Full & Default Power

Band 7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.83	22.97	22.85	24	0
20	QPSK	1	49	22.73	22.95	22.73		
20	QPSK	1	99	22.72	22.89	22.81		
20	QPSK	50	0	21.80	21.91	21.81	23	1
20	QPSK	50	24	21.75	21.90	21.80		
20	QPSK	50	50	21.70	21.82	21.74		
20	QPSK	100	0	21.82	21.88	21.78		
20	16QAM	1	0	21.58	21.71	21.62	23	1
20	16QAM	1	49	21.59	21.70	21.58		
20	16QAM	1	99	21.56	21.66	21.59		
20	16QAM	50	0	20.40	20.49	20.40	22	2
20	16QAM	50	24	20.42	20.57	20.43		
20	16QAM	50	50	20.40	20.55	20.40		
20	16QAM	100	0	20.59	20.77	20.57		
20	64QAM	1	0	20.44	20.55	20.45	22	2
20	64QAM	1	49	20.46	20.52	20.42		
20	64QAM	1	99	20.46	20.46	20.44		
20	64QAM	50	0	19.25	19.43	19.36	21	3
20	64QAM	50	24	19.28	19.47	19.30		
20	64QAM	50	50	19.33	19.41	19.28		
20	64QAM	100	0	19.45	19.68	19.46		
20	256QAM	1	0	17.15	17.42	17.24	19	5
20	256QAM	1	49	17.18	17.42	17.25		
20	256QAM	1	99	17.18	17.36	17.16		
20	256QAM	50	0	17.34	17.58	17.44	19	5
20	256QAM	50	24	17.14	17.39	17.35		
20	256QAM	50	50	17.21	17.45	17.20		
20	256QAM	100	0	17.19	17.34	17.16		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.67	22.82	22.72	24	0
15	QPSK	1	37	22.58	22.74	22.61		
15	QPSK	1	74	22.48	22.70	22.58		
15	QPSK	36	0	21.65	21.71	21.59	23	1
15	QPSK	36	20	21.51	21.67	21.59		
15	QPSK	36	39	21.50	21.60	21.62		
15	QPSK	75	0	21.65	21.64	21.56		
15	16QAM	1	0	21.34	21.46	21.38	23	1
15	16QAM	1	37	21.42	21.58	21.40		
15	16QAM	1	74	21.42	21.52	21.37		
15	16QAM	36	0	20.25	20.34	20.20	22	2
15	16QAM	36	20	20.21	20.32	20.29		
15	16QAM	36	39	20.38	20.42	20.33		
15	16QAM	75	0	20.61	20.75	20.53		
15	64QAM	1	0	20.49	20.48	20.39	22	2
15	64QAM	1	37	20.43	20.50	20.45		
15	64QAM	1	74	20.49	20.38	20.49		
15	64QAM	36	0	19.23	19.45	19.36	21	3
15	64QAM	36	20	19.31	19.50	19.25		
15	64QAM	36	39	19.31	19.34	19.27		
15	64QAM	75	0	19.45	19.70	19.39		
15	256QAM	1	0	17.14	17.47	17.17	19	5
15	256QAM	1	37	17.13	17.46	17.25		
15	256QAM	1	74	17.15	17.37	17.08		
15	256QAM	36	0	17.32	17.60	17.38	19	5
15	256QAM	36	20	17.13	17.36	17.28		
15	256QAM	36	39	17.17	17.40	17.23		
15	256QAM	75	0	17.11	17.32	17.10		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.58	22.86	22.74	24	0
10	QPSK	1	25	22.55	22.70	22.52		
10	QPSK	1	49	22.56	22.77	22.56		
10	QPSK	25	0	21.62	21.74	21.66	23	1
10	QPSK	25	12	21.50	21.67	21.62		
10	QPSK	25	25	21.56	21.61	21.57		
10	QPSK	50	0	21.69	21.65	21.60		
10	16QAM	1	0	21.47	21.51	21.38	23	1
10	16QAM	1	25	21.44	21.50	21.36		
10	16QAM	1	49	21.44	21.44	21.36		
10	16QAM	25	0	20.15	20.30	20.20	22	2
10	16QAM	25	12	20.22	20.45	20.27		
10	16QAM	25	25	20.41	20.34	20.32		
10	16QAM	50	0	20.55	20.71	20.59		
10	64QAM	1	0	20.39	20.48	20.36	22	2
10	64QAM	1	25	20.42	20.57	20.44		
10	64QAM	1	49	20.42	20.43	20.46		
10	64QAM	25	0	19.28	19.48	19.28	21	3
10	64QAM	25	12	19.23	19.50	19.34		
10	64QAM	25	25	19.36	19.34	19.20		
10	64QAM	50	0	19.44	19.67	19.37		
10	256QAM	1	0	17.13	17.36	17.21	19	5
10	256QAM	1	25	17.09	17.46	17.28		
10	256QAM	1	49	17.11	17.41	17.21		
10	256QAM	25	0	17.30	17.62	17.38	19	5
10	256QAM	25	12	17.17	17.40	17.30		
10	256QAM	25	25	17.24	17.46	17.22		
10	256QAM	50	0	17.13	17.36	17.09		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.61	22.82	22.62	24	0
5	QPSK	1	12	22.50	22.76	22.60		
5	QPSK	1	24	22.56	22.67	22.70		
5	QPSK	12	0	21.59	21.79	21.68	23	1
5	QPSK	12	7	21.59	21.73	21.57		
5	QPSK	12	13	21.54	21.63	21.61		
5	QPSK	25	0	21.61	21.65	21.56		
5	16QAM	1	0	21.46	21.60	21.45	23	1
5	16QAM	1	12	21.48	21.46	21.35		
5	16QAM	1	24	21.36	21.48	21.35		
5	16QAM	12	0	20.27	20.29	20.29	22	2
5	16QAM	12	7	20.27	20.45	20.22		
5	16QAM	12	13	20.36	20.35	20.38		
5	16QAM	25	0	20.61	20.74	20.57		
5	64QAM	1	0	20.37	20.53	20.38	22	2
5	64QAM	1	12	20.47	20.49	20.43		
5	64QAM	1	24	20.38	20.41	20.35		
5	64QAM	12	0	19.19	19.35	19.31	21	3
5	64QAM	12	7	19.27	19.39	19.25		
5	64QAM	12	13	19.31	19.43	19.22		
5	64QAM	25	0	19.50	19.67	19.38		
5	256QAM	1	0	17.18	17.40	17.19	19	5
5	256QAM	1	12	17.15	17.36	17.28		
5	256QAM	1	24	17.19	17.41	17.09		
5	256QAM	12	0	17.38	17.62	17.48	19	5
5	256QAM	12	7	17.18	17.41	17.36		
5	256QAM	12	13	17.20	17.45	17.17		
5	256QAM	25	0	17.10	17.26	17.20		

Band 38_Ant 1(ENDC)

BW [MHz]	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	22.52	22.59	22.45	24	0
20	QPSK	1	49	22.37	22.43	22.42		
20	QPSK	1	99	22.46	22.46	22.38		
20	QPSK	50	0	21.27	21.34	21.19	23	1
20	QPSK	50	24	21.15	21.25	21.17		
20	QPSK	50	50	21.20	21.26	21.16		
20	QPSK	100	0	21.75	21.76	21.70		
20	16QAM	1	0	21.70	21.69	21.65	23	1
20	16QAM	1	49	21.62	21.71	21.65		
20	16QAM	1	99	21.51	21.60	21.55		
20	16QAM	50	0	20.06	20.16	20.16	22	2
20	16QAM	50	24	20.15	20.25	20.23		
20	16QAM	50	50	20.22	20.27	20.20		
20	16QAM	100	0	20.06	20.13	20.11		
20	64QAM	1	0	20.31	20.27	20.24	22	2
20	64QAM	1	49	20.35	20.37	20.37		
20	64QAM	1	99	20.28	20.35	20.35		
20	64QAM	50	0	19.12	19.21	19.11	21	3
20	64QAM	50	24	19.19	19.28	19.27		
20	64QAM	50	50	19.21	19.28	19.22		
20	64QAM	100	0	19.12	19.21	19.13		
20	256QAM	1	0	17.30	17.35	17.28	19	5
20	256QAM	1	49	17.38	17.38	17.38		
20	256QAM	1	99	17.34	17.41	17.41		
20	256QAM	50	0	17.15	17.23	17.21	19	5
20	256QAM	50	24	17.08	17.16	17.07		
20	256QAM	50	50	17.22	17.22	17.20		
20	256QAM	100	0	17.02	17.11	17.08		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.57	22.49	22.36	24	0
15	QPSK	1	37	22.32	22.35	22.46		
15	QPSK	1	74	22.40	22.48	22.37		
15	QPSK	36	0	21.31	21.33	21.11	23	1
15	QPSK	36	20	21.12	21.17	21.09		
15	QPSK	36	39	21.19	21.08	21.14		
15	QPSK	75	0	21.68	21.78	21.68		
15	16QAM	1	0	21.64	21.62	21.70	23	1
15	16QAM	1	37	21.53	21.64	21.67		
15	16QAM	1	74	21.50	21.58	21.57		
15	16QAM	36	0	20.10	20.17	20.15	22	2
15	16QAM	36	20	20.07	20.18	20.19		
15	16QAM	36	39	20.22	20.29	20.20		
15	16QAM	75	0	20.07	20.10	20.15		
15	64QAM	1	0	20.35	20.24	20.16	22	2
15	64QAM	1	37	20.40	20.30	20.28		
15	64QAM	1	74	20.33	20.32	20.39		
15	64QAM	36	0	19.04	19.15	19.04	21	3
15	64QAM	36	20	19.20	19.22	19.30		
15	64QAM	36	39	19.11	19.26	19.12		
15	64QAM	75	0	19.02	19.16	19.08		
15	256QAM	1	0	17.34	17.27	17.16	19	5
15	256QAM	1	37	17.32	17.41	17.31		
15	256QAM	1	74	17.27	17.31	17.31		
15	256QAM	36	0	17.05	17.19	17.25	19	5
15	256QAM	36	20	17.11	17.10	17.08		
15	256QAM	36	39	17.15	17.26	17.20		
15	256QAM	75	0	17.09	17.02	17.08		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.56	22.54	22.44	24	0
10	QPSK	1	25	22.36	22.45	22.40		
10	QPSK	1	49	22.46	22.39	22.42		
10	QPSK	25	0	21.22	21.32	21.17	23	1
10	QPSK	25	12	21.14	21.22	21.20		
10	QPSK	25	25	21.18	21.20	21.17		
10	QPSK	50	0	21.66	21.77	21.61		
10	16QAM	1	0	21.75	21.68	21.68	23	1
10	16QAM	1	25	21.66	21.63	21.56		
10	16QAM	1	49	21.43	21.54	21.54		
10	16QAM	25	0	20.01	20.11	20.07	22	2
10	16QAM	25	12	20.10	20.20	20.18		
10	16QAM	25	25	20.12	20.27	20.24		
10	16QAM	50	0	20.02	20.16	20.15		
10	64QAM	1	0	20.34	20.26	20.14	22	2
10	64QAM	1	25	20.38	20.27	20.27		
10	64QAM	1	49	20.33	20.31	20.28		
10	64QAM	25	0	19.16	19.25	19.11	21	3
10	64QAM	25	12	19.11	19.29	19.17		
10	64QAM	25	25	19.17	19.25	19.17		
10	64QAM	50	0	19.10	19.22	19.12		
10	256QAM	1	0	17.24	17.34	17.26	19	5
10	256QAM	1	25	17.30	17.29	17.30		
10	256QAM	1	49	17.24	17.39	17.41		
10	256QAM	25	0	17.08	17.13	17.12	19	5
10	256QAM	25	12	17.08	17.19	17.06		
10	256QAM	25	25	17.13	17.22	17.18		
10	256QAM	50	0	17.04	17.06	17.11		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.47	22.49	22.45	24	0
5	QPSK	1	12	22.37	22.36	22.38		
5	QPSK	1	24	22.45	22.43	22.32		
5	QPSK	12	0	21.20	21.34	21.19	23	1
5	QPSK	12	7	21.19	21.26	21.08		
5	QPSK	12	13	21.19	21.24	21.20		
5	QPSK	25	0	21.76	21.81	21.68		
5	16QAM	1	0	21.75	21.64	21.62	23	1
5	16QAM	1	12	21.42	21.71	21.59		
5	16QAM	1	24	21.42	21.58	21.45		
5	16QAM	12	0	20.07	20.18	20.07	22	2
5	16QAM	12	7	20.12	20.24	20.22		
5	16QAM	12	13	20.22	20.27	20.25		
5	16QAM	25	0	20.04	20.10	20.06		
5	64QAM	1	0	20.28	20.24	20.16	22	2
5	64QAM	1	12	20.29	20.34	20.35		
5	64QAM	1	24	20.25	20.35	20.29		
5	64QAM	12	0	19.07	19.18	19.13	21	3
5	64QAM	12	7	19.13	19.22	19.32		
5	64QAM	12	13	19.23	19.26	19.18		
5	64QAM	25	0	19.16	19.12	19.12		
5	256QAM	1	0	17.23	17.34	17.18	19	5
5	256QAM	1	12	17.29	17.40	17.39		
5	256QAM	1	24	17.30	17.43	17.42		
5	256QAM	12	0	17.07	17.25	17.24	19	5
5	256QAM	12	7	17.08	17.12	17.05		
5	256QAM	12	13	17.23	17.23	17.15		
5	256QAM	25	0	17.00	17.07	17.00		

Band 38_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.68	22.79	22.55	24	0
20	QPSK	1	49	22.65	22.67	22.58		
20	QPSK	1	99	22.63	22.66	22.63		
20	QPSK	50	0	21.87	21.98	21.84	23	1
20	QPSK	50	24	21.81	21.81	21.79		
20	QPSK	50	50	21.82	21.84	21.75		
20	QPSK	100	0	22.05	22.07	22.02		
20	16QAM	1	0	21.94	21.85	21.97	23	1
20	16QAM	1	49	22.02	22.00	21.97		
20	16QAM	1	99	22.04	22.24	21.95		
20	16QAM	50	0	20.87	20.74	20.75	22	2
20	16QAM	50	24	20.92	20.75	20.93		
20	16QAM	50	50	20.91	20.85	20.79		
20	16QAM	100	0	20.87	20.80	20.91		
20	64QAM	1	0	20.72	20.84	20.70	22	2
20	64QAM	1	49	20.80	20.90	20.74		
20	64QAM	1	99	20.77	20.66	20.74		
20	64QAM	50	0	19.91	19.76	19.70	21	3
20	64QAM	50	24	19.95	19.91	19.86		
20	64QAM	50	50	19.89	19.83	19.79		
20	64QAM	100	0	19.93	19.79	19.89		
20	256QAM	1	0	17.58	17.86	17.81	19	5
20	256QAM	1	49	17.79	17.89	17.82		
20	256QAM	1	99	17.54	17.63	17.60		
20	256QAM	50	0	17.73	17.70	17.68	19	5
20	256QAM	50	24	17.74	17.69	17.67		
20	256QAM	50	50	17.61	17.67	17.69		
20	256QAM	100	0	17.61	17.65	17.66		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.66	22.72	22.70	24	0
15	QPSK	1	37	22.63	22.60	22.60		
15	QPSK	1	74	22.59	22.63	22.59		
15	QPSK	36	0	21.85	21.88	21.86	23	1
15	QPSK	36	20	21.72	21.73	21.71		
15	QPSK	36	39	21.79	21.80	21.80		
15	QPSK	75	0	21.95	22.03	21.92		
15	16QAM	1	0	21.88	21.85	21.87	23	1
15	16QAM	1	37	22.05	21.98	21.95		
15	16QAM	1	74	22.02	22.26	21.91		
15	16QAM	36	0	20.79	20.70	20.71	22	2
15	16QAM	36	20	20.90	20.73	20.85		
15	16QAM	36	39	20.94	20.84	20.94		
15	16QAM	75	0	20.88	20.72	20.89		
15	64QAM	1	0	20.67	20.58	20.69	22	2
15	64QAM	1	37	20.82	20.85	20.79		
15	64QAM	1	74	20.79	20.66	20.65		
15	64QAM	36	0	19.90	19.75	19.69	21	3
15	64QAM	36	20	19.85	19.82	19.88		
15	64QAM	36	39	19.85	19.84	19.70		
15	64QAM	75	0	19.95	19.75	19.81		
15	256QAM	1	0	17.56	17.61	17.80	19	5
15	256QAM	1	37	17.74	17.59	17.72		
15	256QAM	1	74	17.45	17.64	17.59		
15	256QAM	36	0	17.70	17.60	17.64	19	5
15	256QAM	36	20	17.65	17.74	17.58		
15	256QAM	36	39	17.54	17.70	17.72		
15	256QAM	75	0	17.55	17.64	17.69		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.65	22.69	22.62	24	0
10	QPSK	1	25	22.66	22.68	22.63		
10	QPSK	1	49	22.60	22.56	22.68		
10	QPSK	25	0	21.92	21.86	21.77	23	1
10	QPSK	25	12	21.72	21.78	21.75		
10	QPSK	25	25	21.80	21.85	21.71		
10	QPSK	50	0	22.02	21.98	21.93		
10	16QAM	1	0	21.99	21.79	21.99	23	1
10	16QAM	1	25	21.97	22.03	21.93		
10	16QAM	1	49	22.06	22.28	21.95		
10	16QAM	25	0	20.84	20.75	20.70	22	2
10	16QAM	25	12	20.96	20.72	20.88		
10	16QAM	25	25	20.85	20.76	20.73		
10	16QAM	50	0	20.85	20.81	20.83		
10	64QAM	1	0	20.64	20.69	20.69	22	2
10	64QAM	1	25	20.80	20.83	20.79		
10	64QAM	1	49	20.78	20.58	20.69		
10	64QAM	25	0	19.92	19.81	19.82	21	3
10	64QAM	25	12	19.92	19.84	19.86		
10	64QAM	25	25	19.83	19.82	19.70		
10	64QAM	50	0	19.83	19.70	19.82		
10	256QAM	1	0	17.56	17.71	17.73	19	5
10	256QAM	1	25	17.78	17.66	17.72		
10	256QAM	1	49	17.47	17.57	17.57		
10	256QAM	25	0	17.78	17.75	17.65	19	5
10	256QAM	25	12	17.70	17.61	17.61		
10	256QAM	25	25	17.59	17.66	17.59		
10	256QAM	50	0	17.61	17.60	17.62		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.60	22.72	22.61	24	0
5	QPSK	1	12	22.61	22.58	22.57		
5	QPSK	1	24	22.64	22.68	22.64		
5	QPSK	12	0	21.80	21.90	21.78	23	1
5	QPSK	12	7	21.76	21.85	21.71		
5	QPSK	12	13	21.76	21.89	21.71		
5	QPSK	25	0	22.03	22.09	21.99		
5	16QAM	1	0	21.99	21.87	22.00	23	1
5	16QAM	1	12	21.96	22.05	21.99		
5	16QAM	1	24	22.02	22.17	21.94		
5	16QAM	12	0	20.90	20.68	20.70	22	2
5	16QAM	12	7	20.94	20.74	20.89		
5	16QAM	12	13	20.82	20.84	20.89		
5	16QAM	25	0	20.88	20.74	20.82		
5	64QAM	1	0	20.64	20.60	20.66	22	2
5	64QAM	1	12	20.77	20.83	20.75		
5	64QAM	1	24	20.71	20.70	20.71		
5	64QAM	12	0	19.94	19.80	19.84	21	3
5	64QAM	12	7	19.99	19.88	19.90		
5	64QAM	12	13	19.89	19.74	19.82		
5	64QAM	25	0	19.96	19.83	19.81		
5	256QAM	1	0	17.63	17.70	17.72	19	5
5	256QAM	1	12	17.82	17.61	17.76		
5	256QAM	1	24	17.54	17.68	17.63		
5	256QAM	12	0	17.76	17.67	17.67	19	5
5	256QAM	12	7	17.77	17.66	17.60		
5	256QAM	12	13	17.59	17.62	17.59		
5	256QAM	25	0	17.54	17.58	17.62		

Band 41_Ant 1(ENDC)

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	22.93	22.92	22.95	22.75	22.46	24	0
20	QPSK	1	49	22.76	22.82	22.86	22.46	22.30		
20	QPSK	1	99	22.71	22.72	22.78	22.52	22.37		
20	QPSK	50	0	21.86	21.84	21.89	21.73	21.63	23	1
20	QPSK	50	24	21.83	21.84	21.84	21.72	21.58		
20	QPSK	50	50	21.84	21.78	21.85	21.71	21.60		
20	QPSK	100	0	21.77	21.77	21.82	21.44	21.40		
20	16QAM	1	0	21.82	21.92	21.75	21.49	21.25	23	1
20	16QAM	1	49	21.64	21.56	21.64	21.35	21.42		
20	16QAM	1	99	21.53	21.59	21.62	21.31	21.38		
20	16QAM	50	0	20.89	20.88	20.91	20.76	20.59	22	2
20	16QAM	50	24	20.84	20.82	20.89	20.69	20.50		
20	16QAM	50	50	20.85	20.89	20.90	20.65	20.55		
20	16QAM	100	0	20.78	20.80	20.83	20.69	20.52		
20	64QAM	1	0	21.01	21.10	21.08	20.62	20.58	22	2
20	64QAM	1	49	20.99	20.95	21.02	20.61	20.44		
20	64QAM	1	99	20.97	21.01	21.04	20.59	20.53		
20	64QAM	50	0	19.88	19.85	19.91	19.72	19.60	21	3
20	64QAM	50	24	19.78	19.85	19.88	19.70	19.59		
20	64QAM	50	50	19.86	19.88	19.90	19.71	19.56		
20	64QAM	100	0	19.76	19.76	19.84	19.70	19.55		
20	256QAM	1	0	17.89	17.86	17.85	17.99	17.84	19	5
20	256QAM	1	49	17.80	17.80	17.81	17.90	17.74		
20	256QAM	1	99	17.74	17.71	17.79	17.98	17.83		
20	256QAM	50	0	17.93	17.89	17.95	17.74	17.55	19	5
20	256QAM	50	24	17.81	17.74	17.83	17.71	17.52		
20	256QAM	50	50	17.80	17.84	17.90	17.71	17.53		
20	256QAM	100	0	17.75	17.80	17.83	17.63	17.54		
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	22.92	22.87	22.93	22.72	22.43	24	0
15	QPSK	1	37	22.67	22.84	22.78	22.47	22.30		
15	QPSK	1	74	22.69	22.74	22.82	22.56	22.40		
15	QPSK	36	0	21.81	21.77	21.82	21.77	21.55	23	1
15	QPSK	36	20	21.85	21.75	21.88	21.72	21.55		
15	QPSK	36	39	21.87	21.77	21.87	21.75	21.53		
15	QPSK	75	0	21.64	21.60	21.70	21.31	21.34		
15	16QAM	1	0	21.66	21.73	21.59	21.48	21.11	23	1
15	16QAM	1	37	21.51	21.34	21.46	21.22	21.34		
15	16QAM	1	74	21.32	21.36	21.39	21.15	21.23		
15	16QAM	36	0	20.66	20.73	20.71	20.64	20.58	22	2
15	16QAM	36	20	20.59	20.58	20.74	20.68	20.50		
15	16QAM	36	39	20.72	20.73	20.71	20.64	20.35		
15	16QAM	75	0	20.64	20.59	20.72	20.58	20.40		
15	64QAM	1	0	20.83	20.97	20.97	20.54	20.40	22	2
15	64QAM	1	37	20.75	20.81	20.79	20.44	20.34		
15	64QAM	1	74	20.75	20.83	20.81	20.45	20.33		
15	64QAM	36	0	19.68	19.68	19.79	19.53	19.46	21	3
15	64QAM	36	20	19.78	19.68	19.91	19.67	19.55		
15	64QAM	36	39	19.79	19.81	19.91	19.65	19.55		
15	64QAM	75	0	19.77	19.71	19.78	19.52	19.36		
15	256QAM	1	0	17.86	17.85	17.80	17.90	17.75	19	5
15	256QAM	1	37	17.74	17.84	17.84	17.87	17.73		
15	256QAM	1	74	17.78	17.76	17.83	17.94	17.71		
15	256QAM	36	0	17.98	17.86	17.99	17.61	17.39	19	5
15	256QAM	36	20	17.84	17.67	17.87	17.59	17.52		
15	256QAM	36	39	17.84	17.79	17.84	17.65	17.39		
15	256QAM	75	0	17.69	17.73	17.79	17.57	17.47		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	22.88	22.93	22.89	22.68	22.36	24.00	0
10	QPSK	1	25	22.75	22.86	22.80	22.43	22.20		
10	QPSK	1	49	22.65	22.69	22.77	22.42	22.30		
10	QPSK	25	0	21.87	21.87	21.80	21.69	21.55	23	1
10	QPSK	25	12	21.87	21.85	21.75	21.67	21.49		
10	QPSK	25	25	21.79	21.82	21.75	21.74	21.53		
10	QPSK	50	0	21.63	21.66	21.69	21.28	21.34		
10	16QAM	1	0	21.69	21.81	21.60	21.29	21.09	23	1
10	16QAM	1	25	21.43	21.35	21.53	21.20	21.29		
10	16QAM	1	49	21.42	21.34	21.42	21.21	21.18		
10	16QAM	25	0	20.69	20.74	20.80	20.57	20.53	22	2
10	16QAM	25	12	20.66	20.68	20.74	20.65	20.31		
10	16QAM	25	25	20.67	20.77	20.70	20.49	20.43		
10	16QAM	50	0	20.67	20.65	20.72	20.62	20.47		
10	64QAM	1	0	20.76	20.85	20.86	20.51	20.49	22	2
10	64QAM	1	25	20.81	20.81	20.84	20.53	20.29		
10	64QAM	1	49	20.86	20.85	20.80	20.41	20.42		
10	64QAM	25	0	19.66	19.65	19.76	19.62	19.53	21	3
10	64QAM	25	12	19.72	19.69	19.79	19.70	19.40		
10	64QAM	25	25	19.88	19.86	19.84	19.54	19.44		
10	64QAM	50	0	19.68	19.80	19.82	19.58	19.35		
10	256QAM	1	0	17.80	17.82	17.78	17.85	17.73	19	5
10	256QAM	1	25	17.76	17.73	17.79	17.72	17.72		
10	256QAM	1	49	17.71	17.66	17.72	17.86	17.73		
10	256QAM	25	0	17.93	17.86	17.89	17.72	17.48	19	5
10	256QAM	25	12	17.82	17.72	17.78	17.71	17.32		
10	256QAM	25	25	17.77	17.75	17.94	17.60	17.35		
10	256QAM	50	0	17.74	17.75	17.81	17.55	17.45		
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	22.83	22.89	22.94	22.74	22.48	24.00	0
5	QPSK	1	12	22.68	22.72	22.77	22.36	22.28		
5	QPSK	1	24	22.76	22.67	22.69	22.50	22.36		
5	QPSK	12	0	21.83	21.84	21.92	21.71	21.64	23	1
5	QPSK	12	7	21.80	21.80	21.86	21.71	21.59		
5	QPSK	12	13	21.86	21.78	21.78	21.76	21.61		
5	QPSK	25	0	21.61	21.56	21.61	21.31	21.31		
5	16QAM	1	0	21.70	21.72	21.63	21.38	21.07	23	1
5	16QAM	1	12	21.43	21.40	21.47	21.33	21.23		
5	16QAM	1	24	21.39	21.40	21.41	21.26	21.32		
5	16QAM	12	0	20.64	20.72	20.71	20.68	20.59	22	2
5	16QAM	12	7	20.61	20.58	20.73	20.49	20.33		
5	16QAM	12	13	20.70	20.75	20.70	20.51	20.46		
5	16QAM	25	0	20.58	20.63	20.71	20.66	20.38		
5	64QAM	1	0	20.82	20.94	20.87	20.45	20.50	22	2
5	64QAM	1	12	20.74	20.71	20.80	20.46	20.31		
5	64QAM	1	24	20.80	20.85	20.83	20.41	20.38		
5	64QAM	12	0	19.77	19.62	19.71	19.64	19.40	21	3
5	64QAM	12	7	19.79	19.72	19.80	19.52	19.55		
5	64QAM	12	13	19.78	19.85	19.92	19.63	19.47		
5	64QAM	25	0	19.72	19.69	19.88	19.70	19.43		
5	256QAM	1	0	17.88	17.88	17.87	17.80	17.84	19	5
5	256QAM	1	12	17.73	17.77	17.83	17.83	17.63		
5	256QAM	1	24	17.71	17.76	17.83	17.98	17.67		
5	256QAM	12	0	17.93	17.90	17.95	17.57	17.55	19	5
5	256QAM	12	7	17.73	17.79	17.80	17.62	17.40		
5	256QAM	12	13	17.81	17.80	17.88	17.71	17.49		
5	256QAM	25	0	17.71	17.71	17.76	17.43	17.34		

Band 41_Ant 4

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	22.73	22.76	22.79	22.73	22.75	24	0
20	QPSK	1	49	22.49	22.64	22.75	22.61	22.56		
20	QPSK	1	99	22.72	22.75	22.76	22.75	22.61		
20	QPSK	50	0	22.29	22.54	22.58	22.41	22.44	23	1
20	QPSK	50	24	22.19	22.44	22.33	22.32	22.36		
20	QPSK	50	50	22.22	22.32	22.35	22.40	22.23		
20	QPSK	100	0	22.30	22.53	22.57	22.53	22.56		
20	16QAM	1	0	22.30	22.40	22.52	22.50	22.53	23	1
20	16QAM	1	49	22.42	22.50	22.59	22.56	22.40		
20	16QAM	1	99	22.38	22.74	22.64	22.53	22.48		
20	16QAM	50	0	21.22	21.46	21.50	21.43	21.40	22	2
20	16QAM	50	24	21.30	21.42	21.53	21.38	21.35		
20	16QAM	50	50	21.15	21.44	21.37	21.45	21.39		
20	16QAM	100	0	21.03	21.52	21.44	21.35	21.40		
20	64QAM	1	0	21.02	21.20	21.46	21.33	21.44	22	2
20	64QAM	1	49	21.12	21.13	21.32	21.38	21.23		
20	64QAM	1	99	21.17	21.35	21.35	21.37	21.38		
20	64QAM	50	0	20.28	20.43	20.48	20.42	20.37	21	3
20	64QAM	50	24	20.12	20.41	20.46	20.40	20.43		
20	64QAM	50	50	20.18	20.42	20.39	20.47	20.30		
20	64QAM	100	0	20.21	20.56	20.45	20.44	20.43		
20	256QAM	1	0	17.94	17.81	18.11	17.89	18.11	19	5
20	256QAM	1	49	17.84	17.91	18.10	17.81	18.09		
20	256QAM	1	99	17.84	17.94	18.28	17.95	17.94		
20	256QAM	50	0	17.83	17.89	18.07	17.97	18.22	19	5
20	256QAM	50	24	18.00	17.99	18.11	17.90	18.09		
20	256QAM	50	50	17.90	17.92	18.20	17.95	18.12		
20	256QAM	100	0	17.87	17.91	18.36	18.03	18.07		
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	22.68	22.64	22.77	22.62	22.69	24.00	0
15	QPSK	1	37	22.46	22.58	22.69	22.49	22.52		
15	QPSK	1	74	22.70	22.67	22.70	22.67	22.56		
15	QPSK	36	0	22.18	22.48	22.50	22.32	22.33	23	1
15	QPSK	36	20	22.08	22.37	22.26	22.26	22.33		
15	QPSK	36	39	22.16	22.27	22.33	22.31	22.17		
15	QPSK	75	0	22.23	22.44	22.48	22.43	22.50		
15	16QAM	1	0	22.27	22.34	22.45	22.38	22.50	23	1
15	16QAM	1	37	22.38	22.39	22.49	22.44	22.36		
15	16QAM	1	74	22.26	22.64	22.61	22.49	22.39		
15	16QAM	36	0	21.18	21.39	21.45	21.32	21.35	22	2
15	16QAM	36	20	21.28	21.37	21.42	21.29	21.30		
15	16QAM	36	39	21.12	21.37	21.34	21.38	21.29		
15	16QAM	75	0	21.01	21.46	21.33	21.27	21.30		
15	64QAM	1	0	20.90	21.14	21.38	21.23	21.42	22	2
15	64QAM	1	37	21.01	21.11	21.20	21.31	21.20		
15	64QAM	1	74	21.06	21.28	21.33	21.32	21.26		
15	64QAM	36	0	20.22	20.34	20.38	20.32	20.32	21	3
15	64QAM	36	20	20.06	20.37	20.44	20.33	20.39		
15	64QAM	36	39	20.07	20.35	20.35	20.45	20.21		
15	64QAM	75	0	20.17	20.46	20.37	20.34	20.32		
15	256QAM	1	0	17.88	17.75	18.08	17.79	18.00	19	5
15	256QAM	1	37	17.74	17.79	17.98	17.74	18.00		
15	256QAM	1	74	17.73	17.91	18.22	17.92	17.84		
15	256QAM	36	0	17.77	17.84	18.04	17.85	18.20	19	5
15	256QAM	36	20	17.98	17.87	18.04	17.83	18.00		
15	256QAM	36	39	17.88	17.86	18.08	17.92	18.09		
15	256QAM	75	0	17.79	17.88	18.33	17.97	18.03		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	22.64	22.68	22.72	22.64	22.64	24.00	0
10	QPSK	1	25	22.42	22.55	22.66	22.51	22.44		
10	QPSK	1	49	22.63	22.67	22.71	22.65	22.49		
10	QPSK	25	0	22.19	22.50	22.50	22.32	22.32	23	1
10	QPSK	25	12	22.09	22.40	22.30	22.28	22.31		
10	QPSK	25	25	22.19	22.24	22.32	22.37	22.13		
10	QPSK	50	0	22.22	22.47	22.55	22.47	22.51		
10	16QAM	1	0	22.27	22.31	22.46	22.42	22.43	23	1
10	16QAM	1	25	22.32	22.39	22.52	22.44	22.34		
10	16QAM	1	49	22.32	22.64	22.53	22.41	22.45		
10	16QAM	25	0	21.18	21.36	21.46	21.37	21.29	22	2
10	16QAM	25	12	21.20	21.35	21.46	21.29	21.27		
10	16QAM	25	25	21.05	21.36	21.25	21.39	21.33		
10	16QAM	50	0	21.01	21.40	21.39	21.23	21.38		
10	64QAM	1	0	21.00	21.17	21.35	21.23	21.37	22	2
10	64QAM	1	25	21.03	21.02	21.23	21.34	21.14		
10	64QAM	1	49	21.09	21.27	21.26	21.31	21.28		
10	64QAM	25	0	20.17	20.41	20.45	20.34	20.32	21	3
10	64QAM	25	12	20.04	20.29	20.35	20.38	20.41		
10	64QAM	25	25	20.09	20.38	20.27	20.41	20.25		
10	64QAM	50	0	20.12	20.51	20.38	20.39	20.31		
10	256QAM	1	0	17.89	17.70	17.99	17.83	18.04	19	5
10	256QAM	1	25	17.79	17.80	18.08	17.74	18.07		
10	256QAM	1	49	17.79	17.91	18.18	17.83	17.87		
10	256QAM	25	0	17.71	17.86	18.04	17.92	18.19	19	5
10	256QAM	25	12	17.89	17.90	18.09	17.85	18.02		
10	256QAM	25	25	17.83	17.90	18.13	17.91	18.08		
10	256QAM	50	0	17.82	17.84	18.24	17.97	17.97		
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	22.65	22.72	22.71	22.61	22.65	24.00	0
5	QPSK	1	12	22.45	22.60	22.64	22.50	22.52		
5	QPSK	1	24	22.69	22.67	22.73	22.64	22.50		
5	QPSK	12	0	22.26	22.45	22.50	22.33	22.39	23	1
5	QPSK	12	7	22.08	22.40	22.30	22.30	22.29		
5	QPSK	12	13	22.18	22.21	22.28	22.29	22.16		
5	QPSK	25	0	22.28	22.51	22.47	22.45	22.54		
5	16QAM	1	0	22.19	22.37	22.41	22.44	22.49	23	1
5	16QAM	1	12	22.38	22.47	22.49	22.53	22.30		
5	16QAM	1	24	22.32	22.65	22.61	22.51	22.45		
5	16QAM	12	0	21.20	21.44	21.47	21.35	21.38	22	2
5	16QAM	12	7	21.24	21.34	21.43	21.33	21.27		
5	16QAM	12	13	21.10	21.32	21.34	21.42	21.33		
5	16QAM	25	0	20.97	21.44	21.38	21.28	21.38		
5	64QAM	1	0	20.97	21.09	21.43	21.23	21.39	22	2
5	64QAM	1	12	21.08	21.06	21.26	21.36	21.18		
5	64QAM	1	24	21.08	21.31	21.33	21.26	21.33		
5	64QAM	12	0	20.25	20.40	20.42	20.30	20.34	21	3
5	64QAM	12	7	20.00	20.32	20.38	20.38	20.35		
5	64QAM	12	13	20.16	20.30	20.28	20.41	20.22		
5	64QAM	25	0	20.09	20.54	20.36	20.40	20.35		
5	256QAM	1	0	17.89	17.71	18.00	17.77	18.02	19	5
5	256QAM	1	12	17.80	17.82	17.99	17.74	18.04		
5	256QAM	1	24	17.80	17.85	18.20	17.87	17.90		
5	256QAM	12	0	17.80	17.78	17.97	17.90	18.20	19	5
5	256QAM	12	7	17.96	17.94	18.08	17.86	18.05		
5	256QAM	12	13	17.82	17.84	18.11	17.91	18.00		
5	256QAM	25	0	17.82	17.82	18.27	17.92	17.97		

Band 41_HPUE_Ant 4

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	25.45	25.61	25.84	25.60	25.68	27	0
20	QPSK	1	49	25.40	25.57	25.60	25.53	25.52		
20	QPSK	1	99	25.35	25.51	25.68	25.78	25.62		
20	QPSK	50	0	25.16	25.36	25.45	25.31	25.33	26	1
20	QPSK	50	24	25.11	25.24	25.34	25.23	25.23		
20	QPSK	50	50	25.11	25.22	25.31	25.23	25.21		
20	QPSK	100	0	25.04	25.10	25.29	25.17	25.19		
20	16QAM	1	0	25.29	25.35	25.31	25.52	25.45	26	1
20	16QAM	1	49	25.16	25.48	25.37	25.48	25.35		
20	16QAM	1	99	25.40	25.47	25.63	25.55	25.51		
20	16QAM	50	0	24.04	24.33	24.01	24.37	24.30	25	2
20	16QAM	50	24	24.11	24.27	24.15	24.39	24.36		
20	16QAM	50	50	24.01	24.39	24.31	24.33	24.26		
20	16QAM	100	0	24.11	24.21	24.40	24.23	24.32		
20	64QAM	1	0	23.82	24.11	24.42	24.11	24.27	25	2
20	64QAM	1	49	24.16	24.34	23.95	24.43	24.25		
20	64QAM	1	99	24.12	24.25	24.17	24.40	24.25		
20	64QAM	50	0	23.19	23.34	23.18	23.27	23.29	24	3
20	64QAM	50	24	23.16	23.38	23.22	23.41	23.35		
20	64QAM	50	50	23.15	23.25	23.17	23.46	23.24		
20	64QAM	100	0	23.17	23.43	23.19	23.39	23.33		
20	256QAM	1	0	21.08	21.07	21.21	21.18	21.14	22	5
20	256QAM	1	49	20.62	20.60	20.75	20.70	20.72		
20	256QAM	1	99	21.08	21.13	21.15	21.15	21.02		
20	256QAM	50	0	21.18	21.23	21.26	21.20	21.14	22	5
20	256QAM	50	24	21.16	21.24	21.26	21.15	21.26		
20	256QAM	50	50	21.06	21.00	21.13	21.13	20.99		
20	256QAM	100	0	21.06	21.16	21.17	21.07	21.07		
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	25.38	25.60	25.42	25.54	25.55	27.00	0
15	QPSK	1	37	25.32	25.59	25.48	25.72	25.49		
15	QPSK	1	74	25.51	25.76	25.79	25.59	25.57		
15	QPSK	36	0	24.98	25.22	25.20	25.28	25.23	26	1
15	QPSK	36	20	24.95	25.25	25.31	25.34	25.16		
15	QPSK	36	39	25.02	25.24	25.27	25.23	25.07		
15	QPSK	75	0	25.02	25.18	25.11	25.25	25.18		
15	16QAM	1	0	25.09	25.43	25.24	25.52	25.36	26	1
15	16QAM	1	37	25.12	25.33	25.20	25.43	25.47		
15	16QAM	1	74	25.34	25.44	25.60	25.42	25.40		
15	16QAM	36	0	23.95	24.35	24.11	24.31	24.22	25	2
15	16QAM	36	20	24.08	24.27	24.27	24.36	24.26		
15	16QAM	36	39	24.03	24.19	24.21	24.34	24.15		
15	16QAM	75	0	24.09	24.28	24.30	24.21	24.32		
15	64QAM	1	0	24.09	24.20	23.92	24.29	24.16	25	2
15	64QAM	1	37	24.02	24.15	23.92	24.10	24.18		
15	64QAM	1	74	24.00	24.18	23.94	24.47	23.95		
15	64QAM	36	0	23.09	23.38	23.31	23.48	23.24	24	3
15	64QAM	36	20	23.08	23.20	23.16	23.21	23.37		
15	64QAM	36	39	23.08	23.27	23.11	23.39	23.27		
15	64QAM	75	0	23.08	23.28	23.39	23.24	23.31		
15	256QAM	1	0	20.96	21.04	21.06	21.08	21.08	22	5
15	256QAM	1	37	20.52	20.55	20.73	20.63	20.73		
15	256QAM	1	74	21.03	21.18	21.09	21.08	20.93		
15	256QAM	36	0	21.23	21.20	21.18	21.21	21.17	22	5
15	256QAM	36	20	21.18	21.15	21.23	21.02	21.16		
15	256QAM	36	39	20.97	20.99	21.18	21.08	20.85		
15	256QAM	75	0	20.92	21.06	21.14	21.07	21.02		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	25.44	25.62	25.43	25.69	25.74	27.00	0
10	QPSK	1	25	25.52	25.68	25.35	25.68	25.56		
10	QPSK	1	49	25.25	25.50	25.41	25.82	25.39		
10	QPSK	25	0	25.10	25.31	25.02	25.40	25.28	26	1
10	QPSK	25	12	25.01	25.47	25.37	25.35	25.31		
10	QPSK	25	25	25.09	25.19	25.25	25.43	25.24		
10	QPSK	50	0	25.08	25.35	25.05	25.45	25.29		
10	16QAM	1	0	25.19	25.40	25.34	25.38	25.49	26	1
10	16QAM	1	25	25.15	25.57	25.23	25.64	25.59		
10	16QAM	1	49	25.37	25.58	25.23	25.58	25.44		
10	16QAM	25	0	24.15	24.28	24.25	24.37	24.30	25	2
10	16QAM	25	12	24.15	24.36	24.46	24.44	24.26		
10	16QAM	25	25	24.14	24.28	24.16	24.41	24.41		
10	16QAM	50	0	24.04	24.43	24.33	24.44	24.35		
10	64QAM	1	0	24.27	24.30	24.21	24.52	24.39	25	2
10	64QAM	1	25	24.12	24.28	24.21	24.28	24.31		
10	64QAM	1	49	24.17	24.25	24.49	24.51	24.35		
10	64QAM	25	0	23.24	23.52	23.25	23.54	23.45	24	3
10	64QAM	25	12	23.18	23.49	23.47	23.60	23.48		
10	64QAM	25	25	23.17	23.43	23.46	23.55	23.51		
10	64QAM	50	0	23.12	23.31	23.41	23.44	23.24		
10	256QAM	1	0	20.93	21.08	21.14	21.21	21.11	22	5
10	256QAM	1	25	20.59	20.56	20.69	20.67	20.65		
10	256QAM	1	49	21.13	21.13	21.18	21.00	20.91		
10	256QAM	25	0	21.04	21.14	21.17	21.12	21.01	22	5
10	256QAM	25	12	21.09	21.27	21.31	21.17	21.19		
10	256QAM	25	25	20.92	20.94	21.14	21.12	20.95		
10	256QAM	50	0	20.92	21.14	21.04	20.93	20.92		
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	25.24	25.63	25.23	25.61	25.64	27.00	0
5	QPSK	1	12	25.28	25.74	25.37	25.53	25.56		
5	QPSK	1	24	25.35	25.39	25.73	25.78	25.61		
5	QPSK	12	0	24.96	25.29	25.06	25.43	25.28	26	1
5	QPSK	12	7	25.11	25.30	25.41	25.33	25.32		
5	QPSK	12	13	25.11	25.26	25.20	25.21	25.32		
5	QPSK	25	0	25.01	25.29	25.02	25.42	25.23		
5	16QAM	1	0	25.16	25.29	25.10	25.33	25.36	26	1
5	16QAM	1	12	25.54	25.53	25.32	25.19	25.21		
5	16QAM	1	24	24.95	25.41	25.07	25.39	25.21		
5	16QAM	12	0	24.17	24.45	23.98	24.37	24.30	25	2
5	16QAM	12	7	24.16	24.38	24.61	24.47	24.27		
5	16QAM	12	13	24.06	24.44	23.99	24.06	24.28		
5	16QAM	25	0	24.09	24.41	24.14	24.44	24.40		
5	64QAM	1	0	24.05	24.41	24.25	24.28	24.28	25	2
5	64QAM	1	12	24.01	24.45	24.28	24.43	24.39		
5	64QAM	1	24	24.15	24.33	24.06	24.45	24.43		
5	64QAM	12	0	23.16	23.37	23.26	23.42	23.32	24	3
5	64QAM	12	7	23.15	23.50	23.37	23.44	23.36		
5	64QAM	12	13	23.17	23.35	23.06	23.41	23.38		
5	64QAM	25	0	23.21	23.54	23.33	23.58	23.42		
5	256QAM	1	0	21.00	20.93	21.06	21.21	21.05	22	5
5	256QAM	1	12	20.65	20.60	20.60	20.71	20.58		
5	256QAM	1	24	20.94	21.03	21.10	21.13	20.93		
5	256QAM	12	0	21.23	21.11	21.30	21.25	21.12	22	5
5	256QAM	12	7	21.14	21.09	21.26	21.04	21.28		
5	256QAM	12	13	20.91	20.93	21.03	21.11	20.89		
5	256QAM	25	0	20.96	21.02	21.13	21.12	20.93		

Reduced Power for DSI 2

Band 7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	14.31	14.46	14.27	15.5	0
20	QPSK	1	49	14.17	14.37	14.14		
20	QPSK	1	99	14.19	14.27	14.24		
20	QPSK	50	0	14.24	14.45	14.25	15.5	0
20	QPSK	50	24	14.12	14.33	14.19		
20	QPSK	50	50	14.20	14.29	14.24		
20	QPSK	100	0	14.21	14.41	14.26		
20	16QAM	1	0	14.11	14.33	14.13	15.5	0
20	16QAM	1	49	14.19	14.38	14.30		
20	16QAM	1	99	14.09	14.35	14.19		
20	16QAM	50	0	14.21	14.34	14.33	15.5	0
20	16QAM	50	24	14.19	14.43	14.22		
20	16QAM	50	50	14.13	14.34	14.29		
20	16QAM	100	0	14.22	14.36	14.21		
20	64QAM	1	0	14.13	14.34	14.21	15.5	0
20	64QAM	1	49	14.08	14.37	14.17		
20	64QAM	1	99	14.19	14.35	14.24		
20	64QAM	50	0	14.20	14.38	14.15	15.5	0
20	64QAM	50	24	14.14	14.38	14.30		
20	64QAM	50	50	14.21	14.34	14.31		
20	64QAM	100	0	14.18	14.44	14.22		
20	256QAM	1	0	14.14	14.32	14.20	15.5	0
20	256QAM	1	49	14.23	14.38	14.32		
20	256QAM	1	99	14.09	14.36	14.11		
20	256QAM	50	0	14.08	14.32	14.30	15.5	0
20	256QAM	50	24	14.21	14.40	14.29		
20	256QAM	50	50	14.17	14.30	14.20		
20	256QAM	100	0	14.17	14.33	14.26		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	14.20	14.35	14.16	15.5	0
15	QPSK	1	37	14.02	14.33	14.02		
15	QPSK	1	74	14.05	14.23	14.20		
15	QPSK	36	0	14.18	14.34	14.10	15.5	0
15	QPSK	36	20	13.97	14.30	14.09		
15	QPSK	36	39	14.11	14.18	14.15		
15	QPSK	75	0	14.17	14.29	14.12		
15	16QAM	1	0	14.08	14.31	13.98	15.5	0
15	16QAM	1	37	14.17	14.31	14.24		
15	16QAM	1	74	14.02	14.23	14.08		
15	16QAM	36	0	14.06	14.32	14.23	15.5	0
15	16QAM	36	20	14.10	14.39	14.17		
15	16QAM	36	39	14.18	14.25	14.44		
15	16QAM	75	0	14.26	14.38	14.23		
15	64QAM	1	0	14.26	14.44	14.33	15.5	0
15	64QAM	1	37	14.15	14.40	14.23		
15	64QAM	1	74	14.22	14.36	14.29		
15	64QAM	36	0	14.31	14.39	14.17	15.5	0
15	64QAM	36	20	14.21	14.44	14.42		
15	64QAM	36	39	14.36	14.43	14.43		
15	64QAM	75	0	14.19	14.31	14.32		
15	256QAM	1	0	14.29	14.37	14.27	15.5	0
15	256QAM	1	37	14.36	14.42	14.36		
15	256QAM	1	74	14.12	14.37	14.13		
15	256QAM	36	0	14.11	14.36	14.37	15.5	0
15	256QAM	36	20	14.32	14.37	14.32		
15	256QAM	36	39	14.20	14.45	14.28		
15	256QAM	75	0	14.18	14.36	14.33		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	14.30	14.42	14.24	15.5	0
10	QPSK	1	25	14.04	14.33	14.04		
10	QPSK	1	49	14.08	14.19	14.11		
10	QPSK	25	0	14.14	14.32	14.17	15.5	0
10	QPSK	25	12	14.08	14.30	14.13		
10	QPSK	25	25	14.17	14.20	14.17		
10	QPSK	50	0	14.17	14.39	14.20		
10	16QAM	1	0	14.10	14.22	14.09	15.5	0
10	16QAM	1	25	14.05	14.36	14.20		
10	16QAM	1	49	14.04	14.31	14.12		
10	16QAM	25	0	14.11	14.23	14.24	15.5	0
10	16QAM	25	12	14.06	14.33	14.09		
10	16QAM	25	25	14.17	14.19	14.38		
10	16QAM	50	0	14.23	14.38	14.30		
10	64QAM	1	0	14.20	14.36	14.32	15.5	0
10	64QAM	1	25	14.12	14.43	14.23		
10	64QAM	1	49	14.21	14.23	14.30		
10	64QAM	25	0	14.29	14.42	14.25	15.5	0
10	64QAM	25	12	14.26	14.29	14.32		
10	64QAM	25	25	14.26	14.37	14.43		
10	64QAM	50	0	14.30	14.37	14.28		
10	256QAM	1	0	14.18	14.39	14.32	15.5	0
10	256QAM	1	25	14.27	14.39	14.33		
10	256QAM	1	49	14.16	14.41	14.13		
10	256QAM	25	0	14.23	14.12	14.35	15.5	0
10	256QAM	25	12	14.24	14.41	14.41		
10	256QAM	25	25	14.22	14.44	14.29		
10	256QAM	50	0	14.25	14.39	14.40		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	14.29	14.36	14.20	15.5	0
5	QPSK	1	12	14.05	14.35	14.00		
5	QPSK	1	24	14.11	14.23	14.12		
5	QPSK	12	0	14.20	14.35	14.18	15.5	0
5	QPSK	12	7	14.11	14.24	14.17		
5	QPSK	12	13	14.17	14.25	14.18		
5	QPSK	25	0	14.20	14.27	14.17		
5	16QAM	1	0	14.00	14.20	14.12	15.5	0
5	16QAM	1	12	14.12	14.27	14.22		
5	16QAM	1	24	14.04	14.29	14.09		
5	16QAM	12	0	14.09	14.21	14.19	15.5	0
5	16QAM	12	7	14.07	14.35	14.18		
5	16QAM	12	13	14.26	14.20	14.41		
5	16QAM	25	0	14.24	14.45	14.26		
5	64QAM	1	0	14.23	14.46	14.26	15.5	0
5	64QAM	1	12	14.11	14.45	14.27		
5	64QAM	1	24	14.23	14.12	14.34		
5	64QAM	12	0	14.27	14.37	14.20	15.5	0
5	64QAM	12	7	14.29	14.00	14.35		
5	64QAM	12	13	14.36	14.36	14.35		
5	64QAM	25	0	14.32	14.41	14.34		
5	256QAM	1	0	14.26	14.41	14.25	15.5	0
5	256QAM	1	12	14.31	14.41	14.40		
5	256QAM	1	24	14.17	14.38	14.13		
5	256QAM	12	0	14.19	14.43	14.32	15.5	0
5	256QAM	12	7	14.23	14.24	14.41		
5	256QAM	12	13	14.20	14.33	14.33		
5	256QAM	25	0	14.22	14.41	14.29		

Band 38_Ant 1(ENDC)

BW [MHz]	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	22.52	22.59	22.45	24	0
20	QPSK	1	49	22.37	22.43	22.42		
20	QPSK	1	99	22.46	22.46	22.38		
20	QPSK	50	0	21.27	21.34	21.19	23	1
20	QPSK	50	24	21.15	21.25	21.17		
20	QPSK	50	50	21.20	21.26	21.16		
20	QPSK	100	0	21.75	21.76	21.70		
20	16QAM	1	0	21.70	21.69	21.65	23	1
20	16QAM	1	49	21.62	21.71	21.65		
20	16QAM	1	99	21.51	21.60	21.55		
20	16QAM	50	0	20.06	20.16	20.16	22	2
20	16QAM	50	24	20.15	20.25	20.23		
20	16QAM	50	50	20.22	20.27	20.20		
20	16QAM	100	0	20.66	20.13	20.11		
20	64QAM	1	0	20.31	20.27	20.24	22	2
20	64QAM	1	49	20.35	20.37	20.37		
20	64QAM	1	99	20.28	20.35	20.35		
20	64QAM	50	0	19.12	19.21	19.11	21	3
20	64QAM	50	24	19.19	19.28	19.27		
20	64QAM	50	50	19.21	19.28	19.22		
20	64QAM	100	0	19.12	19.21	19.13		
20	256QAM	1	0	17.30	17.35	17.28	19	5
20	256QAM	1	49	17.38	17.38	17.38		
20	256QAM	1	99	17.34	17.41	17.41		
20	256QAM	50	0	17.15	17.23	17.21	19	5
20	256QAM	50	24	17.08	17.16	17.07		
20	256QAM	50	50	17.22	17.22	17.20		
20	256QAM	100	0	17.02	17.11	17.08		
Channel				37525	38000	38475	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.57	22.49	22.36	24	0
15	QPSK	1	37	22.32	22.35	22.46		
15	QPSK	1	74	22.40	22.48	22.37		
15	QPSK	36	0	21.31	21.33	21.11	23	1
15	QPSK	36	20	21.12	21.17	21.09		
15	QPSK	36	39	21.19	21.08	21.14		
15	QPSK	75	0	21.69	21.78	21.68	23	1
15	16QAM	1	0	21.64	21.62	21.70		
15	16QAM	1	37	21.53	21.64	21.67		
15	16QAM	1	74	21.50	21.58	21.57	22	2
15	16QAM	36	0	20.10	20.17	20.15		
15	16QAM	36	20	20.07	20.18	20.19		
15	16QAM	36	39	20.22	20.29	20.20		
15	16QAM	75	0	20.07	20.10	20.15	22	2
15	64QAM	1	0	20.35	20.24	20.16		
15	64QAM	1	37	20.40	20.30	20.28		
15	64QAM	1	74	20.33	20.32	20.39	21	3
15	64QAM	36	0	19.04	19.15	19.04		
15	64QAM	36	20	19.20	19.22	19.30		
15	64QAM	36	39	19.11	19.26	19.12		
15	64QAM	75	0	19.02	19.16	19.08	19	5
15	256QAM	1	0	17.34	17.27	17.16		
15	256QAM	1	37	17.32	17.41	17.31		
15	256QAM	1	74	17.27	17.31	17.31		
15	256QAM	36	0	17.05	17.19	17.25	19	5
15	256QAM	36	20	17.11	17.10	17.08		
15	256QAM	36	39	17.15	17.26	17.20		
15	256QAM	75	0	17.09	17.02	17.08		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.56	22.54	22.44	24	0
10	QPSK	1	25	22.36	22.45	22.40		
10	QPSK	1	49	22.46	22.39	22.42		
10	QPSK	25	0	21.22	21.32	21.17	23	1
10	QPSK	25	12	21.14	21.22	21.20		
10	QPSK	25	25	21.18	21.20	21.17		
10	QPSK	50	0	21.66	21.77	21.61		
10	16QAM	1	0	21.75	21.68	21.68	23	1
10	16QAM	1	25	21.66	21.63	21.56		
10	16QAM	1	49	21.43	21.54	21.54		
10	16QAM	25	0	20.01	20.11	20.07	22	2
10	16QAM	25	12	20.10	20.20	20.18		
10	16QAM	25	25	20.12	20.27	20.24		
10	16QAM	50	0	20.02	20.16	20.15		
10	64QAM	1	0	20.34	20.26	20.14	22	2
10	64QAM	1	25	20.38	20.27	20.27		
10	64QAM	1	49	20.33	20.31	20.28		
10	64QAM	25	0	19.16	19.25	19.11	21	3
10	64QAM	25	12	19.11	19.29	19.17		
10	64QAM	25	25	19.17	19.25	19.17		
10	64QAM	50	0	19.10	19.22	19.12		
10	256QAM	1	0	17.24	17.34	17.26	19	5
10	256QAM	1	25	17.39	17.29	17.30		
10	256QAM	1	49	17.24	17.39	17.41		
10	256QAM	25	0	17.08	17.13	17.12	19	5
10	256QAM	25	12	17.08	17.19	17.06		
10	256QAM	25	25	17.13	17.22	17.18		
10	256QAM	50	0	17.04	17.06	17.11		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.47	22.49	22.45	24	0
5	QPSK	1	12	22.37	22.36	22.38		
5	QPSK	1	24	22.45	22.43	22.32		
5	QPSK	12	0	21.20	21.34	21.19	23	1
5	QPSK	12	7	21.19	21.26	21.08		
5	QPSK	12	13	21.19	21.24	21.20		
5	QPSK	25	0	21.76	21.81	21.68		
5	16QAM	1	0	21.75	21.64	21.62	23	1
5	16QAM	1	12	21.62	21.71	21.59		
5	16QAM	1	24	21.42	21.58	21.45		
5	16QAM	12	0	20.07	20.18	20.07	22	2
5	16QAM	12	7	20.12	20.24	20.22		
5	16QAM	12	13	20.22	20.27	20.25		
5	16QAM	25	0	20.04	20.10	20.06		
5	64QAM	1	0	20.28	20.24	20.18	22	2
5	64QAM	1	12	20.29	20.34	20.35		
5	64QAM	1	24	20.25	20.35	20.29		
5	64QAM	12	0	19.07	19.18	19.13	21	3
5	64QAM	12	7	19.13	19.22	19.32		
5	64QAM	12	13	19.23	19.26	19.18		
5	64QAM	25	0	19.16	19.12	19.12		
5	256QAM	1	0	17.23	17.34	17.18	19	5
5	256QAM	1	12	17.29	17.40	17.39		
5	256QAM	1	24	17.30	17.43	17.42		
5	256QAM	12	0	17.07	17.25	17.24	19	5
5	256QAM	12	7	17.09	17.12	17.05		
5	256QAM	12	13	17.23	17.23	17.15		
5	256QAM	25	0	17.00	17.07	17.00		

Band 38_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	16.21	16.37	16.29	17	0
20	QPSK	1	49	16.06	16.14	16.22		
20	QPSK	1	99	16.06	16.14	16.22		
20	QPSK	50	0	16.06	16.24	16.22	17	0
20	QPSK	50	24	16.18	16.04	16.20		
20	QPSK	50	50	16.18	16.07	16.14		
20	QPSK	100	0	16.08	16.18	16.14		
20	16QAM	1	0	16.18	16.07	16.14	17	0
20	16QAM	1	49	16.18	16.07	16.14		
20	16QAM	1	99	16.14	16.04	16.25		
20	16QAM	50	0	16.09	16.13	16.17	17	0
20	16QAM	50	24	16.11	16.14	16.21		
20	16QAM	50	50	16.12	16.13	16.17		
20	16QAM	100	0	16.06	16.13	16.20		
20	64QAM	1	0	16.11	16.13	16.22	17	0
20	64QAM	1	49	16.15	16.04	16.19		
20	64QAM	1	99	16.15	16.04	16.19		
20	64QAM	50	0	16.15	16.04	16.19	17	0
20	64QAM	50	24	16.15	16.04	16.19		
20	64QAM	50	50	16.15	16.04	16.19		
20	64QAM	100	0	16.19	16.07	16.25		
20	256QAM	1	0	16.19	16.07	16.25	17	0
20	256QAM	1	49	16.19	16.07	16.25		
20	256QAM	1	99	16.19	16.07	16.25		
20	256QAM	50	0	16.19	16.07	16.25	17	0
20	256QAM	50	24	16.19	16.07	16.25		
20	256QAM	50	50	16.19	16.07	16.25		
20	256QAM	100	0	16.17	16.03	16.25		
Channel				37525	38000	38475	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	16.08	16.11	16.15	17	0
15	QPSK	1	37	15.96	16.00	16.15		
15	QPSK	1	74	15.96	16.10	16.13		
15	QPSK	36	0	15.98	16.15	16.17	17	0
15	QPSK	36	20	16.12	16.03	16.15		
15	QPSK	36	39	16.09	16.00	16.00		
15	QPSK	75	0	16.00	16.19	16.09	17	0
15	16QAM	1	0	16.03	15.97	16.10		
15	16QAM	1	37	16.17	15.93	16.13		
15	16QAM	1	74	16.05	15.98	16.10		
15	16QAM	36	0	15.97	16.10	16.07	17	0
15	16QAM	36	20	16.04	16.13	16.17		
15	16QAM	36	39	16.04	16.01	16.27		
15	16QAM	75	0	16.15	16.24	16.21	17	0
15	64QAM	1	0	16.25	16.25	16.23		
15	64QAM	1	37	16.21	16.09	16.22		
15	64QAM	1	74	16.27	16.13	16.20		
15	64QAM	36	0	16.24	16.06	16.33	17	0
15	64QAM	36	20	16.22	16.07	16.23		
15	64QAM	36	39	16.23	16.18	16.23		
15	64QAM	75	0	16.34	16.13	16.26	17	0
15	256QAM	1	0	16.21	16.08	16.27		
15	256QAM	1	37	16.22	16.15	16.36		
15	256QAM	1	74	16.22	16.15	16.36		
15	256QAM	36	0	16.30	16.16	16.34	17	0
15	256QAM	36	20	16.23	16.14	16.35		
15	256QAM	36	39	16.33	16.17	16.34		
15	256QAM	75	0	16.32	16.13	16.31	17	0
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	16.18	16.11	16.28	17	0
10	QPSK	1	25	16.04	16.00	16.10		
10	QPSK	1	49	16.00	16.06	16.11		
10	QPSK	25	0	15.92	16.19	16.20	17	0
10	QPSK	25	12	16.08	16.03	16.17		
10	QPSK	25	25	16.06	15.98	16.00		
10	QPSK	50	0	15.93	16.11	16.12		
10	16QAM	1	0	16.03	15.96	16.08	17	0
10	16QAM	1	25	16.17	15.95	16.01		
10	16QAM	1	49	16.07	15.90	16.20		
10	16QAM	25	0	15.98	16.07	16.09	17	0
10	16QAM	25	12	16.08	16.13	16.16		
10	16QAM	25	25	16.18	16.00	16.22		
10	16QAM	50	0	16.21	16.18	16.22		
10	64QAM	1	0	16.13	16.17	16.28	17	0
10	64QAM	1	25	16.25	16.10	16.22		
10	64QAM	1	49	16.20	16.17	16.31		
10	64QAM	25	0	16.23	16.07	16.20	17	0
10	64QAM	25	12	16.28	16.19	16.29		
10	64QAM	25	25	16.19	16.10	16.26		
10	64QAM	50	0	16.28	16.20	16.28		
10	256QAM	1	0	16.34	16.13	16.28	17	0
10	256QAM	1	25	16.27	16.19	16.27		
10	256QAM	1	49	16.20	16.09	16.32		
10	256QAM	25	0	16.31	16.11	16.31	17	0
10	256QAM	25	12	16.26	16.13	16.31		
10	256QAM	25	25	16.34	16.14	16.36		
10	256QAM	50	0	16.26	16.07	16.31		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	16.08	16.24	16.14	17	0
5	QPSK	1	12	16.09	16.06	16.09		
5	QPSK	1	24	15.91	16.05	16.19		
5	QPSK	12	0	16.04	16.17	16.14	17	0
5	QPSK	12	7	15.99	15.90	16.11		
5	QPSK	12	13	16.12	15.92	16.03		
5	QPSK	25	0	15.99	16.17	16.03		
5	16QAM	1	0	16.14	15.95	16.11	17	0
5	16QAM	1	12	16.17	16.04	16.13		
5	16QAM	1	24	16.05	16.01	16.14		
5	16QAM	12	0	15.95	15.98	16.08	17	0
5	16QAM	12	7	16.00	16.05	16.10		
5	16QAM	12	13	16.18	15.99	16.25		
5	16QAM	25	0	16.14	16.16	16.31		
5	64QAM	1	0	16.14	16.23	16.28	17	0
5	64QAM	1	12	16.24	16.11	16.31		
5	64QAM	1	24	16.18	16.17	16.28		
5	64QAM	12	0	16.30	16.15	16.30	17	0
5	64QAM	12	7	16.26	16.07	16.24		
5	64QAM	12	13	16.24	16.11	16.30		
5	64QAM	25	0	16.25	16.10	16.30		
5	256QAM	1	0	16.25	16.18	16.30	17	0
5	256QAM	1	12	16.22	16.17	16.30		
5	256QAM	1	24	16.26	16.16	16.27		
5	256QAM	12	0	16.33	16.08	16.26	17	0
5	256QAM	12	7	16.31	16.12	16.27		
5	256QAM	12	13	16.22	16.20	16.31		
5	256QAM	25	0	16.29	16.09	16.27		

Band 41_Ant 1(ENDC)

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	22.93	22.92	22.95	22.75	22.46	24	0
20	QPSK	1	49	22.76	22.82	22.86	22.46	22.30		
20	QPSK	1	99	22.71	22.72	22.78	22.52	22.37		
20	QPSK	50	0	21.86	21.84	21.89	21.73	21.63	23	1
20	QPSK	50	24	21.83	21.84	21.84	21.72	21.58		
20	QPSK	50	50	21.84	21.78	21.85	21.71	21.60		
20	QPSK	100	0	21.77	21.77	21.82	21.44	21.40		
20	16QAM	1	0	21.82	21.92	21.75	21.49	21.25	23	1
20	16QAM	1	49	21.64	21.56	21.64	21.35	21.42		
20	16QAM	1	99	21.53	21.59	21.62	21.31	21.38		
20	16QAM	50	0	20.89	20.88	20.91	20.76	20.59	22	2
20	16QAM	50	24	20.84	20.82	20.89	20.69	20.50		
20	16QAM	50	50	20.85	20.89	20.90	20.65	20.55		
20	16QAM	100	0	20.78	20.80	20.83	20.69	20.52		
20	64QAM	1	0	21.01	21.10	21.08	20.62	20.58	22	2
20	64QAM	1	49	20.99	20.95	21.02	20.61	20.44		
20	64QAM	1	99	20.97	21.01	21.04	20.59	20.53		
20	64QAM	50	0	19.88	19.85	19.91	19.72	19.60	21	3
20	64QAM	50	24	19.78	19.85	19.88	19.70	19.59		
20	64QAM	50	50	19.86	19.88	19.90	19.71	19.56		
20	64QAM	100	0	19.76	19.76	19.84	19.70	19.55		
20	256QAM	1	0	17.89	17.86	17.85	17.99	17.84	19	5
20	256QAM	1	49	17.80	17.80	17.81	17.90	17.74		
20	256QAM	1	99	17.74	17.71	17.79	17.98	17.83		
20	256QAM	50	0	17.93	17.89	17.95	17.74	17.55	19	5
20	256QAM	50	24	17.81	17.74	17.83	17.71	17.52		
20	256QAM	50	50	17.80	17.84	17.90	17.71	17.53		
20	256QAM	100	0	17.75	17.80	17.83	17.63	17.54		
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	22.92	22.87	22.93	22.72	22.43	24	0
15	QPSK	1	37	22.67	22.84	22.78	22.47	22.30		
15	QPSK	1	74	22.69	22.74	22.82	22.56	22.40		
15	QPSK	36	0	21.81	21.77	21.82	21.77	21.55	23	1
15	QPSK	36	20	21.85	21.75	21.88	21.72	21.55		
15	QPSK	36	39	21.87	21.77	21.87	21.75	21.53		
15	QPSK	75	0	21.64	21.60	21.70	21.31	21.34		
15	16QAM	1	0	21.66	21.73	21.59	21.48	21.11	23	1
15	16QAM	1	37	21.51	21.34	21.46	21.22	21.34		
15	16QAM	1	74	21.32	21.36	21.39	21.15	21.23		
15	16QAM	36	0	20.66	20.73	20.71	20.64	20.58	22	2
15	16QAM	36	20	20.59	20.58	20.74	20.68	20.50		
15	16QAM	36	39	20.72	20.73	20.71	20.64	20.35		
15	16QAM	75	0	20.64	20.59	20.72	20.58	20.40		
15	64QAM	1	0	20.83	20.97	20.97	20.54	20.40	22	2
15	64QAM	1	37	20.75	20.81	20.79	20.44	20.34		
15	64QAM	1	74	20.75	20.83	20.81	20.45	20.33		
15	64QAM	36	0	19.68	19.68	19.79	19.53	19.46	21	3
15	64QAM	36	20	19.78	19.68	19.91	19.67	19.55		
15	64QAM	36	39	19.79	19.81	19.91	19.65	19.55		
15	64QAM	75	0	19.77	19.71	19.78	19.52	19.36		
15	256QAM	1	0	17.86	17.85	17.80	17.90	17.75	19	5
15	256QAM	1	37	17.74	17.84	17.84	17.87	17.73		
15	256QAM	1	74	17.78	17.76	17.83	17.94	17.71		
15	256QAM	36	0	17.98	17.86	17.99	17.61	17.39	19	5
15	256QAM	36	20	17.84	17.67	17.87	17.59	17.52		
15	256QAM	36	39	17.84	17.79	17.84	17.65	17.39		
15	256QAM	75	0	17.69	17.73	17.79	17.57	17.47		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	22.88	22.93	22.89	22.68	22.36	24.00	0
10	QPSK	1	25	22.75	22.86	22.80	22.43	22.20		
10	QPSK	1	49	22.65	22.69	22.77	22.42	22.30		
10	QPSK	25	0	21.87	21.87	21.80	21.69	21.55	23	1
10	QPSK	25	12	21.87	21.85	21.75	21.67	21.49		
10	QPSK	25	25	21.79	21.82	21.75	21.74	21.53		
10	QPSK	50	0	21.63	21.66	21.69	21.28	21.34		
10	16QAM	1	0	21.69	21.81	21.60	21.29	21.09	23	1
10	16QAM	1	25	21.43	21.35	21.53	21.20	21.29		
10	16QAM	1	49	21.42	21.34	21.42	21.21	21.18		
10	16QAM	25	0	20.69	20.74	20.80	20.57	20.53	22	2
10	16QAM	25	12	20.66	20.68	20.74	20.65	20.31		
10	16QAM	25	25	20.67	20.77	20.70	20.49	20.43		
10	16QAM	50	0	20.67	20.65	20.72	20.62	20.47		
10	64QAM	1	0	20.76	20.85	20.86	20.51	20.49	22	2
10	64QAM	1	25	20.81	20.81	20.84	20.53	20.29		
10	64QAM	1	49	20.86	20.85	20.80	20.41	20.42		
10	64QAM	25	0	19.66	19.65	19.76	19.62	19.53	21	3
10	64QAM	25	12	19.72	19.69	19.79	19.70	19.40		
10	64QAM	25	25	19.88	19.86	19.84	19.54	19.44		
10	64QAM	50	0	19.68	19.80	19.82	19.58	19.35		
10	256QAM	1	0	17.80	17.82	17.78	17.85	17.73	19	5
10	256QAM	1	25	17.76	17.73	17.79	17.72	17.72		
10	256QAM	1	49	17.71	17.66	17.72	17.86	17.73		
10	256QAM	25	0	17.93	17.86	17.89	17.72	17.48	19	5
10	256QAM	25	12	17.82	17.72	17.78	17.71	17.32		
10	256QAM	25	25	17.77	17.75	17.94	17.60	17.35		
10	256QAM	50	0	17.74	17.75	17.81	17.55	17.45		
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	22.83	22.89	22.94	22.74	22.48	24.00	0
5	QPSK	1	12	22.68	22.72	22.77	22.36	22.28		
5	QPSK	1	24	22.76	22.67	22.69	22.50	22.36		
5	QPSK	12	0	21.83	21.84	21.92	21.71	21.64	23	1
5	QPSK	12	7	21.80	21.80	21.86	21.71	21.59		
5	QPSK	12	13	21.86	21.78	21.78	21.76	21.61		
5	QPSK	25	0	21.61	21.56	21.61	21.31	21.31		
5	16QAM	1	0	21.70	21.72	21.63	21.38	21.07	23	1
5	16QAM	1	12	21.43	21.40	21.47	21.33	21.23		
5	16QAM	1	24	21.39	21.40	21.41	21.26	21.32		
5	16QAM	12	0	20.64	20.72	20.71	20.68	20.59	22	2
5	16QAM	12	7	20.61	20.58	20.73	20.49	20.33		
5	16QAM	12	13	20.70	20.75	20.70	20.51	20.46		
5	16QAM	25	0	20.58	20.63	20.71	20.66	20.38		
5	64QAM	1	0	20.82	20.94	20.87	20.45	20.50	22	2
5	64QAM	1	12	20.74	20.71	20.80	20.46	20.31		
5	64QAM	1	24	20.80	20.85	20.83	20.41	20.38		
5	64QAM	12	0	19.77	19.62	19.71	19.64	19.40	21	3
5	64QAM	12	7	19.79	19.72	19.80	19.52	19.55		
5	64QAM	12	13	19.78	19.85	19.92	19.63	19.47		
5	64QAM	25	0	19.72	19.69	19.88	19.70	19.43		
5	256QAM	1	0	17.88	17.88	17.87	17.80	17.84	19	5
5	256QAM	1	12	17.73	17.77	17.83	17.83	17.63		
5	256QAM	1	24	17.71	17.76	17.83	17.98	17.67		
5	256QAM	12	0	17.93	17.90	17.95	17.57	17.55	19	5
5	256QAM	12	7	17.73	17.79	17.80	17.62	17.40		
5	256QAM	12	13	17.81	17.80	17.88	17.71	17.49		
5	256QAM	25	0	17.71	17.71	17.76	17.43	17.34		

Band 41_Ant 4

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	16.42	16.33	16.54	16.48	16.53	17	0
20	QPSK	1	49	16.37	16.32	16.30	16.51	16.35		
20	QPSK	1	99	16.37	16.35	16.39	16.44	16.37		
20	QPSK	50	0	16.35	16.30	16.50	16.36	16.36	17	0
20	QPSK	50	24	16.43	16.38	16.34	16.49	16.47		
20	QPSK	50	50	16.39	16.35	16.43	16.37	16.43		
20	QPSK	100	0	16.32	16.32	16.46	16.44	16.43		
20	16QAM	1	0	16.30	16.32	16.35	16.42	16.38	17	0
20	16QAM	1	49	16.34	16.43	16.37	16.38	16.37		
20	16QAM	1	99	16.42	16.31	16.31	16.45	16.51		
20	16QAM	50	0	16.34	16.33	16.30	16.46	16.52	17	0
20	16QAM	50	24	16.38	16.38	16.42	16.39	16.45		
20	16QAM	50	50	16.35	16.31	16.32	16.40	16.48		
20	16QAM	100	0	16.42	16.41	16.30	16.41	16.49		
20	64QAM	1	0	16.36	16.40	16.42	16.42	16.37	17	0
20	64QAM	1	49	16.42	16.43	16.42	16.53	16.35		
20	64QAM	1	99	16.43	16.41	16.33	16.42	16.43		
20	64QAM	50	0	16.36	16.43	16.38	16.45	16.49	17	0
20	64QAM	50	24	16.40	16.37	16.30	16.37	16.40		
20	64QAM	50	50	16.44	16.39	16.30	16.41	16.38		
20	64QAM	100	0	16.37	16.31	16.42	16.44	16.38		
20	256QAM	1	0	16.43	16.31	16.43	16.44	16.37	17	0
20	256QAM	1	49	16.31	16.34	16.37	16.48	16.51		
20	256QAM	1	99	16.31	16.39	16.32	16.41	16.38		
20	256QAM	50	0	16.40	16.30	16.32	16.41	16.47	17	0
20	256QAM	50	24	16.31	16.43	16.37	16.52	16.46		
20	256QAM	50	50	16.42	16.43	16.30	16.44	16.41		
20	256QAM	100	0	16.31	16.41	16.32	16.46	16.43		
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	16.19	16.22	16.34	16.37	16.48	17.00	0
15	QPSK	1	37	16.12	16.21	16.03	16.50	16.37		
15	QPSK	1	74	16.23	16.20	16.14	16.23	16.28		
15	QPSK	36	0	16.23	16.12	16.35	16.16	16.38	17	0
15	QPSK	36	20	16.29	16.30	16.10	16.30	16.53		
15	QPSK	36	39	16.19	16.16	16.31	16.20	16.28		
15	QPSK	75	0	16.11	16.20	16.32	16.28	16.44		
15	16QAM	1	0	16.07	16.13	16.08	16.25	16.45	17	0
15	16QAM	1	37	16.23	16.27	16.24	16.53	16.29		
15	16QAM	1	74	16.20	16.16	16.09	16.33	16.38		
15	16QAM	36	0	16.23	16.26	16.08	16.45	16.42	17	0
15	16QAM	36	20	16.25	16.29	16.16	16.32	16.38		
15	16QAM	36	39	16.35	16.15	16.42	16.42	16.41		
15	16QAM	75	0	16.30	16.41	16.32	16.37	16.51		
15	64QAM	1	0	16.30	16.42	16.39	16.27	16.40	17	0
15	64QAM	1	37	16.40	16.35	16.33	16.47	16.27		
15	64QAM	1	74	16.52	16.45	16.36	16.34	16.41		
15	64QAM	36	0	16.32	16.45	16.36	16.41	16.35	17	0
15	64QAM	36	20	16.37	16.32	16.25	16.17	16.30		
15	64QAM	36	39	16.48	16.45	16.22	16.37	16.24		
15	64QAM	75	0	16.32	16.44	16.48	16.27	16.22		
15	256QAM	1	0	16.37	16.45	16.39	16.43	16.35	17	0
15	256QAM	1	37	16.36	16.37	16.33	16.49	16.51		
15	256QAM	1	74	16.40	16.38	16.30	16.34	16.35		
15	256QAM	36	0	16.48	16.16	16.42	16.40	16.30	17	0
15	256QAM	36	20	16.31	16.34	16.36	16.34	16.43		
15	256QAM	36	39	16.36	16.38	16.27	16.38	16.23		
15	256QAM	75	0	16.26	16.37	16.25	16.48	16.31		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	16.26	16.25	16.34	16.42	16.44	17.00	0
10	QPSK	1	25	16.12	16.20	16.14	16.50	16.34		
10	QPSK	1	49	16.11	16.27	16.16	16.26	16.30		
10	QPSK	25	0	16.28	16.07	16.41	16.20	16.37	17	0
10	QPSK	25	12	16.32	16.30	16.10	16.37	16.51		
10	QPSK	25	25	16.11	16.17	16.33	16.17	16.21		
10	QPSK	50	0	16.15	16.10	16.31	16.32	16.34		
10	16QAM	1	0	16.04	16.11	16.07	16.21	16.50	17	0
10	16QAM	1	25	16.14	16.25	16.17	16.47	16.32		
10	16QAM	1	49	16.22	16.17	16.18	16.32	16.41		
10	16QAM	25	0	16.26	16.22	16.11	16.44	16.38	17	0
10	16QAM	25	12	16.29	16.26	16.26	16.31	16.39		
10	16QAM	25	25	16.33	16.14	16.46	16.31	16.51		
10	16QAM	50	0	16.37	16.33	16.29	16.30	16.41		
10	64QAM	1	0	16.33	16.46	16.31	16.29	16.41	17	0
10	64QAM	1	25	16.43	16.46	16.41	16.45	16.23		
10	64QAM	1	49	16.50	16.47	16.38	16.48	16.34		
10	64QAM	25	0	16.32	16.39	16.32	16.38	16.34	17	0
10	64QAM	25	12	16.42	16.41	16.28	16.26	16.19		
10	64QAM	25	25	16.47	16.46	16.26	16.35	16.25		
10	64QAM	50	0	16.28	16.36	16.38	16.36	16.24		
10	256QAM	1	0	16.38	16.34	16.41	16.35	16.43	17	0
10	256QAM	1	25	16.24	16.33	16.37	16.40	16.42		
10	256QAM	1	49	16.33	16.51	16.37	16.37	16.27		
10	256QAM	25	0	16.51	16.25	16.33	16.41	16.37	17	0
10	256QAM	25	12	16.30	16.36	16.38	16.30	16.46		
10	256QAM	25	25	16.36	16.48	16.32	16.50	16.26		
10	256QAM	50	0	16.39	16.38	16.28	16.41	16.29		
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	16.31	16.27	16.39	16.37	16.42	17.00	0
5	QPSK	1	12	16.15	16.24	16.04	16.53	16.39		
5	QPSK	1	24	16.18	16.30	16.27	16.27	16.29		
5	QPSK	12	0	16.24	16.10	16.34	16.27	16.31	17	0
5	QPSK	12	7	16.26	16.29	16.16	16.24	16.51		
5	QPSK	12	13	16.22	16.07	16.31	16.23	16.25		
5	QPSK	25	0	16.12	16.23	16.39	16.33	16.35		
5	16QAM	1	0	16.11	16.05	16.07	16.24	16.38	17	0
5	16QAM	1	12	16.13	16.22	16.21	16.53	16.33		
5	16QAM	1	24	16.25	16.15	16.18	16.29	16.40		
5	16QAM	12	0	16.23	16.23	16.09	16.44	16.48	17	0
5	16QAM	12	7	16.24	16.25	16.18	16.23	16.36		
5	16QAM	12	13	16.41	16.08	16.45	16.41	16.38		
5	16QAM	25	0	16.39	16.30	16.34	16.37	16.53		
5	64QAM	1	0	16.34	16.38	16.44	16.27	16.34	17	0
5	64QAM	1	12	16.45	16.41	16.42	16.44	16.23		
5	64QAM	1	24	16.50	16.51	16.42	16.42	16.33		
5	64QAM	12	0	16.38	16.42	16.26	16.44	16.30	17	0
5	64QAM	12	7	16.40	16.33	16.24	16.18	16.20		
5	64QAM	12	13	16.51	16.38	16.27	16.36	16.27		
5	64QAM	25	0	16.27	16.38	16.41	16.35	16.33		
5	256QAM	1	0	16.45	16.41	16.36	16.42	16.38	17	0
5	256QAM	1	12	16.28	16.36	16.31	16.41	16.31		
5	256QAM	1	24	16.29	16.41	16.39	16.43	16.25		
5	256QAM	12	0	16.45	16.19	16.38	16.43	16.38	17	0
5	256QAM	12	7	16.28	16.45	16.37	16.34	16.37		
5	256QAM	12	13	16.31	16.43	16.34	16.38	16.20		
5	256QAM	25	0	16.31	16.42	16.33	16.40	16.31		

Band 41_HPUE_Ant 4

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	18.00	17.92	18.05	18.02	17.97	18.6	0
20	QPSK	1	49	17.88	17.88	18.00	17.89	17.96		
20	QPSK	1	99	17.90	17.95	17.96	18.02	18.00		
20	QPSK	50	0	17.99	17.94	18.03	18.02	17.90	18.6	0
20	QPSK	50	24	17.88	17.99	17.88	17.91	17.98		
20	QPSK	50	50	18.02	17.98	17.88	17.89	18.02		
20	QPSK	100	0	17.93	17.97	18.01	17.90	18.00		
20	16QAM	1	0	18.00	17.95	18.01	18.00	17.92	18.6	0
20	16QAM	1	49	17.91	17.92	17.88	18.01	18.00		
20	16QAM	1	99	17.91	18.02	18.02	17.89	17.90		
20	16QAM	50	0	18.00	18.01	17.97	17.90	17.98	18.6	0
20	16QAM	50	24	18.01	18.02	17.93	17.89	17.88		
20	16QAM	50	50	17.93	17.96	17.92	17.88	17.88		
20	16QAM	100	0	17.96	17.88	17.97	17.91	17.99		
20	64QAM	1	0	17.91	17.99	18.01	18.00	18.00	18.6	0
20	64QAM	1	49	17.90	17.93	17.93	18.00	17.96		
20	64QAM	1	99	17.95	17.95	17.90	17.98	18.00		
20	64QAM	50	0	17.91	17.95	17.88	17.97	18.00	18.6	0
20	64QAM	50	24	17.97	17.89	17.94	17.99	17.91		
20	64QAM	50	50	17.96	17.92	17.91	17.96	18.02		
20	64QAM	100	0	17.94	17.96	17.94	17.91	17.97		
20	256QAM	1	0	18.01	17.97	18.01	18.01	17.95	18.6	0
20	256QAM	1	49	17.91	17.93	18.02	17.93	17.92		
20	256QAM	1	99	18.01	17.92	17.92	17.91	17.94		
20	256QAM	50	0	17.88	17.94	17.95	18.01	17.94	18.6	0
20	256QAM	50	24	17.99	17.89	17.99	18.01	17.96		
20	256QAM	50	50	17.98	17.88	18.00	17.92	17.93		
20	256QAM	100	0	17.96	17.98	17.91	17.99	18.02		
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	17.90	17.89	17.94	17.99	17.82	18.60	0
15	QPSK	1	37	17.85	17.84	17.98	17.88	17.87		
15	QPSK	1	74	17.84	17.82	17.89	18.01	17.98		
15	QPSK	36	0	17.92	17.90	17.98	17.93	17.81	18.6	0
15	QPSK	36	20	17.77	17.90	17.84	17.82	17.88		
15	QPSK	36	39	17.95	17.95	17.76	17.74	17.96		
15	QPSK	75	0	17.86	17.94	17.91	17.88	17.98		
15	16QAM	1	0	17.97	17.80	17.89	17.91	17.89	18.6	0
15	16QAM	1	37	17.81	17.85	17.85	17.92	17.88		
15	16QAM	1	74	17.84	17.95	17.92	17.82	17.77		
15	16QAM	36	0	17.85	17.90	17.95	17.85	17.83	18.6	0
15	16QAM	36	20	17.87	17.92	17.85	17.78	17.81		
15	16QAM	36	39	17.82	17.91	17.91	17.79	17.79		
15	16QAM	75	0	17.95	17.80	17.86	17.88	17.86		
15	64QAM	1	0	17.83	17.91	17.96	17.87	17.96	18.6	0
15	64QAM	1	37	17.82	17.92	17.84	17.89	17.88		
15	64QAM	1	74	17.84	17.91	17.77	17.86	17.89		
15	64QAM	36	0	17.82	17.80	17.85	17.91	17.91	18.6	0
15	64QAM	36	20	17.89	17.82	17.86	17.89	17.89		
15	64QAM	36	39	17.95	17.90	17.82	17.90	17.96		
15	64QAM	75	0	17.82	17.91	17.86	17.88	17.82		
15	256QAM	1	0	17.89	17.87	17.92	17.92	17.86	18.6	0
15	256QAM	1	37	17.90	17.85	17.99	17.90	17.88		
15	256QAM	1	74	17.90	17.83	17.81	17.86	17.88		
15	256QAM	36	0	17.86	17.81	17.81	17.95	17.90	18.6	0
15	256QAM	36	20	17.88	17.84	17.88	17.92	17.95		
15	256QAM	36	39	17.88	17.77	17.94	17.83	17.90		
15	256QAM	75	0	17.93	17.91	17.76	17.92	17.94		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	17.93	17.82	18.04	17.97	17.94	18.60	0
10	QPSK	1	25	17.85	17.75	17.95	17.74	17.81		
10	QPSK	1	49	17.78	17.82	17.87	17.96	17.96		
10	QPSK	25	0	17.92	17.81	17.92	17.99	17.82	18.6	0
10	QPSK	25	12	17.80	17.88	17.75	17.79	17.91		
10	QPSK	25	25	17.90	17.89	17.82	17.77	17.89		
10	QPSK	50	0	17.83	17.86	17.99	17.76	17.95		
10	16QAM	1	0	17.86	17.82	17.93	17.94	17.85	18.6	0
10	16QAM	1	25	17.87	17.82	17.75	17.92	17.89		
10	16QAM	1	49	17.78	18.01	17.96	17.79	17.80		
10	16QAM	25	0	17.99	17.99	17.87	17.78	17.97	18.6	0
10	16QAM	25	12	18.00	18.00	17.89	17.74	17.81		
10	16QAM	25	25	17.89	17.95	17.81	17.82	17.75		
10	16QAM	50	0	17.82	17.80	17.86	17.82	17.96		
10	64QAM	1	0	17.82	17.94	17.91	17.94	17.94	18.6	0
10	64QAM	1	25	17.88	17.87	17.78	17.96	17.84		
10	64QAM	1	49	17.83	17.93	17.89	17.97	17.88		
10	64QAM	25	0	17.83	17.94	17.76	17.94	17.92	18.6	0
10	64QAM	25	12	17.91	17.78	17.89	17.85	17.86		
10	64QAM	25	25	17.95	17.86	17.90	17.89	17.97		
10	64QAM	50	0	17.91	17.83	17.90	17.81	17.82		
10	256QAM	1	0	17.94	17.90	17.92	17.93	17.91	18.6	0
10	256QAM	1	25	17.89	17.89	17.91	17.79	17.80		
10	256QAM	1	49	17.97	17.90	17.83	17.89	17.93		
10	256QAM	25	0	17.81	17.82	17.92	17.93	17.90	18.6	0
10	256QAM	25	12	17.90	17.77	17.90	17.87	17.88		
10	256QAM	25	25	17.85	17.76	17.95	17.81	17.86		
10	256QAM	50	0	17.93	17.85	17.81	17.97	17.91		
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	17.98	17.87	17.90	17.92	17.89	18.60	0
5	QPSK	1	12	17.81	17.87	17.95	17.82	17.81		
5	QPSK	1	24	17.82	17.93	17.89	17.98	17.87		
5	QPSK	12	0	17.92	17.85	17.94	17.98	17.82	18.6	0
5	QPSK	12	7	17.83	17.85	17.87	17.87	17.89		
5	QPSK	12	13	17.91	17.94	17.79	17.87	17.96		
5	QPSK	25	0	17.87	17.88	17.90	17.81	17.97		
5	16QAM	1	0	17.89	17.92	17.94	17.90	17.91	18.6	0
5	16QAM	1	12	17.88	17.87	17.77	17.93	17.99		
5	16QAM	1	24	17.83	18.00	17.87	17.80	17.82		
5	16QAM	12	0	17.95	17.90	17.90	17.87	17.90	18.6	0
5	16QAM	12	7	17.92	17.95	17.80	17.77	17.79		
5	16QAM	12	13	17.81	17.81	17.89	17.84	17.82		
5	16QAM	25	0	17.89	17.82	17.88	17.87	17.84		
5	64QAM	1	0	17.86	17.96	17.95	17.95	17.95	18.6	0
5	64QAM	1	12	17.88	17.85	17.84	17.90	17.86		
5	64QAM	1	24	17.86	17.91	17.82	17.94	17.85		
5	64QAM	12	0	17.78	17.84	17.87	17.83	17.97	18.6	0
5	64QAM	12	7	17.85	17.76	17.91	17.89	17.80		
5	64QAM	12	13	17.89	17.90	17.79	17.85	17.92		
5	64QAM	25	0	17.84	17.85	17.83	17.87	17.86		
5	256QAM	1	0	17.95	17.85	17.99	17.96	17.84	18.6	0
5	256QAM	1	12	17.79	17.85	17.88	17.91	17.83		
5	256QAM	1	24	17.90	17.79	17.81	17.82	17.81		
5	256QAM	12	0	17.81	17.82	17.91	17.88	17.82	18.6	0
5	256QAM	12	7	17.98	17.79	17.95	17.88	17.85		
5	256QAM	12	13	17.87	17.73	17.99	17.85	17.81		
5	256QAM	25	0	17.85	17.88	17.87	17.96	17.89		

Reduced Power for DSI 3

Band 7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	14.77	14.95	14.74	16	0
20	QPSK	1	49	14.67	14.91	14.70		
20	QPSK	1	99	14.58	14.80	14.68		
20	QPSK	50	0	14.82	14.94	14.74	16	0
20	QPSK	50	24	14.58	14.91	14.69		
20	QPSK	50	50	14.58	14.76	14.67		
20	QPSK	100	0	14.70	14.90	14.80		
20	16QAM	1	0	14.58	14.92	14.69	16	0
20	16QAM	1	49	14.63	14.82	14.71		
20	16QAM	1	99	14.70	14.92	14.72		
20	16QAM	50	0	14.66	14.84	14.64	16	0
20	16QAM	50	24	14.67	14.74	14.69		
20	16QAM	50	50	14.68	14.90	14.72		
20	16QAM	100	0	14.59	14.80	14.58		
20	64QAM	1	0	14.60	14.78	14.78	16	0
20	64QAM	1	49	14.69	14.92	14.77		
20	64QAM	1	99	14.62	14.86	14.65		
20	64QAM	50	0	14.61	14.81	14.75	16	0
20	64QAM	50	24	14.73	14.83	14.74		
20	64QAM	50	50	14.71	14.81	14.69		
20	64QAM	100	0	14.66	14.85	14.71		
20	256QAM	1	0	14.71	14.85	14.77	16	0
20	256QAM	1	49	14.72	14.90	14.71		
20	256QAM	1	99	14.59	14.76	14.71		
20	256QAM	50	0	14.72	14.92	14.78	16	0
20	256QAM	50	24	14.81	14.94	14.81		
20	256QAM	50	50	14.63	14.85	14.63		
20	256QAM	100	0	14.63	14.84	14.78		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	14.66	14.93	14.67	16	0
15	QPSK	1	37	14.64	14.84	14.56		
15	QPSK	1	74	14.57	14.72	14.62		
15	QPSK	36	0	14.68	14.89	14.67	16	0
15	QPSK	36	20	14.51	14.80	14.65		
15	QPSK	36	39	14.57	14.72	14.54		
15	QPSK	75	0	14.57	14.84	14.72		
15	16QAM	1	0	14.54	14.84	14.58	16	0
15	16QAM	1	37	14.59	14.78	14.70		
15	16QAM	1	74	14.65	14.81	14.57		
15	16QAM	36	0	14.65	14.80	14.62	16	0
15	16QAM	36	20	14.65	14.60	14.55		
15	16QAM	36	39	14.83	14.88	14.73		
15	16QAM	75	0	14.60	14.84	14.66		
15	64QAM	1	0	14.62	14.89	14.82	16	0
15	64QAM	1	37	14.76	14.87	14.83		
15	64QAM	1	74	14.71	14.88	14.77		
15	64QAM	36	0	14.63	14.93	14.79	16	0
15	64QAM	36	20	14.87	14.84	14.75		
15	64QAM	36	39	14.76	14.82	14.78		
15	64QAM	75	0	14.70	14.93	14.79		
15	256QAM	1	0	14.80	14.87	14.80	16	0
15	256QAM	1	37	14.82	14.88	14.84		
15	256QAM	1	74	14.68	14.87	14.79		
15	256QAM	36	0	14.73	14.95	14.79	16	0
15	256QAM	36	20	14.83	14.88	14.85		
15	256QAM	36	39	14.67	14.94	14.68		
15	256QAM	75	0	14.64	14.93	14.90		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	14.75	14.85	14.70	16	0
10	QPSK	1	25	14.57	14.89	14.68		
10	QPSK	1	49	14.44	14.77	14.59		
10	QPSK	25	0	14.78	14.80	14.60	16	0
10	QPSK	25	12	14.55	14.90	14.67		
10	QPSK	25	25	14.48	14.72	14.64		
10	QPSK	50	0	14.59	14.83	14.71		
10	16QAM	1	0	14.46	14.87	14.61	16	0
10	16QAM	1	25	14.61	14.81	14.70		
10	16QAM	1	49	14.67	14.86	14.57		
10	16QAM	25	0	14.59	14.70	14.53	16	0
10	16QAM	25	12	14.59	14.62	14.58		
10	16QAM	25	25	14.69	14.81	14.82		
10	16QAM	50	0	14.71	14.84	14.63		
10	64QAM	1	0	14.75	14.88	14.91	16	0
10	64QAM	1	25	14.77	14.80	14.80		
10	64QAM	1	49	14.70	14.92	14.72		
10	64QAM	25	0	14.72	14.87	14.90	16	0
10	64QAM	25	12	14.83	14.88	14.82		
10	64QAM	25	25	14.73	14.88	14.75		
10	64QAM	50	0	14.68	14.70	14.85		
10	256QAM	1	0	14.72	14.91	14.89	16	0
10	256QAM	1	25	14.78	14.91	14.79		
10	256QAM	1	49	14.61	14.90	14.84		
10	256QAM	25	0	14.73	14.70	14.88	16	0
10	256QAM	25	12	14.83	14.82	14.82		
10	256QAM	25	25	14.70	14.82	14.64		
10	256QAM	50	0	14.65	14.86	14.89		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	14.73	14.92	14.73	16	0
5	QPSK	1	12	14.55	14.90	14.63		
5	QPSK	1	24	14.50	14.68	14.53		
5	QPSK	12	0	14.72	14.86	14.62	16	0
5	QPSK	12	7	14.48	14.77	14.62		
5	QPSK	12	13	14.44	14.62	14.60		
5	QPSK	25	0	14.68	14.87	14.73		
5	16QAM	1	0	14.52	14.87	14.57	16	0
5	16QAM	1	12	14.52	14.78	14.60		
5	16QAM	1	24	14.61	14.89	14.58		
5	16QAM	12	0	14.56	14.74	14.60	16	0
5	16QAM	12	7	14.57	14.60	14.59		
5	16QAM	12	13	14.72	14.83	14.74		
5	16QAM	25	0	14.71	14.83	14.64		
5	64QAM	1	0	14.66	14.93	14.85	16	0
5	64QAM	1	12	14.72	14.90	14.81		
5	64QAM	1	24	14.69	14.89	14.73		
5	64QAM	12	0	14.62	14.87	14.83	16	0
5	64QAM	12	7	14.82	14.91	14.81		
5	64QAM	12	13	14.74	14.83	14.81		
5	64QAM	25	0	14.80	14.86	14.83		
5	256QAM	1	0	14.81	14.94	14.84	16	0
5	256QAM	1	12	14.78	14.83	14.83		
5	256QAM	1	24	14.73	14.83	14.83		
5	256QAM	12	0	14.81	14.88	14.85	16	0
5	256QAM	12	7	14.85	14.90	14.93		
5	256QAM	12	13	14.73	14.87	14.77		
5	256QAM	25	0	14.72	14.93	14.80		

Band 38_Ant 1(ENDC)

BW [MHz]	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	19.41	19.56	19.40	21	0
20	QPSK	1	49	19.27	19.36	19.39		
20	QPSK	1	99	19.37	19.31	19.29		
20	QPSK	50	0	19.39	19.44	19.37		
20	QPSK	50	24	19.33	19.41	19.29	21	0
20	QPSK	50	50	19.33	19.33	19.24		
20	QPSK	100	0	19.37	19.53	19.30		
20	16QAM	1	0	19.35	19.30	19.36	21	0
20	16QAM	1	49	19.31	19.34	19.23		
20	16QAM	1	99	19.37	19.47	19.32		
20	16QAM	50	0	19.31	19.33	19.29		
20	16QAM	50	24	19.45	19.35	19.23	21	0
20	16QAM	50	50	19.43	19.46	19.33		
20	16QAM	100	0	19.28	19.29	19.39		
20	64QAM	1	0	19.36	19.37	19.25	21	0
20	64QAM	1	49	19.31	19.49	19.37		
20	64QAM	1	99	19.31	19.39	19.33		
20	64QAM	50	0	19.39	19.45	19.30		
20	64QAM	50	24	19.45	19.50	19.34	21	0
20	64QAM	50	50	19.31	19.37	19.29		
20	64QAM	100	0	19.35	19.32	19.28		
20	256QAM	1	0	17.49	17.55	17.40	19	2
20	256QAM	1	49	17.25	17.34	17.28		
20	256QAM	1	99	17.45	17.31	17.29		
20	256QAM	50	0	17.44	17.55	17.31		
20	256QAM	50	24	17.50	17.48	17.37	19	2
20	256QAM	50	50	17.23	17.35	17.32		
20	256QAM	100	0	17.37	17.45	17.29		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.26	19.44	19.27	21	0
15	QPSK	1	37	19.06	19.26	19.17		
15	QPSK	1	74	19.20	19.18	19.04		
15	QPSK	36	0	19.26	19.20	19.18	21	0
15	QPSK	36	20	19.17	19.19	19.08		
15	QPSK	36	39	19.20	19.08	19.12		
15	QPSK	75	0	19.21	19.30	19.09		
15	16QAM	1	0	19.16	19.10	19.13	21	0
15	16QAM	1	37	19.16	19.20	19.11		
15	16QAM	1	74	19.18	19.25	19.17		
15	16QAM	36	0	19.06	19.21	19.16	21	0
15	16QAM	36	20	19.27	19.14	19.08		
15	16QAM	36	39	19.41	19.26	19.30		
15	16QAM	75	0	19.28	19.23	19.43		
15	64QAM	1	0	19.37	19.41	19.29	21	0
15	64QAM	1	37	19.53	19.43	19.37		
15	64QAM	1	74	19.31	19.34	19.33		
15	64QAM	36	0	19.41	19.37	19.32	21	0
15	64QAM	36	20	19.41	19.51	19.33		
15	64QAM	36	39	19.31	19.38	19.30		
15	64QAM	75	0	19.34	19.33	19.31		
15	256QAM	1	0	17.44	17.47	17.37	19	2
15	256QAM	1	37	17.27	17.32	17.21		
15	256QAM	1	74	17.42	17.28	17.24		
15	256QAM	36	0	17.37	17.49	17.33	19	2
15	256QAM	36	20	17.55	17.40	17.42		
15	256QAM	36	39	17.21	17.35	17.31		
15	256QAM	75	0	17.35	17.48	17.20		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.26	19.39	19.26	21	0
10	QPSK	1	25	19.06	19.19	19.15		
10	QPSK	1	49	19.13	19.07	19.17		
10	QPSK	25	0	19.35	19.25	19.14	21	0
10	QPSK	25	12	19.22	19.25	19.15		
10	QPSK	25	25	19.15	19.16	19.01		
10	QPSK	50	0	19.19	19.35	19.16		
10	16QAM	1	0	19.13	19.15	19.22	21	0
10	16QAM	1	25	19.13	19.09	19.06		
10	16QAM	1	49	19.17	19.33	19.21		
10	16QAM	25	0	19.16	19.19	19.17	21	0
10	16QAM	25	12	19.30	19.15	19.01		
10	16QAM	25	25	19.36	19.21	19.36		
10	16QAM	50	0	19.27	19.27	19.33		
10	64QAM	1	0	19.30	19.37	19.30	21	0
10	64QAM	1	25	19.50	19.48	19.40		
10	64QAM	1	49	19.33	19.35	19.35		
10	64QAM	25	0	19.41	19.45	19.24	21	0
10	64QAM	25	12	19.38	19.43	19.39		
10	64QAM	25	25	19.36	19.33	19.23		
10	64QAM	50	0	19.38	19.28	19.24		
10	256QAM	1	0	17.45	17.50	17.38	19	2
10	256QAM	1	25	17.26	17.25	17.27		
10	256QAM	1	49	17.38	17.31	17.22		
10	256QAM	25	0	17.48	17.51	17.39	19	2
10	256QAM	25	12	17.49	17.39	17.41		
10	256QAM	25	25	17.14	17.39	17.31		
10	256QAM	50	0	17.35	17.48	17.21		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.20	19.31	19.20	21	0
5	QPSK	1	12	19.08	19.25	19.24		
5	QPSK	1	24	19.17	19.06	19.11		
5	QPSK	12	0	19.20	19.19	19.26	21	0
5	QPSK	12	7	19.21	19.23	19.09		
5	QPSK	12	13	19.20	19.08	19.04		
5	QPSK	25	0	19.13	19.37	19.19		
5	16QAM	1	0	19.24	19.19	19.17	21	0
5	16QAM	1	12	19.16	19.11	19.12		
5	16QAM	1	24	19.13	19.36	19.16		
5	16QAM	12	0	19.08	19.13	19.15	21	0
5	16QAM	12	7	19.21	19.16	19.12		
5	16QAM	12	13	19.48	19.21	19.35		
5	16QAM	25	0	19.21	19.34	19.36		
5	64QAM	1	0	19.37	19.35	19.30	21	0
5	64QAM	1	12	19.47	19.41	19.29		
5	64QAM	1	24	19.23	19.31	19.24		
5	64QAM	12	0	19.32	19.37	19.24	21	0
5	64QAM	12	7	19.44	19.45	19.30		
5	64QAM	12	13	19.36	19.39	19.28		
5	64QAM	25	0	19.33	19.28	19.28		
5	256QAM	1	0	17.50	17.55	17.35	19	2
5	256QAM	1	12	17.20	17.27	17.24		
5	256QAM	1	24	17.36	17.30	17.20		
5	256QAM	12	0	17.40	17.52	17.27	19	2
5	256QAM	12	7	17.46	17.49	17.28		
5	256QAM	12	13	17.25	17.40	17.26		
5	256QAM	25	0	17.36	17.49	17.26		

Band 38_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	15.43	15.58	15.51	16.5	0
20	QPSK	1	49	15.43	15.43	15.46		
20	QPSK	1	99	15.44	15.46	15.44		
20	QPSK	50	0	15.35	15.56	15.54		
20	QPSK	50	24	15.41	15.46	15.55	16.5	0
20	QPSK	50	50	15.45	15.53	15.47		
20	QPSK	100	0	15.34	15.53	15.50		
20	16QAM	1	0	15.42	15.49	15.54	16.5	0
20	16QAM	1	49	15.44	15.46	15.48		
20	16QAM	1	99	15.37	15.47	15.47		
20	16QAM	50	0	15.42	15.52	15.52		
20	16QAM	50	24	15.38	15.50	15.47	16.5	0
20	16QAM	50	50	15.34	15.43	15.57		
20	16QAM	100	0	15.44	15.50	15.43		
20	64QAM	1	0	15.40	15.47	15.48	16.5	0
20	64QAM	1	49	15.44	15.53	15.53		
20	64QAM	1	99	15.42	15.55	15.56		
20	64QAM	50	0	15.41	15.48	15.57		
20	64QAM	50	24	15.41	15.48	15.48	16.5	0
20	64QAM	50	50	15.40	15.53	15.51		
20	64QAM	100	0	15.32	15.51	15.47		
20	256QAM	1	0	15.33	15.46	15.54	16.5	0
20	256QAM	1	49	15.32	15.43	15.57		
20	256QAM	1	99	15.34	15.46	15.48		
20	256QAM	50	0	15.45	15.45	15.45		
20	256QAM	50	24	15.33	15.45	15.45	16.5	0
20	256QAM	50	50	15.32	15.56	15.48		
20	256QAM	100	0	15.44	15.56	15.43		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	15.31	15.56	15.38	16.5	0
15	QPSK	1	37	15.39	15.34	15.39		
15	QPSK	1	74	15.34	15.39	15.31		
15	QPSK	36	0	15.26	15.50	15.51	16.5	0
15	QPSK	36	20	15.29	15.43	15.48		
15	QPSK	36	39	15.37	15.51	15.41		
15	QPSK	75	0	15.27	15.52	15.38		
15	16QAM	1	0	15.28	15.43	15.43	16.5	0
15	16QAM	1	37	15.29	15.43	15.37		
15	16QAM	1	74	15.24	15.35	15.39		
15	16QAM	36	0	15.30	15.42	15.51	16.5	0
15	16QAM	36	20	15.26	15.42	15.46		
15	16QAM	36	39	15.32	15.42	15.54		
15	16QAM	75	0	15.33	15.42	15.29		
15	64QAM	1	0	15.37	15.39	15.34	16.5	0
15	64QAM	1	37	15.35	15.48	15.45		
15	64QAM	1	74	15.34	15.41	15.52		
15	64QAM	36	0	15.39	15.35	15.54	16.5	0
15	64QAM	36	20	15.32	15.38	15.37		
15	64QAM	36	39	15.27	15.48	15.36		
15	64QAM	75	0	15.21	15.44	15.36		
15	256QAM	1	0	15.32	15.34	15.45	16.5	0
15	256QAM	1	37	15.26	15.34	15.56		
15	256QAM	1	74	15.29	15.42	15.46		
15	256QAM	36	0	15.39	15.34	15.44	16.5	0
15	256QAM	36	20	15.18	15.32	15.37		
15	256QAM	36	39	15.21	15.49	15.47		
15	256QAM	75	0	15.35	15.41	15.33		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	15.31	15.58	15.38	16.5	0
10	QPSK	1	25	15.39	15.34	15.39		
10	QPSK	1	49	15.34	15.39	15.31		
10	QPSK	25	0	15.26	15.50	15.51	16.5	0
10	QPSK	25	12	15.29	15.43	15.46		
10	QPSK	25	25	15.37	15.51	15.41		
10	QPSK	50	0	15.27	15.52	15.38		
10	16QAM	1	0	15.28	15.43	15.43	16.5	0
10	16QAM	1	25	15.29	15.43	15.37		
10	16QAM	1	49	15.24	15.35	15.39		
10	16QAM	25	0	15.30	15.42	15.51	16.5	0
10	16QAM	25	12	15.26	15.42	15.46		
10	16QAM	25	25	15.32	15.42	15.54		
10	16QAM	50	0	15.33	15.42	15.29		
10	64QAM	1	0	15.37	15.39	15.34	16.5	0
10	64QAM	1	25	15.35	15.48	15.45		
10	64QAM	1	49	15.34	15.41	15.52		
10	64QAM	25	0	15.39	15.35	15.54	16.5	0
10	64QAM	25	12	15.32	15.38	15.37		
10	64QAM	25	25	15.27	15.48	15.36		
10	64QAM	50	0	15.21	15.45	15.36		
10	256QAM	1	0	15.32	15.34	15.45	16.5	0
10	256QAM	1	25	15.26	15.34	15.56		
10	256QAM	1	49	15.29	15.42	15.46		
10	256QAM	25	0	15.39	15.34	15.44	16.5	0
10	256QAM	25	12	15.18	15.32	15.37		
10	256QAM	25	25	15.21	15.45	15.47		
10	256QAM	50	0	15.35	15.41	15.33		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	15.31	15.56	15.38	16.5	0
5	QPSK	1	12	15.39	15.34	15.39		
5	QPSK	1	24	15.34	15.39	15.31		
5	QPSK	12	0	15.26	15.50	15.51	16.5	0
5	QPSK	12	7	15.29	15.43	15.46		
5	QPSK	12	13	15.37	15.51	15.41		
5	QPSK	25	0	15.27	15.52	15.38		
5	16QAM	1	0	15.28	15.43	15.43	16.5	0
5	16QAM	1	12	15.29	15.43	15.37		
5	16QAM	1	24	15.24	15.35	15.39		
5	16QAM	12	0	15.30	15.42	15.51	16.5	0
5	16QAM	12	7	15.26	15.42	15.46		
5	16QAM	12	13	15.32	15.42	15.54		
5	16QAM	25	0	15.29	15.42	15.29		
5	64QAM	1	0	15.37	15.39	15.34	16.5	0
5	64QAM	1	12	15.35	15.48	15.45		
5	64QAM	1	24	15.34	15.41	15.52		
5	64QAM	12	0	15.39	15.35	15.54	16.5	0
5	64QAM	12	7	15.32	15.38	15.37		
5	64QAM	12	13	15.27	15.48	15.36		
5	64QAM	25	0	15.21	15.44	15.36		
5	256QAM	1	0	15.32	15.34	15.45	16.5	0
5	256QAM	1	12	15.26	15.34	15.56		
5	256QAM	1	24	15.29	15.42	15.46		
5	256QAM	12	0	15.39	15.34	15.44	16.5	0
5	256QAM	12	7	15.18	15.32	15.37		
5	256QAM	12	13	15.21	15.45	15.47		
5	256QAM	25	0	15.35	15.41	15.33		

Band 41_Ant 1(ENDC)

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	19.70	19.81	19.85	19.62	19.35	21	0
20	QPSK	1	49	19.63	19.65	19.63	19.36	19.28		
20	QPSK	1	99	19.52	19.58	19.62	19.40	19.25		
20	QPSK	50	0	19.80	19.69	19.81	19.55	19.43	21	0
20	QPSK	50	24	19.57	19.61	19.61	19.31	19.17		
20	QPSK	50	50	19.48	19.47	19.58	19.41	19.30		
20	QPSK	100	0	19.68	19.72	19.79	19.57	19.45		
20	16QAM	1	0	19.64	19.65	19.75	19.45	19.14	21	0
20	16QAM	1	49	19.56	19.56	19.66	19.42	19.28		
20	16QAM	1	99	19.82	19.72	19.84	19.57	19.41		
20	16QAM	50	0	19.64	19.57	19.66	19.32	19.21	21	0
20	16QAM	50	24	19.60	19.48	19.60	19.36	19.25		
20	16QAM	50	50	19.70	19.69	19.72	19.69	19.28		
20	16QAM	100	0	19.61	19.57	19.73	19.40	19.25		
20	64QAM	1	0	19.57	19.61	19.60	19.45	19.33	21	0
20	64QAM	1	49	19.68	19.75	19.84	19.63	19.37		
20	64QAM	1	99	19.65	19.67	19.74	19.31	19.24		
20	64QAM	50	0	19.55	19.52	19.64	19.38	19.28	21	0
20	64QAM	50	24	19.70	19.67	19.79	19.61	19.43		
20	64QAM	50	50	19.58	19.67	19.64	19.29	19.21		
20	64QAM	100	0	19.55	19.59	19.57	19.43	19.18		
20	256QAM	1	0	17.69	17.76	17.78	17.74	17.34	19	2
20	256QAM	1	49	17.52	17.69	17.63	17.40	17.27		
20	256QAM	1	99	17.54	17.52	17.53	17.39	17.30		
20	256QAM	50	0	17.75	17.71	17.72	17.72	17.38	19	2
20	256QAM	50	24	17.77	17.80	17.70	17.65	17.37		
20	256QAM	50	50	17.62	17.67	17.66	17.37	17.17		
20	256QAM	100	0	17.48	17.56	17.57	17.46	17.32		
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	19.46	19.66	19.57	19.50	19.16	21	0
15	QPSK	1	37	19.50	19.40	19.39	19.17	19.11		
15	QPSK	1	74	19.40	19.40	19.38	19.20	19.13		
15	QPSK	36	0	19.64	19.57	19.63	19.55	19.36	21	0
15	QPSK	36	20	19.43	19.50	19.40	19.15	19.16		
15	QPSK	36	39	19.34	19.23	19.40	19.39	19.17		
15	QPSK	75	0	19.47	19.48	19.60	19.42	19.42		
15	16QAM	1	0	19.44	19.46	19.59	19.37	19.11	21	0
15	16QAM	1	37	19.45	19.43	19.48	19.29	19.18		
15	16QAM	1	74	19.59	19.48	19.73	19.46	19.27		
15	16QAM	36	0	19.49	19.42	19.44	19.23	19.06	21	0
15	16QAM	36	20	19.38	19.31	19.44	19.31	19.21		
15	16QAM	36	39	19.70	19.44	19.76	19.52	19.16		
15	16QAM	75	0	19.64	19.61	19.64	19.23	19.05		
15	64QAM	1	0	19.57	19.57	19.52	19.26	19.25	21	0
15	64QAM	1	37	19.71	19.69	19.76	19.63	19.21		
15	64QAM	1	74	19.57	19.66	19.78	19.11	19.17		
15	64QAM	36	0	19.56	19.45	19.63	19.31	19.17	21	0
15	64QAM	36	20	19.75	19.62	19.70	19.46	19.39		
15	64QAM	36	39	19.49	19.60	19.55	19.20	19.15		
15	64QAM	75	0	19.48	19.51	19.58	19.33	19.13		
15	256QAM	1	0	17.64	17.67	17.73	17.66	17.28	19	2
15	256QAM	1	37	17.47	17.68	17.56	17.35	17.20		
15	256QAM	1	74	17.50	17.45	17.49	17.21	17.19		
15	256QAM	36	0	17.73	17.73	17.67	17.57	17.35	19	2
15	256QAM	36	20	17.78	17.81	17.65	17.55	17.37		
15	256QAM	36	39	17.63	17.69	17.63	17.35	17.15		
15	256QAM	75	0	17.53	17.59	17.50	17.34	17.16		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	19.54	19.57	19.60	19.60	19.33	21.00	0
10	QPSK	1	25	19.52	19.45	19.40	19.31	19.18		
10	QPSK	1	49	19.41	19.44	19.44	19.25	19.14		
10	QPSK	25	0	19.56	19.55	19.67	19.53	19.38	21	0
10	QPSK	25	12	19.44	19.50	19.36	19.16	19.01		
10	QPSK	25	25	19.26	19.22	19.44	19.26	19.27		
10	QPSK	50	0	19.51	19.57	19.62	19.52	19.26		
10	16QAM	1	0	19.45	19.42	19.64	19.28	19.03	21	0
10	16QAM	1	25	19.38	19.42	19.50	19.37	19.19		
10	16QAM	1	49	19.69	19.57	19.61	19.38	19.27		
10	16QAM	25	0	19.52	19.39	19.46	19.22	19.21	21	0
10	16QAM	25	12	19.36	19.33	19.43	19.23	19.13		
10	16QAM	25	25	19.68	19.50	19.68	19.63	19.14		
10	16QAM	50	0	19.63	19.52	19.67	19.27	19.08		
10	64QAM	1	0	19.59	19.63	19.54	19.25	19.24	21	0
10	64QAM	1	25	19.64	19.66	19.75	19.57	19.18		
10	64QAM	1	49	19.59	19.59	19.67	19.25	19.10		
10	64QAM	25	0	19.52	19.54	19.55	19.18	19.16	21	0
10	64QAM	25	12	19.72	19.60	19.71	19.57	19.36		
10	64QAM	25	25	19.53	19.72	19.58	19.23	19.01		
10	64QAM	50	0	19.58	19.54	19.61	19.24	19.02		
10	256QAM	1	0	17.72	17.67	17.79	17.71	17.15	19	2
10	256QAM	1	25	17.54	17.62	17.62	17.36	17.14		
10	256QAM	1	49	17.52	17.52	17.55	17.33	17.12		
10	256QAM	25	0	17.80	17.67	17.65	17.63	17.18	19	2
10	256QAM	25	12	17.69	17.73	17.68	17.63	17.37		
10	256QAM	25	25	17.67	17.60	17.64	17.32	17.17		
10	256QAM	50	0	17.47	17.59	17.58	17.43	17.23		
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	19.53	19.68	19.55	19.50	19.24	21.00	0
5	QPSK	1	12	19.52	19.48	19.51	19.36	19.16		
5	QPSK	1	24	19.27	19.39	19.46	19.34	19.10		
5	QPSK	12	0	19.62	19.50	19.56	19.40	19.40	21	0
5	QPSK	12	7	19.42	19.40	19.36	19.31	19.09		
5	QPSK	12	13	19.24	19.27	19.39	19.40	19.12		
5	QPSK	25	0	19.55	19.58	19.64	19.53	19.44		
5	16QAM	1	0	19.41	19.44	19.55	19.27	19.03	21	0
5	16QAM	1	12	19.36	19.31	19.52	19.28	19.28		
5	16QAM	1	24	19.59	19.50	19.68	19.47	19.35		
5	16QAM	12	0	19.39	19.34	19.46	19.14	19.13	21	0
5	16QAM	12	7	19.39	19.35	19.48	19.21	19.23		
5	16QAM	12	13	19.74	19.45	19.66	19.62	19.20		
5	16QAM	25	0	19.53	19.62	19.69	19.21	19.18		
5	64QAM	1	0	19.54	19.58	19.57	19.29	19.15	21	0
5	64QAM	1	12	19.64	19.72	19.82	19.43	19.31		
5	64QAM	1	24	19.67	19.65	19.74	19.29	19.06		
5	64QAM	12	0	19.56	19.47	19.60	19.31	19.26	21	0
5	64QAM	12	7	19.69	19.58	19.77	19.50	19.35		
5	64QAM	12	13	19.51	19.70	19.62	19.20	19.13		
5	64QAM	25	0	19.49	19.55	19.57	19.31	19.05		
5	256QAM	1	0	17.68	17.79	17.74	17.54	17.33	19	2
5	256QAM	1	12	17.57	17.65	17.55	17.34	17.07		
5	256QAM	1	24	17.56	17.44	17.56	17.36	17.15		
5	256QAM	12	0	17.72	17.71	17.71	17.72	17.22	19	2
5	256QAM	12	7	17.68	17.78	17.71	17.56	17.21		
5	256QAM	12	13	17.61	17.63	17.69	17.26	17.09		
5	256QAM	25	0	17.51	17.47	17.60	17.44	17.12		

Band 41_Ant 4

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	15.64	15.73	15.74	15.62	15.65	16.5	0
20	QPSK	1	49	15.48	15.52	15.60	15.47	15.49		
20	QPSK	1	99	15.62	15.65	15.70	15.68	15.50		
20	QPSK	50	0	15.50	15.66	15.70	15.48	15.54	16.5	0
20	QPSK	50	24	15.42	15.39	15.53	15.41	15.37		
20	QPSK	50	50	15.47	15.52	15.66	15.56	15.45		
20	QPSK	100	0	15.53	15.67	15.69	15.53	15.50		
20	16QAM	1	0	15.43	15.48	15.58	15.43	15.36	16.5	0
20	16QAM	1	49	15.49	15.51	15.62	15.56	15.37		
20	16QAM	1	99	15.54	15.72	15.71	15.55	15.64		
20	16QAM	50	0	15.43	15.37	15.46	15.44	15.37	16.5	0
20	16QAM	50	24	15.59	15.58	15.64	15.57	15.49		
20	16QAM	50	50	15.53	15.67	15.72	15.59	15.63		
20	16QAM	100	0	15.43	15.37	15.59	15.35	15.39		
20	64QAM	1	0	15.56	15.55	15.60	15.66	15.42	16.5	0
20	64QAM	1	49	15.51	15.59	15.68	15.59	15.50		
20	64QAM	1	99	15.47	15.38	15.55	15.36	15.34		
20	64QAM	50	0	15.51	15.58	15.55	15.54	15.47	16.5	0
20	64QAM	50	24	15.61	15.67	15.68	15.47	15.61		
20	64QAM	50	50	15.38	15.44	15.55	15.35	15.38		
20	64QAM	100	0	15.55	15.59	15.62	15.57	15.40		
20	256QAM	1	0	15.52	15.63	15.65	15.60	15.59	16.5	0
20	256QAM	1	49	15.43	15.45	15.57	15.39	15.42		
20	256QAM	1	99	15.47	15.60	15.59	15.63	15.40		
20	256QAM	50	0	15.56	15.65	15.72	15.47	15.56	16.5	0
20	256QAM	50	24	15.51	15.59	15.58	15.57	15.50		
20	256QAM	50	50	15.45	15.42	15.50	15.36	15.45		
20	256QAM	100	0	15.54	15.54	15.60	15.58	15.46		
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	15.41	15.61	15.66	15.38	15.40	16.50	0
15	QPSK	1	37	15.29	15.26	15.42	15.28	15.32		
15	QPSK	1	74	15.42	15.45	15.64	15.43	15.33		
15	QPSK	36	0	15.41	15.54	15.66	15.51	15.37	16.5	0
15	QPSK	36	20	15.36	15.36	15.49	15.33	15.27		
15	QPSK	36	39	15.34	15.41	15.61	15.50	15.26		
15	QPSK	75	0	15.45	15.58	15.63	15.43	15.54		
15	16QAM	1	0	15.30	15.35	15.44	15.37	15.36	16.5	0
15	16QAM	1	37	15.51	15.51	15.63	15.55	15.34		
15	16QAM	1	74	15.38	15.56	15.69	15.46	15.60		
15	16QAM	36	0	15.29	15.22	15.51	15.28	15.25	16.5	0
15	16QAM	36	20	15.45	15.47	15.45	15.55	15.37		
15	16QAM	36	39	15.44	15.48	15.55	15.53	15.36		
15	16QAM	75	0	15.33	15.36	15.51	15.26	15.31		
15	64QAM	1	0	15.40	15.44	15.53	15.48	15.42	16.5	0
15	64QAM	1	37	15.60	15.63	15.56	15.32	15.55		
15	64QAM	1	74	15.24	15.43	15.53	15.28	15.34		
15	64QAM	36	0	15.47	15.54	15.56	15.45	15.27	16.5	0
15	64QAM	36	20	15.45	15.61	15.57	15.57	15.48		
15	64QAM	36	39	15.40	15.32	15.47	15.34	15.28		
15	64QAM	75	0	15.32	15.56	15.50	15.54	15.39		
15	256QAM	1	0	15.53	15.50	15.69	15.39	15.41	16.5	0
15	256QAM	1	37	15.42	15.53	15.43	15.51	15.39		
15	256QAM	1	74	15.39	15.36	15.41	15.27	15.32		
15	256QAM	36	0	15.46	15.45	15.51	15.56	15.40	16.5	0
15	256QAM	36	20	15.41	15.59	15.55	15.37	15.50		
15	256QAM	36	39	15.30	15.34	15.43	15.40	15.25		
15	256QAM	75	0	15.40	15.43	15.60	15.43	15.43		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	15.26	15.60	15.52	15.27	15.25	16.50	0
10	QPSK	1	25	15.23	15.13	15.30	15.24	15.20		
10	QPSK	1	49	15.37	15.30	15.58	15.39	15.30		
10	QPSK	25	0	15.37	15.39	15.51	15.41	15.36	16.5	0
10	QPSK	25	12	15.23	15.23	15.43	15.25	15.25		
10	QPSK	25	25	15.24	15.29	15.52	15.46	15.21		
10	QPSK	50	0	15.34	15.50	15.56	15.32	15.47		
10	16QAM	1	0	15.27	15.30	15.33	15.24	15.21	16.5	0
10	16QAM	1	25	15.46	15.39	15.58	15.51	15.23		
10	16QAM	1	49	15.28	15.42	15.67	15.35	15.48		
10	16QAM	25	0	15.17	15.10	15.44	15.15	15.20	16.5	0
10	16QAM	25	12	15.31	15.41	15.40	15.50	15.25		
10	16QAM	25	25	15.37	15.41	15.49	15.44	15.21		
10	16QAM	50	0	15.29	15.33	15.45	15.14	15.27		
10	64QAM	1	0	15.37	15.40	15.38	15.47	15.36	16.5	0
10	64QAM	1	25	15.58	15.51	15.50	15.17	15.54		
10	64QAM	1	49	15.13	15.33	15.44	15.15	15.25		
10	64QAM	25	0	15.33	15.47	15.49	15.41	15.24	16.5	0
10	64QAM	25	12	15.40	15.47	15.54	15.45	15.43		
10	64QAM	25	25	15.39	15.30	15.38	15.29	15.17		
10	64QAM	50	0	15.31	15.50	15.46	15.49	15.30		
10	256QAM	1	0	15.48	15.42	15.55	15.34	15.32	16.5	0
10	256QAM	1	25	15.35	15.47	15.31	15.39	15.25		
10	256QAM	1	49	15.37	15.34	15.31	15.25	15.26		
10	256QAM	25	0	15.31	15.43	15.46	15.42	15.32	16.5	0
10	256QAM	25	12	15.35	15.49	15.41	15.30	15.43		
10	256QAM	25	25	15.16	15.23	15.37	15.39	15.12		
10	256QAM	50	0	15.36	15.41	15.54	15.34	15.37		
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	15.40	15.49	15.55	15.37	15.32	16.50	0
5	QPSK	1	12	15.17	15.13	15.37	15.19	15.31		
5	QPSK	1	24	15.30	15.38	15.57	15.30	15.31		
5	QPSK	12	0	15.27	15.46	15.51	15.47	15.35	16.5	0
5	QPSK	12	7	15.30	15.29	15.41	15.31	15.25		
5	QPSK	12	13	15.32	15.32	15.56	15.45	15.24		
5	QPSK	25	0	15.41	15.46	15.55	15.41	15.47		
5	16QAM	1	0	15.23	15.24	15.36	15.25	15.23	16.5	0
5	16QAM	1	12	15.47	15.45	15.50	15.45	15.33		
5	16QAM	1	24	15.35	15.49	15.55	15.40	15.50		
5	16QAM	12	0	15.22	15.13	15.49	15.15	15.21	16.5	0
5	16QAM	12	7	15.43	15.33	15.30	15.50	15.31		
5	16QAM	12	13	15.37	15.37	15.43	15.49	15.24		
5	16QAM	25	0	15.28	15.30	15.45	15.24	15.17		
5	64QAM	1	0	15.28	15.34	15.44	15.40	15.29	16.5	0
5	64QAM	1	12	15.50	15.58	15.52	15.24	15.43		
5	64QAM	1	24	15.15	15.41	15.51	15.22	15.23		
5	64QAM	12	0	15.38	15.50	15.41	15.30	15.14	16.5	0
5	64QAM	12	7	15.34	15.53	15.52	15.51	15.33		
5	64QAM	12	13	15.32	15.24	15.45	15.27	15.17		
5	64QAM	25	0	15.22	15.41	15.37	15.50	15.29		
5	256QAM	1	0	15.50	15.37	15.58	15.24	15.39	16.5	0
5	256QAM	1	12	15.40	15.39	15.34	15.37	15.32		
5	256QAM	1	24	15.28	15.35	15.35	15.17	15.22		
5	256QAM	12	0	15.37	15.42	15.47	15.48	15.26	16.5	0
5	256QAM	12	7	15.28	15.45	15.41	15.32	15.40		
5	256QAM	12	13	15.18	15.33	15.32	15.29	15.19		
5	256QAM	25	0	15.38	15.37	15.58	15.29	15.29		

Band 41_HPUE_Ant 4

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	17.49	17.48	17.66	17.44	17.53	18.1	0
20	QPSK	1	49	17.36	17.45	17.38	17.40	17.41		
20	QPSK	1	99	17.36	17.32	17.52	17.57	17.42		
20	QPSK	50	0	17.35	17.43	17.61	17.41	17.41	18.1	0
20	QPSK	50	24	17.30	17.39	17.27	17.38	17.36		
20	QPSK	50	50	17.24	17.23	17.42	17.51	17.27		
20	QPSK	100	0	17.40	17.35	17.56	17.34	17.41		
20	16QAM	1	0	17.27	17.34	17.33	17.37	17.39	18.1	0
20	16QAM	1	49	17.22	17.31	17.42	17.43	17.36		
20	16QAM	1	99	17.36	17.33	17.56	17.35	17.41		
20	16QAM	50	0	17.31	17.42	17.33	17.25	17.26	18.1	0
20	16QAM	50	24	17.33	17.29	17.47	17.50	17.40		
20	16QAM	50	50	17.44	17.41	17.56	17.42	17.52		
20	16QAM	100	0	17.34	17.40	17.23	17.25	17.34		
20	64QAM	1	0	17.35	17.24	17.39	17.52	17.36	18.1	0
20	64QAM	1	49	17.42	17.45	17.63	17.30	17.51		
20	64QAM	1	99	17.31	17.32	17.28	17.38	17.30		
20	64QAM	50	0	17.30	17.20	17.44	17.49	17.29	18.1	0
20	64QAM	50	24	17.38	17.36	17.62	17.43	17.40		
20	64QAM	50	50	17.33	17.40	17.31	17.30	17.32		
20	64QAM	100	0	17.28	17.18	17.41	17.56	17.32		
20	256QAM	1	0	17.37	17.36	17.58	17.39	17.51	18.1	0
20	256QAM	1	49	17.25	17.40	17.23	17.39	17.27		
20	256QAM	1	99	17.27	17.27	17.42	17.52	17.35		
20	256QAM	50	0	17.38	17.35	17.58	17.35	17.51	18.1	0
20	256QAM	50	24	17.34	17.40	17.59	17.40	17.43		
20	256QAM	50	50	17.29	17.30	17.37	17.27	17.35		
20	256QAM	100	0	17.31	17.29	17.41	17.46	17.39		
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	17.48	17.47	17.53	17.34	17.50	18.10	0
15	QPSK	1	37	17.22	17.32	17.34	17.36	17.26		
15	QPSK	1	74	17.34	17.25	17.41	17.43	17.32		
15	QPSK	36	0	17.29	17.37	17.49	17.35	17.27	18.1	0
15	QPSK	36	20	17.28	17.35	17.24	17.25	17.26		
15	QPSK	36	39	17.10	17.21	17.33	17.49	17.15		
15	QPSK	75	0	17.37	17.27	17.43	17.24	17.38		
15	16QAM	1	0	17.26	17.22	17.32	17.26	17.26	18.1	0
15	16QAM	1	37	17.10	17.29	17.35	17.30	17.26		
15	16QAM	1	74	17.23	17.18	17.52	17.21	17.32		
15	16QAM	36	0	17.29	17.39	17.22	17.14	17.23	18.1	0
15	16QAM	36	20	17.22	17.17	17.41	17.40	17.39		
15	16QAM	36	39	17.38	17.37	17.50	17.32	17.51		
15	16QAM	75	0	17.30	17.31	17.21	17.22	17.23		
15	64QAM	1	0	17.22	17.20	17.34	17.45	17.33	18.1	0
15	64QAM	1	37	17.29	17.34	17.58	17.17	17.49		
15	64QAM	1	74	17.23	17.18	17.13	17.36	17.17		
15	64QAM	36	0	17.27	17.13	17.40	17.46	17.27	18.1	0
15	64QAM	36	20	17.24	17.33	17.49	17.42	17.32		
15	64QAM	36	39	17.23	17.25	17.25	17.25	17.31		
15	64QAM	75	0	17.15	17.05	17.31	17.41	17.29		
15	256QAM	1	0	17.31	17.24	17.57	17.31	17.40	18.1	0
15	256QAM	1	37	17.17	17.28	17.08	17.36	17.24		
15	256QAM	1	74	17.24	17.13	17.37	17.45	17.20		
15	256QAM	36	0	17.37	17.34	17.52	17.24	17.48	18.1	0
15	256QAM	36	20	17.29	17.32	17.49	17.27	17.35		
15	256QAM	36	39	17.28	17.17	17.30	17.14	17.28		
15	256QAM	75	0	17.26	17.26	17.28	17.42	17.37		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	17.34	17.38	17.54	17.42	17.52	18.10	0
10	QPSK	1	25	17.26	17.37	17.26	17.25	17.36		
10	QPSK	1	49	17.30	17.20	17.49	17.45	17.41		
10	QPSK	25	0	17.32	17.31	17.50	17.30	17.28	18.1	0
10	QPSK	25	12	17.28	17.38	17.18	17.23	17.28		
10	QPSK	25	25	17.21	17.21	17.36	17.42	17.21		
10	QPSK	50	0	17.29	17.32	17.55	17.26	17.31		
10	16QAM	1	0	17.25	17.27	17.23	17.28	17.26	18.1	0
10	16QAM	1	25	17.16	17.17	17.28	17.30	17.31		
10	16QAM	1	49	17.21	17.27	17.48	17.21	17.30		
10	16QAM	25	0	17.29	17.40	17.19	17.23	17.25	18.1	0
10	16QAM	25	12	17.26	17.18	17.39	17.47	17.31		
10	16QAM	25	25	17.35	17.37	17.48	17.35	17.47		
10	16QAM	50	0	17.33	17.29	17.15	17.20	17.28		
10	64QAM	1	0	17.27	17.19	17.31	17.46	17.22	18.1	0
10	64QAM	1	25	17.41	17.42	17.60	17.17	17.47		
10	64QAM	1	49	17.21	17.20	17.21	17.34	17.17		
10	64QAM	25	0	17.19	17.16	17.33	17.35	17.19	18.1	0
10	64QAM	25	12	17.28	17.26	17.52	17.35	17.29		
10	64QAM	25	25	17.26	17.32	17.26	17.28	17.23		
10	64QAM	50	0	17.24	17.05	17.30	17.50	17.20		
10	256QAM	1	0	17.34	17.22	17.46	17.32	17.47	18.1	0
10	256QAM	1	25	17.14	17.25	17.09	17.30	17.17		
10	256QAM	1	49	17.25	17.19	17.34	17.43	17.34		
10	256QAM	25	0	17.29	17.29	17.53	17.25	17.44	18.1	0
10	256QAM	25	12	17.31	17.25	17.52	17.32	17.33		
10	256QAM	25	25	17.21	17.24	17.35	17.19	17.32		
10	256QAM	50	0	17.24	17.27	17.26	17.36	17.29		
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	17.38	17.44	17.59	17.43	17.43	18.10	0
5	QPSK	1	12	17.21	17.39	17.32	17.34	17.28		
5	QPSK	1	24	17.34	17.23	17.47	17.42	17.35		
5	QPSK	12	0	17.30	17.39	17.53	17.39	17.31	18.1	0
5	QPSK	12	7	17.16	17.29	17.14	17.23	17.23		
5	QPSK	12	13	17.17	17.18	17.33	17.36	17.23		
5	QPSK	25	0	17.26	17.30	17.51	17.28	17.36		
5	16QAM	1	0	17.24	17.31	17.28	17.27	17.25	18.1	0
5	16QAM	1	12	17.07	17.25	17.38	17.36	17.30		
5	16QAM	1	24	17.21	17.23	17.42	17.20	17.40		
5	16QAM	12	0	17.29	17.35	17.27	17.12	17.24	18.1	0
5	16QAM	12	7	17.30	17.25	17.36	17.36	17.32		
5	16QAM	12	13	17.38	17.38	17.51	17.33	17.37		
5	16QAM	25	0	17.32	17.33	17.15	17.22	17.22		
5	64QAM	1	0	17.33	17.12	17.31	17.42	17.25	18.1	0
5	64QAM	1	12	17.32	17.40	17.61	17.26	17.45		
5	64QAM	1	24	17.17	17.31	17.13	17.23	17.19		
5	64QAM	12	0	17.19	17.06	17.38	17.41	17.28	18.1	0
5	64QAM	12	7	17.27	17.32	17.54	17.38	17.31		
5	64QAM	12	13	17.32	17.38	17.24	17.17	17.26		
5	64QAM	25	0	17.14	17.15	17.32	17.49	17.19		
5	256QAM	1	0	17.35	17.28	17.53	17.26	17.43	18.1	0
5	256QAM	1	12	17.13	17.27	17.13	17.37	17.15		
5	256QAM	1	24	17.13	17.26	17.40	17.49	17.29		
5	256QAM	12	0	17.27	17.32	17.52	17.33	17.47	18.1	0
5	256QAM	12	7	17.28	17.39	17.49	17.28	17.30		
5	256QAM	12	13	17.14	17.26	17.24	17.20	17.23		
5	256QAM	25	0	17.22	17.24	17.34	17.37	17.29		

Reduced Power for DSI 4

Band 7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.83	22.97	22.85	24	0
20	QPSK	1	49	22.73	22.95	22.73		
20	QPSK	1	99	22.72	22.89	22.81		
20	QPSK	50	0	21.80	21.91	21.81	23	1
20	QPSK	50	24	21.75	21.90	21.80		
20	QPSK	50	50	21.70	21.82	21.74		
20	QPSK	100	0	21.82	21.88	21.78		
20	16QAM	1	0	21.58	21.71	21.62	23	1
20	16QAM	1	49	21.59	21.70	21.58		
20	16QAM	1	99	21.56	21.66	21.59		
20	16QAM	50	0	20.40	20.49	20.40	22	2
20	16QAM	50	24	20.42	20.57	20.43		
20	16QAM	50	50	20.40	20.55	20.40		
20	16QAM	100	0	20.59	20.77	20.57		
20	64QAM	1	0	20.44	20.55	20.45	22	2
20	64QAM	1	49	20.46	20.52	20.42		
20	64QAM	1	99	20.46	20.46	20.44		
20	64QAM	50	0	19.25	19.43	19.36	21	3
20	64QAM	50	24	19.28	19.47	19.30		
20	64QAM	50	50	19.33	19.41	19.28		
20	64QAM	100	0	19.45	19.68	19.46		
20	256QAM	1	0	17.15	17.42	17.24	19	5
20	256QAM	1	49	17.18	17.42	17.25		
20	256QAM	1	99	17.18	17.36	17.16		
20	256QAM	50	0	17.34	17.58	17.44	19	5
20	256QAM	50	24	17.14	17.39	17.35		
20	256QAM	50	50	17.21	17.45	17.20		
20	256QAM	100	0	17.19	17.34	17.16		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.67	22.82	22.72	24	0
15	QPSK	1	37	22.58	22.74	22.61		
15	QPSK	1	74	22.48	22.70	22.58		
15	QPSK	36	0	21.65	21.71	21.59	23	1
15	QPSK	36	20	21.51	21.67	21.59		
15	QPSK	36	39	21.50	21.60	21.62		
15	QPSK	75	0	21.65	21.64	21.56		
15	16QAM	1	0	21.34	21.46	21.38	23	1
15	16QAM	1	37	21.42	21.58	21.40		
15	16QAM	1	74	21.42	21.52	21.37		
15	16QAM	36	0	20.25	20.34	20.20	22	2
15	16QAM	36	20	20.21	20.32	20.29		
15	16QAM	36	39	20.38	20.42	20.33		
15	16QAM	75	0	20.61	20.75	20.53		
15	64QAM	1	0	20.49	20.48	20.39	22	2
15	64QAM	1	37	20.43	20.50	20.45		
15	64QAM	1	74	20.49	20.38	20.49		
15	64QAM	36	0	19.23	19.45	19.36	21	3
15	64QAM	36	20	19.31	19.50	19.25		
15	64QAM	36	39	19.31	19.34	19.27		
15	64QAM	75	0	19.45	19.70	19.39		
15	256QAM	1	0	17.14	17.47	17.17	19	5
15	256QAM	1	37	17.13	17.46	17.25		
15	256QAM	1	74	17.15	17.37	17.08		
15	256QAM	36	0	17.32	17.60	17.38	19	5
15	256QAM	36	20	17.13	17.36	17.28		
15	256QAM	36	39	17.17	17.40	17.23		
15	256QAM	75	0	17.11	17.32	17.10		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.58	22.86	22.74	24	0
10	QPSK	1	25	22.55	22.70	22.52		
10	QPSK	1	49	22.56	22.77	22.56		
10	QPSK	25	0	21.62	21.74	21.66	23	1
10	QPSK	25	12	21.50	21.67	21.62		
10	QPSK	25	25	21.56	21.61	21.57		
10	QPSK	50	0	21.69	21.65	21.60		
10	16QAM	1	0	21.47	21.51	21.38	23	1
10	16QAM	1	25	21.44	21.50	21.36		
10	16QAM	1	49	21.44	21.44	21.36		
10	16QAM	25	0	20.15	20.30	20.20	22	2
10	16QAM	25	12	20.22	20.45	20.27		
10	16QAM	25	25	20.41	20.34	20.32		
10	16QAM	50	0	20.55	20.71	20.59		
10	64QAM	1	0	20.39	20.48	20.36	22	2
10	64QAM	1	25	20.42	20.57	20.44		
10	64QAM	1	49	20.42	20.43	20.46		
10	64QAM	25	0	19.28	19.48	19.28	21	3
10	64QAM	25	12	19.23	19.50	19.34		
10	64QAM	25	25	19.36	19.34	19.20		
10	64QAM	50	0	19.44	19.67	19.37		
10	256QAM	1	0	17.13	17.36	17.21	19	5
10	256QAM	1	25	17.09	17.46	17.28		
10	256QAM	1	49	17.11	17.41	17.21		
10	256QAM	25	0	17.30	17.62	17.38	19	5
10	256QAM	25	12	17.17	17.40	17.30		
10	256QAM	25	25	17.24	17.46	17.22		
10	256QAM	50	0	17.13	17.36	17.09		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.61	22.82	22.62	24	0
5	QPSK	1	12	22.50	22.76	22.60		
5	QPSK	1	24	22.56	22.67	22.70		
5	QPSK	12	0	21.59	21.79	21.68	23	1
5	QPSK	12	7	21.59	21.73	21.57		
5	QPSK	12	13	21.54	21.63	21.61		
5	QPSK	25	0	21.61	21.65	21.56		
5	16QAM	1	0	21.46	21.60	21.45	23	1
5	16QAM	1	12	21.48	21.46	21.35		
5	16QAM	1	24	21.36	21.48	21.35		
5	16QAM	12	0	20.27	20.29	20.29	22	2
5	16QAM	12	7	20.27	20.45	20.22		
5	16QAM	12	13	20.36	20.35	20.38		
5	16QAM	25	0	20.61	20.74	20.57		
5	64QAM	1	0	20.37	20.53	20.38	22	2
5	64QAM	1	12	20.47	20.49	20.43		
5	64QAM	1	24	20.38	20.41	20.35		
5	64QAM	12	0	19.19	19.35	19.31	21	3
5	64QAM	12	7	19.27	19.39	19.25		
5	64QAM	12	13	19.31	19.43	19.22		
5	64QAM	25	0	19.50	19.67	19.38		
5	256QAM	1	0	17.18	17.40	17.19	19	5
5	256QAM	1	12	17.15	17.36	17.28		
5	256QAM	1	24	17.19	17.41	17.09		
5	256QAM	12	0	17.38	17.62	17.48	19	5
5	256QAM	12	7	17.18	17.41	17.36		
5	256QAM	12	13	17.20	17.45	17.17		
5	256QAM	25	0	17.10	17.26	17.20		

Band 38_Ant 1(ENDC)

BW [MHz]	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)				2568	2594	2619		
20	QPSK	1	0	22.52	22.59	22.45		
20	QPSK	1	49	22.37	22.43	22.42	24	0
20	QPSK	1	99	22.46	22.46	22.38		
20	QPSK	50	0	21.27	21.34	21.19		
20	QPSK	50	24	21.15	21.25	21.17	23	1
20	QPSK	50	50	21.26	21.26	21.16		
20	QPSK	100	0	21.75	21.75	21.79		
20	16QAM	1	0	21.70	21.69	21.65		
20	16QAM	1	49	21.62	21.71	21.65	23	1
20	16QAM	1	99	21.51	21.60	21.55		
20	16QAM	50	0	20.66	20.16	20.16		
20	16QAM	50	24	20.15	20.25	20.23	22	2
20	16QAM	50	50	20.22	20.27	20.20		
20	16QAM	100	0	20.66	20.13	20.11		
20	64QAM	1	0	20.31	20.27	20.24		
20	64QAM	1	49	20.35	20.37	20.37	22	2
20	64QAM	1	99	20.28	20.35	20.35		
20	64QAM	50	0	19.12	19.21	19.11		
20	64QAM	50	24	19.19	19.28	19.27	21	3
20	64QAM	50	50	19.21	19.28	19.22		
20	64QAM	100	0	19.12	19.21	19.15		
20	256QAM	1	0	17.30	17.35	17.26		
20	256QAM	1	49	17.38	17.36	17.36	19	5
20	256QAM	1	99	17.34	17.41	17.41		
20	256QAM	50	0	17.15	17.23	17.21		
20	256QAM	50	24	17.08	17.16	17.07	19	5
20	256QAM	50	50	17.22	17.22	17.20		
20	256QAM	100	0	17.02	17.11	17.08		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.57	22.49	22.36		
15	QPSK	1	37	22.32	22.35	22.46	24	0
15	QPSK	1	74	22.40	22.46	22.37		
15	QPSK	36	0	21.31	21.33	21.11		
15	QPSK	36	20	21.12	21.17	21.09	23	1
15	QPSK	36	39	21.19	21.28	21.14		
15	QPSK	75	0	21.85	21.78	21.88		
15	16QAM	1	0	21.64	21.62	21.70		
15	16QAM	1	37	21.53	21.64	21.67	23	1
15	16QAM	1	74	21.50	21.59	21.57		
15	16QAM	36	0	20.10	20.17	20.15		
15	16QAM	36	20	20.07	20.18	20.19	22	2
15	16QAM	36	39	20.22	20.23	20.20		
15	16QAM	75	0	20.07	20.10	20.15		
15	64QAM	1	0	20.35	20.24	20.16		
15	64QAM	1	37	20.40	20.30	20.28	22	2
15	64QAM	1	74	20.33	20.32	20.39		
15	64QAM	36	0	19.04	19.15	19.04		
15	64QAM	36	20	19.20	19.22	19.30	21	3
15	64QAM	36	39	19.11	19.26	19.12		
15	64QAM	75	0	19.02	19.16	19.08		
15	256QAM	1	0	17.34	17.27	17.16		
15	256QAM	1	37	17.32	17.41	17.31	19	5
15	256QAM	1	74	17.27	17.31	17.31		
15	256QAM	36	0	17.05	17.19	17.25		
15	256QAM	36	20	17.11	17.10	17.25	19	5
15	256QAM	36	39	17.15	17.25	17.25		
15	256QAM	75	0	17.09	17.02	17.08		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2570	2595	2620		
10	QPSK	1	0	22.56	22.54	22.44		
10	QPSK	1	25	22.36	22.45	22.40	24	0
10	QPSK	1	49	22.46	22.39	22.42		
10	QPSK	25	0	21.22	21.32	21.17		
10	QPSK	25	12	21.14	21.22	21.20	23	1
10	QPSK	25	25	21.18	21.20	21.17		
10	QPSK	50	0	21.66	21.77	21.61		
10	16QAM	1	0	21.75	21.68	21.68		
10	16QAM	1	25	21.66	21.63	21.58	23	1
10	16QAM	1	49	21.43	21.54	21.54		
10	16QAM	25	0	20.61	20.11	20.07		
10	16QAM	25	12	20.16	20.20	20.18	22	2
10	16QAM	25	25	20.12	20.27	20.24		
10	16QAM	50	0	20.02	20.16	20.15		
10	64QAM	1	0	20.34	20.26	20.14		
10	64QAM	1	25	20.38	20.27	20.27	22	2
10	64QAM	1	49	20.33	20.31	20.28		
10	64QAM	25	0	19.10	19.25	19.11		
10	64QAM	25	12	19.11	19.28	19.17	21	3
10	64QAM	25	25	19.17	19.25	19.17		
10	64QAM	50	0	19.10	19.22	19.12		
10	256QAM	1	0	17.24	17.34	17.26		
10	256QAM	1	25	17.39	17.29	17.30	19	5
10	256QAM	1	49	17.24	17.39	17.41		
10	256QAM	25	0	17.06	17.13	17.12		
10	256QAM	25	12	17.08	17.19	17.06	19	5
10	256QAM	25	25	17.13	17.22	17.18		
10	256QAM	50	0	17.04	17.05	17.11		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.47	22.49	22.49		
5	QPSK	1	12	22.37	22.36	22.38	24	0
5	QPSK	1	24	22.45	22.43	22.32		
5	QPSK	12	0	21.20	21.34	21.19		
5	QPSK	12	7	21.19	21.26	21.08	23	1
5	QPSK	12	13	21.19	21.24	21.20		
5	QPSK	25	0	21.78	21.81	21.88		
5	16QAM	1	0	21.75	21.64	21.62		
5	16QAM	1	12	21.60	21.71	21.59	23	1
5	16QAM	1	24	21.42	21.58	21.45		
5	16QAM	12	0	20.07	20.18	20.07		
5	16QAM	12	7	20.12	20.24	20.22	22	2
5	16QAM	12	13	20.22	20.27	20.25		
5	16QAM	25	0	20.04	20.10	20.06		
5	64QAM	1	0	20.28	20.24	20.16		
5	64QAM	1	12	20.29	20.34	20.35	22	2
5	64QAM	1	24	20.25	20.35	20.29		
5	64QAM	12	0	19.07	19.18	19.13		
5	64QAM	12	7	19.13	19.22	19.32	21	3
5	64QAM	12	13	19.23	19.26	19.18		
5	64QAM	25	0	19.16	19.12	19.12		
5	256QAM	1	0	17.23	17.34	17.16		
5	256QAM	1	12	17.29	17.40	17.39	19	5
5	256QAM	1	24	17.35	17.43	17.42		
5	256QAM	12	0	17.07	17.25	17.24		
5	256QAM	12	7	17.08	17.12	17.05	19	5
5	256QAM	12	13	17.23	17.23	17.15		
5	256QAM	25	0	17.00	17.07	17.00		

Band 38_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2568	2594	2619		
20	QPSK	1	0	22.66	22.78	22.65		
20	QPSK	1	49	22.65	22.67	22.58	24	0
20	QPSK	1	99	22.63	22.66	22.63		
20	QPSK	50	0	21.87	21.98	21.84		
20	QPSK	50	24	21.81	21.91	21.79	23	1
20	QPSK	50	50	21.82	21.84	21.75		
20	QPSK	100	0	22.05	22.07	22.02		
20	16QAM	1	0	21.94	21.85	21.97		
20	16QAM	1	49	22.02	22.02	21.97	23	1
20	16QAM	1	99	22.04	22.24	21.95		
20	16QAM	50	0	20.87	20.74	20.75		
20	16QAM	50	24	20.92	20.75	20.93	22	2
20	16QAM	50	50	20.91	20.85	20.79		
20	16QAM	100	0	20.87	20.80	20.91		
20	64QAM	1	0	20.72	20.64	20.70		
20	64QAM	1	49	20.80	20.90	20.74	22	2
20	64QAM	1	99	20.77	20.66	20.74		
20	64QAM	50	0	19.91	19.76	19.70		
20	64QAM	50	24	19.95	19.91	19.86	21	3
20	64QAM	50	50	19.89	19.83	19.79		
20	64QAM	100	0	19.93	19.79	19.89		
20	256QAM	1	0	17.58	17.66	17.61		
20	256QAM	1	49	17.79	17.69	17.92	19	5
20	256QAM	1	99	17.54	17.63	17.60		
20	256QAM	50	0	17.73	17.70	17.68		
20	256QAM	50	24	17.74	17.69	17.67	19	5
20	256QAM	50	50	17.61	17.67	17.69		
20	256QAM	100	0	17.61	17.65	17.65		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.66	22.72	22.70		
15	QPSK	1	37	22.63	22.65	22.60	24	0
15	QPSK	1	74	22.59	22.63	22.59		
15	QPSK	36	0	21.85	21.88	21.86		
15	QPSK	36	20	21.72	21.73	21.71	23	1
15	QPSK	36	39	21.75	21.80	21.80		
15	QPSK	75	0	21.95	22.03	21.92		
15	16QAM	1	0	21.88	21.85	21.97		
15	16QAM	1	37	22.05	21.98	21.95	23	1
15	16QAM	1	74	22.02	22.26	21.91		
15	16QAM	36	0	20.79	20.70	20.71		
15	16QAM	36	20	20.90	20.73	20.85	22	2
15	16QAM	36	39	20.94	20.84	20.84		
15	16QAM	75	0	20.88	20.72	20.89		
15	64QAM	1	0	20.67	20.59	20.69		
15	64QAM	1	37	20.82	20.85	20.79	22	2
15	64QAM	1	74	20.79	20.66	20.85		
15	64QAM	36	0	19.90	19.75	19.69		
15	64QAM	36	20	19.95	19.82	19.98	21	3
15	64QAM	36	39	19.85	19.84	19.79		
15	64QAM	75	0	19.95	19.75	19.81		
15	256QAM	1	0	17.56	17.61	17.60		
15	256QAM	1	37	17.74	17.59	17.72	19	5
15	256QAM	1	74	17.45	17.64	17.59		
15	256QAM	36	0	17.70	17.60	17.64		
15	256QAM	36	20	17.65	17.74	17.58	19	5
15	256QAM	36	39	17.54	17.70	17.72		
15	256QAM	75	0	17.55	17.64	17.69		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2570	2595	2620		
10	QPSK	1	0	22.65	22.69	22.62		
10	QPSK	1	25	22.66	22.68	22.63	24	0
10	QPSK	1	49	22.60	22.56	22.68		
10	QPSK	25	0	21.92	21.96	21.77		
10	QPSK	25	12	21.72	21.78	21.75	23	1
10	QPSK	25	25	21.80	21.85	21.71		
10	QPSK	50	0	22.02	21.98	21.93		
10	16QAM	1	0	21.99	21.79	21.99		
10	16QAM	1	25	21.97	22.03	21.93	23	1
10	16QAM	1	49	22.06	22.28	21.95		
10	16QAM	25	0	20.84	20.75	20.79		
10	16QAM	25	12	20.86	20.72	20.88	22	2
10	16QAM	25	25	20.85	20.76	20.73		
10	16QAM	50	0	20.85	20.81	20.83		
10	64QAM	1	0	20.84	20.69	20.69		
10	64QAM	1	25	20.80	20.83	20.79	22	2
10	64QAM	1	49	20.78	20.56	20.69		
10	64QAM	25	0	19.92	19.81	19.82		
10	64QAM	25	12	19.92	19.84	19.86	21	3
10	64QAM	25	25	19.83	19.82	19.70		
10	64QAM	50	0	19.83	19.70	19.82		
10	256QAM	1	0	17.56	17.71	17.73		
10	256QAM	1	25	17.78	17.66	17.73	19	5
10	256QAM	1	49	17.47	17.57	17.57		
10	256QAM	25	0	17.78	17.75	17.65		
10	256QAM	25	12	17.70	17.61	17.61	19	5
10	256QAM	25	25	17.59	17.68	17.59		
10	256QAM	50	0	17.61	17.60	17.62		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.69	22.72	22.61		
5	QPSK	1	12	22.61	22.58	22.57	24	0
5	QPSK	1	24	22.64	22.68	22.64		
5	QPSK	12	0	21.80	21.90	21.78		
5	QPSK	12	7	21.73	21.85	21.71	23	1
5	QPSK	12	13	21.76	21.89	21.71		
5	QPSK	25	0	22.03	22.09	21.99		
5	16QAM	1	0	21.89	21.87	22.00		
5	16QAM	1	12	21.96	22.05	21.99	23	1
5	16QAM	1	24	22.02	22.17	21.94		
5	16QAM	12	0	20.90	20.68	20.70		
5	16QAM	12	7	20.84	20.74	20.69	22	2
5	16QAM	12	13	20.82	20.84	20.89		
5	16QAM	25	0	20.86	20.74	20.82		
5	64QAM	1	0	20.64	20.60	20.66		
5	64QAM	1	12	20.77	20.93	20.75	22	2
5	64QAM	1	24	20.71	20.79	20.71		
5	64QAM	12	0	19.94	19.80	19.64		
5	64QAM	12	7	19.98	19.88	19.90	21	3
5	64QAM	12	13	19.89	19.74	19.82		
5	64QAM	25	0	19.96	19.83	19.81		
5	256QAM	1	0	17.83	17.79	17.72		
5	256QAM	1	12	17.82	17.81	17.78	19	5
5	256QAM	1	24	17.94	17.68	17.83		
5	256QAM	12	0	17.76	17.67	17.67		
5	256QAM	12	7	17.77	17.66	17.80	19	5
5	256QAM	12	13	17.59	17.62	17.59		
5	256QAM	25	0	17.54	17.56	17.62		

Band 41_Ant 1(ENDC)

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	22.93	22.92	22.95	22.75	22.46	24	0
20	QPSK	1	49	22.76	22.82	22.86	22.46	22.30		
20	QPSK	1	99	22.71	22.72	22.78	22.52	22.37		
20	QPSK	50	0	21.86	21.84	21.89	21.73	21.63	23	1
20	QPSK	50	24	21.83	21.84	21.84	21.72	21.58		
20	QPSK	50	50	21.84	21.78	21.85	21.71	21.60		
20	QPSK	100	0	21.77	21.77	21.82	21.44	21.40		
20	16QAM	1	0	21.82	21.92	21.75	21.49	21.25	23	1
20	16QAM	1	49	21.64	21.56	21.64	21.35	21.42		
20	16QAM	1	99	21.53	21.59	21.62	21.31	21.38		
20	16QAM	50	0	20.89	20.88	20.91	20.76	20.59	22	2
20	16QAM	50	24	20.84	20.82	20.89	20.69	20.50		
20	16QAM	50	50	20.85	20.89	20.90	20.65	20.55		
20	16QAM	100	0	20.78	20.80	20.83	20.69	20.52		
20	64QAM	1	0	21.01	21.10	21.08	20.62	20.58	22	2
20	64QAM	1	49	20.99	20.95	21.02	20.61	20.44		
20	64QAM	1	99	20.97	21.01	21.04	20.59	20.53		
20	64QAM	50	0	19.88	19.85	19.91	19.72	19.60	21	3
20	64QAM	50	24	19.78	19.85	19.88	19.70	19.59		
20	64QAM	50	50	19.86	19.88	19.90	19.71	19.56		
20	64QAM	100	0	19.76	19.76	19.84	19.70	19.55		
20	256QAM	1	0	17.89	17.86	17.85	17.99	17.84	19	5
20	256QAM	1	49	17.80	17.80	17.81	17.90	17.74		
20	256QAM	1	99	17.74	17.71	17.79	17.98	17.83		
20	256QAM	50	0	17.93	17.89	17.95	17.74	17.55	19	5
20	256QAM	50	24	17.81	17.74	17.83	17.71	17.52		
20	256QAM	50	50	17.80	17.84	17.90	17.71	17.53		
20	256QAM	100	0	17.75	17.80	17.83	17.63	17.54		
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	22.92	22.87	22.93	22.72	22.43	24	0
15	QPSK	1	37	22.67	22.84	22.78	22.47	22.30		
15	QPSK	1	74	22.69	22.74	22.82	22.56	22.40		
15	QPSK	36	0	21.81	21.77	21.82	21.77	21.55	23	1
15	QPSK	36	20	21.85	21.75	21.88	21.72	21.55		
15	QPSK	36	39	21.87	21.77	21.87	21.75	21.53		
15	QPSK	75	0	21.64	21.60	21.70	21.31	21.34		
15	16QAM	1	0	21.66	21.73	21.59	21.48	21.11	23	1
15	16QAM	1	37	21.51	21.34	21.46	21.22	21.34		
15	16QAM	1	74	21.32	21.36	21.39	21.15	21.23		
15	16QAM	36	0	20.66	20.73	20.71	20.64	20.58	22	2
15	16QAM	36	20	20.59	20.58	20.74	20.68	20.50		
15	16QAM	36	39	20.72	20.73	20.71	20.64	20.35		
15	16QAM	75	0	20.64	20.59	20.72	20.58	20.40		
15	64QAM	1	0	20.83	20.97	20.97	20.54	20.40	22	2
15	64QAM	1	37	20.75	20.81	20.79	20.44	20.34		
15	64QAM	1	74	20.75	20.83	20.81	20.45	20.33		
15	64QAM	36	0	19.68	19.68	19.79	19.53	19.46	21	3
15	64QAM	36	20	19.78	19.68	19.91	19.67	19.55		
15	64QAM	36	39	19.79	19.81	19.91	19.65	19.55		
15	64QAM	75	0	19.77	19.71	19.78	19.52	19.36		
15	256QAM	1	0	17.86	17.85	17.80	17.90	17.75	19	5
15	256QAM	1	37	17.74	17.84	17.84	17.87	17.73		
15	256QAM	1	74	17.78	17.76	17.83	17.94	17.71		
15	256QAM	36	0	17.98	17.86	17.99	17.61	17.39	19	5
15	256QAM	36	20	17.84	17.67	17.87	17.59	17.52		
15	256QAM	36	39	17.84	17.79	17.84	17.65	17.39		
15	256QAM	75	0	17.69	17.73	17.79	17.57	17.47		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.88	22.93	22.89	22.68	22.36	24.00	0
10	QPSK	1	25	22.75	22.86	22.80	22.43	22.20		
10	QPSK	1	49	22.65	22.69	22.77	22.42	22.30		
10	QPSK	25	0	21.87	21.87	21.80	21.69	21.55	23	1
10	QPSK	25	12	21.87	21.85	21.75	21.67	21.49		
10	QPSK	25	25	21.79	21.82	21.75	21.74	21.53		
10	QPSK	50	0	21.63	21.66	21.69	21.28	21.34		
10	16QAM	1	0	21.69	21.81	21.60	21.29	21.09	23	1
10	16QAM	1	25	21.43	21.35	21.53	21.20	21.29		
10	16QAM	1	49	21.42	21.34	21.42	21.21	21.18		
10	16QAM	25	0	20.69	20.74	20.80	20.57	20.53	22	2
10	16QAM	25	12	20.66	20.68	20.74	20.65	20.31		
10	16QAM	25	25	20.67	20.77	20.70	20.49	20.43		
10	16QAM	50	0	20.67	20.65	20.72	20.62	20.47		
10	64QAM	1	0	20.76	20.85	20.86	20.51	20.49	22	2
10	64QAM	1	25	20.81	20.81	20.84	20.53	20.29		
10	64QAM	1	49	20.86	20.85	20.80	20.41	20.42		
10	64QAM	25	0	19.66	19.65	19.76	19.62	19.53	21	3
10	64QAM	25	12	19.72	19.69	19.79	19.70	19.40		
10	64QAM	25	25	19.88	19.86	19.84	19.54	19.44		
10	64QAM	50	0	19.68	19.80	19.82	19.58	19.35		
10	256QAM	1	0	17.80	17.82	17.78	17.85	17.73	19	5
10	256QAM	1	25	17.76	17.73	17.79	17.72	17.72		
10	256QAM	1	49	17.71	17.66	17.72	17.86	17.73		
10	256QAM	25	0	17.93	17.86	17.89	17.72	17.48	19	5
10	256QAM	25	12	17.82	17.72	17.78	17.71	17.32		
10	256QAM	25	25	17.77	17.75	17.94	17.60	17.35		
10	256QAM	50	0	17.74	17.75	17.81	17.55	17.45		
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	22.83	22.89	22.94	22.74	22.48	24.00	0
5	QPSK	1	12	22.68	22.72	22.77	22.36	22.28		
5	QPSK	1	24	22.76	22.67	22.69	22.50	22.36		
5	QPSK	12	0	21.83	21.84	21.92	21.71	21.64	23	1
5	QPSK	12	7	21.80	21.80	21.86	21.71	21.59		
5	QPSK	12	13	21.86	21.78	21.78	21.76	21.61		
5	QPSK	25	0	21.61	21.56	21.61	21.31	21.31		
5	16QAM	1	0	21.70	21.72	21.63	21.38	21.07	23	1
5	16QAM	1	12	21.43	21.40	21.47	21.33	21.23		
5	16QAM	1	24	21.39	21.40	21.41	21.26	21.32		
5	16QAM	12	0	20.64	20.72	20.71	20.68	20.59	22	2
5	16QAM	12	7	20.61	20.58	20.73	20.49	20.33		
5	16QAM	12	13	20.70	20.75	20.70	20.51	20.46		
5	16QAM	25	0	20.58	20.63	20.71	20.66	20.38		
5	64QAM	1	0	20.82	20.94	20.87	20.45	20.50	22	2
5	64QAM	1	12	20.74	20.71	20.80	20.46	20.31		
5	64QAM	1	24	20.80	20.85	20.83	20.41	20.38		
5	64QAM	12	0	19.77	19.62	19.71	19.64	19.40	21	3
5	64QAM	12	7	19.79	19.72	19.80	19.52	19.55		
5	64QAM	12	13	19.78	19.85	19.92	19.63	19.47		
5	64QAM	25	0	19.72	19.69	19.88	19.70	19.43		
5	256QAM	1	0	17.88	17.88	17.87	17.80	17.84	19	5
5	256QAM	1	12	17.73	17.77	17.83	17.83	17.63		
5	256QAM	1	24	17.71	17.76	17.83	17.98	17.67		
5	256QAM	12	0	17.93	17.90	17.95	17.57	17.55	19	5
5	256QAM	12	7	17.73	17.79	17.80	17.62	17.40		
5	256QAM	12	13	17.81	17.80	17.88	17.71	17.49		
5	256QAM	25	0	17.71	17.71	17.76	17.43	17.34		

Band 41_Ant 4

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	22.73	22.76	22.79	22.73	22.75	24	0
20	QPSK	1	49	22.49	22.64	22.75	22.61	22.56		
20	QPSK	1	99	22.72	22.75	22.76	22.75	22.61		
20	QPSK	50	0	22.29	22.54	22.58	22.41	22.44	23	1
20	QPSK	50	24	22.19	22.44	22.33	22.32	22.36		
20	QPSK	50	50	22.22	22.32	22.35	22.40	22.23		
20	QPSK	100	0	22.30	22.53	22.57	22.53	22.56		
20	16QAM	1	0	22.30	22.40	22.52	22.50	22.53	23	1
20	16QAM	1	49	22.42	22.50	22.59	22.56	22.40		
20	16QAM	1	99	22.38	22.74	22.64	22.53	22.48		
20	16QAM	50	0	21.22	21.46	21.50	21.43	21.40	22	2
20	16QAM	50	24	21.30	21.42	21.53	21.38	21.35		
20	16QAM	50	50	21.15	21.44	21.37	21.45	21.39		
20	16QAM	100	0	21.03	21.52	21.44	21.35	21.40		
20	64QAM	1	0	21.02	21.20	21.46	21.33	21.44	22	2
20	64QAM	1	49	21.12	21.13	21.32	21.38	21.23		
20	64QAM	1	99	21.17	21.35	21.35	21.37	21.38		
20	64QAM	50	0	20.28	20.43	20.48	20.42	20.37	21	3
20	64QAM	50	24	20.12	20.41	20.46	20.40	20.43		
20	64QAM	50	50	20.18	20.42	20.39	20.47	20.30		
20	64QAM	100	0	20.21	20.56	20.45	20.44	20.43		
20	256QAM	1	0	17.94	17.81	18.11	17.89	18.11	19	5
20	256QAM	1	49	17.84	17.91	18.10	17.81	18.09		
20	256QAM	1	99	17.84	17.94	18.28	17.95	17.94		
20	256QAM	50	0	17.83	17.89	18.07	17.97	18.22	19	5
20	256QAM	50	24	18.00	17.99	18.11	17.90	18.09		
20	256QAM	50	50	17.90	17.92	18.20	17.95	18.12		
20	256QAM	100	0	17.87	17.91	18.36	18.03	18.07		
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	22.68	22.64	22.77	22.62	22.69	24.00	0
15	QPSK	1	37	22.46	22.58	22.69	22.49	22.52		
15	QPSK	1	74	22.70	22.67	22.70	22.67	22.56		
15	QPSK	36	0	22.18	22.48	22.50	22.32	22.33	23	1
15	QPSK	36	20	22.08	22.37	22.26	22.26	22.33		
15	QPSK	36	39	22.16	22.27	22.33	22.31	22.17		
15	QPSK	75	0	22.23	22.44	22.48	22.43	22.50		
15	16QAM	1	0	22.27	22.34	22.45	22.38	22.50	23	1
15	16QAM	1	37	22.38	22.39	22.49	22.44	22.36		
15	16QAM	1	74	22.26	22.64	22.61	22.49	22.39		
15	16QAM	36	0	21.18	21.39	21.45	21.32	21.35	22	2
15	16QAM	36	20	21.28	21.37	21.42	21.29	21.30		
15	16QAM	36	39	21.12	21.37	21.34	21.38	21.29		
15	16QAM	75	0	21.01	21.46	21.33	21.27	21.30		
15	64QAM	1	0	20.90	21.14	21.38	21.23	21.42	22	2
15	64QAM	1	37	21.01	21.11	21.20	21.31	21.20		
15	64QAM	1	74	21.06	21.28	21.33	21.32	21.26		
15	64QAM	36	0	20.22	20.34	20.38	20.32	20.32	21	3
15	64QAM	36	20	20.06	20.37	20.44	20.33	20.39		
15	64QAM	36	39	20.07	20.35	20.35	20.45	20.21		
15	64QAM	75	0	20.17	20.46	20.37	20.34	20.32		
15	256QAM	1	0	17.88	17.75	18.08	17.79	18.00	19	5
15	256QAM	1	37	17.74	17.79	17.98	17.74	18.00		
15	256QAM	1	74	17.73	17.91	18.22	17.92	17.84		
15	256QAM	36	0	17.77	17.84	18.04	17.85	18.20	19	5
15	256QAM	36	20	17.98	17.87	18.04	17.83	18.00		
15	256QAM	36	39	17.88	17.86	18.08	17.92	18.09		
15	256QAM	75	0	17.79	17.88	18.33	17.97	18.03		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.64	22.68	22.72	22.64	22.64	24.00	0
10	QPSK	1	25	22.42	22.55	22.66	22.51	22.44		
10	QPSK	1	49	22.63	22.67	22.71	22.65	22.49		
10	QPSK	25	0	22.19	22.50	22.50	22.32	22.32	23	1
10	QPSK	25	12	22.09	22.40	22.30	22.28	22.31		
10	QPSK	25	25	22.19	22.24	22.32	22.37	22.13		
10	QPSK	50	0	22.22	22.47	22.55	22.47	22.51		
10	16QAM	1	0	22.27	22.31	22.46	22.42	22.43	23	1
10	16QAM	1	25	22.32	22.39	22.52	22.44	22.34		
10	16QAM	1	49	22.32	22.64	22.53	22.41	22.45		
10	16QAM	25	0	21.18	21.36	21.46	21.37	21.29	22	2
10	16QAM	25	12	21.20	21.35	21.46	21.29	21.27		
10	16QAM	25	25	21.05	21.36	21.25	21.39	21.33		
10	16QAM	50	0	21.01	21.40	21.39	21.23	21.38		
10	64QAM	1	0	21.00	21.17	21.35	21.23	21.37	22	2
10	64QAM	1	25	21.03	21.02	21.23	21.34	21.14		
10	64QAM	1	49	21.09	21.27	21.26	21.31	21.28		
10	64QAM	25	0	20.17	20.41	20.45	20.34	20.32	21	3
10	64QAM	25	12	20.04	20.29	20.35	20.38	20.41		
10	64QAM	25	25	20.09	20.38	20.27	20.41	20.25		
10	64QAM	50	0	20.12	20.51	20.38	20.39	20.31		
10	256QAM	1	0	17.89	17.70	17.99	17.83	18.04	19	5
10	256QAM	1	25	17.79	17.80	18.08	17.74	18.07		
10	256QAM	1	49	17.79	17.91	18.18	17.83	17.87		
10	256QAM	25	0	17.71	17.86	18.04	17.92	18.19	19	5
10	256QAM	25	12	17.89	17.90	18.09	17.85	18.02		
10	256QAM	25	25	17.83	17.90	18.13	17.91	18.08		
10	256QAM	50	0	17.82	17.84	18.24	17.97	17.97		
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	22.65	22.72	22.71	22.61	22.65	24.00	0
5	QPSK	1	12	22.45	22.60	22.64	22.50	22.52		
5	QPSK	1	24	22.69	22.67	22.73	22.64	22.50		
5	QPSK	12	0	22.26	22.45	22.50	22.33	22.39	23	1
5	QPSK	12	7	22.08	22.40	22.30	22.30	22.29		
5	QPSK	12	13	22.18	22.21	22.28	22.29	22.16		
5	QPSK	25	0	22.28	22.51	22.47	22.45	22.54		
5	16QAM	1	0	22.19	22.37	22.41	22.44	22.49	23	1
5	16QAM	1	12	22.38	22.47	22.49	22.53	22.30		
5	16QAM	1	24	22.32	22.65	22.61	22.51	22.45		
5	16QAM	12	0	21.20	21.44	21.47	21.35	21.38	22	2
5	16QAM	12	7	21.24	21.34	21.43	21.33	21.27		
5	16QAM	12	13	21.10	21.32	21.34	21.42	21.33		
5	16QAM	25	0	20.97	21.44	21.38	21.28	21.38		
5	64QAM	1	0	20.97	21.09	21.43	21.23	21.39	22	2
5	64QAM	1	12	21.08	21.06	21.26	21.36	21.18		
5	64QAM	1	24	21.08	21.31	21.33	21.26	21.33		
5	64QAM	12	0	20.25	20.40	20.42	20.30	20.34	21	3
5	64QAM	12	7	20.00	20.32	20.38	20.38	20.35		
5	64QAM	12	13	20.16	20.30	20.28	20.41	20.22		
5	64QAM	25	0	20.09	20.54	20.36	20.40	20.35		
5	256QAM	1	0	17.89	17.71	18.00	17.77	18.02	19	5
5	256QAM	1	12	17.80	17.82	17.99	17.74	18.04		
5	256QAM	1	24	17.80	17.85	18.20	17.87	17.90		
5	256QAM	12	0	17.80	17.78	17.97	17.90	18.20	19	5
5	256QAM	12	7	17.96	17.94	18.08	17.86	18.05		
5	256QAM	12	13	17.82	17.84	18.11	17.91	18.00		
5	256QAM	25	0	17.82	17.82	18.27	17.92	17.97		

Band 41_HPUE_Ant 4

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	25.45	25.61	25.84	25.60	25.68	27	0
20	QPSK	1	49	25.40	25.57	25.60	25.53	25.52		
20	QPSK	1	99	25.35	25.51	25.68	25.78	25.62		
20	QPSK	50	0	25.16	25.36	25.45	25.31	25.33	26	1
20	QPSK	50	24	25.11	25.24	25.34	25.23	25.23		
20	QPSK	50	50	25.11	25.22	25.31	25.23	25.21		
20	QPSK	100	0	25.04	25.10	25.29	25.17	25.19		
20	16QAM	1	0	25.29	25.35	25.31	25.52	25.45	26	1
20	16QAM	1	49	25.16	25.48	25.37	25.48	25.35		
20	16QAM	1	99	25.40	25.47	25.63	25.55	25.51		
20	16QAM	50	0	24.04	24.33	24.01	24.37	24.30	25	2
20	16QAM	50	24	24.11	24.27	24.15	24.39	24.36		
20	16QAM	50	50	24.01	24.39	24.31	24.33	24.26		
20	16QAM	100	0	24.11	24.21	24.40	24.23	24.32		
20	64QAM	1	0	23.82	24.11	24.42	24.11	24.27	25	2
20	64QAM	1	49	24.16	24.34	23.95	24.43	24.25		
20	64QAM	1	99	24.12	24.25	24.17	24.40	24.25		
20	64QAM	50	0	23.19	23.34	23.18	23.27	23.29	24	3
20	64QAM	50	24	23.16	23.38	23.22	23.41	23.35		
20	64QAM	50	50	23.15	23.25	23.17	23.46	23.24		
20	64QAM	100	0	23.17	23.43	23.19	23.39	23.33		
20	256QAM	1	0	21.08	21.07	21.21	21.18	21.14	22	5
20	256QAM	1	49	20.62	20.60	20.75	20.70	20.72		
20	256QAM	1	99	21.08	21.13	21.15	21.15	21.02		
20	256QAM	50	0	21.18	21.23	21.26	21.20	21.14	22	5
20	256QAM	50	24	21.16	21.24	21.26	21.15	21.26		
20	256QAM	50	50	21.06	21.00	21.13	21.13	20.99		
20	256QAM	100	0	21.06	21.16	21.17	21.07	21.07		
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	25.38	25.60	25.42	25.54	25.55	27.00	0
15	QPSK	1	37	25.32	25.59	25.48	25.72	25.49		
15	QPSK	1	74	25.51	25.76	25.79	25.59	25.57		
15	QPSK	36	0	24.98	25.22	25.20	25.28	25.23	26	1
15	QPSK	36	20	24.95	25.25	25.31	25.34	25.16		
15	QPSK	36	39	25.02	25.24	25.27	25.23	25.07		
15	QPSK	75	0	25.02	25.18	25.11	25.25	25.18		
15	16QAM	1	0	25.09	25.43	25.24	25.52	25.36	26	1
15	16QAM	1	37	25.12	25.33	25.20	25.43	25.47		
15	16QAM	1	74	25.34	25.44	25.60	25.42	25.40		
15	16QAM	36	0	23.95	24.35	24.11	24.31	24.22	25	2
15	16QAM	36	20	24.08	24.27	24.27	24.36	24.26		
15	16QAM	36	39	24.03	24.19	24.21	24.34	24.15		
15	16QAM	75	0	24.09	24.28	24.30	24.21	24.32		
15	64QAM	1	0	24.09	24.20	23.92	24.29	24.16	25	2
15	64QAM	1	37	24.02	24.15	23.92	24.10	24.18		
15	64QAM	1	74	24.00	24.18	23.94	24.47	23.95		
15	64QAM	36	0	23.09	23.38	23.31	23.48	23.24	24	3
15	64QAM	36	20	23.08	23.20	23.16	23.21	23.37		
15	64QAM	36	39	23.08	23.27	23.11	23.39	23.27		
15	64QAM	75	0	23.08	23.28	23.39	23.24	23.31		
15	256QAM	1	0	20.96	21.04	21.06	21.08	21.08	22	5
15	256QAM	1	37	20.52	20.55	20.73	20.63	20.73		
15	256QAM	1	74	21.03	21.18	21.09	21.08	20.93		
15	256QAM	36	0	21.23	21.20	21.18	21.21	21.17	22	5
15	256QAM	36	20	21.18	21.15	21.23	21.02	21.16		
15	256QAM	36	39	20.97	20.99	21.18	21.08	20.85		
15	256QAM	75	0	20.92	21.06	21.14	21.07	21.02		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.44	25.62	25.43	25.69	25.74	27.00	0
10	QPSK	1	25	25.52	25.68	25.35	25.68	25.56		
10	QPSK	1	49	25.25	25.50	25.41	25.82	25.39		
10	QPSK	25	0	25.10	25.31	25.02	25.40	25.28	26	1
10	QPSK	25	12	25.01	25.47	25.37	25.35	25.31		
10	QPSK	25	25	25.09	25.19	25.25	25.43	25.24		
10	QPSK	50	0	25.08	25.35	25.05	25.45	25.29		
10	16QAM	1	0	25.19	25.40	25.34	25.38	25.49	26	1
10	16QAM	1	25	25.15	25.57	25.23	25.64	25.59		
10	16QAM	1	49	25.37	25.58	25.23	25.58	25.44		
10	16QAM	25	0	24.15	24.28	24.25	24.37	24.30	25	2
10	16QAM	25	12	24.15	24.36	24.46	24.44	24.26		
10	16QAM	25	25	24.14	24.28	24.16	24.41	24.41		
10	16QAM	50	0	24.04	24.43	24.33	24.44	24.35		
10	64QAM	1	0	24.27	24.30	24.21	24.52	24.39	25	2
10	64QAM	1	25	24.12	24.28	24.21	24.28	24.31		
10	64QAM	1	49	24.17	24.25	24.49	24.51	24.35		
10	64QAM	25	0	23.24	23.52	23.25	23.54	23.45	24	3
10	64QAM	25	12	23.18	23.49	23.47	23.60	23.48		
10	64QAM	25	25	23.17	23.43	23.46	23.55	23.51		
10	64QAM	50	0	23.12	23.31	23.41	23.44	23.24		
10	256QAM	1	0	20.93	21.08	21.14	21.21	21.11	22	5
10	256QAM	1	25	20.59	20.56	20.69	20.67	20.65		
10	256QAM	1	49	21.13	21.13	21.18	21.00	20.91		
10	256QAM	25	0	21.04	21.14	21.17	21.12	21.01	22	5
10	256QAM	25	12	21.09	21.27	21.31	21.17	21.19		
10	256QAM	25	25	20.92	20.94	21.14	21.12	20.95		
10	256QAM	50	0	20.92	21.14	21.04	20.93	20.92		
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	25.24	25.63	25.23	25.61	25.64	27.00	0
5	QPSK	1	12	25.28	25.74	25.37	25.53	25.56		
5	QPSK	1	24	25.35	25.39	25.73	25.78	25.61		
5	QPSK	12	0	24.96	25.29	25.06	25.43	25.28	26	1
5	QPSK	12	7	25.11	25.30	25.41	25.33	25.32		
5	QPSK	12	13	25.11	25.26	25.20	25.21	25.32		
5	QPSK	25	0	25.01	25.29	25.02	25.42	25.23		
5	16QAM	1	0	25.16	25.29	25.10	25.33	25.36	26	1
5	16QAM	1	12	25.54	25.53	25.32	25.19	25.21		
5	16QAM	1	24	24.95	25.41	25.07	25.39	25.21		
5	16QAM	12	0	24.17	24.45	23.98	24.37	24.30	25	2
5	16QAM	12	7	24.16	24.38	24.61	24.47	24.27		
5	16QAM	12	13	24.06	24.44	23.99	24.06	24.28		
5	16QAM	25	0	24.09	24.41	24.14	24.44	24.40		
5	64QAM	1	0	24.05	24.41	24.25	24.28	24.28	25	2
5	64QAM	1	12	24.01	24.45	24.28	24.43	24.39		
5	64QAM	1	24	24.15	24.33	24.06	24.45	24.43		
5	64QAM	12	0	23.16	23.37	23.26	23.42	23.32	24	3
5	64QAM	12	7	23.15	23.50	23.37	23.44	23.36		
5	64QAM	12	13	23.17	23.35	23.06	23.41	23.38		
5	64QAM	25	0	23.21	23.54	23.33	23.58	23.42		
5	256QAM	1	0	21.00	20.93	21.06	21.21	21.05	22	5
5	256QAM	1	12	20.65	20.60	20.60	20.71	20.58		
5	256QAM	1	24	20.94	21.03	21.10	21.13	20.93		
5	256QAM	12	0	21.23	21.11	21.30	21.25	21.12	22	5
5	256QAM	12	7	21.14	21.09	21.26	21.04	21.28		
5	256QAM	12	13	20.91	20.93	21.03	21.11	20.89		
5	256QAM	25	0	20.96	21.02	21.13	21.12	20.93		

Reduced Power for DSI 6

Band 7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.12	19.35	19.17	20.5	0
20	QPSK	1	49	19.10	19.20	19.05		
20	QPSK	1	99	18.99	19.27	19.16		
20	QPSK	50	0	19.11	19.29	19.15	20.5	0
20	QPSK	50	24	19.09	19.27	19.04		
20	QPSK	50	50	19.05	19.25	19.14		
20	QPSK	100	0	19.18	19.22	19.21		
20	16QAM	1	0	19.10	19.34	19.07	20.5	0
20	16QAM	1	49	19.09	19.28	19.17		
20	16QAM	1	99	19.11	19.24	19.17		
20	16QAM	50	0	19.05	19.27	19.01	20.5	0
20	16QAM	50	24	19.14	19.22	19.24		
20	16QAM	50	50	18.99	19.28	19.04		
20	16QAM	100	0	19.04	19.19	19.10		
20	64QAM	1	0	19.15	19.22	19.12	20.5	0
20	64QAM	1	49	19.00	19.27	19.04		
20	64QAM	1	99	18.99	19.24	19.06		
20	64QAM	50	0	19.16	19.30	19.21	20.5	0
20	64QAM	50	24	19.21	19.25	19.18		
20	64QAM	50	50	19.00	19.33	19.11		
20	64QAM	100	0	19.10	19.24	19.17		
20	256QAM	1	0	17.63	17.78	17.62	19	1.5
20	256QAM	1	49	17.55	17.84	17.50		
20	256QAM	1	99	17.47	17.71	17.70		
20	256QAM	50	0	17.62	17.75	17.60	19	1.5
20	256QAM	50	24	17.71	17.80	17.71		
20	256QAM	50	50	17.51	17.81	17.60		
20	256QAM	100	0	17.50	17.67	17.68		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.94	19.20	18.99	20.5	0
15	QPSK	1	37	19.01	19.06	18.83		
15	QPSK	1	74	18.84	19.03	19.00		
15	QPSK	36	0	19.00	19.06	19.04	20.5	0
15	QPSK	36	20	18.90	19.15	18.88		
15	QPSK	36	39	18.81	19.08	18.89		
15	QPSK	75	0	19.07	19.02	19.06		
15	16QAM	1	0	18.96	19.09	18.83	20.5	0
15	16QAM	1	37	18.90	19.05	19.01		
15	16QAM	1	74	18.91	19.06	19.02		
15	16QAM	36	0	18.88	19.07	18.78	20.5	0
15	16QAM	36	20	18.99	19.05	19.05		
15	16QAM	36	39	19.02	19.04	18.95		
15	16QAM	75	0	18.97	19.24	19.01		
15	64QAM	1	0	19.18	19.15	19.05	20.5	0
15	64QAM	1	37	19.02	19.29	18.99		
15	64QAM	1	74	18.99	19.24	19.02		
15	64QAM	36	0	19.09	19.21	19.22	20.5	0
15	64QAM	36	20	19.17	19.19	19.22		
15	64QAM	36	39	19.00	19.26	19.04		
15	64QAM	75	0	19.07	19.16	19.17		
15	256QAM	1	0	17.68	17.81	17.59	19	1.5
15	256QAM	1	37	17.60	17.77	17.44		
15	256QAM	1	74	17.48	17.69	17.70		
15	256QAM	36	0	17.65	17.74	17.51	19	1.5
15	256QAM	36	20	17.76	17.85	17.74		
15	256QAM	36	39	17.45	17.75	17.65		
15	256QAM	75	0	17.42	17.65	17.59		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.93	19.18	18.94	20.5	0
10	QPSK	1	25	18.99	19.05	18.80		
10	QPSK	1	49	18.87	19.06	18.91		
10	QPSK	25	0	18.99	19.09	19.00	20.5	0
10	QPSK	25	12	18.94	19.02	18.85		
10	QPSK	25	25	18.90	19.01	18.91		
10	QPSK	50	0	19.07	18.97	19.02		
10	16QAM	1	0	18.93	19.13	18.92	20.5	0
10	16QAM	1	25	18.97	19.09	19.04		
10	16QAM	1	49	18.90	19.02	19.03		
10	16QAM	25	0	18.83	19.02	18.80	20.5	0
10	16QAM	25	12	18.94	19.10	19.10		
10	16QAM	25	25	19.04	19.04	19.06		
10	16QAM	50	0	19.03	19.18	19.06		
10	64QAM	1	0	19.15	19.22	19.09	20.5	0
10	64QAM	1	25	19.01	19.19	19.06		
10	64QAM	1	49	18.97	19.28	19.10		
10	64QAM	25	0	19.09	19.27	19.26	20.5	0
10	64QAM	25	12	19.21	19.16	19.18		
10	64QAM	25	25	19.01	19.33	19.13		
10	64QAM	50	0	19.01	19.24	19.16		
10	256QAM	1	0	17.60	17.75	17.55	19	1.5
10	256QAM	1	25	17.55	17.87	17.41		
10	256QAM	1	49	17.42	17.70	17.66		
10	256QAM	25	0	17.60	17.76	17.60	19	1.5
10	256QAM	25	12	17.74	17.77	17.71		
10	256QAM	25	25	17.44	17.82	17.55		
10	256QAM	50	0	17.48	17.61	17.72		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.97	19.08	19.02	20.5	0
5	QPSK	1	12	18.88	19.02	18.88		
5	QPSK	1	24	18.75	19.06	19.03		
5	QPSK	12	0	19.00	19.09	19.03	20.5	0
5	QPSK	12	7	18.84	19.08	18.91		
5	QPSK	12	13	18.87	19.12	18.97		
5	QPSK	25	0	19.00	19.03	19.02		
5	16QAM	1	0	18.97	19.15	18.85	20.5	0
5	16QAM	1	12	18.90	19.15	19.01		
5	16QAM	1	24	18.87	19.04	18.93		
5	16QAM	12	0	18.80	19.07	18.89	20.5	0
5	16QAM	12	7	18.92	19.04	19.10		
5	16QAM	12	13	18.92	19.14	19.00		
5	16QAM	25	0	18.97	19.20	19.09		
5	64QAM	1	0	19.06	19.23	19.11	20.5	0
5	64QAM	1	12	18.97	19.31	19.09		
5	64QAM	1	24	18.95	19.27	18.97		
5	64QAM	12	0	19.16	19.27	19.15	20.5	0
5	64QAM	12	7	19.19	19.16	19.10		
5	64QAM	12	13	18.96	19.29	19.11		
5	64QAM	25	0	19.05	19.20	19.18		
5	256QAM	1	0	17.59	17.70	17.63	19	1.5
5	256QAM	1	12	17.53	17.87	17.55		
5	256QAM	1	24	17.40	17.67	17.62		
5	256QAM	12	0	17.62	17.79	17.54	19	1.5
5	256QAM	12	7	17.66	17.78	17.76		
5	256QAM	12	13	17.55	17.76	17.65		
5	256QAM	25	0	17.48	17.60	17.67		

Band 38_Ant 1(ENDC)

BW [MHz]	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)				2568	2593	2618		
20	QPSK	1	0	22.52	22.59	22.45	24	0
20	QPSK	1	49	22.37	22.43	22.42		
20	QPSK	1	99	22.46	22.46	22.38		
20	QPSK	50	0	21.27	21.34	21.19	23	1
20	QPSK	50	24	21.15	21.25	21.17		
20	QPSK	50	50	21.26	21.26	21.16		
20	QPSK	100	0	21.75	21.70	21.79		
20	16QAM	1	0	21.70	21.69	21.65	23	1
20	16QAM	1	49	21.62	21.71	21.65		
20	16QAM	1	99	21.51	21.60	21.55		
20	16QAM	50	0	20.66	20.16	20.16	22	2
20	16QAM	50	24	20.15	20.25	20.23		
20	16QAM	50	50	20.22	20.27	20.20		
20	16QAM	100	0	20.66	20.13	20.11		
20	64QAM	1	0	20.31	20.27	20.24	22	2
20	64QAM	1	49	20.35	20.37	20.37		
20	64QAM	1	99	20.28	20.35	20.35		
20	64QAM	50	0	19.12	19.21	19.11	21	3
20	64QAM	50	24	19.19	19.28	19.27		
20	64QAM	50	50	19.21	19.28	19.22		
20	64QAM	100	0	19.12	19.21	19.15		
20	256QAM	1	0	17.30	17.35	17.26	19	5
20	256QAM	1	49	17.38	17.36	17.36		
20	256QAM	1	99	17.34	17.41	17.41		
20	256QAM	50	0	17.15	17.23	17.21	19	5
20	256QAM	50	24	17.08	17.16	17.07		
20	256QAM	50	50	17.22	17.22	17.20		
20	256QAM	100	0	17.02	17.11	17.08		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.57	22.49	22.36	24	0
15	QPSK	1	37	22.32	22.35	22.46		
15	QPSK	1	74	22.40	22.48	22.37		
15	QPSK	36	0	21.31	21.33	21.11	23	1
15	QPSK	36	20	21.12	21.17	21.09		
15	QPSK	36	39	21.19	21.28	21.14		
15	QPSK	75	0	21.66	21.78	21.68		
15	16QAM	1	0	21.64	21.62	21.70	23	1
15	16QAM	1	37	21.53	21.64	21.67		
15	16QAM	1	74	21.50	21.59	21.57		
15	16QAM	36	0	20.10	20.17	20.15	22	2
15	16QAM	36	20	20.07	20.18	20.19		
15	16QAM	36	39	20.22	20.23	20.20		
15	16QAM	75	0	20.07	20.10	20.15		
15	64QAM	1	0	20.35	20.24	20.16	22	2
15	64QAM	1	37	20.40	20.30	20.28		
15	64QAM	1	74	20.33	20.32	20.39		
15	64QAM	36	0	19.04	19.15	19.04	21	3
15	64QAM	36	20	19.20	19.22	19.30		
15	64QAM	36	39	19.11	19.26	19.12		
15	64QAM	75	0	19.02	19.16	19.08		
15	256QAM	1	0	17.34	17.27	17.16	19	5
15	256QAM	1	37	17.32	17.41	17.31		
15	256QAM	1	74	17.27	17.31	17.31		
15	256QAM	36	0	17.05	17.19	17.25	19	5
15	256QAM	36	20	17.11	17.10	17.09		
15	256QAM	36	39	17.15	17.26	17.25		
15	256QAM	75	0	17.09	17.02	17.08		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2570	2595	2620		
10	QPSK	1	0	22.56	22.54	22.44	24	0
10	QPSK	1	25	22.36	22.45	22.40		
10	QPSK	1	49	22.46	22.39	22.42		
10	QPSK	25	0	21.22	21.32	21.17	23	1
10	QPSK	25	12	21.14	21.22	21.20		
10	QPSK	25	25	21.18	21.20	21.17		
10	QPSK	50	0	21.66	21.77	21.61		
10	16QAM	1	0	21.75	21.68	21.68	23	1
10	16QAM	1	25	21.66	21.63	21.58		
10	16QAM	1	49	21.43	21.54	21.54		
10	16QAM	25	0	20.01	20.11	20.07	22	2
10	16QAM	25	12	20.10	20.20	20.18		
10	16QAM	25	25	20.12	20.27	20.24		
10	16QAM	50	0	20.02	20.10	20.15		
10	64QAM	1	0	20.34	20.26	20.14	22	2
10	64QAM	1	25	20.38	20.27	20.27		
10	64QAM	1	49	20.33	20.31	20.28		
10	64QAM	25	0	19.10	19.25	19.11	21	3
10	64QAM	25	12	19.11	19.28	19.17		
10	64QAM	25	25	19.17	19.25	19.17		
10	64QAM	50	0	19.10	19.22	19.12		
10	256QAM	1	0	17.24	17.34	17.26	19	5
10	256QAM	1	25	17.39	17.29	17.30		
10	256QAM	1	49	17.24	17.39	17.41		
10	256QAM	25	0	17.06	17.13	17.12	19	5
10	256QAM	25	12	17.08	17.19	17.06		
10	256QAM	25	25	17.13	17.22	17.18		
10	256QAM	50	0	17.04	17.05	17.11		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.47	22.49	22.49	24	0
5	QPSK	1	12	22.37	22.36	22.38		
5	QPSK	1	24	22.45	22.43	22.32		
5	QPSK	12	0	21.20	21.34	21.19	23	1
5	QPSK	12	7	21.19	21.26	21.08		
5	QPSK	12	13	21.19	21.24	21.20		
5	QPSK	25	0	21.78	21.81	21.88		
5	16QAM	1	0	21.75	21.64	21.62	23	1
5	16QAM	1	12	21.60	21.71	21.59		
5	16QAM	1	24	21.42	21.58	21.45		
5	16QAM	12	0	20.07	20.18	20.07	22	2
5	16QAM	12	7	20.12	20.24	20.22		
5	16QAM	12	13	20.22	20.27	20.25		
5	16QAM	25	0	20.04	20.10	20.06		
5	64QAM	1	0	20.28	20.24	20.16	22	2
5	64QAM	1	12	20.29	20.34	20.35		
5	64QAM	1	24	20.25	20.35	20.29		
5	64QAM	12	0	19.07	19.18	19.13	21	3
5	64QAM	12	7	19.13	19.22	19.32		
5	64QAM	12	13	19.23	19.26	19.18		
5	64QAM	25	0	19.16	19.12	19.12		
5	256QAM	1	0	17.23	17.34	17.16	19	5
5	256QAM	1	12	17.29	17.40	17.39		
5	256QAM	1	24	17.30	17.43	17.42		
5	256QAM	12	0	17.07	17.25	17.24	19	5
5	256QAM	12	7	17.08	17.12	17.05		
5	256QAM	12	13	17.23	17.23	17.15		
5	256QAM	25	0	17.00	17.07	17.00		

Band 38_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2568	2593	2618		
20	QPSK	1	0	20.46	20.51	20.46	21.5	0
20	QPSK	1	49	20.46	20.48	20.31		
20	QPSK	1	99	20.38	20.37	20.44		
20	QPSK	50	0	20.41	20.46	20.37	21.5	0
20	QPSK	50	24	20.43	20.35	20.29		
20	QPSK	50	50	20.37	20.32	20.38		
20	QPSK	100	0	20.34	20.40	20.40		
20	16QAM	1	0	20.36	20.46	20.27	21.5	0
20	16QAM	1	49	20.29	20.39	20.49		
20	16QAM	1	99	20.31	20.39	20.39		
20	16QAM	50	0	20.32	20.46	20.25	21.5	0
20	16QAM	50	24	20.34	20.35	20.35		
20	16QAM	50	50	20.33	20.47	20.39		
20	16QAM	100	0	20.34	20.33	20.21		
20	64QAM	1	0	20.24	20.36	20.38	21.5	0
20	64QAM	1	49	20.40	20.40	20.37		
20	64QAM	1	99	20.42	20.46	20.16		
20	64QAM	50	0	19.90	19.94	19.92	21	0.5
20	64QAM	50	24	19.86	19.90	19.81		
20	64QAM	50	50	19.90	19.93	19.79		
20	64QAM	100	0	19.84	19.81	19.93		
20	256QAM	1	0	17.73	17.81	17.96	19	2.5
20	256QAM	1	49	17.94	17.94	17.97		
20	256QAM	1	99	17.69	17.78	17.75		
20	256QAM	50	0	17.68	17.85	17.83	19	2.5
20	256QAM	50	24	17.89	17.84	17.62		
20	256QAM	50	50	17.76	17.82	17.84		
20	256QAM	100	0	17.76	17.80	17.81		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.41	20.49	20.41	21.5	0
15	QPSK	1	37	20.37	20.34	20.27		
15	QPSK	1	74	20.37	20.25	20.43		
15	QPSK	36	0	20.34	20.32	20.33	21.5	0
15	QPSK	36	20	20.35	20.20	20.27		
15	QPSK	36	39	20.33	20.17	20.37		
15	QPSK	75	0	20.30	20.48	20.26		
15	16QAM	1	0	20.22	20.40	20.23	21.5	0
15	16QAM	1	37	20.14	20.32	20.36		
15	16QAM	1	74	20.20	20.24	20.37		
15	16QAM	36	0	20.28	20.35	20.11	21.5	0
15	16QAM	36	20	20.26	20.17	20.22		
15	16QAM	36	39	20.29	20.34	20.27		
15	16QAM	75	0	20.32	20.29	20.06		
15	64QAM	1	0	20.15	20.21	20.35	21.5	0
15	64QAM	1	37	20.28	20.35	20.36		
15	64QAM	1	74	20.32	20.38	20.03		
15	64QAM	36	0	19.91	19.83	19.77	21	0.5
15	64QAM	36	20	19.76	19.92	19.74		
15	64QAM	36	39	19.83	19.90	19.65		
15	64QAM	75	0	19.73	19.73	19.91		
15	256QAM	1	0	17.60	17.89	17.86	19	2.5
15	256QAM	1	37	17.84	17.82	17.93		
15	256QAM	1	74	17.60	17.70	17.66		
15	256QAM	36	0	17.83	17.73	17.73	19	2.5
15	256QAM	36	20	17.83	17.69	17.69		
15	256QAM	36	39	17.62	17.71	17.73		
15	256QAM	75	0	17.63	17.79	17.72		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2570	2595	2620		
10	QPSK	1	0	20.43	20.50	20.45	21.5	0
10	QPSK	1	25	20.41	20.45	20.18		
10	QPSK	1	49	20.23	20.31	20.34		
10	QPSK	25	0	20.38	20.38	20.35	21.5	0
10	QPSK	25	12	20.35	20.32	20.16		
10	QPSK	25	25	20.23	20.31	20.33		
10	QPSK	50	0	20.22	20.41	20.34		
10	16QAM	1	0	20.27	20.33	20.19	21.5	0
10	16QAM	1	25	20.26	20.26	20.40		
10	16QAM	1	49	20.24	20.29	20.32		
10	16QAM	25	0	20.22	20.40	20.16	21.5	0
10	16QAM	25	12	20.30	20.11	20.30		
10	16QAM	25	25	20.26	20.40	20.27		
10	16QAM	50	0	20.23	20.29	20.12		
10	64QAM	1	0	20.09	20.23	20.28	21.5	0
10	64QAM	1	25	20.26	20.31	20.30		
10	64QAM	1	49	20.29	20.33	20.06		
10	64QAM	25	0	19.85	19.86	19.82	21	0.5
10	64QAM	25	12	19.84	19.86	19.67		
10	64QAM	25	25	19.80	19.92	19.78		
10	64QAM	50	0	19.74	19.71	19.78		
10	256QAM	1	0	17.67	17.72	17.91	19	2.5
10	256QAM	1	25	17.79	17.73	17.95		
10	256QAM	1	49	17.65	17.77	17.60		
10	256QAM	25	0	17.65	17.76	17.79	19	2.5
10	256QAM	25	12	17.75	17.74	17.74		
10	256QAM	25	25	17.72	17.75	17.77		
10	256QAM	50	0	17.72	17.67	17.76		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.43	20.49	20.37	21.5	0
5	QPSK	1	12	20.34	20.39	20.22		
5	QPSK	1	24	20.29	20.27	20.32		
5	QPSK	12	0	20.38	20.41	20.35	21.5	0
5	QPSK	12	7	20.32	20.28	20.25		
5	QPSK	12	13	20.34	20.17	20.34		
5	QPSK	25	0	20.21	20.48	20.27	21.5	0
5	16QAM	1	0	20.25	20.34	20.13		
5	16QAM	1	12	20.17	20.23	20.31		
5	16QAM	1	24	20.25	20.35	20.33		
5	16QAM	12	0	20.22	20.32	20.15	21.5	0
5	16QAM	12	7	20.31	20.11	20.22		
5	16QAM	12	13	20.19	20.46	20.33		
5	16QAM	25	0	20.20	20.23	20.13		
5	64QAM	1	0	20.14	20.23	20.28	21.5	0
5	64QAM	1	12	20.32	20.28	20.32		
5	64QAM	1	24	20.32	20.38	20.14		
5	64QAM	12	0	19.82	19.91	19.84	21	0.5
5	64QAM	12	7	19.80	19.92	19.70		
5	64QAM	12	13	19.83	19.87	19.78		
5	64QAM	25	0	19.79	19.86	19.79		
5	256QAM	1	0	17.59	17.76	17.91	19	2.5
5	256QAM	1	12	17.87	17.75	17.83		
5	256QAM	1	24	17.55	17.72	17.65		
5	256QAM	12	0	17.78	17.79	17.72	19	2.5
5	256QAM	12	7	17.77	17.76	17.68		
5	256QAM	12	13	17.61	17.79	17.77		
5	256QAM	25	0	17.72	17.69	17.74		

Band 41_Ant 1(ENDC)

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	22.93	22.92	22.95	22.75	22.46	24	0
20	QPSK	1	49	22.76	22.82	22.86	22.46	22.30		
20	QPSK	1	99	22.71	22.72	22.78	22.52	22.37		
20	QPSK	50	0	21.86	21.84	21.89	21.73	21.63	23	1
20	QPSK	50	24	21.83	21.84	21.84	21.72	21.58		
20	QPSK	50	50	21.84	21.78	21.85	21.71	21.60		
20	QPSK	100	0	21.77	21.77	21.82	21.44	21.40		
20	16QAM	1	0	21.82	21.92	21.75	21.49	21.25	23	1
20	16QAM	1	49	21.64	21.56	21.64	21.35	21.42		
20	16QAM	1	99	21.53	21.59	21.62	21.31	21.38		
20	16QAM	50	0	20.89	20.88	20.91	20.76	20.59	22	2
20	16QAM	50	24	20.84	20.82	20.89	20.69	20.50		
20	16QAM	50	50	20.85	20.89	20.90	20.65	20.55		
20	16QAM	100	0	20.78	20.80	20.83	20.69	20.52		
20	64QAM	1	0	21.01	21.10	21.08	20.62	20.58	22	2
20	64QAM	1	49	20.99	20.95	21.02	20.61	20.44		
20	64QAM	1	99	20.97	21.01	21.04	20.59	20.53		
20	64QAM	50	0	19.88	19.85	19.91	19.72	19.60	21	3
20	64QAM	50	24	19.78	19.85	19.88	19.70	19.59		
20	64QAM	50	50	19.86	19.88	19.90	19.71	19.56		
20	64QAM	100	0	19.76	19.76	19.84	19.70	19.55		
20	256QAM	1	0	17.89	17.86	17.85	17.99	17.84	19	5
20	256QAM	1	49	17.80	17.80	17.81	17.90	17.74		
20	256QAM	1	99	17.74	17.71	17.79	17.98	17.83		
20	256QAM	50	0	17.93	17.89	17.95	17.74	17.55	19	5
20	256QAM	50	24	17.81	17.74	17.83	17.71	17.52		
20	256QAM	50	50	17.80	17.84	17.90	17.71	17.53		
20	256QAM	100	0	17.75	17.80	17.83	17.63	17.54		
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	22.92	22.87	22.93	22.72	22.43	24	0
15	QPSK	1	37	22.67	22.84	22.78	22.47	22.30		
15	QPSK	1	74	22.69	22.74	22.82	22.56	22.40		
15	QPSK	36	0	21.81	21.77	21.82	21.77	21.55	23	1
15	QPSK	36	20	21.85	21.75	21.88	21.72	21.55		
15	QPSK	36	39	21.87	21.77	21.87	21.75	21.53		
15	QPSK	75	0	21.64	21.60	21.70	21.31	21.34		
15	16QAM	1	0	21.66	21.73	21.59	21.48	21.11	23	1
15	16QAM	1	37	21.51	21.34	21.46	21.22	21.34		
15	16QAM	1	74	21.32	21.36	21.39	21.15	21.23		
15	16QAM	36	0	20.66	20.73	20.71	20.64	20.58	22	2
15	16QAM	36	20	20.59	20.58	20.74	20.68	20.50		
15	16QAM	36	39	20.72	20.73	20.71	20.64	20.35		
15	16QAM	75	0	20.64	20.59	20.72	20.58	20.40		
15	64QAM	1	0	20.83	20.97	20.97	20.54	20.40	22	2
15	64QAM	1	37	20.75	20.81	20.79	20.44	20.34		
15	64QAM	1	74	20.75	20.83	20.81	20.45	20.33		
15	64QAM	36	0	19.68	19.68	19.79	19.53	19.46	21	3
15	64QAM	36	20	19.78	19.68	19.91	19.67	19.55		
15	64QAM	36	39	19.79	19.81	19.91	19.65	19.55		
15	64QAM	75	0	19.77	19.71	19.78	19.52	19.36		
15	256QAM	1	0	17.86	17.85	17.80	17.90	17.75	19	5
15	256QAM	1	37	17.74	17.84	17.84	17.87	17.73		
15	256QAM	1	74	17.78	17.76	17.83	17.94	17.71		
15	256QAM	36	0	17.98	17.86	17.99	17.61	17.39	19	5
15	256QAM	36	20	17.84	17.67	17.87	17.59	17.52		
15	256QAM	36	39	17.84	17.79	17.84	17.65	17.39		
15	256QAM	75	0	17.69	17.73	17.79	17.57	17.47		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	22.88	22.93	22.89	22.68	22.36	24.00	0
10	QPSK	1	25	22.75	22.86	22.80	22.43	22.20		
10	QPSK	1	49	22.65	22.69	22.77	22.42	22.30		
10	QPSK	25	0	21.87	21.87	21.80	21.69	21.55	23	1
10	QPSK	25	12	21.87	21.85	21.75	21.67	21.49		
10	QPSK	25	25	21.79	21.82	21.75	21.74	21.53		
10	QPSK	50	0	21.63	21.66	21.69	21.28	21.34		
10	16QAM	1	0	21.69	21.81	21.60	21.29	21.09	23	1
10	16QAM	1	25	21.43	21.35	21.53	21.20	21.29		
10	16QAM	1	49	21.42	21.34	21.42	21.21	21.18		
10	16QAM	25	0	20.69	20.74	20.80	20.57	20.53	22	2
10	16QAM	25	12	20.66	20.68	20.74	20.65	20.31		
10	16QAM	25	25	20.67	20.77	20.70	20.49	20.43		
10	16QAM	50	0	20.67	20.65	20.72	20.62	20.47		
10	64QAM	1	0	20.76	20.85	20.86	20.51	20.49	22	2
10	64QAM	1	25	20.81	20.81	20.84	20.53	20.29		
10	64QAM	1	49	20.86	20.85	20.80	20.41	20.42		
10	64QAM	25	0	19.66	19.65	19.76	19.62	19.53	21	3
10	64QAM	25	12	19.72	19.69	19.79	19.70	19.40		
10	64QAM	25	25	19.88	19.86	19.84	19.54	19.44		
10	64QAM	50	0	19.68	19.80	19.82	19.58	19.35		
10	256QAM	1	0	17.80	17.82	17.78	17.85	17.73	19	5
10	256QAM	1	25	17.76	17.73	17.79	17.72	17.72		
10	256QAM	1	49	17.71	17.66	17.72	17.86	17.73		
10	256QAM	25	0	17.93	17.86	17.89	17.72	17.48	19	5
10	256QAM	25	12	17.82	17.72	17.78	17.71	17.32		
10	256QAM	25	25	17.77	17.75	17.94	17.60	17.35		
10	256QAM	50	0	17.74	17.75	17.81	17.55	17.45		
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	22.83	22.89	22.94	22.74	22.48	24.00	0
5	QPSK	1	12	22.68	22.72	22.77	22.36	22.28		
5	QPSK	1	24	22.76	22.67	22.69	22.50	22.36		
5	QPSK	12	0	21.83	21.84	21.92	21.71	21.64	23	1
5	QPSK	12	7	21.80	21.80	21.86	21.71	21.59		
5	QPSK	12	13	21.86	21.78	21.78	21.76	21.61		
5	QPSK	25	0	21.61	21.56	21.61	21.31	21.31		
5	16QAM	1	0	21.70	21.72	21.63	21.38	21.07	23	1
5	16QAM	1	12	21.43	21.40	21.47	21.33	21.23		
5	16QAM	1	24	21.39	21.40	21.41	21.26	21.32		
5	16QAM	12	0	20.64	20.72	20.71	20.68	20.59	22	2
5	16QAM	12	7	20.61	20.58	20.73	20.49	20.33		
5	16QAM	12	13	20.70	20.75	20.70	20.51	20.46		
5	16QAM	25	0	20.58	20.63	20.71	20.66	20.38		
5	64QAM	1	0	20.82	20.94	20.87	20.45	20.50	22	2
5	64QAM	1	12	20.74	20.71	20.80	20.46	20.31		
5	64QAM	1	24	20.80	20.85	20.83	20.41	20.38		
5	64QAM	12	0	19.77	19.62	19.71	19.64	19.40	21	3
5	64QAM	12	7	19.79	19.72	19.80	19.52	19.55		
5	64QAM	12	13	19.78	19.85	19.92	19.63	19.47		
5	64QAM	25	0	19.72	19.69	19.88	19.70	19.43		
5	256QAM	1	0	17.88	17.88	17.87	17.80	17.84	19	5
5	256QAM	1	12	17.73	17.77	17.83	17.83	17.63		
5	256QAM	1	24	17.71	17.76	17.83	17.98	17.67		
5	256QAM	12	0	17.93	17.90	17.95	17.57	17.55	19	5
5	256QAM	12	7	17.73	17.79	17.80	17.62	17.40		
5	256QAM	12	13	17.81	17.80	17.88	17.71	17.49		
5	256QAM	25	0	17.71	17.71	17.76	17.43	17.34		

Band 41_Ant 4

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	20.58	20.73	20.78	20.67	20.65	21.5	0
20	QPSK	1	49	20.35	20.59	20.63	20.53	20.43		
20	QPSK	1	99	20.67	20.61	20.62	20.70	20.53		
20	QPSK	50	0	20.58	20.61	20.76	20.63	20.71	21.5	0
20	QPSK	50	24	20.38	20.50	20.74	20.56	20.52		
20	QPSK	50	50	20.65	20.71	20.64	20.69	20.48		
20	QPSK	100	0	20.62	20.66	20.71	20.66	20.61		
20	16QAM	1	0	20.60	20.66	20.68	20.65	20.65	21.5	0
20	16QAM	1	49	20.37	20.55	20.61	20.47	20.49		
20	16QAM	1	99	20.57	20.68	20.62	20.73	20.53		
20	16QAM	50	0	20.66	20.65	20.64	20.70	20.72	21.5	0
20	16QAM	50	24	20.40	20.59	20.72	20.53	20.52		
20	16QAM	50	50	20.57	20.70	20.70	20.64	20.46		
20	16QAM	100	0	20.62	20.63	20.75	20.60	20.72		
20	64QAM	1	0	20.63	20.74	20.74	20.69	20.68	21.5	0
20	64QAM	1	49	20.34	20.57	20.72	20.53	20.49		
20	64QAM	1	99	20.69	20.63	20.65	20.71	20.53		
20	64QAM	50	0	20.22	20.24	20.20	20.14	20.22	21	0.5
20	64QAM	50	24	20.09	20.15	20.22	20.18	20.13		
20	64QAM	50	50	19.88	20.03	20.12	19.98	19.99		
20	64QAM	100	0	20.15	20.11	20.24	20.13	19.99		
20	256QAM	1	0	18.10	18.20	18.19	18.11	18.19	19	2.5
20	256QAM	1	49	17.90	18.12	18.17	17.98	18.05		
20	256QAM	1	99	18.21	18.23	18.22	18.20	18.07		
20	256QAM	50	0	18.14	18.21	18.14	18.17	18.15	19	2.5
20	256QAM	50	24	18.21	18.14	18.16	18.17	18.12		
20	256QAM	50	50	17.91	18.11	18.22	18.02	17.93		
20	256QAM	100	0	18.16	18.12	18.23	18.18	18.07		
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	20.46	20.59	20.66	20.64	20.53	21.50	0
15	QPSK	1	37	20.29	20.44	20.56	20.38	20.42		
15	QPSK	1	74	20.56	20.54	20.54	20.68	20.44		
15	QPSK	36	0	20.55	20.50	20.66	20.50	20.60	21.5	0
15	QPSK	36	20	20.28	20.38	20.64	20.45	20.41		
15	QPSK	36	39	20.55	20.57	20.62	20.59	20.38		
15	QPSK	75	0	20.57	20.65	20.61	20.60	20.52		
15	16QAM	1	0	20.47	20.65	20.66	20.61	20.64	21.5	0
15	16QAM	1	37	20.33	20.54	20.54	20.39	20.34		
15	16QAM	1	74	20.45	20.61	20.58	20.59	20.47		
15	16QAM	36	0	20.53	20.52	20.58	20.64	20.66	21.5	0
15	16QAM	36	20	20.33	20.55	20.65	20.49	20.39		
15	16QAM	36	39	20.56	20.61	20.56	20.59	20.37		
15	16QAM	75	0	20.60	20.61	20.70	20.56	20.71		
15	64QAM	1	0	20.55	20.69	20.66	20.68	20.65	21.5	0
15	64QAM	1	37	20.27	20.54	20.65	20.49	20.35		
15	64QAM	1	74	20.68	20.52	20.64	20.62	20.47		
15	64QAM	36	0	20.07	20.22	20.14	20.00	20.07	21	0.5
15	64QAM	36	20	20.08	20.04	20.21	20.10	20.09		
15	64QAM	36	39	19.81	19.88	19.97	19.85	19.95		
15	64QAM	75	0	20.12	19.98	20.18	20.00	19.91		
15	256QAM	1	0	18.00	18.08	18.13	17.96	18.15	19	2.5
15	256QAM	1	37	17.85	18.10	18.11	17.85	18.01		
15	256QAM	1	74	18.10	18.22	18.19	18.12	18.01		
15	256QAM	36	0	18.00	18.14	18.07	18.06	18.10	19	2.5
15	256QAM	36	20	18.20	18.02	18.11	18.14	18.04		
15	256QAM	36	39	17.82	17.98	18.09	17.99	17.88		
15	256QAM	75	0	18.13	18.05	18.18	18.09	17.99		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	20.52	20.59	20.64	20.57	20.60	21.50	0
10	QPSK	1	25	20.33	20.58	20.57	20.40	20.38		
10	QPSK	1	49	20.65	20.55	20.50	20.59	20.51		
10	QPSK	25	0	20.48	20.47	20.75	20.50	20.61	21.5	0
10	QPSK	25	12	20.31	20.37	20.70	20.43	20.45		
10	QPSK	25	25	20.59	20.69	20.50	20.56	20.47		
10	QPSK	50	0	20.58	20.61	20.67	20.62	20.54		
10	16QAM	1	0	20.48	20.55	20.65	20.57	20.50	21.5	0
10	16QAM	1	25	20.33	20.54	20.55	20.43	20.43		
10	16QAM	1	49	20.46	20.54	20.58	20.59	20.48		
10	16QAM	25	0	20.64	20.57	20.53	20.57	20.61	21.5	0
10	16QAM	25	12	20.33	20.52	20.57	20.45	20.45		
10	16QAM	25	25	20.53	20.66	20.57	20.61	20.32		
10	16QAM	50	0	20.53	20.61	20.62	20.45	20.60		
10	64QAM	1	0	20.56	20.69	20.65	20.58	20.58	21.5	0
10	64QAM	1	25	20.30	20.56	20.67	20.45	20.48		
10	64QAM	1	49	20.54	20.48	20.60	20.66	20.47		
10	64QAM	25	0	20.18	20.17	20.15	20.01	20.07	21	0.5
10	64QAM	25	12	19.99	20.06	20.07	20.15	20.03		
10	64QAM	25	25	19.83	20.02	19.99	19.93	19.87		
10	64QAM	50	0	20.12	20.01	20.19	20.11	19.93		
10	256QAM	1	0	18.06	18.08	18.14	18.10	18.16	19	2.5
10	256QAM	1	25	17.85	18.08	18.12	17.89	17.92		
10	256QAM	1	49	18.17	18.12	18.08	18.13	18.01		
10	256QAM	25	0	18.09	18.13	18.09	18.16	18.03	19	2.5
10	256QAM	25	12	18.09	18.11	18.02	18.03	18.02		
10	256QAM	25	25	17.85	17.98	18.13	17.93	17.82		
10	256QAM	50	0	18.14	18.01	18.19	18.17	18.04		
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	20.57	20.60	20.76	20.54	20.51	21.50	0
5	QPSK	1	12	20.31	20.55	20.61	20.44	20.28		
5	QPSK	1	24	20.60	20.59	20.48	20.58	20.42		
5	QPSK	12	0	20.56	20.54	20.75	20.52	20.65	21.5	0
5	QPSK	12	7	20.30	20.42	20.61	20.43	20.37		
5	QPSK	12	13	20.64	20.57	20.51	20.58	20.34		
5	QPSK	25	0	20.60	20.51	20.65	20.62	20.59		
5	16QAM	1	0	20.50	20.65	20.54	20.64	20.59	21.5	0
5	16QAM	1	12	20.29	20.41	20.59	20.44	20.38		
5	16QAM	1	24	20.51	20.59	20.58	20.65	20.46		
5	16QAM	12	0	20.57	20.62	20.60	20.58	20.69	21.5	0
5	16QAM	12	7	20.34	20.53	20.68	20.40	20.42		
5	16QAM	12	13	20.44	20.69	20.67	20.52	20.44		
5	16QAM	25	0	20.47	20.56	20.66	20.53	20.62		
5	64QAM	1	0	20.60	20.69	20.65	20.58	20.67	21.5	0
5	64QAM	1	12	20.21	20.55	20.70	20.45	20.35		
5	64QAM	1	24	20.66	20.58	20.54	20.58	20.49		
5	64QAM	12	0	20.21	20.17	20.08	20.06	20.15	21	0.5
5	64QAM	12	7	19.96	20.07	20.17	20.03	19.99		
5	64QAM	12	13	19.82	20.02	19.98	19.94	19.98		
5	64QAM	25	0	20.05	19.99	20.23	20.07	19.98		
5	256QAM	1	0	18.03	18.08	18.06	17.99	18.17	19	2.5
5	256QAM	1	12	17.88	18.08	18.04	17.92	17.94		
5	256QAM	1	24	18.18	18.10	18.17	18.11	17.96		
5	256QAM	12	0	18.09	18.14	18.06	18.07	18.06	19	2.5
5	256QAM	12	7	18.06	18.04	18.06	18.12	18.02		
5	256QAM	12	13	17.77	17.99	18.11	17.87	17.78		
5	256QAM	25	0	18.14	18.02	18.18	18.15	18.01		

Band 41_HPUE_Ant 4

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	22.46	22.52	22.58	22.48	22.48	23.1	0
20	QPSK	1	49	22.57	22.55	22.53	22.51	22.47		
20	QPSK	1	99	22.57	22.45	22.48	22.50	22.47		
20	QPSK	50	0	22.37	22.46	22.53	22.39	22.42	23.1	0
20	QPSK	50	24	22.45	22.43	22.46	22.47	22.40		
20	QPSK	50	50	22.52	22.41	22.36	22.43	22.35		
20	QPSK	100	0	22.32	22.40	22.45	22.35	22.35		
20	16QAM	1	0	22.47	22.46	22.39	22.45	22.32	23.1	0
20	16QAM	1	49	22.43	22.39	22.44	22.41	22.45		
20	16QAM	1	99	22.37	22.48	22.38	22.35	22.34		
20	16QAM	50	0	22.52	22.42	22.49	22.49	22.32	23.1	0
20	16QAM	50	24	22.56	22.30	22.44	22.45	22.40		
20	16QAM	50	50	22.32	22.46	22.37	22.36	22.45		
20	16QAM	100	0	22.46	22.40	22.52	22.39	22.40		
20	64QAM	1	0	22.50	22.34	22.47	22.40	22.41	23.1	0
20	64QAM	1	49	22.44	22.37	22.47	22.43	22.42		
20	64QAM	1	99	22.48	22.46	22.50	22.40	22.41		
20	64QAM	50	0	22.50	22.38	22.46	22.46	22.33	23.1	0
20	64QAM	50	24	22.43	22.48	22.38	22.46	22.44		
20	64QAM	50	50	22.53	22.41	22.43	22.42	22.32		
20	64QAM	100	0	22.54	22.31	22.40	22.38	22.43		
20	256QAM	1	0	21.26	21.28	21.34	21.31	21.25	22	1.1
20	256QAM	1	49	21.44	21.43	21.38	21.30	21.33		
20	256QAM	1	99	21.42	21.27	21.32	21.35	21.32		
20	256QAM	50	0	21.32	21.29	21.35	21.33	21.23	22	1.1
20	256QAM	50	24	21.32	21.39	21.24	21.24	21.33		
20	256QAM	50	50	21.32	21.40	21.33	21.39	21.29		
20	256QAM	100	0	21.43	21.21	21.28	21.36	21.23		
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	22.32	22.47	22.41	22.41	22.33	23.10	0
15	QPSK	1	37	22.44	22.54	22.47	22.40	22.33		
15	QPSK	1	74	22.49	22.33	22.34	22.40	22.45		
15	QPSK	36	0	22.33	22.32	22.46	22.26	22.40	23.1	0
15	QPSK	36	20	22.40	22.39	22.36	22.37	22.39		
15	QPSK	36	39	22.48	22.27	22.32	22.31	22.33		
15	QPSK	75	0	22.19	22.27	22.38	22.31	22.27		
15	16QAM	1	0	22.42	22.31	22.30	22.31	22.21	23.1	0
15	16QAM	1	37	22.34	22.26	22.41	22.32	22.38		
15	16QAM	1	74	22.32	22.39	22.34	22.25	22.23		
15	16QAM	36	0	22.45	22.31	22.35	22.46	22.18	23.1	0
15	16QAM	36	20	22.47	22.26	22.34	22.38	22.29		
15	16QAM	36	39	22.24	22.41	22.26	22.30	22.41		
15	16QAM	75	0	22.38	22.35	22.46	22.37	22.28		
15	64QAM	1	0	22.38	22.26	22.43	22.31	22.30	23.1	0
15	64QAM	1	37	22.42	22.25	22.39	22.29	22.29		
15	64QAM	1	74	22.47	22.31	22.35	22.37	22.28		
15	64QAM	36	0	22.39	22.36	22.37	22.35	22.19	23.1	0
15	64QAM	36	20	22.37	22.41	22.25	22.37	22.42		
15	64QAM	36	39	22.47	22.29	22.30	22.34	22.22		
15	64QAM	75	0	22.48	22.16	22.27	22.31	22.40		
15	256QAM	1	0	21.19	21.15	21.24	21.28	21.20	22	1.1
15	256QAM	1	37	21.34	21.28	21.36	21.26	21.22		
15	256QAM	1	74	21.36	21.12	21.19	21.25	21.19		
15	256QAM	36	0	21.21	21.23	21.20	21.20	21.09	22	1.1
15	256QAM	36	20	21.19	21.25	21.16	21.09	21.27		
15	256QAM	36	39	21.17	21.39	21.22	21.32	21.15		
15	256QAM	75	0	21.41	21.18	21.19	21.24	21.18		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	22.41	22.49	22.48	22.47	22.38	23.10	0
10	QPSK	1	25	22.51	22.42	22.48	22.39	22.45		
10	QPSK	1	49	22.42	22.40	22.41	22.39	22.36		
10	QPSK	25	0	22.27	22.33	22.40	22.38	22.34	23.1	0
10	QPSK	25	12	22.34	22.38	22.44	22.44	22.31		
10	QPSK	25	25	22.41	22.34	22.21	22.34	22.23		
10	QPSK	50	0	22.21	22.31	22.34	22.33	22.31		
10	16QAM	1	0	22.40	22.43	22.30	22.32	22.17	23.1	0
10	16QAM	1	25	22.38	22.30	22.36	22.37	22.33		
10	16QAM	1	49	22.28	22.45	22.29	22.23	22.33		
10	16QAM	25	0	22.51	22.38	22.39	22.35	22.31	23.1	0
10	16QAM	25	12	22.43	22.23	22.34	22.41	22.39		
10	16QAM	25	25	22.19	22.33	22.35	22.34	22.44		
10	16QAM	50	0	22.35	22.35	22.42	22.28	22.32		
10	64QAM	1	0	22.41	22.22	22.41	22.29	22.28	23.1	0
10	64QAM	1	25	22.39	22.27	22.42	22.31	22.36		
10	64QAM	1	49	22.36	22.38	22.41	22.25	22.32		
10	64QAM	25	0	22.48	22.24	22.41	22.31	22.26	23.1	0
10	64QAM	25	12	22.42	22.38	22.35	22.37	22.31		
10	64QAM	25	25	22.46	22.29	22.29	22.39	22.23		
10	64QAM	50	0	22.50	22.18	22.35	22.23	22.39		
10	256QAM	1	0	21.11	21.19	21.29	21.22	21.17	22	1.1
10	256QAM	1	25	21.31	21.38	21.35	21.29	21.22		
10	256QAM	1	49	21.40	21.25	21.23	21.28	21.21		
10	256QAM	25	0	21.19	21.20	21.22	21.24	21.16	22	1.1
10	256QAM	25	12	21.28	21.37	21.21	21.15	21.30		
10	256QAM	25	25	21.30	21.30	21.28	21.32	21.28		
10	256QAM	50	0	21.40	21.16	21.16	21.32	21.13		
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	22.33	22.45	22.45	22.45	22.42	23.10	0
5	QPSK	1	12	22.51	22.50	22.44	22.36	22.32		
5	QPSK	1	24	22.54	22.34	22.40	22.43	22.46		
5	QPSK	12	0	22.25	22.41	22.45	22.27	22.41	23.1	0
5	QPSK	12	7	22.42	22.41	22.36	22.38	22.29		
5	QPSK	12	13	22.39	22.36	22.32	22.41	22.33		
5	QPSK	25	0	22.19	22.37	22.43	22.27	22.27		
5	16QAM	1	0	22.43	22.42	22.25	22.40	22.29	23.1	0
5	16QAM	1	12	22.38	22.24	22.38	22.36	22.44		
5	16QAM	1	24	22.33	22.46	22.36	22.22	22.24		
5	16QAM	12	0	22.50	22.37	22.46	22.37	22.18	23.1	0
5	16QAM	12	7	22.43	22.19	22.38	22.31	22.31		
5	16QAM	12	13	22.29	22.32	22.23	22.24	22.31		
5	16QAM	25	0	22.45	22.26	22.46	22.34	22.29		
5	64QAM	1	0	22.41	22.27	22.46	22.27	22.38	23.1	0
5	64QAM	1	12	22.34	22.36	22.32	22.42	22.31		
5	64QAM	1	24	22.41	22.31	22.45	22.33	22.32		
5	64QAM	12	0	22.48	22.24	22.39	22.43	22.27	23.1	0
5	64QAM	12	7	22.36	22.39	22.25	22.38	22.32		
5	64QAM	12	13	22.51	22.32	22.42	22.30	22.19		
5	64QAM	25	0	22.40	22.27	22.38	22.34	22.32		
5	256QAM	1	0	21.24	21.21	21.20	21.16	21.17	22	1.1
5	256QAM	1	12	21.42	21.31	21.27	21.17	21.21		
5	256QAM	1	24	21.29	21.19	21.18	21.33	21.27		
5	256QAM	12	0	21.26	21.25	21.20	21.31	21.19	22	1.1
5	256QAM	12	7	21.25	21.24	21.17	21.23	21.19		
5	256QAM	12	13	21.18	21.31	21.18	21.34	21.15		
5	256QAM	25	0	21.37	21.09	21.23	21.27	21.09		

Reduced Power for DSI 7

Band 7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	12.21	12.35	12.18		
20	QPSK	1	49	12.04	12.30	12.12	13.5	0
20	QPSK	1	99	12.07	12.15	12.17		
20	QPSK	50	0	12.19	12.31	12.11		
20	QPSK	50	24	12.06	12.26	11.99	13.5	0
20	QPSK	50	50	12.02	12.24	12.10		
20	QPSK	100	0	12.15	12.25	12.15		
20	16QAM	1	0	12.01	12.34	12.06		
20	16QAM	1	49	11.97	12.17	12.13	13.5	0
20	16QAM	1	99	12.20	12.22	12.21		
20	16QAM	50	0	12.11	12.26	12.03		
20	16QAM	50	24	12.10	12.18	12.17	13.5	0
20	16QAM	50	50	12.12	12.30	12.23		
20	16QAM	100	0	12.00	12.26	12.07		
20	64QAM	1	0	12.10	12.19	12.09		
20	64QAM	1	49	12.17	12.31	12.17	13.5	0
20	64QAM	1	99	12.12	12.32	12.01		
20	64QAM	50	0	12.09	12.25	12.14		
20	64QAM	50	24	12.08	12.27	12.19	13.5	0
20	64QAM	50	50	12.03	12.32	11.99		
20	64QAM	100	0	12.00	12.25	12.10		
20	256QAM	1	0	12.12	12.24	12.20		
20	256QAM	1	49	11.99	12.22	12.02	13.5	0
20	256QAM	1	99	12.08	12.18	12.10		
20	256QAM	50	0	12.12	12.34	12.12		
20	256QAM	50	24	12.13	12.34	12.22	13.5	0
20	256QAM	50	50	12.10	12.33	12.06		
20	256QAM	100	0	12.02	12.17	12.16		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	12.06	12.07	12.05		
15	QPSK	1	37	11.92	12.14	11.97	13.5	0
15	QPSK	1	74	11.83	12.01	11.96		
15	QPSK	36	0	11.96	12.18	11.93		
15	QPSK	36	20	11.81	12.15	11.81	13.5	0
15	QPSK	36	39	11.78	12.07	11.89		
15	QPSK	75	0	12.00	12.06	11.94		
15	16QAM	1	0	11.81	12.11	11.90		
15	16QAM	1	37	11.79	11.96	11.90	13.5	0
15	16QAM	1	74	12.01	12.03	11.96		
15	16QAM	36	0	11.87	12.15	11.85		
15	16QAM	36	20	11.92	12.06	11.95	13.5	0
15	16QAM	36	39	12.13	12.13	12.22		
15	16QAM	75	0	11.97	12.25	12.01		
15	64QAM	1	0	12.11	12.14	12.03		
15	64QAM	1	37	12.20	12.32	12.17	13.5	0
15	64QAM	1	74	12.05	12.26	11.92		
15	64QAM	36	0	12.05	12.29	12.17		
15	64QAM	36	20	12.00	12.28	12.14	13.5	0
15	64QAM	36	39	12.03	12.32	11.94		
15	64QAM	75	0	12.04	12.23	12.07		
15	256QAM	1	0	12.08	12.23	12.19		
15	256QAM	1	37	11.94	12.27	12.05	13.5	0
15	256QAM	1	74	12.02	12.19	12.08		
15	256QAM	36	0	12.15	12.27	12.07		
15	256QAM	36	20	12.07	12.30	12.20	13.5	0
15	256QAM	36	39	12.01	12.26	12.04		
15	256QAM	75	0	11.96	12.15	12.19		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	11.99	12.13	12.01		
10	QPSK	1	25	11.83	12.08	11.99	13.5	0
10	QPSK	1	49	11.93	12.01	11.92		
10	QPSK	25	0	11.96	12.11	11.96		
10	QPSK	25	12	11.86	12.04	11.84	13.5	0
10	QPSK	25	25	11.77	12.09	11.89		
10	QPSK	50	0	11.99	12.00	12.02		
10	16QAM	1	0	11.89	12.18	11.88		
10	16QAM	1	25	11.72	11.96	11.97	13.5	0
10	16QAM	1	49	12.00	12.07	12.06		
10	16QAM	25	0	11.95	12.11	11.83		
10	16QAM	25	12	11.90	12.03	12.03	13.5	0
10	16QAM	25	25	12.05	12.09	12.14		
10	16QAM	50	0	12.03	12.18	12.10		
10	64QAM	1	0	12.08	12.22	12.06		
10	64QAM	1	25	12.08	12.32	12.11	13.5	0
10	64QAM	1	49	12.15	12.31	12.06		
10	64QAM	25	0	12.06	12.23	12.12		
10	64QAM	25	12	12.06	12.23	12.12	13.5	0
10	64QAM	25	25	12.08	12.24	11.90		
10	64QAM	50	0	11.93	12.26	12.13		
10	256QAM	1	0	12.13	12.28	12.24		
10	256QAM	1	25	12.02	12.22	11.96	13.5	0
10	256QAM	1	49	12.13	12.12	12.05		
10	256QAM	25	0	12.12	12.25	12.15		
10	256QAM	25	12	12.09	12.33	12.14	13.5	0
10	256QAM	25	25	12.08	12.32	12.01		
10	256QAM	50	0	11.98	12.11	12.19		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	12.08	12.21	12.07		
5	QPSK	1	12	11.92	12.08	11.94	13.5	0
5	QPSK	1	24	11.87	11.92	11.96		
5	QPSK	12	0	12.08	12.08	11.96		
5	QPSK	12	7	11.90	12.06	11.78	13.5	0
5	QPSK	12	13	11.88	12.04	11.93		
5	QPSK	25	0	11.95	12.14	12.04		
5	16QAM	1	0	11.87	12.09	11.93		
5	16QAM	1	12	11.77	11.95	11.89	13.5	0
5	16QAM	1	24	12.08	11.97	11.96		
5	16QAM	12	0	12.00	12.14	11.89		
5	16QAM	12	7	11.98	11.95	12.02	13.5	0
5	16QAM	12	13	12.14	12.14	12.15		
5	16QAM	25	0	11.99	12.18	12.12		
5	64QAM	1	0	12.05	12.10	12.10		
5	64QAM	1	12	12.12	12.29	12.15	13.5	0
5	64QAM	1	24	12.08	12.30	11.96		
5	64QAM	12	0	12.12	12.24	12.10		
5	64QAM	12	7	11.99	12.28	12.17	13.5	0
5	64QAM	12	13	11.96	12.25	11.99		
5	64QAM	25	0	11.92	12.25	12.07		
5	256QAM	1	0	12.09	12.20	12.23		
5	256QAM	1	12	11.99	12.22	11.99	13.5	0
5	256QAM	1	24	12.00	12.15	12.01		
5	256QAM	12	0	12.15	12.25	12.12		
5	256QAM	12	7	12.15	12.29	12.26	13.5	0
5	256QAM	12	13	12.11	12.27	12.00		
5	256QAM	25	0	11.97	12.11	12.13		

Band 38_Ant 1(ENDC)

BW [MHz]	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)				2545	2560	2575		
20	QPSK	1	0	19.41	19.56	19.40	21	0
20	QPSK	1	49	19.27	19.38	19.39		
20	QPSK	1	99	19.37	19.51	19.29		
20	QPSK	50	0	19.39	19.44	19.37	21	0
20	QPSK	50	24	19.33	19.41	19.29		
20	QPSK	50	50	19.33	19.33	19.24		
20	QPSK	100	0	19.37	19.33	19.30		
20	16QAM	1	0	19.35	19.30	19.36	21	0
20	16QAM	1	49	19.31	19.34	19.23		
20	16QAM	1	99	19.37	19.47	19.32		
20	16QAM	50	0	19.31	19.33	19.29	21	0
20	16QAM	50	24	19.45	19.35	19.23		
20	16QAM	50	50	19.43	19.46	19.33		
20	16QAM	100	0	19.28	19.29	19.39		
20	64QAM	1	0	19.38	19.37	19.25	21	0
20	64QAM	1	49	19.51	19.49	19.37		
20	64QAM	1	99	19.31	19.39	19.33		
20	64QAM	50	0	19.39	19.45	19.33	21	0
20	64QAM	50	24	19.45	19.50	19.34		
20	64QAM	50	50	19.31	19.37	19.29		
20	64QAM	100	0	19.38	19.32	19.28		
20	256QAM	1	0	17.49	17.55	17.40	19	2
20	256QAM	1	49	17.25	17.34	17.28		
20	256QAM	1	99	17.45	17.31	17.29		
20	256QAM	50	0	17.44	17.55	17.31	19	2
20	256QAM	50	24	17.50	17.48	17.37		
20	256QAM	50	50	17.23	17.35	17.32		
20	256QAM	100	0	17.37	17.45	17.29		
Channel				37750	38000	38250	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.26	19.44	19.27	21	0
15	QPSK	1	37	19.06	19.26	19.17		
15	QPSK	1	74	19.20	19.18	19.04		
15	QPSK	36	0	19.26	19.20	19.18	21	0
15	QPSK	36	20	19.17	19.19	19.06		
15	QPSK	36	39	19.20	19.08	19.12		
15	QPSK	75	0	19.21	19.30	19.09	21	0
15	16QAM	1	0	19.16	19.10	19.13		
15	16QAM	1	37	19.16	19.20	19.11		
15	16QAM	1	74	19.18	19.25	19.17		
15	16QAM	36	0	19.06	19.21	19.16	21	0
15	16QAM	36	20	19.27	19.14	19.08		
15	16QAM	36	39	19.41	19.25	19.30		
15	16QAM	75	0	19.28	19.23	19.43	21	0
15	64QAM	1	0	19.37	19.41	19.29		
15	64QAM	1	37	19.53	19.43	19.37		
15	64QAM	1	74	19.31	19.34	19.33		
15	64QAM	36	0	19.41	19.37	19.32	21	0
15	64QAM	36	20	19.41	19.51	19.33		
15	64QAM	36	39	19.31	19.36	19.30		
15	64QAM	75	0	19.34	19.33	19.31	21	0
15	256QAM	1	0	17.44	17.47	17.37		
15	256QAM	1	37	17.27	17.32	17.21	19	2
15	256QAM	1	74	17.42	17.28	17.24		
15	256QAM	36	0	17.37	17.49	17.33	19	2
15	256QAM	36	20	17.55	17.40	17.42		
15	256QAM	36	39	17.21	17.35	17.31		
15	256QAM	75	0	17.35	17.48	17.20		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2555	2595	2615		
10	QPSK	1	0	19.26	19.39	19.26	21	0
10	QPSK	1	25	19.06	19.19	19.15		
10	QPSK	1	49	19.13	19.07	19.17		
10	QPSK	25	0	19.24	19.25	19.14	21	0
10	QPSK	25	12	19.22	19.25	19.15		
10	QPSK	25	25	19.15	19.16	19.01		
10	QPSK	50	0	19.19	19.35	19.16		
10	16QAM	1	0	19.13	19.15	19.22	21	0
10	16QAM	1	25	19.13	19.09	19.08		
10	16QAM	1	49	19.17	19.33	19.21		
10	16QAM	25	0	19.10	19.19	19.17	21	0
10	16QAM	25	12	19.36	19.15	19.01		
10	16QAM	25	25	19.36	19.21	19.36		
10	16QAM	50	0	19.27	19.27	19.33		
10	64QAM	1	0	19.30	19.37	19.30	21	0
10	64QAM	1	25	19.50	19.48	19.40		
10	64QAM	1	49	19.33	19.35	19.35		
10	64QAM	25	0	19.41	19.45	19.24	21	0
10	64QAM	25	12	19.38	19.43	19.39		
10	64QAM	25	25	19.36	19.33	19.23		
10	64QAM	50	0	19.38	19.28	19.24		
10	256QAM	1	0	17.45	17.50	17.38	19	2
10	256QAM	1	25	17.20	17.25	17.27		
10	256QAM	1	49	17.38	17.31	17.22		
10	256QAM	25	0	17.46	17.51	17.36	19	2
10	256QAM	25	12	17.49	17.39	17.41		
10	256QAM	25	25	17.14	17.39	17.31		
10	256QAM	50	0	17.35	17.48	17.21		
Channel				37750	38000	38250	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.28	19.31	19.29	21	0
5	QPSK	1	12	19.06	19.25	19.24		
5	QPSK	1	24	19.17	19.06	19.11		
5	QPSK	12	0	19.20	19.19	19.26	21	0
5	QPSK	12	7	19.21	19.23	19.09		
5	QPSK	12	13	19.26	19.08	19.04		
5	QPSK	25	0	19.13	19.37	19.19		
5	16QAM	1	0	19.24	19.19	19.17	21	0
5	16QAM	1	12	19.16	19.11	19.12		
5	16QAM	1	24	19.13	19.35	19.18		
5	16QAM	12	0	19.08	19.13	19.15	21	0
5	16QAM	12	7	19.21	19.15	19.12		
5	16QAM	12	13	19.48	19.21	19.35		
5	16QAM	25	0	19.21	19.34	19.36		
5	64QAM	1	0	19.37	19.35	19.30	21	0
5	64QAM	1	12	19.47	19.41	19.29		
5	64QAM	1	24	19.23	19.31	19.24		
5	64QAM	12	0	19.32	19.37	19.24	21	0
5	64QAM	12	7	19.44	19.45	19.30		
5	64QAM	12	13	19.36	19.39	19.28		
5	64QAM	25	0	19.33	19.28	19.29		
5	256QAM	1	0	17.50	17.55	17.35	19	2
5	256QAM	1	12	17.20	17.27	17.24		
5	256QAM	1	24	17.36	17.30	17.20		
5	256QAM	12	0	17.40	17.52	17.27	19	2
5	256QAM	12	7	17.46	17.49	17.28		
5	256QAM	12	13	17.25	17.40	17.26		
5	256QAM	25	0	17.38	17.49	17.26		

Band 38_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2545	2560	2575		
20	QPSK	1	0	13.48	13.58	13.51	14.5	0
20	QPSK	1	49	13.57	13.50	13.50		
20	QPSK	1	99	13.57	13.56	13.49		
20	QPSK	50	0	13.55	13.55	13.50	14.5	0
20	QPSK	50	24	13.48	13.41	13.43		
20	QPSK	50	50	13.43	13.48	13.41		
20	QPSK	100	0	13.41	13.50	13.49		
20	16QAM	1	0	13.43	13.41	13.46	14.5	0
20	16QAM	1	49	13.48	13.53	13.39		
20	16QAM	1	99	13.42	13.38	13.53		
20	16QAM	50	0	13.46	13.44	13.43	14.5	0
20	16QAM	50	24	13.42	13.52	13.35		
20	16QAM	50	50	13.44	13.51	13.56		
20	16QAM	100	0	13.49	13.47	13.48		
20	64QAM	1	0	13.52	13.53	13.43	14.5	0
20	64QAM	1	49	13.38	13.50	13.50		
20	64QAM	1	99	13.45	13.42	13.36		
20	64QAM	50	0	13.43	13.45	13.34	14.5	0
20	64QAM	50	24	13.46	13.42	13.53		
20	64QAM	50	50	13.47	13.36	13.39		
20	64QAM	100	0	13.56	13.51	13.34		
20	256QAM	1	0	13.42	13.46	13.45	14.5	0
20	256QAM	1	49	13.48	13.41	13.44		
20	256QAM	1	99	13.55	13.46	13.43		
20	256QAM	50	0	13.40	13.44	13.52	14.5	0
20	256QAM	50	24	13.40	13.38	13.53		
20	256QAM	50	50	13.50	13.48	13.37		
20	256QAM	100	0	13.48	13.41	13.42		
Channel				37750	38000	38250	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	13.43	13.54	13.55	14.5	0
15	QPSK	1	37	13.48	13.37	13.38		
15	QPSK	1	74	13.49	13.50	13.37		
15	QPSK	36	0	13.23	13.48	13.40	14.5	0
15	QPSK	36	20	13.38	13.31	13.31		
15	QPSK	36	39	13.41	13.37	13.28		
15	QPSK	75	0	13.33	13.37	13.35	14.5	0
15	16QAM	1	0	13.30	13.32	13.34		
15	16QAM	1	37	13.43	13.47	13.28		
15	16QAM	1	74	13.41	13.34	13.44		
15	16QAM	36	0	13.40	13.31	13.37	14.5	0
15	16QAM	36	20	13.29	13.51	13.30		
15	16QAM	36	39	13.30	13.48	13.55		
15	16QAM	75	0	13.41	13.45	13.33	14.5	0
15	64QAM	1	0	13.47	13.38	13.33		
15	64QAM	1	37	13.35	13.41	13.48		
15	64QAM	1	74	13.36	13.38	13.30		
15	64QAM	36	0	13.38	13.40	13.26	14.5	0
15	64QAM	36	20	13.26	13.34	13.51		
15	64QAM	36	39	13.40	13.22	13.29		
15	64QAM	75	0	13.43	13.36	13.28	14.5	0
15	256QAM	1	0	13.27	13.42	13.30		
15	256QAM	1	37	13.37	13.26	13.36		
15	256QAM	1	74	13.43	13.38	13.41		
15	256QAM	36	0	13.39	13.40	13.36	14.5	0
15	256QAM	36	20	13.33	13.37	13.51		
15	256QAM	36	39	13.35	13.45	13.32		
15	256QAM	75	0	13.39	13.27	13.33		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2555	2595	2615		
10	QPSK	1	0	13.36	13.51	13.51	14.5	0
10	QPSK	1	25	13.53	13.35	13.36		
10	QPSK	1	49	13.53	13.48	13.38		
10	QPSK	25	0	13.30	13.45	13.46	14.5	0
10	QPSK	25	12	13.40	13.35	13.35		
10	QPSK	25	25	13.41	13.34	13.38		
10	QPSK	50	0	13.35	13.39	13.39		
10	16QAM	1	0	13.34	13.28	13.35	14.5	0
10	16QAM	1	25	13.43	13.48	13.35		
10	16QAM	1	49	13.38	13.37	13.42		
10	16QAM	25	0	13.44	13.29	13.28	14.5	0
10	16QAM	25	12	13.29	13.45	13.21		
10	16QAM	25	25	13.42	13.42	13.50		
10	16QAM	50	0	13.37	13.44	13.33		
10	64QAM	1	0	13.48	13.52	13.40	14.5	0
10	64QAM	1	25	13.34	13.45	13.39		
10	64QAM	1	49	13.39	13.37	13.22		
10	64QAM	25	0	13.30	13.38	13.22	14.5	0
10	64QAM	25	12	13.30	13.29	13.56		
10	64QAM	25	25	13.41	13.32	13.36		
10	64QAM	50	0	13.48	13.41	13.31		
10	256QAM	1	0	13.29	13.40	13.30	14.5	0
10	256QAM	1	25	13.42	13.28	13.35		
10	256QAM	1	49	13.53	13.43	13.28		
10	256QAM	25	0	13.33	13.30	13.46	14.5	0
10	256QAM	25	12	13.38	13.30	13.52		
10	256QAM	25	25	13.42	13.44	13.28		
10	256QAM	50	0	13.39	13.30	13.29		
Channel				37750	38000	38250	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	13.38	13.51	13.51	14.5	0
5	QPSK	1	12	13.53	13.35	13.36		
5	QPSK	1	24	13.53	13.48	13.38		
5	QPSK	12	0	13.30	13.45	13.46	14.5	0
5	QPSK	12	7	13.40	13.35	13.35		
5	QPSK	12	13	13.41	13.34	13.38		
5	QPSK	25	0	13.35	13.39	13.38		
5	16QAM	1	0	13.34	13.28	13.35	14.5	0
5	16QAM	1	12	13.43	13.48	13.35		
5	16QAM	1	24	13.38	13.37	13.42		
5	16QAM	12	0	13.44	13.29	13.28	14.5	0
5	16QAM	12	7	13.29	13.45	13.21		
5	16QAM	12	13	13.42	13.52	13.50		
5	16QAM	25	0	13.37	13.44	13.33		
5	64QAM	1	0	13.48	13.52	13.40	14.5	0
5	64QAM	1	12	13.34	13.45	13.39		
5	64QAM	1	24	13.39	13.37	13.22		
5	64QAM	12	0	13.30	13.36	13.22	14.5	0
5	64QAM	12	7	13.30	13.29	13.56		
5	64QAM	12	13	13.41	13.32	13.36		
5	64QAM	25	0	13.48	13.41	13.31		
5	256QAM	1	0	13.29	13.40	13.30	14.5	0
5	256QAM	1	12	13.42	13.28	13.35		
5	256QAM	1	24	13.53	13.43	13.28		
5	256QAM	12	0	13.33	13.30	13.46	14.5	0
5	256QAM	12	7	13.38	13.30	13.52		
5	256QAM	12	13	13.42	13.44	13.28		
5	256QAM	25	0	13.39	13.30	13.29		

Band 41_Ant 1(ENDC)

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	19.70	19.81	19.85	19.62	19.35	21	0
20	QPSK	1	49	19.63	19.65	19.63	19.36	19.28		
20	QPSK	1	99	19.52	19.58	19.62	19.40	19.25		
20	QPSK	50	0	19.80	19.69	19.81	19.55	19.43	21	0
20	QPSK	50	24	19.57	19.61	19.61	19.31	19.17		
20	QPSK	50	50	19.48	19.47	19.58	19.41	19.30		
20	QPSK	100	0	19.68	19.72	19.79	19.57	19.45		
20	16QAM	1	0	19.64	19.65	19.75	19.45	19.14	21	0
20	16QAM	1	49	19.56	19.56	19.66	19.42	19.28		
20	16QAM	1	99	19.82	19.72	19.84	19.57	19.41		
20	16QAM	50	0	19.64	19.57	19.66	19.32	19.21	21	0
20	16QAM	50	24	19.60	19.48	19.60	19.36	19.25		
20	16QAM	50	50	19.70	19.69	19.72	19.69	19.28		
20	16QAM	100	0	19.61	19.57	19.73	19.40	19.25		
20	64QAM	1	0	19.57	19.61	19.60	19.45	19.33	21	0
20	64QAM	1	49	19.68	19.75	19.84	19.63	19.37		
20	64QAM	1	99	19.65	19.67	19.74	19.31	19.24		
20	64QAM	50	0	19.55	19.52	19.64	19.38	19.28	21	0
20	64QAM	50	24	19.70	19.67	19.79	19.61	19.43		
20	64QAM	50	50	19.58	19.67	19.64	19.29	19.21		
20	64QAM	100	0	19.55	19.59	19.57	19.43	19.18		
20	256QAM	1	0	17.69	17.76	17.78	17.74	17.34	19	2
20	256QAM	1	49	17.52	17.69	17.63	17.40	17.27		
20	256QAM	1	99	17.54	17.52	17.53	17.39	17.30		
20	256QAM	50	0	17.75	17.71	17.72	17.72	17.38	19	2
20	256QAM	50	24	17.77	17.80	17.70	17.65	17.37		
20	256QAM	50	50	17.62	17.67	17.66	17.37	17.17		
20	256QAM	100	0	17.48	17.56	17.57	17.46	17.32		
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	19.46	19.66	19.57	19.50	19.16	21	0
15	QPSK	1	37	19.50	19.40	19.39	19.17	19.11		
15	QPSK	1	74	19.40	19.40	19.38	19.20	19.13		
15	QPSK	36	0	19.64	19.57	19.63	19.55	19.36	21	0
15	QPSK	36	20	19.43	19.50	19.40	19.15	19.16		
15	QPSK	36	39	19.34	19.23	19.40	19.39	19.17		
15	QPSK	75	0	19.47	19.48	19.60	19.42	19.42		
15	16QAM	1	0	19.44	19.46	19.59	19.37	19.11	21	0
15	16QAM	1	37	19.45	19.43	19.48	19.29	19.18		
15	16QAM	1	74	19.59	19.48	19.73	19.46	19.27		
15	16QAM	36	0	19.49	19.42	19.44	19.23	19.06	21	0
15	16QAM	36	20	19.38	19.31	19.44	19.31	19.21		
15	16QAM	36	39	19.70	19.44	19.76	19.52	19.16		
15	16QAM	75	0	19.64	19.61	19.64	19.23	19.05		
15	64QAM	1	0	19.57	19.57	19.52	19.26	19.25	21	0
15	64QAM	1	37	19.71	19.69	19.76	19.63	19.21		
15	64QAM	1	74	19.57	19.66	19.78	19.11	19.17		
15	64QAM	36	0	19.56	19.45	19.63	19.31	19.17	21	0
15	64QAM	36	20	19.75	19.62	19.70	19.46	19.39		
15	64QAM	36	39	19.49	19.60	19.55	19.20	19.15		
15	64QAM	75	0	19.48	19.51	19.58	19.33	19.13		
15	256QAM	1	0	17.64	17.67	17.73	17.66	17.28	19	2
15	256QAM	1	37	17.47	17.68	17.56	17.35	17.20		
15	256QAM	1	74	17.50	17.45	17.49	17.21	17.19		
15	256QAM	36	0	17.73	17.73	17.67	17.57	17.35	19	2
15	256QAM	36	20	17.78	17.81	17.65	17.55	17.37		
15	256QAM	36	39	17.63	17.69	17.63	17.35	17.15		
15	256QAM	75	0	17.53	17.59	17.50	17.34	17.16		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.54	19.57	19.60	19.60	19.33	21.00	0
10	QPSK	1	25	19.52	19.45	19.40	19.31	19.18		
10	QPSK	1	49	19.41	19.44	19.44	19.25	19.14		
10	QPSK	25	0	19.56	19.55	19.67	19.53	19.38	21	0
10	QPSK	25	12	19.44	19.50	19.36	19.16	19.01		
10	QPSK	25	25	19.26	19.22	19.44	19.26	19.27		
10	QPSK	50	0	19.51	19.57	19.62	19.52	19.26		
10	16QAM	1	0	19.45	19.42	19.64	19.28	19.03	21	0
10	16QAM	1	25	19.38	19.42	19.50	19.37	19.19		
10	16QAM	1	49	19.69	19.57	19.61	19.38	19.27		
10	16QAM	25	0	19.52	19.39	19.46	19.22	19.21	21	0
10	16QAM	25	12	19.36	19.33	19.43	19.23	19.13		
10	16QAM	25	25	19.68	19.50	19.68	19.63	19.14		
10	16QAM	50	0	19.63	19.52	19.67	19.27	19.08		
10	64QAM	1	0	19.59	19.63	19.54	19.25	19.24	21	0
10	64QAM	1	25	19.64	19.66	19.75	19.57	19.18		
10	64QAM	1	49	19.59	19.59	19.67	19.25	19.10		
10	64QAM	25	0	19.52	19.54	19.55	19.18	19.16	21	0
10	64QAM	25	12	19.72	19.60	19.71	19.57	19.36		
10	64QAM	25	25	19.53	19.72	19.58	19.23	19.01		
10	64QAM	50	0	19.58	19.54	19.61	19.24	19.02		
10	256QAM	1	0	17.72	17.67	17.79	17.71	17.15	19	2
10	256QAM	1	25	17.54	17.62	17.62	17.36	17.14		
10	256QAM	1	49	17.52	17.52	17.55	17.33	17.12		
10	256QAM	25	0	17.80	17.67	17.65	17.63	17.18	19	2
10	256QAM	25	12	17.69	17.73	17.68	17.63	17.37		
10	256QAM	25	25	17.67	17.60	17.64	17.32	17.17		
10	256QAM	50	0	17.47	17.59	17.58	17.43	17.23		
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	19.53	19.68	19.55	19.50	19.24	21.00	0
5	QPSK	1	12	19.52	19.48	19.51	19.36	19.16		
5	QPSK	1	24	19.27	19.39	19.46	19.34	19.10		
5	QPSK	12	0	19.62	19.50	19.56	19.40	19.40	21	0
5	QPSK	12	7	19.42	19.40	19.36	19.31	19.09		
5	QPSK	12	13	19.24	19.27	19.39	19.40	19.12		
5	QPSK	25	0	19.55	19.58	19.64	19.53	19.44		
5	16QAM	1	0	19.41	19.44	19.55	19.27	19.03	21	0
5	16QAM	1	12	19.36	19.31	19.52	19.28	19.28		
5	16QAM	1	24	19.59	19.50	19.68	19.47	19.35		
5	16QAM	12	0	19.39	19.34	19.46	19.14	19.13	21	0
5	16QAM	12	7	19.39	19.35	19.48	19.21	19.23		
5	16QAM	12	13	19.74	19.45	19.66	19.62	19.20		
5	16QAM	25	0	19.53	19.62	19.69	19.21	19.18		
5	64QAM	1	0	19.54	19.58	19.57	19.29	19.15	21	0
5	64QAM	1	12	19.64	19.72	19.82	19.43	19.31		
5	64QAM	1	24	19.67	19.65	19.74	19.29	19.06		
5	64QAM	12	0	19.56	19.47	19.60	19.31	19.26	21	0
5	64QAM	12	7	19.69	19.58	19.77	19.50	19.35		
5	64QAM	12	13	19.51	19.70	19.62	19.20	19.13		
5	64QAM	25	0	19.49	19.55	19.57	19.31	19.05		
5	256QAM	1	0	17.68	17.79	17.74	17.54	17.33	19	2
5	256QAM	1	12	17.57	17.65	17.55	17.34	17.07		
5	256QAM	1	24	17.56	17.44	17.56	17.36	17.15		
5	256QAM	12	0	17.72	17.71	17.71	17.72	17.22	19	2
5	256QAM	12	7	17.68	17.78	17.71	17.56	17.21		
5	256QAM	12	13	17.61	17.63	17.69	17.26	17.09		
5	256QAM	25	0	17.51	17.47	17.60	17.44	17.12		

Band 41_Ant 4

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	13.76	13.78	13.80	13.75	13.72	14.5	0
20	QPSK	1	49	13.79	13.78	13.73	13.76	13.70		
20	QPSK	1	99	13.69	13.75	13.68	13.79	13.67		
20	QPSK	50	0	13.72	13.72	13.73	13.60	13.61	14.5	0
20	QPSK	50	24	13.71	13.65	13.63	13.72	13.63		
20	QPSK	50	50	13.59	13.67	13.57	13.64	13.64		
20	QPSK	100	0	13.70	13.65	13.71	13.70	13.58		
20	16QAM	1	0	13.71	13.65	13.62	13.75	13.61	14.5	0
20	16QAM	1	49	13.68	13.74	13.61	13.65	13.65		
20	16QAM	1	99	13.67	13.75	13.67	13.64	13.58		
20	16QAM	50	0	13.68	13.70	13.69	13.71	13.56	14.5	0
20	16QAM	50	24	13.57	13.62	13.64	13.74	13.64		
20	16QAM	50	50	13.71	13.72	13.57	13.72	13.71		
20	16QAM	100	0	13.69	13.75	13.58	13.68	13.67		
20	64QAM	1	0	13.56	13.65	13.55	13.74	13.66	14.5	0
20	64QAM	1	49	13.75	13.67	13.66	13.65	13.59		
20	64QAM	1	99	13.76	13.64	13.69	13.64	13.59		
20	64QAM	50	0	13.54	13.60	13.61	13.70	13.66	14.5	0
20	64QAM	50	24	13.67	13.66	13.61	13.73	13.64		
20	64QAM	50	50	13.74	13.67	13.65	13.75	13.57		
20	64QAM	100	0	13.63	13.72	13.57	13.65	13.53		
20	256QAM	1	0	13.75	13.74	13.62	13.68	13.70	14.5	0
20	256QAM	1	49	13.66	13.67	13.70	13.61	13.64		
20	256QAM	1	99	13.64	13.72	13.65	13.67	13.58		
20	256QAM	50	0	13.71	13.68	13.58	13.68	13.60	14.5	0
20	256QAM	50	24	13.64	13.70	13.53	13.73	13.68		
20	256QAM	50	50	13.77	13.69	13.66	13.71	13.67		
20	256QAM	100	0	13.66	13.67	13.55	13.70	13.65		
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	13.66	13.75	13.66	13.61	13.60	14.50	0
15	QPSK	1	37	13.74	13.66	13.66	13.61	13.55		
15	QPSK	1	74	13.63	13.66	13.63	13.75	13.60		
15	QPSK	36	0	13.67	13.62	13.62	13.59	13.58	14.5	0
15	QPSK	36	20	13.61	13.50	13.55	13.64	13.59		
15	QPSK	36	39	13.50	13.54	13.50	13.56	13.51		
15	QPSK	75	0	13.58	13.62	13.67	13.57	13.43		
15	16QAM	1	0	13.68	13.63	13.54	13.68	13.57	14.5	0
15	16QAM	1	37	13.61	13.60	13.52	13.62	13.53		
15	16QAM	1	74	13.60	13.68	13.57	13.51	13.54		
15	16QAM	36	0	13.63	13.56	13.64	13.63	13.52	14.5	0
15	16QAM	36	20	13.55	13.49	13.52	13.67	13.61		
15	16QAM	36	39	13.66	13.67	13.43	13.59	13.66		
15	16QAM	75	0	13.60	13.62	13.49	13.61	13.55		
15	64QAM	1	0	13.46	13.54	13.53	13.69	13.53	14.5	0
15	64QAM	1	37	13.64	13.64	13.53	13.64	13.51		
15	64QAM	1	74	13.65	13.51	13.60	13.49	13.55		
15	64QAM	36	0	13.39	13.59	13.59	13.58	13.56	14.5	0
15	64QAM	36	20	13.62	13.61	13.56	13.60	13.63		
15	64QAM	36	39	13.66	13.64	13.50	13.61	13.44		
15	64QAM	75	0	13.56	13.57	13.51	13.63	13.43		
15	256QAM	1	0	13.74	13.60	13.51	13.55	13.60	14.5	0
15	256QAM	1	37	13.61	13.58	13.64	13.55	13.57		
15	256QAM	1	74	13.50	13.71	13.52	13.52	13.45		
15	256QAM	36	0	13.58	13.64	13.53	13.64	13.50	14.5	0
15	256QAM	36	20	13.53	13.65	13.40	13.65	13.64		
15	256QAM	36	39	13.65	13.57	13.52	13.58	13.62		
15	256QAM	75	0	13.62	13.64	13.47	13.69	13.59		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	13.75	13.75	13.74	13.64	13.62	14.50	0
10	QPSK	1	25	13.72	13.64	13.71	13.61	13.57		
10	QPSK	1	49	13.58	13.67	13.57	13.70	13.61		
10	QPSK	25	0	13.59	13.61	13.66	13.56	13.54	14.5	0
10	QPSK	25	12	13.56	13.52	13.60	13.65	13.54		
10	QPSK	25	25	13.56	13.55	13.48	13.51	13.57		
10	QPSK	50	0	13.62	13.56	13.70	13.57	13.53		
10	16QAM	1	0	13.62	13.50	13.57	13.65	13.58	14.5	0
10	16QAM	1	25	13.61	13.61	13.49	13.59	13.60		
10	16QAM	1	49	13.61	13.71	13.62	13.49	13.54		
10	16QAM	25	0	13.63	13.63	13.62	13.70	13.41	14.5	0
10	16QAM	25	12	13.45	13.51	13.50	13.68	13.49		
10	16QAM	25	25	13.61	13.62	13.54	13.65	13.69		
10	16QAM	50	0	13.58	13.74	13.46	13.65	13.60		
10	64QAM	1	0	13.48	13.55	13.45	13.60	13.58	14.5	0
10	64QAM	1	25	13.68	13.60	13.56	13.64	13.45		
10	64QAM	1	49	13.70	13.60	13.57	13.58	13.54		
10	64QAM	25	0	13.43	13.48	13.60	13.56	13.65	14.5	0
10	64QAM	25	12	13.66	13.54	13.49	13.64	13.57		
10	64QAM	25	25	13.59	13.61	13.61	13.66	13.45		
10	64QAM	50	0	13.57	13.64	13.49	13.60	13.39		
10	256QAM	1	0	13.72	13.73	13.60	13.54	13.67	14.5	0
10	256QAM	1	25	13.54	13.61	13.63	13.57	13.59		
10	256QAM	1	49	13.61	13.69	13.63	13.53	13.52		
10	256QAM	25	0	13.58	13.58	13.48	13.59	13.53	14.5	0
10	256QAM	25	12	13.60	13.61	13.41	13.61	13.56		
10	256QAM	25	25	13.73	13.64	13.65	13.70	13.55		
10	256QAM	50	0	13.60	13.59	13.42	13.58	13.55		
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	13.62	13.63	13.73	13.64	13.60	14.50	0
5	QPSK	1	12	13.71	13.69	13.61	13.69	13.55		
5	QPSK	1	24	13.56	13.71	13.56	13.66	13.55		
5	QPSK	12	0	13.68	13.60	13.61	13.54	13.57	14.5	0
5	QPSK	12	7	13.65	13.50	13.57	13.71	13.59		
5	QPSK	12	13	13.50	13.55	13.52	13.54	13.60		
5	QPSK	25	0	13.67	13.64	13.65	13.65	13.49		
5	16QAM	1	0	13.69	13.51	13.56	13.71	13.55	14.5	0
5	16QAM	1	12	13.55	13.59	13.55	13.56	13.55		
5	16QAM	1	24	13.60	13.71	13.52	13.61	13.55		
5	16QAM	12	0	13.54	13.61	13.68	13.60	13.55	14.5	0
5	16QAM	12	7	13.42	13.51	13.51	13.62	13.51		
5	16QAM	12	13	13.57	13.63	13.47	13.69	13.67		
5	16QAM	25	0	13.58	13.61	13.55	13.64	13.53		
5	64QAM	1	0	13.52	13.60	13.54	13.69	13.54	14.5	0
5	64QAM	1	12	13.70	13.66	13.57	13.54	13.54		
5	64QAM	1	24	13.68	13.60	13.57	13.53	13.56		
5	64QAM	12	0	13.51	13.59	13.54	13.57	13.53	14.5	0
5	64QAM	12	7	13.58	13.54	13.51	13.65	13.53		
5	64QAM	12	13	13.64	13.56	13.51	13.64	13.45		
5	64QAM	25	0	13.61	13.69	13.55	13.56	13.48		
5	256QAM	1	0	13.70	13.67	13.50	13.55	13.62	14.5	0
5	256QAM	1	12	13.54	13.65	13.55	13.49	13.53		
5	256QAM	1	24	13.62	13.65	13.52	13.66	13.46		
5	256QAM	12	0	13.56	13.66	13.50	13.54	13.48	14.5	0
5	256QAM	12	7	13.49	13.61	13.47	13.58	13.53		
5	256QAM	12	13	13.63	13.67	13.60	13.68	13.61		
5	256QAM	25	0	13.53	13.52	13.45	13.65	13.62		

Band 41_HPUE_Ant 4

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	15.49	15.57	15.58	15.45	15.46	16.1	0
20	QPSK	1	49	15.50	15.49	15.51	15.56	15.53		
20	QPSK	1	99	15.48	15.49	15.45	15.57	15.50		
20	QPSK	50	0	15.36	15.49	15.51	15.32	15.31	16.1	0
20	QPSK	50	24	15.41	15.40	15.47	15.50	15.46		
20	QPSK	50	50	15.44	15.45	15.35	15.45	15.46		
20	QPSK	100	0	15.36	15.45	15.50	15.32	15.31		
20	16QAM	1	0	15.41	15.40	15.47	15.50	15.46	16.1	0
20	16QAM	1	49	15.44	15.45	15.35	15.45	15.46		
20	16QAM	1	99	15.36	15.52	15.44	15.32	15.31		
20	16QAM	50	0	15.41	15.40	15.47	15.50	15.46	16.1	0
20	16QAM	50	24	15.44	15.45	15.35	15.45	15.46		
20	16QAM	50	50	15.36	15.52	15.44	15.32	15.31		
20	16QAM	100	0	15.41	15.40	15.47	15.50	15.46		
20	64QAM	1	0	15.44	15.45	15.35	15.45	15.46	16.1	0
20	64QAM	1	49	15.36	15.52	15.44	15.32	15.31		
20	64QAM	1	99	15.41	15.40	15.47	15.50	15.46		
20	64QAM	50	0	15.44	15.45	15.35	15.45	15.46	16.1	0
20	64QAM	50	24	15.36	15.52	15.44	15.32	15.31		
20	64QAM	50	50	15.41	15.40	15.47	15.50	15.46		
20	64QAM	100	0	15.44	15.45	15.35	15.45	15.46		
20	256QAM	1	0	15.36	15.52	15.44	15.32	15.31	16.1	0
20	256QAM	1	49	15.41	15.40	15.47	15.50	15.46		
20	256QAM	1	99	15.44	15.45	15.35	15.45	15.46		
20	256QAM	50	0	15.36	15.52	15.44	15.32	15.31	16.1	0
20	256QAM	50	24	15.36	15.52	15.44	15.32	15.31		
20	256QAM	50	50	15.41	15.40	15.47	15.50	15.46		
20	256QAM	100	0	15.44	15.45	15.35	15.45	15.46		
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	15.46	15.44	15.44	15.31	15.35	16.10	0
15	QPSK	1	37	15.49	15.34	15.41	15.46	15.43		
15	QPSK	1	74	15.40	15.41	15.34	15.51	15.46		
15	QPSK	36	0	15.22	15.42	15.49	15.28	15.24	16.1	0
15	QPSK	36	20	15.35	15.39	15.45	15.35	15.32		
15	QPSK	36	39	15.36	15.44	15.25	15.33	15.36		
15	QPSK	75	0	15.32	15.36	15.38	15.26	15.19		
15	16QAM	1	0	15.31	15.25	15.43	15.37	15.41	16.1	0
15	16QAM	1	37	15.35	15.36	15.22	15.33	15.32		
15	16QAM	1	74	15.30	15.43	15.32	15.26	15.30		
15	16QAM	36	0	15.39	15.31	15.46	15.43	15.39	16.1	0
15	16QAM	36	20	15.31	15.33	15.26	15.33	15.37		
15	16QAM	36	39	15.28	15.37	15.32	15.28	15.30		
15	16QAM	75	0	15.34	15.35	15.38	15.39	15.36		
15	64QAM	1	0	15.40	15.31	15.25	15.33	15.38	16.1	0
15	64QAM	1	37	15.23	15.47	15.41	15.19	15.26		
15	64QAM	1	74	15.30	15.32	15.45	15.44	15.45		
15	64QAM	36	0	15.40	15.30	15.32	15.36	15.34	16.1	0
15	64QAM	36	20	15.27	15.49	15.41	15.31	15.19		
15	64QAM	36	39	15.38	15.29	15.44	15.38	15.40		
15	64QAM	75	0	15.29	15.35	15.26	15.35	15.38		
15	256QAM	1	0	15.25	15.40	15.39	15.29	15.21	16.1	0
15	256QAM	1	37	15.37	15.37	15.34	15.47	15.38		
15	256QAM	1	74	15.41	15.30	15.31	15.36	15.37		
15	256QAM	36	0	15.35	15.49	15.31	15.19	15.19	16.1	0
15	256QAM	36	20	15.29	15.47	15.42	15.28	15.28		
15	256QAM	36	39	15.29	15.33	15.33	15.37	15.32		
15	256QAM	75	0	15.43	15.40	15.29	15.36	15.43		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	15.35	15.47	15.38	15.34	15.34	16.10	0
10	QPSK	1	25	15.35	15.43	15.40	15.44	15.49		
10	QPSK	1	49	15.36	15.37	15.40	15.54	15.41		
10	QPSK	25	0	15.34	15.46	15.42	15.27	15.28	16.1	0
10	QPSK	25	12	15.28	15.25	15.39	15.37	15.43		
10	QPSK	25	25	15.37	15.41	15.29	15.31	15.43		
10	QPSK	50	0	15.24	15.35	15.43	15.31	15.19		
10	16QAM	1	0	15.33	15.38	15.38	15.42	15.34	16.1	0
10	16QAM	1	25	15.37	15.34	15.24	15.35	15.43		
10	16QAM	1	49	15.26	15.38	15.30	15.23	15.16		
10	16QAM	25	0	15.38	15.36	15.34	15.40	15.35	16.1	0
10	16QAM	25	12	15.35	15.42	15.32	15.32	15.45		
10	16QAM	25	25	15.28	15.39	15.33	15.18	15.22		
10	16QAM	50	0	15.36	15.29	15.39	15.40	15.38		
10	64QAM	1	0	15.37	15.41	15.25	15.31	15.39	16.1	0
10	64QAM	1	25	15.30	15.50	15.43	15.29	15.28		
10	64QAM	1	49	15.31	15.29	15.44	15.43	15.45		
10	64QAM	25	0	15.33	15.35	15.28	15.42	15.31	16.1	0
10	64QAM	25	12	15.32	15.45	15.30	15.23	15.26		
10	64QAM	25	25	15.28	15.25	15.41	15.44	15.34		
10	64QAM	50	0	15.40	15.35	15.25	15.39	15.44		
10	256QAM	1	0	15.28	15.45	15.39	15.27	15.18	16.1	0
10	256QAM	1	25	15.34	15.32	15.36	15.38	15.39		
10	256QAM	1	49	15.37	15.36	15.31	15.42	15.39		
10	256QAM	25	0	15.26	15.44	15.34	15.20	15.16	16.1	0
10	256QAM	25	12	15.25	15.49	15.41	15.17	15.17		
10	256QAM	25	25	15.38	15.32	15.33	15.44	15.33		
10	256QAM	50	0	15.43	15.33	15.33	15.44	15.32		
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	15.35	15.47	15.38	15.34	15.34	16.10	0
5	QPSK	1	12	15.35	15.43	15.40	15.44	15.49		
5	QPSK	1	24	15.36	15.37	15.40	15.54	15.41		
5	QPSK	12	0	15.34	15.46	15.42	15.27	15.28	16.1	0
5	QPSK	12	7	15.28	15.25	15.39	15.37	15.43		
5	QPSK	12	13	15.37	15.41	15.29	15.31	15.43		
5	QPSK	25	0	15.24	15.35	15.43	15.31	15.19		
5	16QAM	1	0	15.33	15.38	15.38	15.42	15.34	16.1	0
5	16QAM	1	12	15.37	15.34	15.24	15.35	15.43		
5	16QAM	1	24	15.26	15.38	15.30	15.23	15.16		
5	16QAM	12	0	15.38	15.36	15.34	15.40	15.35	16.1	0
5	16QAM	12	7	15.35	15.42	15.32	15.32	15.45		
5	16QAM	12	13	15.28	15.39	15.33	15.18	15.22		
5	16QAM	25	0	15.36	15.29	15.39	15.40	15.38		
5	64QAM	1	0	15.37	15.41	15.25	15.31	15.39	16.1	0
5	64QAM	1	12	15.30	15.50	15.43	15.29	15.28		
5	64QAM	1	24	15.31	15.29	15.44	15.43	15.45		
5	64QAM	12	0	15.33	15.35	15.28	15.42	15.31	16.1	0
5	64QAM	12	7	15.32	15.45	15.30	15.23	15.26		
5	64QAM	12	13	15.28	15.25	15.41	15.44	15.34		
5	64QAM	25	0	15.40	15.35	15.25	15.39	15.44		
5	256QAM	1	0	15.28	15.45	15.39	15.27	15.18	16.1	0
5	256QAM	1	12	15.34	15.32	15.36	15.38	15.39		
5	256QAM	1	24	15.37	15.36	15.31	15.42	15.39		
5	256QAM	12	0	15.26	15.44	15.34	15.20	15.16	16.1	0
5	256QAM	12	7	15.25	15.49	15.41	15.17	15.17		
5	256QAM	12	13	15.38	15.32	15.33	15.44	15.33		
5	256QAM	25	0	15.43	15.33	15.33	15.44	15.32		

Uplink CA Power

CA_38C_Ant 4											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full Power	22.65	24.00
37901	38099	QPSK	1	0	0	0	1	0	Full Power	22.77	24.00
38150	37952	QPSK	1	0	0	0	1	0	Full Power	22.61	24.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 2	16.25	17.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 2	16.33	17.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 2	16.30	17.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	15.41	16.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	15.55	16.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	15.50	16.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 4	22.65	24.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 4	22.77	24.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 4	22.61	24.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 6	20.41	21.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 6	20.50	21.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 6	20.43	21.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 7	13.47	14.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 7	13.56	14.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 7	13.50	14.50

Downlink CA Power

Full Power

2CC

Configure		CA Configuration (BCS)	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band		CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	22.34	22.44
Intra-Band	Non-Contiguous	CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	22.53	22.64
	Contiguous	CA_7B	Band 7	15M	2535	21100	QPSK	1	0	Band 7	5M	2664.30	3193	22.48	22.64
		CA_7C	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.80	3298	22.60	22.64
		CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.80	38048	22.81	22.93

3CC

Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	Non-Contiguous	CA_41A-41A-41A	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2593	40620	22.71	22.79

4CC

Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Intra-Band	Non-Contiguous	CA_41A-41A-41C	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	5M	2498.5	39675	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	22.68	22.79
		CA_41A-41D	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2462.2	41094	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	22.65	22.79
		CA_41C-41C	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2569.3	40383	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	22.63	22.79
	Contiguous	CA_41E	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2569.3	40383	Band 41	20M	2589.1	40581	Band 41	20M	2608.9	40779	22.61	22.79

Full & Default Power

Part27O n77_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	636000	642000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.82	22.89	22.79	24.0	0.0
100	PI/2 BPSK	1	137	22.82	22.84	22.69		
100	PI/2 BPSK	1	271	22.83	22.86	22.71		
100	PI/2 BPSK	135	0	22.60	22.71	22.69	24.0	0.0
100	PI/2 BPSK	135	69	22.69	22.80	22.72	24.0	0.0
100	PI/2 BPSK	135	138	22.72	22.79	22.79	24.0	0.0
100	PI/2 BPSK	270	0	22.72	22.72	22.69		
100	QPSK	1	1	22.93	22.98	22.92	24.0	0.0
100	QPSK	1	137	22.73	22.83	22.68		
100	QPSK	1	271	22.79	22.88	22.76		
100	QPSK	135	0	22.56	22.58	22.44	24.0	0.0
100	QPSK	135	69	22.62	22.74	22.63		
100	QPSK	135	138	22.62	22.70	22.61		
100	QPSK	270	0	22.59	22.70	22.70	24.0	0.0
100	16QAM	1	1	22.59	22.65	22.51	24.0	0.0
100	64QAM	1	1	22.25	22.32	22.19	24.0	0.0
100	256QAM	1	1	20.76	20.87	20.82	22.5	1.5
Channel				646666	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	22.56	22.71	22.64	24.0	0.0
Channel				646332	650000	653668	Tune-up limit	MPR
Frequency (MHz)				3730.68	3840	3949.99	(dBm)	(dB)
80	QPSK	1	1	22.66	22.74	22.63	24.0	0.0
Channel				646000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3715	3840	3965	(dBm)	(dB)
70	QPSK	1	1	22.63	22.70	22.57	24.0	0.0
Channel				646666	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	22.79	22.93	22.84	24.0	0.0
Channel				646332	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	22.80	22.92	22.91	24.0	0.0
Channel				646000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.79	22.85	22.78	24.0	0.0
Channel				647332	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	22.81	22.88	22.79	24.0	0.0
Channel				647332	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	22.84	22.95	22.88	24.0	0.0

Part27O n77_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	636000	642000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	25.24	25.34	25.28	27.0	0.0
100	PI/2 BPSK	1	137	25.26	25.28	25.24		
100	PI/2 BPSK	1	271	25.19	25.30	25.24		
100	PI/2 BPSK	135	0	24.44	24.52	24.47	26.5	0.5
100	PI/2 BPSK	135	69	25.35	25.35	25.23	27.0	0.0
100	PI/2 BPSK	135	138	24.50	24.58	24.48	26.5	0.5
100	PI/2 BPSK	270	0	24.51	24.56	24.52		
100	QPSK	1	1	25.35	25.36	25.34	27.0	0.0
100	QPSK	1	137	25.29	25.33	25.30		
100	QPSK	1	271	25.07	25.10	24.99		
100	QPSK	135	0	23.78	23.85	23.85	27.0	0.0
100	QPSK	135	69	25.25	25.25	25.12		
100	QPSK	135	138	23.83	23.97	23.92		
100	QPSK	270	0	24.30	24.34	24.19	26.0	1.0
100	16QAM	1	1	24.21	24.25	24.22	26.0	1.0
100	64QAM	1	1	22.25	22.32	22.19	24.5	2.5
100	256QAM	1	1	20.76	20.87	20.82	22.5	4.5
Channel				646666	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	25.18	25.30	25.31	27.0	0.0
Channel				646332	650000	653668	Tune-up limit	MPR
Frequency (MHz)				3730.68	3840	3949.99	(dBm)	(dB)
80	QPSK	1	1	25.29	25.20	25.15	27.0	0.0
Channel				646000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3715	3840	3965	(dBm)	(dB)
70	QPSK	1	1	25.10	25.11	25.29	27.0	0.0
Channel				646666	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	25.22	25.23	25.19	27.0	0.0
Channel				646332	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	25.21	25.25	25.26	27.0	0.0
Channel				646000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	25.19	25.30	25.28	27.0	0.0
Channel				647332	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	25.25	25.14	25.16	27.0	0.0
Channel				647332	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	25.17	25.27	25.19	27.0	0.0

Part27O n77_Ant 1(SRS)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	636000	642000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.29	17.29	17.25	18.5	0.0
100	PI/2 BPSK	1	137	17.12	17.27	17.26		
100	PI/2 BPSK	1	271	17.17	17.25	17.11		
100	PI/2 BPSK	135	0	17.14	17.29	17.23	18.5	0.0
100	PI/2 BPSK	135	69	17.26	17.29	17.23	18.5	0.0
100	PI/2 BPSK	135	138	17.20	17.24	17.21	18.5	0.0
100	PI/2 BPSK	270	0	17.14	17.26	17.20		
100	QPSK	1	1	17.32	17.35	17.34	18.5	0.0
100	QPSK	1	137	17.21	17.33	17.24		
100	QPSK	1	271	17.15	17.29	17.26		
100	QPSK	135	0	17.22	17.25	17.23	18.5	0.0
100	QPSK	135	69	17.17	17.31	17.26		
100	QPSK	135	138	17.15	17.29	17.27		
100	QPSK	270	0	17.23	17.26	17.22	18.5	0.0
100	16QAM	1	1	17.09	17.13	17.12	18.5	0.0
100	64QAM	1	1	17.27	17.30	17.23	18.5	0.0
100	256QAM	1	1	15.43	15.53	15.44	17.0	1.5
Channel				646666	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	17.20	17.34	17.18	18.5	0.0
Channel				646332	650000	653668	Tune-up limit	MPR
Frequency (MHz)				3730.68	3840	3949.99	(dBm)	(dB)
80	QPSK	1	1	17.15	17.21	17.16	18.5	0.0
Channel				646000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3715	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.28	17.28	17.26	18.5	0.0
Channel				646666	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	17.25	17.29	17.32	18.5	0.0
Channel				646332	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	17.25	17.32	17.32	18.5	0.0
Channel				646000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.33	17.32	17.31	18.5	0.0
Channel				647332	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	17.19	17.29	17.28	18.5	0.0
Channel				647332	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	17.20	17.36	17.23	18.5	0.0

Part27O n77_HPUE_Ant 1(SRS)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	636000	642000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.30	20.30	20.15	21.5	0.0
100	PI/2 BPSK	1	137	20.23	20.25	20.18		
100	PI/2 BPSK	1	271	20.17	20.23	20.13		
100	PI/2 BPSK	135	0	20.34	20.35	20.35	21.0	0.5
100	PI/2 BPSK	135	69	20.19	20.30	20.17	21.5	0.0
100	PI/2 BPSK	135	138	20.19	20.27	20.14	21.0	0.5
100	PI/2 BPSK	270	0	20.14	20.24	20.10		
100	QPSK	1	1	20.28	20.37	20.32	21.5	0.0
100	QPSK	1	137	20.17	20.30	20.16		
100	QPSK	1	271	20.22	20.32	20.23		
100	QPSK	135	0	20.21	20.34	20.32	21.5	0.0
100	QPSK	135	69	20.30	20.35	20.24		
100	QPSK	135	138	20.06	20.16	20.01		
100	QPSK	270	0	20.14	20.26	20.15	20.5	1.0
100	16QAM	1	1	18.59	18.61	18.52	20.5	1.0
100	64QAM	1	1	17.64	17.79	17.79	19.0	2.5
100	256QAM	1	1	15.42	15.54	15.48	17.0	4.5
Channel				646666	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	20.31	20.35	20.28	21.5	0.0
Channel				646332	650000	653668	Tune-up limit	MPR
Frequency (MHz)				3730.68	3840	3949.99	(dBm)	(dB)
80	QPSK	1	1	20.18	20.26	20.23	21.5	0.0
Channel				646000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3715	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.32	20.33	20.24	21.5	0.0
Channel				646666	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	20.29	20.25	20.27	21.5	0.0
Channel				646332	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	20.28	20.31	20.34	21.5	0.0
Channel				646000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.25	20.29	20.28	21.5	0.0
Channel				647332	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	20.29	20.29	20.31	21.5	0.0
Channel				647332	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	20.32	20.29	20.31	21.5	0.0

Part27O n77_Ant 2(SRS)

BW [MHz]	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	17.18	17.30	17.18	18.5	0.0
100	PI/2 BPSK	1	137	17.17	17.23	17.23		
100	PI/2 BPSK	1	271	17.21	17.27	17.18		
100	PI/2 BPSK	135	0	17.16	17.31	17.18	18.5	0.0
100	PI/2 BPSK	135	69	17.12	17.23	17.17	18.5	0.0
100	PI/2 BPSK	135	138	17.23	17.27	17.16	18.5	0.0
100	PI/2 BPSK	270	0	17.09	17.24	17.12		
100	QPSK	1	1	17.33	17.37	17.26	18.5	0.0
100	QPSK	1	137	17.20	17.28	17.13		
100	QPSK	1	271	17.28	17.35	17.22		
100	QPSK	135	0	17.13	17.26	17.14	18.5	0.0
100	QPSK	135	69	17.14	17.29	17.28		
100	QPSK	135	138	17.07	17.21	17.09		
100	QPSK	270	0	17.22	17.23	17.13	18.5	0.0
100	16QAM	1	1	17.12	17.25	17.14	18.5	0.0
100	64QAM	1	1	17.19	17.24	17.21	18.5	0.0
100	256QAM	1	1	16.07	16.13	16.08	17.0	1.5
Channel				650000	656000	662000	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	17.25	17.30	17.29	18.5	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	17.21	17.21	17.18	18.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.19	17.23	17.26	18.5	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	17.21	17.29	17.21	18.5	0.0
Channel				648332	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	17.29	17.34	17.32	18.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.21	17.29	17.25	18.5	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	17.36	17.32	17.25	18.5	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	17.32	17.29	17.20	18.5	0.0

Part27O n77_HPUE_Ant 2(SRS)

BW [MHz]	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	20.27	20.41	20.30	21.5	0.0
100	PI/2 BPSK	1	137	20.28	20.30	20.24		
100	PI/2 BPSK	1	271	20.22	20.32	20.19		
100	PI/2 BPSK	135	0	20.23	20.20	20.18	21.0	0.5
100	PI/2 BPSK	135	69	20.27	20.27	20.12	21.5	0.0
100	PI/2 BPSK	135	138	20.14	20.21	20.16	21.0	0.5
100	PI/2 BPSK	270	0	20.19	20.28	20.18		
100	QPSK	1	1	20.36	20.43	20.37	21.5	0.0
100	QPSK	1	137	20.20	20.33	20.33		
100	QPSK	1	271	20.32	20.39	20.30		
100	QPSK	135	0	20.17	20.22	20.20	21.5	0.0
100	QPSK	135	69	20.11	20.25	20.10		
100	QPSK	135	138	20.16	20.17	20.03		
100	QPSK	270	0	20.13	20.26	20.19	20.5	1.0
100	16QAM	1	1	19.07	19.20	19.08	20.5	1.0
100	64QAM	1	1	18.29	18.39	18.25	19.0	2.5
100	256QAM	1	1	16.01	16.14	15.99	17.0	4.5
Channel				650000	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	20.23	20.31	20.35	21.5	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	20.32	20.40	20.42	21.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.28	20.36	20.40	21.5	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	20.41	20.36	20.38	21.5	0.0
Channel				648332	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	20.28	20.37	20.37	21.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.35	20.35	20.36	21.5	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	20.37	20.41	20.43	21.5	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	20.31	20.37	20.41	21.5	0.0

Part27O n77_Ant 8(SRS)

BW [MHz]	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	22.16	22.21	22.08	24.0	0.0
100	PI/2 BPSK	1	137	22.19	22.20	22.13		
100	PI/2 BPSK	1	271	21.98	22.13	22.11		
100	PI/2 BPSK	135	0	21.94	22.02	21.99	24.0	0.0
100	PI/2 BPSK	135	69	22.17	22.17	22.11	24.0	0.0
100	PI/2 BPSK	135	138	22.06	22.17	22.15	24.0	0.0
100	PI/2 BPSK	270	0	22.00	22.12	22.11		
100	QPSK	1	1	22.21	22.28	22.13	24.0	0.0
100	QPSK	1	137	22.10	22.16	22.12		
100	QPSK	1	271	22.09	22.19	22.13		
100	QPSK	135	0	22.01	22.06	21.97	24.0	0.0
100	QPSK	135	69	22.12	22.18	22.13		
100	QPSK	135	138	22.05	22.17	22.12		
100	QPSK	270	0	22.00	22.01	21.92	24.0	0.0
100	16QAM	1	1	22.07	22.16	22.05	24.0	0.0
100	64QAM	1	1	20.75	20.90	20.86	23.5	0.5
100	256QAM	1	1	19.52	19.55	19.55	21.5	2.5
Channel				650000	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	21.92	22.06	22.06	24.0	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3950.02	(dBm)	(dB)
80	QPSK	1	1	21.95	22.07	22.00	24.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	22.00	22.13	22.10	24.0	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	22.15	22.25	22.16	24.0	0.0
Channel				648332	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	22.00	22.13	22.12	24.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.17	22.23	22.09	24.0	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	22.21	22.27	22.24	24.0	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	22.18	22.24	22.12	24.0	0.0

Part27O n77_HPUE_Ant 8(SRS)

BW [MHz]	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	24.24	24.30	24.23	26.0	0.0
100	PI/2 BPSK	1	137	24.10	24.23	24.19		
100	PI/2 BPSK	1	271	24.17	24.28	24.27		
100	PI/2 BPSK	135	0	23.16	23.27	23.25	25.5	0.5
100	PI/2 BPSK	135	69	24.24	24.27	24.15	26.0	0.0
100	PI/2 BPSK	135	138	23.38	23.39	23.26	25.5	0.5
100	PI/2 BPSK	270	0	23.23	23.32	23.30		
100	QPSK	1	1	24.23	24.37	24.20	26.0	0.0
100	QPSK	1	137	24.08	24.17	24.09		
100	QPSK	1	271	24.10	24.25	24.21		
100	QPSK	135	0	22.64	22.79	22.66		
100	QPSK	135	69	24.14	24.10	24.15		
100	QPSK	135	138	22.81	22.87	22.83		
100	QPSK	270	0	23.18	23.31	23.20	25.0	1.0
100	16QAM	1	1	23.02	23.17	23.04	25.0	1.0
100	64QAM	1	1	20.93	20.94	20.88	23.5	2.5
100	256QAM	1	1	19.57	19.51	19.54	21.5	4.5
Channel				650000	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	24.29	24.10	24.28	26.0	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	24.23	24.16	24.09	26.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	24.17	24.19	24.22	26.0	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	24.13	24.24	24.10	26.0	0.0
Channel				648332	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	24.23	24.26	24.14	26.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	24.12	24.16	24.13	26.0	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	24.09	24.11	24.26	26.0	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	24.16	24.10	24.20	26.0	0.0

Part27O n78_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		22.93		24.0	0.0
100	PI/2 BPSK	1	137		22.91			
100	PI/2 BPSK	1	271		22.87			
100	PI/2 BPSK	135	0		22.92		24.0	0.0
100	PI/2 BPSK	135	69		22.91		24.0	0.0
100	PI/2 BPSK	135	138		22.75		24.0	0.0
100	PI/2 BPSK	270	0		22.88			
100	QPSK	1	1		22.96		24.0	0.0
100	QPSK	1	137		22.92			
100	QPSK	1	271		22.94			
100	QPSK	135	0		22.88		24.0	0.0
100	QPSK	135	69		22.89			
100	QPSK	135	138		22.74			
100	QPSK	270	0		22.74		24.0	0.0
100	16QAM	1	1		22.78		24.0	0.0
100	64QAM	1	1		22.79		24.0	0.0
100	256QAM	1	1		21.12		22.5	1.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	22.70	22.78	22.79	24.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	22.52	22.91	22.75	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3760		
70	QPSK	1	1	22.88	22.86	22.62	24.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	22.80	22.72	22.69	24.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	22.71	22.79	22.69	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.76	22.81	22.70	24.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	22.79	22.83	22.76	24.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	22.72	22.69	22.74	24.0	0.0

Part27O n78_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		25.93		27.0	0.0
100	PI/2 BPSK	1	137		25.88			
100	PI/2 BPSK	1	271		25.92			
100	PI/2 BPSK	135	0		25.12		26.5	0.5
100	PI/2 BPSK	135	69		25.99		27.0	0.0
100	PI/2 BPSK	135	138		25.62		26.5	0.5
100	PI/2 BPSK	270	0		25.11			
100	QPSK	1	1		25.99		27.0	0.0
100	QPSK	1	137		25.96			
100	QPSK	1	271		25.88			
100	QPSK	135	0		24.58		27.0	0.0
100	QPSK	135	69		25.73			
100	QPSK	135	138		24.47			
100	QPSK	270	0		24.50		26.0	1.0
100	16QAM	1	1		24.60		26.0	1.0
100	64QAM	1	1		23.20		24.5	2.5
100	256QAM	1	1		21.10		22.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	25.74	25.79	25.64	27.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	25.76	25.80	25.72	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3770		
70	QPSK	1	1	25.82	25.81	25.67	27.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	25.65	25.64	25.65	27.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	25.74	25.77	25.70	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.78	25.79	25.80	27.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	25.80	25.79	25.70	27.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	25.78	25.75	25.81	27.0	0.0

Part27O n78_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.00		20.0	0.0
100	PI/2 BPSK	1	137		18.99			
100	PI/2 BPSK	1	271		18.93			
100	PI/2 BPSK	135	0		18.90		20.0	0.0
100	PI/2 BPSK	135	69		18.95		20.0	0.0
100	PI/2 BPSK	135	138		18.89		20.0	0.0
100	PI/2 BPSK	270	0		18.96			
100	QPSK	1	1		19.07		20.0	0.0
100	QPSK	1	137		18.92			
100	QPSK	1	271		19.02			
100	QPSK	135	0		18.86		20.0	0.0
100	QPSK	135	69		18.97			
100	QPSK	135	138		18.85			
100	QPSK	270	0		18.89		20.0	0.0
100	16QAM	1	1		18.63		20.0	0.0
100	64QAM	1	1		18.65		20.0	0.0
100	256QAM	1	1		17.73		18.5	1.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	18.95	18.96	18.87	20.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	19.03	18.91	18.94	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3770		
70	QPSK	1	1	19.03	19.05	18.99	20.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	18.98	18.98	18.94	20.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	18.83	18.91	18.92	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.04	19.01	18.97	20.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	18.90	18.93	18.92	20.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	18.99	19.04	19.04	20.0	0.0

Part27O n78_HPUE_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.70		23.0	0.0
100	PI/2 BPSK	1	137		22.01			
100	PI/2 BPSK	1	271		22.01			
100	PI/2 BPSK	135	0		21.90		22.5	0.5
100	PI/2 BPSK	135	69		21.88		23.0	0.0
100	PI/2 BPSK	135	138		21.89		22.5	0.5
100	PI/2 BPSK	270	0		21.95			
100	QPSK	1	1		22.07		23.0	0.0
100	QPSK	1	137		21.97			
100	QPSK	1	271		22.00			
100	QPSK	135	0		21.99		23.0	0.0
100	QPSK	135	69		21.90			
100	QPSK	135	138		21.81			
100	QPSK	270	0		21.79		22.0	1.0
100	16QAM	1	1		21.14		22.0	1.0
100	64QAM	1	1		19.55		20.5	2.5
100	256QAM	1	1		17.86		18.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	21.73	21.74	21.74	23.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	21.77	21.75	21.78	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3770		
70	QPSK	1	1	21.82	21.83	21.80	23.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	21.79	21.75	21.77	23.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	21.61	21.66	21.67	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.76	21.74	21.74	23.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	21.76	21.71	21.71	23.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	21.54	21.64	21.57	23.0	0.0

Part27O n78_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit [dBm]	MPR [dB]
Channel					650000			
Frequency [MHz]					3750			
100	PI/2 BPSK	1	1		20.44		22.0	0.0
100	PI/2 BPSK	1	137		20.43			
100	PI/2 BPSK	1	271		20.27			
100	PI/2 BPSK	135	0		20.34		22.0	0.0
100	PI/2 BPSK	135	69		20.23		22.0	0.0
100	PI/2 BPSK	135	138		20.22		22.0	0.0
100	PI/2 BPSK	270	0		20.23			
100	QPSK	1	1		20.48		22.0	0.0
100	QPSK	1	137		20.42			
100	QPSK	1	271		20.32			
100	QPSK	135	0		20.27		22.0	0.0
100	QPSK	135	69		20.32			
100	QPSK	135	138		20.20			
100	QPSK	270	0		20.24		22.0	0.0
100	16QAM	1	1		20.11		21.0	1.0
100	64QAM	1	1		18.33		19.5	2.5
100	256QAM	1	1		16.11		17.5	4.5
Channel				649668	650332	650332	Tune-up limit	MPR
Frequency [MHz]				3745.02	3750	3754.98	[dBm]	[dB]
90	QPSK	1	1	20.32	20.37	20.37	22.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency [MHz]				3740.01	3750	3759.99	[dBm]	[dB]
80	QPSK	1	1	20.35	20.38	20.31	22.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency [MHz]				3735	3750	3765	[dBm]	[dB]
70	QPSK	1	1	20.40	20.41	20.46	22.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency [MHz]				3730.02	3750	3769.98	[dBm]	[dB]
60	QPSK	1	1	20.32	20.41	20.36	22.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency [MHz]				3725.01	3750	3774.99	[dBm]	[dB]
50	QPSK	1	1	20.36	20.39	20.31	22.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency [MHz]				3720	3750	3780	[dBm]	[dB]
40	QPSK	1	1	20.43	20.47	20.45	22.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency [MHz]				3715.02	3750.00	3784.98	[dBm]	[dB]
30	QPSK	1	1	20.40	20.42	20.38	22.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency [MHz]				3710.01	3750	3789.99	[dBm]	[dB]
20	QPSK	1	1	20.45	20.44	20.37	22.0	0.0

Part27O n78_HPUE_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit [dBm]	MPR [dB]
Channel					650000			
Frequency [MHz]					3750			
100	PI/2 BPSK	1	1		23.58		25.0	0.0
100	PI/2 BPSK	1	137		23.50			
100	PI/2 BPSK	1	271		23.43			
100	PI/2 BPSK	135	0		23.60		24.5	0.5
100	PI/2 BPSK	135	69		23.63		25.0	0.0
100	PI/2 BPSK	135	138		23.50		24.5	0.5
100	PI/2 BPSK	270	0		23.60			
100	QPSK	1	1		23.63		25.0	0.0
100	QPSK	1	137		23.63			
100	QPSK	1	271		23.49			
100	QPSK	135	0		22.63		25.0	0.0
100	QPSK	135	69		23.60			
100	QPSK	135	138		22.62			
100	QPSK	270	0		22.64		24.0	1.0
100	16QAM	1	1		22.39		24.0	1.0
100	64QAM	1	1		21.18		22.5	2.5
100	256QAM	1	1		19.47		20.5	4.5
Channel				649668	650332	650332	Tune-up limit	MPR
Frequency [MHz]				3745.02	3750	3754.98	[dBm]	[dB]
90	QPSK	1	1	23.62	23.57	23.52	25.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency [MHz]				3740.01	3750	3759.99	[dBm]	[dB]
80	QPSK	1	1	23.52	23.48	23.51	25.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency [MHz]				3735	3750	3765	[dBm]	[dB]
70	QPSK	1	1	23.43	23.53	23.46	25.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency [MHz]				3730.02	3750	3769.98	[dBm]	[dB]
60	QPSK	1	1	23.42	23.49	23.40	25.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency [MHz]				3725.01	3750	3774.99	[dBm]	[dB]
50	QPSK	1	1	23.53	23.63	23.64	25.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency [MHz]				3720	3750	3780	[dBm]	[dB]
40	QPSK	1	1	23.53	23.61	23.61	25.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency [MHz]				3715.02	3750.00	3784.98	[dBm]	[dB]
30	QPSK	1	1	23.59	23.60	23.59	25.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency [MHz]				3710.01	3750	3789.99	[dBm]	[dB]
20	QPSK	1	1	23.54	23.51	23.47	25.0	0.0

Part27O n78_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit [dBm]	MPR [dB]
Channel					650000			
Frequency [MHz]					3750			
100	PI/2 BPSK	1	1		21.95		23.0	0.0
100	PI/2 BPSK	1	137		22.15			
100	PI/2 BPSK	1	271		22.08			
100	PI/2 BPSK	135	0		22.00		23.0	0.0
100	PI/2 BPSK	135	69		22.16		23.0	0.0
100	PI/2 BPSK	135	138		22.10		23.0	0.0
100	PI/2 BPSK	270	0		22.06			
100	QPSK	1	1		22.18		23.0	0.0
100	QPSK	1	137		22.14			
100	QPSK	1	271		22.14			
100	QPSK	135	0		21.98		23.0	0.0
100	QPSK	135	69		22.11			
100	QPSK	135	138		22.09			
100	QPSK	270	0		21.98		23.0	0.0
100	16QAM	1	1		21.83		23.0	0.0
100	64QAM	1	1		22.09		23.0	0.0
100	256QAM	1	1		19.69		21.5	1.5
Channel				649668	650332	650332	Tune-up limit	MPR
Frequency [MHz]				3745.02	3750	3754.98	[dBm]	[dB]
90	QPSK	1	1	21.93	22.01	21.97	23.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency [MHz]				3740.01	3750	3759.99	[dBm]	[dB]
80	QPSK	1	1	21.77	21.89	21.77	23.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency [MHz]				3735	3750	3765	[dBm]	[dB]
70	QPSK	1	1	21.87	21.82	21.78	23.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency [MHz]				3730.02	3750	3769.98	[dBm]	[dB]
60	QPSK	1	1	21.85	21.89	21.83	23.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency [MHz]				3725.01	3750	3774.99	[dBm]	[dB]
50	QPSK	1	1	21.74	21.83	21.78	23.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency [MHz]				3720	3750	3780	[dBm]	[dB]
40	QPSK	1	1	21.85	22.00	21.86	23.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency [MHz]				3715.02	3750.00	3784.98	[dBm]	[dB]
30	QPSK	1	1	21.86	21.94	21.97	23.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency [MHz]				3710.01	3750	3789.99	[dBm]	[dB]
20	QPSK	1	1	21.77	21.97	21.92	23.0	0.0

Part27O n78_HPUE_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit [dBm]	MPR [dB]
Channel					650000			
Frequency [MHz]					3750			
100	PI/2 BPSK	1	1		25.06		26.0	0.0
100	PI/2 BPSK	1	137		25.21			
100	PI/2 BPSK	1	271		25.12			
100	PI/2 BPSK	135	0		24.04		25.5	0.5
100	PI/2 BPSK	135	69		25.18		26.0	0.0
100	PI/2 BPSK	135	138		24.15		25.5	0.5
100	PI/2 BPSK	270	0		24.26			
100	QPSK	1	1		25.27		26.0	0.0
100	QPSK	1	137		25.14			
100	QPSK	1	271		25.17			
100	QPSK	135	0		23.99		26.0	0.0
100	QPSK	135	69		25.08			
100	QPSK	135	138		23.52			
100	QPSK	270	0		23.51		25.0	1.0
100	16QAM	1	1		23.38		25.0	1.0
100	64QAM	1	1		22.03		23.5	2.5
100	256QAM	1	1		19.85		21.5	4.5
Channel				649668	650332	650332	Tune-up limit	MPR
Frequency [MHz]				3745.02	3750	3754.98	[dBm]	[dB]
90	QPSK	1	1	25.12	25.14	24.98	26.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency [MHz]				3740.01	3750	3759.99	[dBm]	[dB]
80	QPSK	1	1	25.09	25.10	24.97	26.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency [MHz]				3735	3750	3765	[dBm]	[dB]
70	QPSK	1	1	24.98	25.08	24.86	26.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency [MHz]				3730.02	3750	3769.98	[dBm]	[dB]
60	QPSK	1	1	24.99	25.08	24.90	26.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency [MHz]				3725.01	3750	3774.99	[dBm]	[dB]
50	QPSK	1	1	25.00	25.11	24.93	26.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency [MHz]				3720	3750	3780	[dBm]	[dB]
40	QPSK	1	1	25.11	25.07	24.88	26.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency [MHz]				3715.02	3750.00	3784.98	[dBm]	[dB]
30	QPSK	1	1	24.93	24.96	24.80	26.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency [MHz]				3710.01	3750	3789.99	[dBm]	[dB]
20	QPSK	1	1	25.06	25.08	24.83	26.0	0.0

Reduced Power for DSI 2

Part27O n77_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.70	12.81	12.63	14.5	0.0
100	PI/2 BPSK	1	137	12.73	12.72	12.72		
100	PI/2 BPSK	1	271	12.62	12.77	12.69		
100	PI/2 BPSK	135	0	12.61	12.71	12.65	14.5	0.0
100	PI/2 BPSK	135	69	12.62	12.65	12.66	14.5	0.0
100	PI/2 BPSK	135	138	12.67	12.78	12.72	14.5	0.0
100	PI/2 BPSK	270	0	12.62	12.70	12.77		
100	QPSK	1	1	12.73	12.82	12.71	14.5	0.0
100	QPSK	1	137	12.68	12.70	12.72		
100	QPSK	1	271	12.63	12.71	12.69		
100	QPSK	135	0	12.58	12.68	12.62	14.5	0.0
100	QPSK	135	69	12.71	12.76	12.66		
100	QPSK	135	138	12.71	12.70	12.61		
100	QPSK	270	0	12.71	12.74	12.60	14.5	0.0
100	16QAM	1	1	12.65	12.74	12.66	14.5	0.0
100	64QAM	1	1	12.62	12.76	12.59	14.5	0.0
100	256QAM	1	1	12.61	12.79	12.72	14.5	0.0
Channel				646668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3840	3934.98		
90	QPSK	1	1	12.67	12.72	12.68	14.5	0.0
Channel				646332	656000	663998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.98	3840	3950.99		
80	QPSK	1	1	12.71	12.70	12.72	14.5	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3945		
70	QPSK	1	1	12.71	12.75	12.63	14.5	0.0
Channel				646666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.99	3840	3949.98		
60	QPSK	1	1	12.62	12.70	12.73	14.5	0.0
Channel				646332	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724.98	3840	3954.99		
50	QPSK	1	1	12.63	12.72	12.72	14.5	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.67	12.72	12.63	14.5	0.0
Channel				647666	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3840.00	3964.98		
30	QPSK	1	1	12.64	12.77	12.69	14.5	0.0
Channel				647332	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3840	3969.99		
20	QPSK	1	1	12.71	12.71	12.63	14.5	0.0

Part27O n77_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.70	12.81	12.63	14.5	0.0
100	PI/2 BPSK	1	137	12.73	12.72	12.72		
100	PI/2 BPSK	1	271	12.62	12.77	12.69		
100	PI/2 BPSK	135	0	12.61	12.71	12.65	14.5	0.0
100	PI/2 BPSK	135	69	12.62	12.65	12.66	14.5	0.0
100	PI/2 BPSK	135	138	12.67	12.78	12.72	14.5	0.0
100	PI/2 BPSK	270	0	12.62	12.70	12.77		
100	QPSK	1	1	12.73	12.82	12.71	14.5	0.0
100	QPSK	1	137	12.68	12.70	12.72		
100	QPSK	1	271	12.63	12.71	12.69		
100	QPSK	135	0	12.58	12.68	12.62	14.5	0.0
100	QPSK	135	69	12.71	12.76	12.66		
100	QPSK	135	138	12.71	12.70	12.61		
100	QPSK	270	0	12.71	12.74	12.60	14.5	0.0
100	16QAM	1	1	12.65	12.74	12.66	14.5	0.0
100	64QAM	1	1	12.62	12.76	12.59	14.5	0.0
100	256QAM	1	1	12.61	12.79	12.72	14.5	0.0
Channel				646668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3840	3934.98		
90	QPSK	1	1	12.67	12.72	12.68	14.5	0.0
Channel				646332	656000	663998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.98	3840	3950.99		
80	QPSK	1	1	12.71	12.70	12.72	14.5	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3945		
70	QPSK	1	1	12.71	12.75	12.63	14.5	0.0
Channel				646666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.99	3840	3949.98		
60	QPSK	1	1	12.62	12.70	12.73	14.5	0.0
Channel				646332	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724.98	3840	3954.99		
50	QPSK	1	1	12.63	12.72	12.72	14.5	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.67	12.72	12.63	14.5	0.0
Channel				647666	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3840.00	3964.98		
30	QPSK	1	1	12.64	12.77	12.69	14.5	0.0
Channel				647332	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3840	3969.99		
20	QPSK	1	1	12.71	12.71	12.63	14.5	0.0

Part27O n77_Ant 1(SRS)

BW [MHz]	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	17.29	17.29	17.25	18.5	0.0
100	PI/2 BPSK	1	137	17.12	17.27	17.26		
100	PI/2 BPSK	1	271	17.17	17.25	17.11		
100	PI/2 BPSK	135	0	17.14	17.29	17.23	18.5	0.0
100	PI/2 BPSK	135	69	17.26	17.29	17.23	18.5	0.0
100	PI/2 BPSK	135	138	17.20	17.24	17.21	18.5	0.0
100	PI/2 BPSK	270	0	17.14	17.26	17.20		
100	QPSK	1	1	17.32	17.35	17.34	18.5	0.0
100	QPSK	1	137	17.21	17.33	17.24		
100	QPSK	1	271	17.15	17.29	17.26		
100	QPSK	135	0	17.22	17.25	17.23	18.5	0.0
100	QPSK	135	69	17.17	17.31	17.26		
100	QPSK	135	138	17.15	17.29	17.27		
100	QPSK	270	0	17.23	17.26	17.22	18.5	0.0
100	16QAM	1	1	17.09	17.13	17.12	18.5	0.0
100	64QAM	1	1	17.27	17.30	17.23	18.5	0.0
100	256QAM	1	1	15.43	15.53	15.44	17.0	1.5
Channel				646668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3840	3934.98		
90	QPSK	1	1	17.20	17.24	17.18	18.5	0.0
Channel				646332	656000	663998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.98	3840	3950.99		
80	QPSK	1	1	17.15	17.21	17.16	18.5	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3945		
70	QPSK	1	1	17.28	17.28	17.26	18.5	0.0
Channel				646666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.99	3840	3949.98		
60	QPSK	1	1	17.25	17.29	17.32	18.5	0.0
Channel				646332	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724.98	3840	3954.99		
50	QPSK	1	1	17.25	17.32	17.32	18.5	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.33	17.32	17.31	18.5	0.0
Channel				647666	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3840.00	3964.98		
30	QPSK	1	1	17.19	17.29	17.28	18.5	0.0
Channel				647332	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3840	3969.99		
20	QPSK	1	1	17.20	17.26	17.23	18.5	0.0

Part27O n77_HPUE_Ant 1(SRS)

BW [MHz]	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	20.30	20.30	20.15	21.5	0.0
100	PI/2 BPSK	1	137	20.23	20.25	20.18		
100	PI/2 BPSK	1	271	20.17	20.23	20.13		
100	PI/2 BPSK	135	0	20.34	20.35	20.35	21.0	0.5
100	PI/2 BPSK	135	69	20.19	20.30	20.17	21.5	0.0
100	PI/2 BPSK	135	138	20.19	20.27	20.14	21.0	0.5
100	PI/2 BPSK	270	0	20.14	20.24	20.10		
100	QPSK	1	1	20.28	20.37	20.32	21.5	0.0
100	QPSK	1	137	20.17	20.30	20.16		
100	QPSK	1	271	20.22	20.32	20.23		
100	QPSK	135	0	20.21	20.34	20.32	21.5	0.0
100	QPSK	135	69	20.30	20.35	20.24		
100	QPSK	135	138	20.06	20.16	20.01		
100	QPSK	270	0	20.14	20.26	20.15	20.5	1.0
100	16QAM	1	1	18.59	18.61	18.52	20.5	1.0
100	64QAM	1	1	17.64	17.79	17.79	19.0	2.5
100	256QAM	1	1	15.42	15.54	15.48	17.0	4.5
Channel				646668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3840	3934.98		
90	QPSK	1	1	20.31	20.35	20.28	21.5	0.0
Channel				646332	656000	663998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.98	3840	3950.99		
80	QPSK	1	1	20.16	20.26	20.23	21.5	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3945		
70	QPSK	1	1	20.32	20.33	20.24	21.5	0.0
Channel				646666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.99	3840	3949.98		
60	QPSK	1	1	20.29	20.25	20.27	21.5	0.0
Channel				646332	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724.98	3840	3954.99		
50	QPSK	1	1	20.28	20.31	20.34	21.5	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.25	20.29	20.28	21.5	0.0
Channel				647666	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3840.00	3964.98		
30	QPSK	1	1	20.29	20.29	20.31	21.5	0.0
Channel				647332	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3840	3969.99		
20	QPSK	1	1	20.32	20.29	20.31	21.5	0.0

Part27O n77_Ant 2(SRS)

BW [MHz]	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	17.18	17.30	17.18		
100	PI/2 BPSK	1	137	17.17	17.25	17.23	18.5	0.0
100	PI/2 BPSK	1	271	17.21	17.27	17.18		
100	PI/2 BPSK	135	0	17.16	17.31	17.18	18.5	0.0
100	PI/2 BPSK	135	69	17.12	17.23	17.17	18.5	0.0
100	PI/2 BPSK	135	138	17.23	17.27	17.16	18.5	0.0
100	PI/2 BPSK	270	0	17.09	17.24	17.12		
100	QPSK	1	1	17.33	17.37	17.26		
100	QPSK	1	137	17.20	17.28	17.13	18.5	0.0
100	QPSK	1	271	17.28	17.35	17.22		
100	QPSK	135	0	17.13	17.26	17.14		
100	QPSK	135	69	17.14	17.29	17.28	18.5	0.0
100	QPSK	135	138	17.07	17.21	17.09		
100	QPSK	270	0	17.22	17.23	17.13	18.5	0.0
100	16QAM	1	1	17.12	17.25	17.14	18.5	0.0
100	64QAM	1	1	17.19	17.24	17.21	18.5	0.0
100	256QAM	1	1	16.07	16.13	16.08	17.0	1.5
Channel				649332	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	17.25	17.30	17.29	18.5	0.0
Channel				649332	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	17.21	17.21	17.18	18.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.19	17.23	17.20	18.5	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	17.21	17.29	17.21	18.5	0.0
Channel				648332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	17.29	17.34	17.32	18.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.21	17.29	17.25	18.5	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	17.36	17.32	17.25	18.5	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	17.32	17.29	17.20	18.5	0.0

Part27O n77_HPUE_Ant 2(SRS)

BW [MHz]	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	20.27	20.41	20.30		
100	PI/2 BPSK	1	137	20.26	20.30	20.24	21.5	0.0
100	PI/2 BPSK	1	271	20.22	20.32	20.19		
100	PI/2 BPSK	135	0	20.23	20.26	20.18	21.0	0.5
100	PI/2 BPSK	135	69	20.27	20.27	20.12	21.5	0.0
100	PI/2 BPSK	135	138	20.14	20.21	20.16	21.0	0.5
100	PI/2 BPSK	270	0	20.19	20.28	20.18		
100	QPSK	1	1	20.36	20.45	20.37		
100	QPSK	1	137	20.20	20.33	20.33	21.5	0.0
100	QPSK	1	271	20.32	20.36	20.30		
100	QPSK	135	0	20.17	20.22	20.20		
100	QPSK	135	69	20.11	20.25	20.10	21.5	0.0
100	QPSK	135	138	20.16	20.17	20.03		
100	QPSK	270	0	20.13	20.28	20.19	20.5	1.0
100	16QAM	1	1	19.07	19.20	19.08	20.5	1.0
100	64QAM	1	1	18.29	18.39	18.25	19.0	2.5
100	256QAM	1	1	16.01	16.14	15.99	17.0	4.5
Channel				649332	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	20.23	20.31	20.35	21.5	0.0
Channel				649332	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	20.32	20.40	20.42	21.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.28	20.35	20.40	21.5	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	20.41	20.36	20.38	21.5	0.0
Channel				648332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	20.28	20.37	20.37	21.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.35	20.35	20.36	21.5	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	20.37	20.41	20.43	21.5	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	20.31	20.37	20.41	21.5	0.0

Part27O n77_Ant 8(SRS)

BW [MHz]	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	22.16	22.21	22.08		
100	PI/2 BPSK	1	137	22.19	22.20	22.13	24.0	0.0
100	PI/2 BPSK	1	271	21.98	22.13	22.11		
100	PI/2 BPSK	135	0	21.94	22.02	21.99	24.0	0.0
100	PI/2 BPSK	135	69	22.17	22.17	22.11	24.0	0.0
100	PI/2 BPSK	135	138	22.06	22.17	22.15	24.0	0.0
100	PI/2 BPSK	270	0	22.00	22.12	22.11		
100	QPSK	1	1	22.21	22.28	22.13		
100	QPSK	1	137	22.10	22.16	22.12	24.0	0.0
100	QPSK	1	271	22.09	22.19	22.13		
100	QPSK	135	0	22.01	22.06	21.97		
100	QPSK	135	69	22.12	22.18	22.13	24.0	0.0
100	QPSK	135	138	22.08	22.17	22.12		
100	QPSK	270	0	22.00	22.01	21.92	24.0	0.0
100	16QAM	1	1	22.07	22.16	22.05	24.0	0.0
100	64QAM	1	1	20.75	20.90	20.86	23.5	0.5
100	256QAM	1	1	19.52	19.55	19.55	21.5	2.5
Channel				649332	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	21.92	22.06	22.06	24.0	0.0
Channel				649332	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	21.95	22.07	22.06	24.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	22.00	22.13	22.10	24.0	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	22.15	22.25	22.16	24.0	0.0
Channel				648332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	22.09	22.13	22.12	24.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.17	22.23	22.09	24.0	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	22.21	22.27	22.24	24.0	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	22.18	22.24	22.12	24.0	0.0

Part27O n77_HPUE_Ant 8(SRS)

BW [MHz]	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	24.24	24.30	24.23		
100	PI/2 BPSK	1	137	24.10	24.25	24.19	26.0	0.0
100	PI/2 BPSK	1	271	24.17	24.28	24.27		
100	PI/2 BPSK	135	0	23.16	23.27	23.25	25.5	0.5
100	PI/2 BPSK	135	69	24.04	24.27	24.15	26.0	0.0
100	PI/2 BPSK	135	138	23.38	23.39	23.26	25.5	0.5
100	PI/2 BPSK	270	0	23.23	23.32	23.30		
100	QPSK	1	1	24.23	24.32	24.20		
100	QPSK	1	137	24.08	24.17	24.09	26.0	0.0
100	QPSK	1	271	24.10	24.25	24.21		
100	QPSK	135	0	22.64	22.79	22.66		
100	QPSK	135	69	24.14	24.16	24.15	26.0	0.0
100	QPSK	135	138	22.81	22.87	22.83		
100	QPSK	270	0	23.18	23.31	23.20	25.0	1.0
100	16QAM	1	1	23.02	23.17	23.04	25.0	1.0
100	64QAM	1	1	20.93	20.94	20.88	23.5	2.5
100	256QAM	1	1	19.37	19.51	19.54	21.5	4.5
Channel				649332	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	24.29	24.10	24.28	26.0	0.0
Channel				649332	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	24.23	24.16	24.09	26.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	24.17	24.13	24.22	25.0	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	24.13	24.24	24.10	25.0	0.0
Channel				648332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	24.23	24.26	24.14	26.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	24.12	24.16	24.13	26.0	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	24.09	24.11	24.26	26.0	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	24.16	24.10	24.20	26.0	0.0

Part27O n78_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.29		14.5	0.0
100	PI/2 BPSK	1	137		13.28			
100	PI/2 BPSK	1	271		13.25			
100	PI/2 BPSK	135	0		13.40		14.5	0.0
100	PI/2 BPSK	135	69		13.33		14.5	0.0
100	PI/2 BPSK	135	138		13.22		14.5	0.0
100	PI/2 BPSK	270	0		13.33			
100	QPSK	1	1		13.41		14.5	0.0
100	QPSK	1	137		13.29			
100	QPSK	1	271		13.40			
100	QPSK	135	0		13.30		14.5	0.0
100	QPSK	135	69		13.31			
100	QPSK	135	138		13.14			
100	QPSK	270	0		13.21		14.5	0.0
100	16QAM	1	1		13.14		14.5	0.0
100	64QAM	1	1		13.20		14.5	0.0
100	256QAM	1	1		13.29		14.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	13.29	13.34	13.39	14.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	13.39	13.30	13.26	14.5	0.0
Channel				648000	650000	651999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
70	QPSK	1	1	13.36	13.29	13.34	14.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750.02	3750	3749.98		
60	QPSK	1	1	13.37	13.37	13.39	14.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	13.39	13.35	13.39	14.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.34	13.34	13.27	14.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	13.35	13.26	13.30	14.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	13.34	13.33	13.35	14.5	0.0

Part27O n78_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.29		14.5	0.0
100	PI/2 BPSK	1	137		13.28			
100	PI/2 BPSK	1	271		13.25			
100	PI/2 BPSK	135	0		13.40		14.5	0.0
100	PI/2 BPSK	135	69		13.33		14.5	0.0
100	PI/2 BPSK	135	138		13.22		14.5	0.0
100	PI/2 BPSK	270	0		13.33			
100	QPSK	1	1		13.41		14.5	0.0
100	QPSK	1	137		13.29			
100	QPSK	1	271		13.40			
100	QPSK	135	0		13.30		14.5	0.0
100	QPSK	135	69		13.31			
100	QPSK	135	138		13.14			
100	QPSK	270	0		13.21		14.5	0.0
100	16QAM	1	1		13.14		14.5	0.0
100	64QAM	1	1		13.20		14.5	0.0
100	256QAM	1	1		13.29		14.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	13.29	13.34	13.39	14.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	13.39	13.30	13.26	14.5	0.0
Channel				648000	650000	651999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
70	QPSK	1	1	13.36	13.29	13.34	14.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750.02	3750	3749.98		
60	QPSK	1	1	13.37	13.37	13.39	14.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	13.39	13.35	13.39	14.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.34	13.34	13.27	14.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	13.35	13.26	13.30	14.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	13.34	13.33	13.35	14.5	0.0

Part27O n78_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.00		20.0	0.0
100	PI/2 BPSK	1	137		18.99			
100	PI/2 BPSK	1	271		18.93			
100	PI/2 BPSK	135	0		18.90		20.0	0.0
100	PI/2 BPSK	135	69		18.95		20.0	0.0
100	PI/2 BPSK	135	138		18.89		20.0	0.0
100	PI/2 BPSK	270	0		18.96			
100	QPSK	1	1		19.07		20.0	0.0
100	QPSK	1	137		18.92			
100	QPSK	1	271		19.02			
100	QPSK	135	0		18.86		20.0	0.0
100	QPSK	135	69		18.97			
100	QPSK	135	138		18.85			
100	QPSK	270	0		18.88		20.0	0.0
100	16QAM	1	1		18.63		20.0	0.0
100	64QAM	1	1		18.65		20.0	0.0
100	256QAM	1	1		17.73		18.5	1.5
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	18.95	18.96	18.87	20.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	18.93	18.91	18.94	20.0	0.0
Channel				648668	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3733	3750	3766		
70	QPSK	1	1	19.03	19.05	18.99	20.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750.02	3750	3749.98		
60	QPSK	1	1	18.96	18.98	18.94	20.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	18.83	18.91	18.92	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.04	19.01	18.97	20.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	18.90	18.93	18.92	20.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	18.99	19.04	19.04	20.0	0.0

Part27O n78_HPUE_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.70		23.0	0.0
100	PI/2 BPSK	1	137		22.01			
100	PI/2 BPSK	1	271		22.01			
100	PI/2 BPSK	135	0		21.90		22.5	0.5
100	PI/2 BPSK	135	69		21.86		23.0	0.0
100	PI/2 BPSK	135	138		21.89		22.5	0.5
100	PI/2 BPSK	270	0		21.95			
100	QPSK	1	1		22.06		23.0	0.0
100	QPSK	1	137		21.97			
100	QPSK	1	271		22.00			
100	QPSK	135	0		21.59		23.0	0.0
100	QPSK	135	69		21.85			
100	QPSK	135	138		21.88			
100	QPSK	270	0		21.79		22.0	1.0
100	16QAM	1	1		21.14		22.0	1.0
100	64QAM	1	1		19.55		20.5	2.5
100	256QAM	1	1		17.86		18.5	4.5
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	21.73	21.74	21.74	23.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	21.77	21.73	21.78	23.0	0.0
Channel				648668	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.62	21.63	21.69	23.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750.02	3750	3749.98		
60	QPSK	1	1	21.79	21.75	21.77	23.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	21.61	21.68	21.67	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.76	21.74	21.74	23.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	21.76	21.71	21.71	23.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	21.54	21.64	21.57	23.0	0.0

Part27O n78_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		20.44			
100	PI/2 BPSK	1	137		20.43		22.0	0.0
100	PI/2 BPSK	1	271		20.27			
100	PI/2 BPSK	135	0		20.34		22.0	0.0
100	PI/2 BPSK	135	69		20.23		22.0	0.0
100	PI/2 BPSK	135	138		20.22		22.0	0.0
100	PI/2 BPSK	270	0		20.23			
100	QPSK	1	1		20.48			
100	QPSK	1	137		20.42		22.0	0.0
100	QPSK	1	271		20.32			
100	QPSK	135	0		20.27			
100	QPSK	135	69		20.32		22.0	0.0
100	QPSK	135	138		20.20			
100	QPSK	270	0		20.24		22.0	0.0
100	16QAM	1	1		20.11		21.0	1.0
100	64QAM	1	1		18.33		19.5	2.5
100	256QAM	1	1		16.11		17.5	4.5
Channel				646668	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	20.32	20.37	20.37	22.0	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	20.35	20.38	20.31	22.0	0.0
Channel				646000	650000	653998	Tune-up limit	MPR
Frequency (MHz)				3730	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.40	20.41	20.46	22.0	0.0
Channel				646668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	20.32	20.41	20.36	22.0	0.0
Channel				646334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	20.36	20.39	20.31	22.0	0.0
Channel				646000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.43	20.47	20.45	22.0	0.0
Channel				647968	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	20.40	20.42	20.38	22.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	20.45	20.44	20.37	22.0	0.0

Part27O n78_HPUE_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.58			
100	PI/2 BPSK	1	137		23.50		25.0	0.0
100	PI/2 BPSK	1	271		23.43			
100	PI/2 BPSK	135	0		23.60		24.5	0.5
100	PI/2 BPSK	135	69		23.63		25.0	0.0
100	PI/2 BPSK	135	138		23.50		24.5	0.5
100	PI/2 BPSK	270	0		23.60			
100	QPSK	1	1		23.65			
100	QPSK	1	137		23.63		25.0	0.0
100	QPSK	1	271		23.45			
100	QPSK	135	0		22.63			
100	QPSK	135	69		23.60		25.0	0.0
100	QPSK	135	138		22.62			
100	QPSK	270	0		22.64		24.0	1.0
100	16QAM	1	1		22.39		24.0	1.0
100	64QAM	1	1		21.16		22.5	2.5
100	256QAM	1	1		19.47		20.5	4.5
Channel				646668	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	23.62	23.67	23.52	25.0	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	23.52	23.48	23.51	25.0	0.0
Channel				646000	650000	653998	Tune-up limit	MPR
Frequency (MHz)				3730	3750	3765	(dBm)	(dB)
70	QPSK	1	1	23.43	23.53	23.46	25.0	0.0
Channel				646668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	23.42	23.49	23.40	25.0	0.0
Channel				646334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	23.53	23.63	23.64	25.0	0.0
Channel				646000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	23.53	23.61	23.61	25.0	0.0
Channel				647968	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	23.59	23.60	23.59	25.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	23.54	23.51	23.47	25.0	0.0

Part27O n78_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.95			
100	PI/2 BPSK	1	137		22.15		23.0	0.0
100	PI/2 BPSK	1	271		22.08			
100	PI/2 BPSK	135	0		22.00		23.0	0.0
100	PI/2 BPSK	135	69		22.16		23.0	0.0
100	PI/2 BPSK	135	138		22.10		23.0	0.0
100	PI/2 BPSK	270	0		22.06			
100	QPSK	1	1		22.18			
100	QPSK	1	137		22.14		23.0	0.0
100	QPSK	1	271		22.14			
100	QPSK	135	0		21.98			
100	QPSK	135	69		22.11		23.0	0.0
100	QPSK	135	138		22.09			
100	QPSK	270	0		21.98		23.0	0.0
100	16QAM	1	1		21.93		23.0	0.0
100	64QAM	1	1		22.09		23.0	0.0
100	256QAM	1	1		19.89		21.5	1.5
Channel				646668	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	21.93	22.01	21.97	23.0	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	21.77	21.89	21.73	23.0	0.0
Channel				646000	650000	653998	Tune-up limit	MPR
Frequency (MHz)				3730	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.87	21.82	21.73	23.0	0.0
Channel				646668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	21.85	21.89	21.83	23.0	0.0
Channel				646334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	21.74	21.83	21.79	23.0	0.0
Channel				646000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.85	22.00	21.86	23.0	0.0
Channel				647968	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	21.86	21.94	21.97	23.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	21.77	21.97	21.92	23.0	0.0

Part27O n78_HPUE_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		25.06			
100	PI/2 BPSK	1	137		25.21		26.0	0.0
100	PI/2 BPSK	1	271		25.12			
100	PI/2 BPSK	135	0		24.04		25.5	0.5
100	PI/2 BPSK	135	69		25.18		26.0	0.0
100	PI/2 BPSK	135	138		24.15		25.5	0.5
100	PI/2 BPSK	270	0		24.26			
100	QPSK	1	1		25.23			
100	QPSK	1	137		25.14		26.0	0.0
100	QPSK	1	271		25.17			
100	QPSK	135	0		23.59			
100	QPSK	135	69		25.08		26.0	0.0
100	QPSK	135	138		23.52			
100	QPSK	270	0		23.51		25.0	1.0
100	16QAM	1	1		23.38		25.0	1.0
100	64QAM	1	1		22.03		23.5	2.5
100	256QAM	1	1		19.85		21.5	4.5
Channel				646668	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	25.12	25.14	24.98	26.0	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	25.09	25.10	24.97	26.0	0.0
Channel				646000	650000	653998	Tune-up limit	MPR
Frequency (MHz)				3730	3750	3765	(dBm)	(dB)
70	QPSK	1	1	24.98	25.08	24.86	25.0	0.0
Channel				646668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	24.99	25.08	24.90	25.0	0.0
Channel				646334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	25.00	25.11	24.93	26.0	0.0
Channel				646000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	25.11	25.07	24.88	26.0	0.0
Channel				647968	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	24.93	24.96	24.80	26.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	25.06	25.08	24.93	26.0	0.0

Reduced Power for DSI 3

Part27O n77_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.70	12.81	12.63	14.5	0.0
100	PI/2 BPSK	1	137	12.73	12.72	12.72		
100	PI/2 BPSK	1	271	12.62	12.77	12.69		
100	PI/2 BPSK	135	0	12.61	12.71	12.65	14.5	0.0
100	PI/2 BPSK	135	69	12.62	12.65	12.68	14.5	0.0
100	PI/2 BPSK	135	138	12.67	12.78	12.72	14.5	0.0
100	PI/2 BPSK	270	0	12.62	12.70	12.77		
100	QPSK	1	1	12.73	12.92	12.71	14.5	0.0
100	QPSK	1	137	12.68	12.70	12.72		
100	QPSK	1	271	12.63	12.71	12.68		
100	QPSK	135	0	12.58	12.68	12.62	14.5	0.0
100	QPSK	135	69	12.71	12.76	12.66		
100	QPSK	135	138	12.71	12.70	12.61		
100	QPSK	270	0	12.71	12.74	12.60	14.5	0.0
100	16QAM	1	1	12.65	12.74	12.66	14.5	0.0
100	64QAM	1	1	12.62	12.76	12.59	14.5	0.0
100	256QAM	1	1	12.61	12.79	12.72	14.5	0.0
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	12.67	12.72	12.68	14.5	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	12.71	12.70	12.72	14.5	0.0
Channel				648000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3730	3840	3945	(dBm)	(dB)
70	QPSK	1	1	12.71	12.75	12.63	14.5	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	12.62	12.70	12.73	14.5	0.0
Channel				648332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	12.63	12.72	12.72	14.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	12.67	12.72	12.63	14.5	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	12.64	12.77	12.69	14.5	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	12.71	12.71	12.63	14.5	0.0

Part27O n77_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.70	12.81	12.63	14.5	0.0
100	PI/2 BPSK	1	137	12.73	12.72	12.72		
100	PI/2 BPSK	1	271	12.62	12.77	12.69		
100	PI/2 BPSK	135	0	12.61	12.71	12.65	14.5	0.0
100	PI/2 BPSK	135	69	12.62	12.65	12.68	14.5	0.0
100	PI/2 BPSK	135	138	12.67	12.78	12.72	14.5	0.0
100	PI/2 BPSK	270	0	12.62	12.70	12.77		
100	QPSK	1	1	12.73	12.82	12.71	14.5	0.0
100	QPSK	1	137	12.68	12.70	12.72		
100	QPSK	1	271	12.63	12.71	12.68		
100	QPSK	135	0	12.58	12.68	12.62	14.5	0.0
100	QPSK	135	69	12.71	12.70	12.66		
100	QPSK	135	138	12.71	12.70	12.61		
100	QPSK	270	0	12.71	12.74	12.60	14.5	0.0
100	16QAM	1	1	12.65	12.74	12.66	14.5	0.0
100	64QAM	1	1	12.62	12.76	12.59	14.5	0.0
100	256QAM	1	1	12.61	12.79	12.72	14.5	0.0
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	12.67	12.72	12.68	14.5	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	12.71	12.70	12.72	14.5	0.0
Channel				648000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3730	3840	3945	(dBm)	(dB)
70	QPSK	1	1	12.71	12.75	12.63	14.5	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	12.62	12.70	12.73	14.5	0.0
Channel				648332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	12.63	12.72	12.72	14.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	12.67	12.72	12.63	14.5	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	12.64	12.77	12.69	14.5	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	12.71	12.71	12.63	14.5	0.0

Part27O n77_Ant 1(SRS)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid 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	16.71	16.69	16.57	18.0	0.0
100	PI/2 BPSK	1	137	16.69	16.64	16.60		
100	PI/2 BPSK	1	271	16.55	16.67	16.62		
100	PI/2 BPSK	135	0	16.65	16.67	16.61	18.0	0.0
100	PI/2 BPSK	135	69	16.72	16.63	16.64	18.0	0.0
100	PI/2 BPSK	135	138	16.61	16.61	16.55	18.0	0.0
100	PI/2 BPSK	270	0	16.66	16.67	16.55		
100	QPSK	1	1	16.69	16.76	16.53	18.0	0.0
100	QPSK	1	137	16.64	16.69	16.51		
100	QPSK	1	271	16.72	16.75	16.61		
100	QPSK	135	0	16.63	16.63	16.64	18.0	0.0
100	QPSK	135	69	16.66	16.72	16.59		
100	QPSK	135	138	16.75	16.70	16.53		
100	QPSK	270	0	16.67	16.74	16.62	18.0	0.0
100	16QAM	1	1	16.67	16.75	16.52	18.0	0.0
100	64QAM	1	1	16.71	16.71	16.60	18.0	0.0
100	256QAM	1	1	15.59	15.68	15.48	17.0	1.0
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	16.58	16.65	16.41	18.0	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	16.62	16.71	16.51	18.0	0.0
Channel				648000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3730	3840	3945	(dBm)	(dB)
70	QPSK	1	1	16.54	16.60	16.52	18.0	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	16.54	16.58	16.41	18.0	0.0
Channel				648332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	16.60	16.69	16.50	18.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	16.66	16.69	16.45	18.0	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	16.62	16.70	16.48	18.0	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	16.59	16.58	16.52	18.0	0.0

Part27O n77_HPUE_Ant 1(SRS)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid 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	16.71	16.69	16.57	18.0	0.0
100	PI/2 BPSK	1	137	16.69	16.64	16.60		
100	PI/2 BPSK	1	271	16.55	16.67	16.62		
100	PI/2 BPSK	135	0	16.65	16.67	16.61	18.0	0.0
100	PI/2 BPSK	135	69	16.72	16.63	16.64	18.0	0.0
100	PI/2 BPSK	135	138	16.61	16.61	16.55	18.0	0.0
100	PI/2 BPSK	270	0	16.66	16.67	16.55		
100	QPSK	1	1	16.69	16.76	16.53	18.0	0.0
100	QPSK	1	137	16.64	16.69	16.51		
100	QPSK	1	271	16.72	16.75	16.61		
100	QPSK	135	0	16.63	16.63	16.64	18.0	0.0
100	QPSK	135	69	16.66	16.72	16.59		
100	QPSK	135	138	16.75	16.70	16.53		
100	QPSK	270	0	16.67	16.74	16.62	18.0	0.0
100	16QAM	1	1	16.67	16.75	16.52	18.0	0.0
100	64QAM	1	1	16.71	16.71	16.60	18.0	0.0
100	256QAM	1	1	15.59	15.68	15.48	17.0	1.0
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	16.58	16.65	16.41	18.0	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	16.62	16.71	16.51	18.0	0.0
Channel				648000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3730	3840	3945	(dBm)	(dB)
70	QPSK	1	1	16.54	16.60	16.52	18.0	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	16.54	16.58	16.41	18.0	0.0
Channel				648332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	16.60	16.69	16.50	18.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	16.66	16.69	16.45	18.0	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	16.62	16.70	16.48	18.0	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	16.59	16.58	16.52	18.0	0.0

Part27O n77_Ant 2(SRS)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid 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	13.94	14.00	13.89	15.0	0.0
100	PI/2 BPSK	1	137	13.88	13.93	13.81		
100	PI/2 BPSK	1	271	13.90	13.93	13.87		
100	PI/2 BPSK	135	0	13.86	14.00	13.98	15.0	0.0
100	PI/2 BPSK	135	69	13.94	13.99	13.79	15.0	0.0
100	PI/2 BPSK	135	138	13.78	13.94	13.78	15.0	0.0
100	PI/2 BPSK	270	0	13.84	14.00	13.88		
100	QPSK	1	1	13.84	14.02	13.81	15.0	0.0
100	QPSK	1	137	13.88	13.88	13.78		
100	QPSK	1	271	13.83	13.98	13.93		
100	QPSK	135	0	13.87	13.97	13.82	15.0	0.0
100	QPSK	135	69	13.86	14.01	13.79		
100	QPSK	135	138	13.96	14.00	13.89		
100	QPSK	270	0	13.92	13.94	13.89	15.0	0.0
100	16QAM	1	1	13.88	14.00	13.93	15.0	0.0
100	64QAM	1	1	13.84	13.92	13.85	15.0	0.0
100	256QAM	1	1	13.77	13.90	13.82	15.0	0.0
Channel				649666	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3840	3934.98		
90	QPSK	1	1	13.63	13.54	13.46	15.0	0.0
Channel				649332	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3739.98	3840	3939.99		
80	QPSK	1	1	13.52	13.60	13.59	15.0	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3945		
70	QPSK	1	1	13.62	13.55	13.60	15.0	0.0
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.99	3840	3945.99		
60	QPSK	1	1	13.51	13.52	13.55	15.0	0.0
Channel				648332	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3704.98	3840	3954.99		
50	QPSK	1	1	13.53	13.52	13.52	15.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.49	13.65	13.55	15.0	0.0
Channel				647332	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3840.00	3964.98		
30	QPSK	1	1	13.63	13.61	13.47	15.0	0.0
Channel				647332	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3840	3969.99		
20	QPSK	1	1	13.63	13.65	13.54	15.0	0.0

Part27O n77_HPUE_Ant 2(SRS)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid 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	13.94	14.00	13.89	15.0	0.0
100	PI/2 BPSK	1	137	13.88	13.93	13.81		
100	PI/2 BPSK	1	271	13.90	13.93	13.87		
100	PI/2 BPSK	135	0	13.86	14.00	13.98	15.0	0.0
100	PI/2 BPSK	135	69	13.94	13.99	13.79	15.0	0.0
100	PI/2 BPSK	135	138	13.78	13.94	13.78	15.0	0.0
100	PI/2 BPSK	270	0	13.84	14.00	13.88		
100	QPSK	1	1	13.84	14.02	13.81	15.0	0.0
100	QPSK	1	137	13.88	13.88	13.78		
100	QPSK	1	271	13.83	13.98	13.93		
100	QPSK	135	0	13.87	13.97	13.82	15.0	0.0
100	QPSK	135	69	13.86	14.01	13.79		
100	QPSK	135	138	13.96	14.00	13.89		
100	QPSK	270	0	13.92	13.94	13.89	15.0	0.0
100	16QAM	1	1	13.88	14.00	13.93	15.0	0.0
100	64QAM	1	1	13.84	13.92	13.85	15.0	0.0
100	256QAM	1	1	13.77	13.90	13.82	15.0	0.0
Channel				649666	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3840	3934.98		
90	QPSK	1	1	13.63	13.54	13.46	15.0	0.0
Channel				649332	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3739.98	3840	3939.99		
80	QPSK	1	1	13.52	13.60	13.59	15.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
70	QPSK	1	1	13.62	13.55	13.60	15.0	0.0
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.99	3840	3945.99		
60	QPSK	1	1	13.51	13.52	13.55	15.0	0.0
Channel				648332	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3704.98	3840	3954.99		
50	QPSK	1	1	13.53	13.52	13.52	15.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.49	13.65	13.55	15.0	0.0
Channel				647332	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3840.00	3964.98		
30	QPSK	1	1	13.63	13.61	13.47	15.0	0.0
Channel				647332	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3840	3969.99		
20	QPSK	1	1	13.63	13.65	13.54	15.0	0.0

Part27O n77_Ant 8(SRS)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.22	14.22	14.20	16.0	0.0
100	PI/2 BPSK	1	137	13.99	14.11	14.08		
100	PI/2 BPSK	1	271	14.10	14.17	14.23		
100	PI/2 BPSK	135	0	14.15	14.15	14.09	16.0	0.0
100	PI/2 BPSK	135	69	13.99	14.15	14.18	16.0	0.0
100	PI/2 BPSK	135	138	14.15	14.24	14.26	16.0	0.0
100	PI/2 BPSK	270	0	14.13	14.27	14.19		
100	QPSK	1	1	14.04	14.29	14.11	16.0	0.0
100	QPSK	1	137	14.05	14.15	14.15		
100	QPSK	1	271	14.16	14.24	14.22		
100	QPSK	135	0	14.09	14.16	14.17	16.0	0.0
100	QPSK	135	69	14.03	14.27	14.12		
100	QPSK	135	138	14.17	14.26	14.22		
100	QPSK	270	0	13.95	14.11	14.06	16.0	0.0
100	16QAM	1	1	14.13	14.24	14.08	16.0	0.0
100	64QAM	1	1	13.95	14.18	14.13	16.0	0.0
100	256QAM	1	1	14.03	14.23	14.19	16.0	0.0
Channel				649666	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3840	3934.98		
90	QPSK	1	1	14.00	14.25	14.02	16.0	0.0
Channel				649332	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3739.98	3840	3939.99		
80	QPSK	1	1	13.99	14.17	13.97	16.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
70	QPSK	1	1	14.02	14.18	14.01	16.0	0.0
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.99	3840	3945.99		
60	QPSK	1	1	14.01	14.23	14.09	16.0	0.0
Channel				648332	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3704.98	3840	3954.99		
50	QPSK	1	1	13.98	14.19	14.03	16.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.99	14.25	13.96	16.0	0.0
Channel				647332	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3840.00	3964.98		
30	QPSK	1	1	13.93	14.19	14.10	16.0	0.0
Channel				647332	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3840	3969.99		
20	QPSK	1	1	13.94	14.25	13.98	16.0	0.0

Part27O n77_HPUE_Ant 8(SRS)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.22	14.22	14.20	16.0	0.0
100	PI/2 BPSK	1	137	13.98	14.11	14.08		
100	PI/2 BPSK	1	271	14.10	14.17	14.23		
100	PI/2 BPSK	135	0	14.15	14.15	14.09	16.0	0.0
100	PI/2 BPSK	135	69	13.98	14.15	14.18	16.0	0.0
100	PI/2 BPSK	135	138	14.15	14.24	14.26	16.0	0.0
100	PI/2 BPSK	270	0	14.13	14.27	14.19		
100	QPSK	1	1	14.04	14.29	14.11	16.0	0.0
100	QPSK	1	137	14.05	14.15	14.15		
100	QPSK	1	271	14.16	14.24	14.20		
100	QPSK	135	0	14.09	14.16	14.17	16.0	0.0
100	QPSK	135	69	14.03	14.27	14.12		
100	QPSK	135	138	14.17	14.26	14.22		
100	QPSK	270	0	13.95	14.11	14.06	16.0	0.0
100	16QAM	1	1	14.13	14.24	14.08	16.0	0.0
100	64QAM	1	1	13.95	14.18	14.13	16.0	0.0
100	256QAM	1	1	14.03	14.23	14.19	16.0	0.0
Channel				649666	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3840	3934.98		
90	QPSK	1	1	14.00	14.25	14.02	16.0	0.0
Channel				649332	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3739.98	3840	3939.99		
80	QPSK	1	1	13.99	14.17	13.97	16.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
70	QPSK	1	1	14.02	14.18	14.01	16.0	0.0
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.99	3840	3945.99		
60	QPSK	1	1	14.01	14.23	14.09	16.0	0.0
Channel				648332	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3704.98	3840	3954.99		
50	QPSK	1	1	13.98	14.19	14.03	16.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.99	14.25	13.96	16.0	0.0
Channel				647332	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3840.00	3964.98		
30	QPSK	1	1	13.93	14.19	14.10	16.0	0.0
Channel				647332	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3840	3969.99		
20	QPSK	1	1	13.94	14.25	13.98	16.0	0.0

Part27O n78_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.79		14.0	0.0
100	PI/2 BPSK	1	137		12.78			
100	PI/2 BPSK	1	271		12.75			
100	PI/2 BPSK	135	0		12.90		14.0	0.0
100	PI/2 BPSK	135	69		12.83		14.0	0.0
100	PI/2 BPSK	135	138		12.72		14.0	0.0
100	PI/2 BPSK	270	0		12.83			
100	QPSK	1	1		12.91		14.0	0.0
100	QPSK	1	137		12.79			
100	QPSK	1	271		12.90			
100	QPSK	135	0		12.80		14.0	0.0
100	QPSK	135	69		12.81			
100	QPSK	135	138		12.64			
100	QPSK	270	0		12.71		14.0	0.0
100	16QAM	1	1		12.64		14.0	0.0
100	64QAM	1	1		12.70		14.0	0.0
100	256QAM	1	1		12.79		14.0	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	12.79	12.84	12.89	14.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	12.89	12.80	12.76	14.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	12.85	12.89	12.84	14.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	12.87	12.87	12.89	14.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	12.89	12.85	12.89	14.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	12.84	12.84	12.77	14.0	0.0
Channel				647332	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	12.85	12.76	12.80	14.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	12.84	12.83	12.85	14.0	0.0

Part27O n78_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.79		14.0	0.0
100	PI/2 BPSK	1	137		12.78			
100	PI/2 BPSK	1	271		12.75			
100	PI/2 BPSK	135	0		12.90		14.0	0.0
100	PI/2 BPSK	135	69		12.83		14.0	0.0
100	PI/2 BPSK	135	138		12.72		14.0	0.0
100	PI/2 BPSK	270	0		12.83			
100	QPSK	1	1		12.91		14.0	0.0
100	QPSK	1	137		12.79			
100	QPSK	1	271		12.90			
100	QPSK	135	0		12.80		14.0	0.0
100	QPSK	135	69		12.81			
100	QPSK	135	138		12.64			
100	QPSK	270	0		12.71		14.0	0.0
100	16QAM	1	1		12.64		14.0	0.0
100	64QAM	1	1		12.70		14.0	0.0
100	256QAM	1	1		12.79		14.0	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	12.79	12.84	12.89	14.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	12.89	12.80	12.76	14.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	12.85	12.89	12.84	14.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	12.87	12.87	12.89	14.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	12.89	12.85	12.89	14.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	12.84	12.84	12.77	14.0	0.0
Channel				647332	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	12.85	12.76	12.80	14.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	12.84	12.83	12.85	14.0	0.0

Part27O n78_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		15.19		16.5	0.0
100	PI/2 BPSK	1	137		15.36			
100	PI/2 BPSK	1	271		15.38			
100	PI/2 BPSK	135	0		15.14		16.5	0.0
100	PI/2 BPSK	135	69		15.36		16.5	0.0
100	PI/2 BPSK	135	138		15.40		16.5	0.0
100	PI/2 BPSK	270	0		15.10			
100	QPSK	1	1		15.44		16.5	0.0
100	QPSK	1	137		15.41			
100	QPSK	1	271		15.06			
100	QPSK	135	0		15.36		16.5	0.0
100	QPSK	135	69		15.43			
100	QPSK	135	138		15.16			
100	QPSK	270	0		15.41		16.5	0.0
100	16QAM	1	1		15.09		16.5	0.0
100	64QAM	1	1		15.43		16.5	0.0
100	256QAM	1	1		15.40		16.5	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	15.36	15.34	15.34	16.5	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	15.38	15.36	15.37	16.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.35	15.36	15.35	16.5	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	15.37	15.42	15.42	16.5	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	15.29	15.32	15.40	16.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.31	15.40	15.30	16.5	0.0
Channel				647332	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	15.37	15.36	15.29	16.5	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	15.32	15.31	15.37	16.5	0.0

Part27O n78_HPUE_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		15.19		16.5	0.0
100	PI/2 BPSK	1	137		15.36			
100	PI/2 BPSK	1	271		15.38			
100	PI/2 BPSK	135	0		15.14		16.5	0.0
100	PI/2 BPSK	135	69		15.36		16.5	0.0
100	PI/2 BPSK	135	138		15.40		16.5	0.0
100	PI/2 BPSK	270	0		15.10			
100	QPSK	1	1		15.44		16.5	0.0
100	QPSK	1	137		15.41			
100	QPSK	1	271		15.06			
100	QPSK	135	0		15.36		16.5	0.0
100	QPSK	135	69		15.43			
100	QPSK	135	138		15.16			
100	QPSK	270	0		15.41		16.5	0.0
100	16QAM	1	1		15.09		16.5	0.0
100	64QAM	1	1		15.43		16.5	0.0
100	256QAM	1	1		15.40		16.5	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	15.36	15.34	15.34	16.5	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	15.38	15.36	15.37	16.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.35	15.36	15.35	16.5	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	15.37	15.42	15.42	16.5	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	15.29	15.32	15.40	16.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.31	15.40	15.30	16.5	0.0
Channel				647332	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	15.37	15.36	15.29	16.5	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	15.32	15.31	15.37	16.5	0.0

Part27O n78_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		10.49		12.0	0.0
100	PI/2 BPSK	1	137		10.38			
100	PI/2 BPSK	1	271		10.29			
100	PI/2 BPSK	135	0		10.46		12.0	0.0
100	PI/2 BPSK	135	69		10.36		12.0	0.0
100	PI/2 BPSK	135	138		10.35		12.0	0.0
100	PI/2 BPSK	270	0		10.46			
100	QPSK	1	1		10.50		12.0	0.0
100	QPSK	1	137		10.31			
100	QPSK	1	271		10.43			
100	QPSK	135	0		10.36		12.0	0.0
100	QPSK	135	69		10.45			
100	QPSK	135	138		10.28			
100	QPSK	270	0		10.49		12.0	0.0
100	16QAM	1	1		10.46		12.0	0.0
100	64QAM	1	1		10.39		12.0	0.0
100	256QAM	1	1		10.30		12.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	10.40	10.45	10.46	12.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	10.48	10.39	10.40	12.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3760		
70	QPSK	1	1	10.40	10.41	10.40	12.0	0.0
Channel				649668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3732.12	3750	3767.88		
60	QPSK	1	1	10.42	10.38	10.48	12.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	10.37	10.48	10.42	12.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	10.41	10.43	10.40	12.0	0.0
Channel				647332	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	10.37	10.43	10.38	12.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	10.39	10.49	10.44	12.0	0.0

Part27O n78_HPUE_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		10.49		12.0	0.0
100	PI/2 BPSK	1	137		10.38			
100	PI/2 BPSK	1	271		10.29			
100	PI/2 BPSK	135	0		10.46		12.0	0.0
100	PI/2 BPSK	135	69		10.36		12.0	0.0
100	PI/2 BPSK	135	138		10.35		12.0	0.0
100	PI/2 BPSK	270	0		10.46			
100	QPSK	1	1		10.50		12.0	0.0
100	QPSK	1	137		10.31			
100	QPSK	1	271		10.43			
100	QPSK	135	0		10.36		12.0	0.0
100	QPSK	135	69		10.45			
100	QPSK	135	138		10.28			
100	QPSK	270	0		10.49		12.0	0.0
100	16QAM	1	1		10.46		12.0	0.0
100	64QAM	1	1		10.39		12.0	0.0
100	256QAM	1	1		10.30		12.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	10.40	10.45	10.46	12.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	10.48	10.39	10.40	12.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	10.40	10.41	10.40	12.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3732.12	3750	3767.88		
60	QPSK	1	1	10.42	10.38	10.48	12.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	10.37	10.48	10.42	12.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	10.41	10.43	10.40	12.0	0.0
Channel				647332	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	10.37	10.43	10.38	12.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	10.39	10.49	10.44	12.0	0.0

Part27O n78_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		14.05		15.0	0.0
100	PI/2 BPSK	1	137		14.11			
100	PI/2 BPSK	1	271		14.10			
100	PI/2 BPSK	135	0		14.02		15.0	0.0
100	PI/2 BPSK	135	69		14.13		15.0	0.0
100	PI/2 BPSK	135	138		13.98		15.0	0.0
100	PI/2 BPSK	270	0		13.91			
100	QPSK	1	1		14.15		15.0	0.0
100	QPSK	1	137		13.99			
100	QPSK	1	271		13.96			
100	QPSK	135	0		14.09		15.0	0.0
100	QPSK	135	69		14.12			
100	QPSK	135	138		14.01			
100	QPSK	270	0		14.10		15.0	0.0
100	16QAM	1	1		14.00		15.0	0.0
100	64QAM	1	1		14.10		15.0	0.0
100	256QAM	1	1		14.08		15.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	14.11	14.03	14.04	15.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	14.13	14.00	14.09	15.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3760		
70	QPSK	1	1	14.11	14.05	14.00	15.0	0.0
Channel				649668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3732.12	3750	3767.88		
60	QPSK	1	1	14.05	14.02	14.12	15.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	14.05	14.06	14.03	15.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.07	14.13	14.01	15.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	14.04	14.12	14.06	15.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	14.00	14.10	14.12	15.0	0.0

Part27O n78_HPUE_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		14.05		15.0	0.0
100	PI/2 BPSK	1	137		14.11			
100	PI/2 BPSK	1	271		14.10			
100	PI/2 BPSK	135	0		14.02		15.0	0.0
100	PI/2 BPSK	135	69		14.13		15.0	0.0
100	PI/2 BPSK	135	138		13.98		15.0	0.0
100	PI/2 BPSK	270	0		13.91			
100	QPSK	1	1		14.15		15.0	0.0
100	QPSK	1	137		13.99			
100	QPSK	1	271		13.96			
100	QPSK	135	0		14.09		15.0	0.0
100	QPSK	135	69		14.12			
100	QPSK	135	138		14.01			
100	QPSK	270	0		14.10		15.0	0.0
100	16QAM	1	1		14.00		15.0	0.0
100	64QAM	1	1		14.10		15.0	0.0
100	256QAM	1	1		14.08		15.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	14.11	14.03	14.04	15.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	14.13	14.00	14.09	15.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3760		
70	QPSK	1	1	14.11	14.05	14.00	15.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3732.12	3750	3767.88		
60	QPSK	1	1	14.05	14.02	14.12	15.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	14.05	14.06	14.03	15.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.07	14.13	14.01	15.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	14.04	14.12	14.06	15.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	14.00	14.10	14.12	15.0	0.0

Reduced Power for DSI 6

Part27O n77_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.12	18.27	18.17		
100	PI/2 BPSK	1	137	18.12	18.22	18.15	20.0	0.0
100	PI/2 BPSK	1	271	18.08	18.16	18.21		
100	PI/2 BPSK	135	0	18.14	18.25	18.24	20.0	0.0
100	PI/2 BPSK	135	69	18.18	18.16	18.16	20.0	0.0
100	PI/2 BPSK	135	138	18.08	18.27	18.19	20.0	0.0
100	PI/2 BPSK	270	0	18.10	18.27	18.17		
100	QPSK	1	1	18.21	18.32	18.23		
100	QPSK	1	137	18.16	18.20	18.10	20.0	0.0
100	QPSK	1	271	18.15	18.27	18.18		
100	QPSK	135	0	18.25	18.20	18.09		
100	QPSK	135	69	18.09	18.27	18.18	20.0	0.0
100	QPSK	135	138	18.19	18.26	18.19		
100	QPSK	270	0	18.17	18.22	18.14	20.0	0.0
100	16QAM	1	1	18.21	18.22	18.25	20.0	0.0
100	64QAM	1	1	18.18	18.17	18.12	20.0	0.0
100	256QAM	1	1	18.05	18.23	18.11	20.0	0.0
Channel				649665	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	18.19	18.19	18.26	20.0	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	18.17	18.27	18.15	20.0	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	18.21	18.19	18.26	20.0	0.0
Channel				649998	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	18.21	18.19	18.21	20.0	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	18.19	18.27	18.16	20.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	18.14	18.30	18.23	20.0	0.0
Channel				647998	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.06	3964.98	(dBm)	(dB)
30	QPSK	1	1	18.14	18.19	18.26	20.0	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	18.17	18.29	18.19	20.0	0.0

Part27O n77_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.12	18.27	18.17		
100	PI/2 BPSK	1	137	18.12	18.22	18.15	20.0	0.0
100	PI/2 BPSK	1	271	18.08	18.16	18.21		
100	PI/2 BPSK	135	0	18.14	18.25	18.24	20.0	0.0
100	PI/2 BPSK	135	69	18.18	18.16	18.16	20.0	0.0
100	PI/2 BPSK	135	138	18.08	18.27	18.19	20.0	0.0
100	PI/2 BPSK	270	0	18.10	18.27	18.17		
100	QPSK	1	1	18.21	18.32	18.23		
100	QPSK	1	137	18.16	18.20	18.10	20.0	0.0
100	QPSK	1	271	18.15	18.27	18.18		
100	QPSK	135	0	18.25	18.20	18.09		
100	QPSK	135	69	18.09	18.27	18.18	20.0	0.0
100	QPSK	135	138	18.19	18.26	18.19		
100	QPSK	270	0	18.17	18.22	18.14	20.0	0.0
100	16QAM	1	1	18.21	18.22	18.25	20.0	0.0
100	64QAM	1	1	18.18	18.17	18.12	20.0	0.0
100	256QAM	1	1	18.05	18.23	18.11	20.0	0.0
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	18.19	18.19	18.26	20.0	0.0
Channel				649332	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	18.17	18.27	18.15	20.0	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	18.21	18.19	18.26	20.0	0.0
Channel				649998	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	18.21	18.19	18.21	20.0	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	18.19	18.27	18.16	20.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	18.14	18.30	18.23	20.0	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.06	3964.98	(dBm)	(dB)
30	QPSK	1	1	18.14	18.19	18.26	20.0	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	18.17	18.29	18.19	20.0	0.0

Part27O n77_Ant 1(SRS)

BW [MHz]	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	17.29	17.29	17.25		
100	PI/2 BPSK	1	137	17.12	17.27	17.26	18.5	0.0
100	PI/2 BPSK	1	271	17.17	17.25	17.11		
100	PI/2 BPSK	135	0	17.14	17.29	17.23	18.5	0.0
100	PI/2 BPSK	135	69	17.26	17.29	17.23	18.5	0.0
100	PI/2 BPSK	135	138	17.20	17.24	17.21	18.5	0.0
100	PI/2 BPSK	270	0	17.14	17.26	17.20		
100	QPSK	1	1	17.32	17.35	17.34		
100	QPSK	1	137	17.21	17.33	17.24	18.5	0.0
100	QPSK	1	271	17.15	17.29	17.26		
100	QPSK	135	0	17.22	17.25	17.23		
100	QPSK	135	69	17.17	17.31	17.26	18.5	0.0
100	QPSK	135	138	17.15	17.29	17.27		
100	QPSK	270	0	17.23	17.26	17.22	18.5	0.0
100	16QAM	1	1	17.09	17.13	17.12	18.5	0.0
100	64QAM	1	1	17.27	17.30	17.23	18.5	0.0
100	256QAM	1	1	15.43	15.53	15.44	17.0	1.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	17.20	17.24	17.18	18.5	0.0
Channel				649332	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	17.15	17.21	17.16	18.5	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.28	17.28	17.26	18.5	0.0
Channel				649998	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	17.25	17.29	17.32	18.5	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	17.25	17.32	17.32	18.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.33	17.32	17.31	18.5	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.06	3964.98	(dBm)	(dB)
30	QPSK	1	1	17.19	17.29	17.28	18.5	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	17.20	17.26	17.23	18.5	0.0

Part27O n77_HPUE_Ant 1(SRS)

BW [MHz]	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	20.30	20.30	20.15		
100	PI/2 BPSK	1	137	20.23	20.25	20.19	21.5	0.0
100	PI/2 BPSK	1	271	20.17	20.23	20.13		
100	PI/2 BPSK	135	0	20.34	20.35	20.35	21.0	0.5
100	PI/2 BPSK	135	69	20.19	20.30	20.17	21.5	0.0
100	PI/2 BPSK	135	138	20.19	20.27	20.14	21.0	0.5
100	PI/2 BPSK	270	0	20.14	20.24	20.10		
100	QPSK	1	1	20.28	20.37	20.32		
100	QPSK	1	137	20.17	20.30	20.16	21.5	0.0
100	QPSK	1	271	20.22	20.32	20.23		
100	QPSK	135	0	20.21	20.34	20.32		
100	QPSK	135	69	20.30	20.35	20.24	21.5	0.0
100	QPSK	135	138	20.06	20.16	20.01		
100	QPSK	270	0	20.14	20.26	20.15	20.5	1.0
100	16QAM	1	1	18.59	18.61	18.52	20.5	1.0
100	64QAM	1	1	17.64	17.79	17.79	19.0	2.5
100	256QAM	1	1	15.42	15.54	15.48	17.0	4.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	20.31	20.35	20.28	21.5	0.0
Channel				649332	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	20.16	20.26	20.23	21.5	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.32	20.33	20.24	21.5	0.0
Channel				649998	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	20.29	20.25	20.27	21.5	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	20.28	20.31	20.34	21.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.25	20.29	20.28	21.5	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.06	3964.98	(dBm)	(dB)
30	QPSK	1	1	20.29	20.29	20.31	21.5	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	20.32	20.29	20.31	21.5	0.0

Part27O n77_Ant 2(SRS)

BW [MHz]	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	17.18	17.30	17.18		
100	PI/2 BPSK	1	137	17.17	17.25	17.23	18.5	0.0
100	PI/2 BPSK	1	271	17.21	17.27	17.16		
100	PI/2 BPSK	135	0	17.16	17.31	17.16	18.5	0.0
100	PI/2 BPSK	135	69	17.12	17.23	17.17	18.5	0.0
100	PI/2 BPSK	135	138	17.23	17.27	17.16	18.5	0.0
100	PI/2 BPSK	270	0	17.09	17.24	17.12		
100	QPSK	1	1	17.33	17.37	17.26		
100	QPSK	1	137	17.20	17.28	17.13	18.5	0.0
100	QPSK	1	271	17.28	17.35	17.22		
100	QPSK	135	0	17.13	17.26	17.14		
100	QPSK	135	69	17.14	17.29	17.28	18.5	0.0
100	QPSK	135	138	17.07	17.21	17.09		
100	QPSK	270	0	17.22	17.23	17.13	18.5	0.0
100	16QAM	1	1	17.12	17.25	17.14	18.5	0.0
100	64QAM	1	1	17.19	17.24	17.21	18.5	0.0
100	256QAM	1	1	16.07	16.13	16.08	17.0	1.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	17.25	17.30	17.29	18.5	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	17.21	17.21	17.18	18.5	0.0
Channel				649332	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.19	17.23	17.26	18.5	0.0
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	17.21	17.29	17.21	18.5	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	17.29	17.34	17.32	18.5	0.0
Channel				649000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.21	17.29	17.25	18.5	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	17.36	17.32	17.25	18.5	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	17.32	17.29	17.20	18.5	0.0

Part27O n77_HPUE_Ant 2(SRS)

BW [MHz]	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	17.16	17.30	17.16		
100	PI/2 BPSK	1	137	17.17	17.25	17.23	18.5	0.0
100	PI/2 BPSK	1	271	17.21	17.27	17.16		
100	PI/2 BPSK	135	0	17.16	17.31	17.16	18.5	0.0
100	PI/2 BPSK	135	69	17.12	17.23	17.17	18.5	0.0
100	PI/2 BPSK	135	138	17.23	17.27	17.16	18.5	0.0
100	PI/2 BPSK	270	0	17.09	17.24	17.12		
100	QPSK	1	1	17.33	17.37	17.26		
100	QPSK	1	137	17.20	17.28	17.13	18.5	0.0
100	QPSK	1	271	17.28	17.35	17.22		
100	QPSK	135	0	17.13	17.26	17.14		
100	QPSK	135	69	17.14	17.29	17.28	18.5	0.0
100	QPSK	135	138	17.07	17.21	17.09		
100	QPSK	270	0	17.22	17.23	17.13	18.5	0.0
100	16QAM	1	1	17.12	17.25	17.14	18.5	0.0
100	64QAM	1	1	17.19	17.24	17.21	18.5	0.0
100	256QAM	1	1	16.07	16.13	16.08	17.0	1.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	17.25	17.30	17.29	18.5	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	17.21	17.21	17.18	18.5	0.0
Channel				649332	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.19	17.23	17.26	18.5	0.0
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	17.21	17.29	17.21	18.5	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	17.29	17.34	17.32	18.5	0.0
Channel				649000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.21	17.29	17.25	18.5	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	17.36	17.32	17.25	18.5	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	17.32	17.29	17.20	18.5	0.0

Part27O n77_Ant 8(SRS)

BW [MHz]	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	20.21	20.17	20.13		
100	PI/2 BPSK	1	137	19.95	20.24	20.09	22.0	0.0
100	PI/2 BPSK	1	271	20.12	20.23	20.22		
100	PI/2 BPSK	135	0	20.11	20.26	20.20	22.0	0.0
100	PI/2 BPSK	135	69	19.96	20.20	20.17	22.0	0.0
100	PI/2 BPSK	135	138	20.06	20.23	20.19	22.0	0.0
100	PI/2 BPSK	270	0	20.13	20.19	20.19		
100	QPSK	1	1	19.96	20.29	20.08		
100	QPSK	1	137	20.09	20.23	20.19	22.0	0.0
100	QPSK	1	271	20.19	20.25	20.13		
100	QPSK	135	0	19.97	20.11	20.05		
100	QPSK	135	69	20.13	20.27	20.26	22.0	0.0
100	QPSK	135	138	20.10	20.14	20.17		
100	QPSK	270	0	20.09	20.17	20.04	22.0	0.0
100	16QAM	1	1	20.11	20.27	20.11	22.0	0.0
100	64QAM	1	1	20.07	20.16	20.08	22.0	0.0
100	256QAM	1	1	19.63	19.72	19.76	21.5	0.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	20.21	20.21	20.20	22.0	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	20.20	20.28	20.12	22.0	0.0
Channel				649332	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.16	20.16	20.09	22.0	0.0
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	20.19	20.25	20.13	22.0	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	20.18	20.27	20.20	22.0	0.0
Channel				649000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.09	20.22	20.20	22.0	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	20.21	20.22	20.13	22.0	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	20.13	20.26	20.11	22.0	0.0

Part27O n77_HPUE_Ant 8(SRS)

BW [MHz]	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	20.21	20.17	20.13		
100	PI/2 BPSK	1	137	19.95	20.24	20.09	22.0	0.0
100	PI/2 BPSK	1	271	20.12	20.23	20.22		
100	PI/2 BPSK	135	0	20.11	20.26	20.20	22.0	0.0
100	PI/2 BPSK	135	69	19.96	20.20	20.17	22.0	0.0
100	PI/2 BPSK	135	138	20.06	20.23	20.19	22.0	0.0
100	PI/2 BPSK	270	0	20.13	20.19	20.19		
100	QPSK	1	1	19.96	20.29	20.08		
100	QPSK	1	137	20.09	20.23	20.19	22.0	0.0
100	QPSK	1	271	20.19	20.25	20.13		
100	QPSK	135	0	19.97	20.11	20.05		
100	QPSK	135	69	20.13	20.27	20.26	22.0	0.0
100	QPSK	135	138	20.10	20.14	20.17		
100	QPSK	270	0	20.09	20.17	20.04	22.0	0.0
100	16QAM	1	1	20.11	20.27	20.11	22.0	0.0
100	64QAM	1	1	20.07	20.16	20.08	22.0	0.0
100	256QAM	1	1	19.63	19.72	19.76	21.5	0.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	20.21	20.21	20.20	22.0	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3739.98	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	20.20	20.28	20.12	22.0	0.0
Channel				649332	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.16	20.16	20.09	22.0	0.0
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	20.19	20.25	20.13	22.0	0.0
Channel				649332	656000	662665	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	20.18	20.27	20.20	22.0	0.0
Channel				649000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.09	20.22	20.20	22.0	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	20.21	20.22	20.13	22.0	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	20.13	20.26	20.11	22.0	0.0

Part27O n78_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.87			
100	PI/2 BPSK	1	137		18.85		20.0	0.0
100	PI/2 BPSK	1	271		18.77			
100	PI/2 BPSK	135	0		18.85		20.0	0.0
100	PI/2 BPSK	135	69		18.78		20.0	0.0
100	PI/2 BPSK	135	138		18.84		20.0	0.0
100	PI/2 BPSK	270	0		18.80			
100	QPSK	1	1		18.88			
100	QPSK	1	137		18.85		20.0	0.0
100	QPSK	1	271		18.81			
100	QPSK	135	0		18.76			
100	QPSK	135	69		18.85		20.0	0.0
100	QPSK	135	138		18.80			
100	QPSK	270	0		18.85		20.0	0.0
100	16QAM	1	1		18.83		20.0	0.0
100	64QAM	1	1		18.79		20.0	0.0
100	256QAM	1	1		18.84		20.0	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	18.74	18.74	18.79	20.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	18.76	18.77	18.86	20.0	0.0
Channel				648332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.77	18.80	18.81	20.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	18.80	18.81	18.87	20.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	18.78	18.87	18.75	20.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.76	18.77	18.81	20.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	18.87	18.87	18.73	20.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	18.85	18.76	18.87	20.0	0.0

Part27O n78_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.87			
100	PI/2 BPSK	1	137		18.85		20.0	0.0
100	PI/2 BPSK	1	271		18.77			
100	PI/2 BPSK	135	0		18.85		20.0	0.0
100	PI/2 BPSK	135	69		18.78		20.0	0.0
100	PI/2 BPSK	135	138		18.84		20.0	0.0
100	PI/2 BPSK	270	0		18.80			
100	QPSK	1	1		18.88			
100	QPSK	1	137		18.85		20.0	0.0
100	QPSK	1	271		18.81			
100	QPSK	135	0		18.76			
100	QPSK	135	69		18.85		20.0	0.0
100	QPSK	135	138		18.80			
100	QPSK	270	0		18.85		20.0	0.0
100	16QAM	1	1		18.83		20.0	0.0
100	64QAM	1	1		18.79		20.0	0.0
100	256QAM	1	1		18.84		20.0	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	18.74	18.74	18.79	20.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	18.76	18.77	18.86	20.0	0.0
Channel				648332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.77	18.80	18.81	20.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	18.80	18.81	18.87	20.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	18.78	18.87	18.75	20.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.76	18.77	18.81	20.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	18.87	18.87	18.73	20.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	18.85	18.76	18.87	20.0	0.0

Part27O n78_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.00			
100	PI/2 BPSK	1	137		18.99		20.0	0.0
100	PI/2 BPSK	1	271		18.93			
100	PI/2 BPSK	135	0		18.90		20.0	0.0
100	PI/2 BPSK	135	69		18.95		20.0	0.0
100	PI/2 BPSK	135	138		18.89		20.0	0.0
100	PI/2 BPSK	270	0		18.96			
100	QPSK	1	1		19.07			
100	QPSK	1	137		18.92		20.0	0.0
100	QPSK	1	271		19.02			
100	QPSK	135	0		18.85			
100	QPSK	135	69		18.97		20.0	0.0
100	QPSK	135	138		18.85			
100	QPSK	270	0		18.88		20.0	0.0
100	16QAM	1	1		18.63		20.0	0.0
100	64QAM	1	1		18.65		20.0	0.0
100	256QAM	1	1		17.73		18.5	1.5
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	18.95	18.96	18.87	20.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	18.93	18.91	18.94	20.0	0.0
Channel				648332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.03	19.05	18.99	20.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	18.96	18.98	18.94	20.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	18.83	18.91	18.92	20.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.04	19.01	18.97	20.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	18.90	18.93	18.92	20.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	18.99	19.04	19.04	20.0	0.0

Part27O n78_HPUE_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.70			
100	PI/2 BPSK	1	137		22.01		23.0	0.0
100	PI/2 BPSK	1	271		22.01			
100	PI/2 BPSK	135	0		21.90		22.5	0.5
100	PI/2 BPSK	135	69		21.85		23.0	0.0
100	PI/2 BPSK	135	138		21.89		22.5	0.5
100	PI/2 BPSK	270	0		21.95			
100	QPSK	1	1		22.00			
100	QPSK	1	137		21.97		23.0	0.0
100	QPSK	1	271		22.00			
100	QPSK	135	0		21.89			
100	QPSK	135	69		21.86		23.0	0.0
100	QPSK	135	138		21.81			
100	QPSK	270	0		21.79		22.0	1.0
100	16QAM	1	1		21.14		22.0	1.0
100	64QAM	1	1		19.55		20.5	2.5
100	256QAM	1	1		17.86		18.5	4.5
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	21.73	21.74	21.74	23.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	21.77	21.75	21.78	23.0	0.0
Channel				648332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.62	21.63	21.60	23.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	21.79	21.75	21.77	23.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	21.61	21.66	21.67	23.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.76	21.74	21.74	23.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	21.76	21.71	21.71	23.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	21.54	21.64	21.57	23.0	0.0

Part27O n78_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		16.68		18.5	0.0
100	PI/2 BPSK	1	137		16.92			
100	PI/2 BPSK	1	271		16.90			
100	PI/2 BPSK	135	0		16.67		18.5	0.0
100	PI/2 BPSK	135	69		16.96		18.5	0.0
100	PI/2 BPSK	135	138		16.62		18.5	0.0
100	PI/2 BPSK	270	0		16.95			
100	QPSK	1	1		16.99		18.5	0.0
100	QPSK	1	137		16.81			
100	QPSK	1	271		16.66			
100	QPSK	135	0		16.93		18.5	0.0
100	QPSK	135	69		16.97			
100	QPSK	135	138		16.63			
100	QPSK	270	0		16.91		18.5	0.0
100	16QAM	1	1		16.93		18.5	0.0
100	64QAM	1	1		16.89		18.5	0.0
100	256QAM	1	1		16.87		18.5	0.0
Channel				646668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	16.80	16.69	16.67	18.5	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	16.83	16.66	16.60	18.5	0.0
Channel				646000	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.74	16.70	16.65	18.5	0.0
Channel				646668	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	16.75	16.57	16.67	18.5	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	16.82	16.70	16.61	18.5	0.0
Channel				646000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.73	16.68	16.65	18.5	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	16.81	16.64	16.56	18.5	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	16.76	16.67	16.67	18.5	0.0

Part27O n78_HPUE_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		16.68		18.5	0.0
100	PI/2 BPSK	1	137		16.92			
100	PI/2 BPSK	1	271		16.90			
100	PI/2 BPSK	135	0		16.67		18.5	0.0
100	PI/2 BPSK	135	69		16.96		18.5	0.0
100	PI/2 BPSK	135	138		16.62		18.5	0.0
100	PI/2 BPSK	270	0		16.95			
100	QPSK	1	1		16.99		18.5	0.0
100	QPSK	1	137		16.81			
100	QPSK	1	271		16.66			
100	QPSK	135	0		16.93		18.5	0.0
100	QPSK	135	69		16.97			
100	QPSK	135	138		16.63			
100	QPSK	270	0		16.91		18.5	0.0
100	16QAM	1	1		16.93		18.5	0.0
100	64QAM	1	1		16.89		18.5	0.0
100	256QAM	1	1		16.87		18.5	0.0
Channel				646668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	16.80	16.69	16.67	18.5	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	16.83	16.66	16.60	18.5	0.0
Channel				646000	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.74	16.70	16.65	18.5	0.0
Channel				646668	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	16.75	16.57	16.67	18.5	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	16.82	16.70	16.61	18.5	0.0
Channel				646000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.73	16.68	16.65	18.5	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	16.81	16.64	16.56	18.5	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	16.76	16.67	16.67	18.5	0.0

Part27O n78_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		20.91		22.0	0.0
100	PI/2 BPSK	1	137		21.13			
100	PI/2 BPSK	1	271		21.10			
100	PI/2 BPSK	135	0		20.88		22.0	0.0
100	PI/2 BPSK	135	69		21.17		22.0	0.0
100	PI/2 BPSK	135	138		21.10		22.0	0.0
100	PI/2 BPSK	270	0		20.94			
100	QPSK	1	1		21.20		22.0	0.0
100	QPSK	1	137		21.01			
100	QPSK	1	271		21.03			
100	QPSK	135	0		21.08		22.0	0.0
100	QPSK	135	69		21.15			
100	QPSK	135	138		21.01			
100	QPSK	270	0		21.20		22.0	0.0
100	16QAM	1	1		20.91		22.0	0.0
100	64QAM	1	1		21.08		22.0	0.0
100	256QAM	1	1		20.50		21.5	0.5
Channel				646668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	21.16	21.08	21.17	22.0	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	21.18	21.15	21.18	22.0	0.0
Channel				646000	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.10	21.11	21.15	22.0	0.0
Channel				646668	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	21.15	21.12	21.08	22.0	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	21.12	21.19	21.08	22.0	0.0
Channel				646000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.16	21.13	21.10	22.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	21.10	21.11	21.11	22.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	21.12	21.09	21.15	22.0	0.0

Part27O n78_HPUE_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		20.91		22.0	0.0
100	PI/2 BPSK	1	137		21.13			
100	PI/2 BPSK	1	271		21.10			
100	PI/2 BPSK	135	0		20.88		22.0	0.0
100	PI/2 BPSK	135	69		21.17		22.0	0.0
100	PI/2 BPSK	135	138		21.10		22.0	0.0
100	PI/2 BPSK	270	0		20.94			
100	QPSK	1	1		21.20		22.0	0.0
100	QPSK	1	137		21.01			
100	QPSK	1	271		21.03			
100	QPSK	135	0		21.08		22.0	0.0
100	QPSK	135	69		21.15			
100	QPSK	135	138		21.01			
100	QPSK	270	0		21.20		22.0	0.0
100	16QAM	1	1		20.91		22.0	0.0
100	64QAM	1	1		21.08		22.0	0.0
100	256QAM	1	1		20.50		21.5	0.5
Channel				646668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	21.16	21.08	21.17	22.0	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	21.18	21.15	21.18	22.0	0.0
Channel				646000	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.10	21.11	21.15	22.0	0.0
Channel				646668	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	21.15	21.12	21.08	22.0	0.0
Channel				646334	650000	653666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	21.12	21.19	21.08	22.0	0.0
Channel				646000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.16	21.13	21.10	22.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	21.10	21.11	21.11	22.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	21.12	21.09	21.15	22.0	0.0

Reduced Power for DSI 7

Part27O n77_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	11.18	11.20	11.21	13.0	0.0
100	PI/2 BPSK	1	137	11.13	11.26	11.16		
100	PI/2 BPSK	1	271	11.04	11.17	11.15		
100	PI/2 BPSK	135	0	11.19	11.21	11.22	13.0	0.0
100	PI/2 BPSK	135	69	11.21	11.26	11.16	13.0	0.0
100	PI/2 BPSK	135	138	11.11	11.18	11.16	13.0	0.0
100	PI/2 BPSK	270	0	11.10	11.24	11.19		
100	QPSK	1	1	11.23	11.32	11.16	13.0	0.0
100	QPSK	1	137	11.11	11.28	11.14		
100	QPSK	1	271	11.10	11.27	11.23		
100	QPSK	135	0	11.23	11.19	11.19	13.0	0.0
100	QPSK	135	69	11.18	11.28	11.20		
100	QPSK	135	138	11.20	11.20	11.18		
100	QPSK	270	0	11.14	11.24	11.18	13.0	0.0
100	16QAM	1	1	11.12	11.26	11.24	13.0	0.0
100	64QAM	1	1	11.14	11.13	11.12	13.0	0.0
100	256QAM	1	1	11.14	11.17	11.22	13.0	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	11.17	11.11	11.11	13.0	0.0
Channel				648332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3950.00	(dBm)	(dB)
80	QPSK	1	1	11.16	11.14	11.09	13.0	0.0
Channel				648000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	QPSK	1	1	11.21	11.18	11.03	13.0	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	11.14	11.25	11.05	13.0	0.0
Channel				648332	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	11.13	11.19	11.14	13.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	11.14	11.20	11.14	13.0	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	11.20	11.20	11.14	13.0	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	11.15	11.22	11.15	13.0	0.0

Part27O n77_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	11.18	11.20	11.21	13.0	0.0
100	PI/2 BPSK	1	137	11.13	11.26	11.16		
100	PI/2 BPSK	1	271	11.04	11.17	11.15		
100	PI/2 BPSK	135	0	11.19	11.21	11.22	13.0	0.0
100	PI/2 BPSK	135	69	11.21	11.26	11.16	13.0	0.0
100	PI/2 BPSK	135	138	11.11	11.18	11.16	13.0	0.0
100	PI/2 BPSK	270	0	11.10	11.24	11.19		
100	QPSK	1	1	11.23	11.33	11.16	13.0	0.0
100	QPSK	1	137	11.11	11.28	11.14		
100	QPSK	1	271	11.10	11.27	11.23		
100	QPSK	135	0	11.23	11.19	11.19	13.0	0.0
100	QPSK	135	69	11.18	11.28	11.20		
100	QPSK	135	138	11.20	11.20	11.18		
100	QPSK	270	0	11.14	11.24	11.18	13.0	0.0
100	16QAM	1	1	11.12	11.26	11.24	13.0	0.0
100	64QAM	1	1	11.14	11.13	11.12	13.0	0.0
100	256QAM	1	1	11.14	11.17	11.22	13.0	0.0
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	11.17	11.11	11.11	13.0	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.99	(dBm)	(dB)
80	QPSK	1	1	11.16	11.14	11.09	13.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	QPSK	1	1	11.21	11.18	11.03	13.0	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	11.14	11.25	11.05	13.0	0.0
Channel				648332	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	11.13	11.19	11.14	13.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	11.14	11.20	11.14	13.0	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	11.20	11.20	11.14	13.0	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	11.15	11.22	11.15	13.0	0.0

Part27O n77_Ant 1(SRS)

BW [MHz]	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	17.29	17.29	17.25	18.5	0.0
100	PI/2 BPSK	1	137	17.12	17.27	17.26		
100	PI/2 BPSK	1	271	17.17	17.25	17.11		
100	PI/2 BPSK	135	0	17.14	17.29	17.23	18.5	0.0
100	PI/2 BPSK	135	69	17.26	17.29	17.23	18.5	0.0
100	PI/2 BPSK	135	138	17.20	17.24	17.21	18.5	0.0
100	PI/2 BPSK	270	0	17.14	17.26	17.20		
100	QPSK	1	1	17.32	17.35	17.34	18.5	0.0
100	QPSK	1	137	17.21	17.33	17.24		
100	QPSK	1	271	17.15	17.29	17.26		
100	QPSK	135	0	17.22	17.25	17.23	18.5	0.0
100	QPSK	135	69	17.17	17.31	17.26		
100	QPSK	135	138	17.15	17.29	17.27		
100	QPSK	270	0	17.23	17.26	17.22	18.5	0.0
100	16QAM	1	1	17.09	17.13	17.12	18.5	0.0
100	64QAM	1	1	17.27	17.30	17.23	18.5	0.0
100	256QAM	1	1	15.43	15.53	15.44	17.0	1.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	17.20	17.24	17.18	18.5	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3950.00	(dBm)	(dB)
80	QPSK	1	1	17.15	17.21	17.19	18.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.28	17.26	17.26	18.5	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	17.25	17.29	17.32	18.5	0.0
Channel				648332	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	17.25	17.32	17.32	18.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.33	17.32	17.31	18.5	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	17.19	17.29	17.28	18.5	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	17.20	17.26	17.23	18.5	0.0

Part27O n77_HPUE_Ant 1(SRS)

BW [MHz]	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	18.38	18.38	18.24	19.5	0.0
100	PI/2 BPSK	1	137	18.38	18.43	18.28		
100	PI/2 BPSK	1	271	18.29	18.42	18.22		
100	PI/2 BPSK	135	0	18.41	18.39	18.34	19.5	0.0
100	PI/2 BPSK	135	69	18.28	18.40	18.27	19.5	0.0
100	PI/2 BPSK	135	138	18.25	18.38	18.22		
100	PI/2 BPSK	270	0	18.41	18.43	18.30		
100	QPSK	1	1	18.33	18.49	18.23	19.5	0.0
100	QPSK	1	137	18.29	18.40	18.27		
100	QPSK	1	271	18.48	18.37	18.27		
100	QPSK	135	0	18.29	18.36	18.25	19.5	0.0
100	QPSK	135	69	18.22	18.42	18.32		
100	QPSK	135	138	18.41	18.36	18.28		
100	QPSK	270	0	18.40	18.38	18.26	19.5	0.0
100	16QAM	1	1	18.45	18.47	18.21	19.5	0.0
100	64QAM	1	1	17.90	17.94	17.83	19.0	0.5
100	256QAM	1	1	15.83	15.83	15.70	17.0	2.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	18.18	18.32	18.12	19.5	0.0
Channel				649332	656000	662998	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3950.00	(dBm)	(dB)
80	QPSK	1	1	18.28	18.40	18.16	19.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	QPSK	1	1	18.29	18.35	18.15	19.5	0.0
Channel				648666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	18.28	18.36	18.20	19.5	0.0
Channel				648332	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	18.19	18.40	18.16	19.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	18.28	18.39	18.11	19.5	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	18.32	18.38	18.18	19.5	0.0
Channel				647332	656000	664665	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	18.23	18.40	18.19	19.5	0.0

Part27O n77_Ant 2(SRS)

BW [MHz]	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	3940	3930		
100	PI/2 BPSK	1	1	10.75	10.81	10.73	12.0	0.0
100	PI/2 BPSK	1	137	10.61	10.70	10.69		
100	PI/2 BPSK	1	271	10.70	10.71	10.56		
100	PI/2 BPSK	135	0	10.62	10.87	10.72	12.0	0.0
100	PI/2 BPSK	135	69	10.65	10.78	10.71	12.0	0.0
100	PI/2 BPSK	135	138	10.64	10.79	10.67	12.0	0.0
100	PI/2 BPSK	270	0	10.64	10.76	10.69		
100	QPSK	1	1	10.72	10.89	10.59	12.0	0.0
100	QPSK	1	137	10.62	10.79	10.56		
100	QPSK	1	271	10.75	10.75	10.66		
100	QPSK	135	0	10.71	10.76	10.69	12.0	0.0
100	QPSK	135	69	10.61	10.65	10.54		
100	QPSK	135	138	10.71	10.80	10.77		
100	QPSK	270	0	10.67	10.65	10.69	12.0	0.0
100	16QAM	1	1	10.71	10.79	10.71	12.0	0.0
100	64QAM	1	1	10.67	10.69	10.69	12.0	0.0
100	256QAM	1	1	10.57	10.75	10.56	12.0	0.0
Channel				649666	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3940	3934.98		
90	QPSK	1	1	10.71	10.68	10.54	12.0	0.0
Channel				649332	656000	662665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3739.98	3940	3930.99		
80	QPSK	1	1	10.59	10.74	10.56	12.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	10.66	10.70	10.44	12.0	0.0
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.99	3940	3949.98		
60	QPSK	1	1	10.59	10.71	10.50	12.0	0.0
Channel				648332	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724.98	3940	3954.99		
50	QPSK	1	1	10.60	10.74	10.57	12.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3940	3960		
40	QPSK	1	1	10.71	10.74	10.56	12.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3940.00	3964.98		
30	QPSK	1	1	10.70	10.70	10.50	12.0	0.0
Channel				647332	656000	664665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3940	3969.99		
20	QPSK	1	1	10.67	10.80	10.53	12.0	0.0

Part27O n77_HPUE_Ant 2(SRS)

BW [MHz]	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	3940	3930		
100	PI/2 BPSK	1	1	10.75	10.81	10.73	12.0	0.0
100	PI/2 BPSK	1	137	10.61	10.70	10.69		
100	PI/2 BPSK	1	271	10.70	10.71	10.56		
100	PI/2 BPSK	135	0	10.62	10.87	10.72	12.0	0.0
100	PI/2 BPSK	135	69	10.65	10.78	10.71	12.0	0.0
100	PI/2 BPSK	135	138	10.64	10.79	10.67	12.0	0.0
100	PI/2 BPSK	270	0	10.64	10.76	10.69		
100	QPSK	1	1	10.72	10.89	10.59	12.0	0.0
100	QPSK	1	137	10.62	10.79	10.56		
100	QPSK	1	271	10.75	10.75	10.66		
100	QPSK	135	0	10.71	10.76	10.69	12.0	0.0
100	QPSK	135	69	10.61	10.65	10.54		
100	QPSK	135	138	10.71	10.80	10.77		
100	QPSK	270	0	10.67	10.65	10.69	12.0	0.0
100	16QAM	1	1	10.71	10.79	10.71	12.0	0.0
100	64QAM	1	1	10.67	10.69	10.69	12.0	0.0
100	256QAM	1	1	10.57	10.75	10.56	12.0	0.0
Channel				649666	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3940	3934.98		
90	QPSK	1	1	10.71	10.68	10.54	12.0	0.0
Channel				649332	656000	662665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3739.98	3940	3930.99		
80	QPSK	1	1	10.59	10.74	10.56	12.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	10.66	10.70	10.44	12.0	0.0
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.99	3940	3949.98		
60	QPSK	1	1	10.59	10.71	10.50	12.0	0.0
Channel				648332	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724.98	3940	3954.99		
50	QPSK	1	1	10.60	10.74	10.57	12.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3940	3960		
40	QPSK	1	1	10.71	10.74	10.56	12.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3940.00	3964.98		
30	QPSK	1	1	10.70	10.70	10.50	12.0	0.0
Channel				647332	656000	664665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3940	3969.99		
20	QPSK	1	1	10.67	10.80	10.53	12.0	0.0

Part27O n77_Ant 8(SRS)

BW [MHz]	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	3940	3930		
100	PI/2 BPSK	1	1	12.82	12.81	12.78	14.5	0.0
100	PI/2 BPSK	1	137	12.56	12.79	12.73		
100	PI/2 BPSK	1	271	12.67	12.82	12.83		
100	PI/2 BPSK	135	0	12.61	12.77	12.68	14.5	0.0
100	PI/2 BPSK	135	69	12.69	12.72	12.73	14.5	0.0
100	PI/2 BPSK	135	138	12.62	12.75	12.82	14.5	0.0
100	PI/2 BPSK	270	0	12.75	12.79	12.75		
100	QPSK	1	1	12.55	12.84	12.74	14.5	0.0
100	QPSK	1	137	12.62	12.73	12.74		
100	QPSK	1	271	12.77	12.83	12.68		
100	QPSK	135	0	12.61	12.70	12.77	14.5	0.0
100	QPSK	135	69	12.68	12.83	12.73		
100	QPSK	135	138	12.71	12.75	12.82		
100	QPSK	270	0	12.55	12.76	12.75	14.5	0.0
100	16QAM	1	1	12.72	12.78	12.79	14.5	0.0
100	64QAM	1	1	12.65	12.82	12.67	14.5	0.0
100	256QAM	1	1	12.72	12.79	12.67	14.5	0.0
Channel				649666	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3940	3934.98		
90	QPSK	1	1	12.36	12.65	12.62	14.5	0.0
Channel				649332	656000	662665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3739.98	3940	3930.99		
80	QPSK	1	1	12.37	12.65	12.63	14.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	12.40	12.59	12.56	14.5	0.0
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.99	3940	3949.98		
60	QPSK	1	1	12.38	12.60	12.57	14.5	0.0
Channel				648332	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724.98	3940	3954.99		
50	QPSK	1	1	12.44	12.64	12.53	14.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3940	3960		
40	QPSK	1	1	12.40	12.64	12.54	14.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3940.00	3964.98		
30	QPSK	1	1	12.37	12.55	12.62	14.5	0.0
Channel				647332	656000	664665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3940	3969.99		
20	QPSK	1	1	12.38	12.65	12.55	14.5	0.0

Part27O n77_HPUE_Ant 8(SRS)

BW [MHz]	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	3940	3930		
100	PI/2 BPSK	1	1	12.82	12.81	12.78	14.5	0.0
100	PI/2 BPSK	1	137	12.56	12.79	12.73		
100	PI/2 BPSK	1	271	12.67	12.82	12.83		
100	PI/2 BPSK	135	0	12.61	12.77	12.68	14.5	0.0
100	PI/2 BPSK	135	69	12.69	12.72	12.73	14.5	0.0
100	PI/2 BPSK	135	138	12.62	12.75	12.82	14.5	0.0
100	PI/2 BPSK	270	0	12.75	12.79	12.75		
100	QPSK	1	1	12.65	12.84	12.74	14.5	0.0
100	QPSK	1	137	12.62	12.73	12.74		
100	QPSK	1	271	12.77	12.83	12.68		
100	QPSK	135	0	12.61	12.70	12.77	14.5	0.0
100	QPSK	135	69	12.68	12.83	12.73		
100	QPSK	135	138	12.71	12.75	12.82		
100	QPSK	270	0	12.55	12.76	12.75	14.5	0.0
100	16QAM	1	1	12.72	12.78	12.79	14.5	0.0
100	64QAM	1	1	12.65	12.82	12.67	14.5	0.0
100	256QAM	1	1	12.72	12.79	12.67	14.5	0.0
Channel				649666	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.99	3940	3934.98		
90	QPSK	1	1	12.36	12.65	12.62	14.5	0.0
Channel				649332	656000	662665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3739.98	3940	3930.99		
80	QPSK	1	1	12.37	12.65	12.63	14.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	12.40	12.59	12.56	14.5	0.0
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.99	3940	3949.98		
60	QPSK	1	1	12.38	12.60	12.57	14.5	0.0
Channel				648332	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724.98	3940	3954.99		
50	QPSK	1	1	12.44	12.64	12.53	14.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3940	3960		
40	QPSK	1	1	12.40	12.64	12.54	14.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.99	3940.00	3964.98		
30	QPSK	1	1	12.37	12.55	12.62	14.5	0.0
Channel				647332	656000	664665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3709.98	3940	3969.99		
20	QPSK	1	1	12.38	12.65	12.55	14.5	0.0

Part27O n78_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		11.78		13.0	0.0
100	PI/2 BPSK	1	137		11.85			
100	PI/2 BPSK	1	271		11.90			
100	PI/2 BPSK	135	0		11.85		13.0	0.0
100	PI/2 BPSK	135	69		11.85		13.0	0.0
100	PI/2 BPSK	135	138		11.84		13.0	0.0
100	PI/2 BPSK	270	0		11.88			
100	QPSK	1	1		11.91		13.0	0.0
100	QPSK	1	137		11.83			
100	QPSK	1	271		11.79			
100	QPSK	135	0		11.84		13.0	0.0
100	QPSK	135	69		11.90			
100	QPSK	135	138		11.88			
100	QPSK	270	0		11.82		13.0	0.0
100	16QAM	1	1		11.81		13.0	0.0
100	64QAM	1	1		11.75		13.0	0.0
100	256QAM	1	1		11.83		13.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	11.69	11.63	11.63	13.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.61	3750	3758.39		
80	QPSK	1	1	11.64	11.57	11.62	13.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	11.74	11.64	11.52	13.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3779.98		
60	QPSK	1	1	11.67	11.62	11.56	13.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	11.71	11.61	11.62	13.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	11.72	11.57	11.58	13.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	11.67	11.57	11.53	13.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	11.77	11.55	11.51	13.0	0.0

Part27O n78_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		11.78		13.0	0.0
100	PI/2 BPSK	1	137		11.85			
100	PI/2 BPSK	1	271		11.90			
100	PI/2 BPSK	135	0		11.85		13.0	0.0
100	PI/2 BPSK	135	69		11.85		13.0	0.0
100	PI/2 BPSK	135	138		11.84		13.0	0.0
100	PI/2 BPSK	270	0		11.88			
100	QPSK	1	1		11.91		13.0	0.0
100	QPSK	1	137		11.83			
100	QPSK	1	271		11.79			
100	QPSK	135	0		11.84		13.0	0.0
100	QPSK	135	69		11.90			
100	QPSK	135	138		11.88			
100	QPSK	270	0		11.82		13.0	0.0
100	16QAM	1	1		11.81		13.0	0.0
100	64QAM	1	1		11.75		13.0	0.0
100	256QAM	1	1		11.83		13.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	11.69	11.63	11.63	13.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.61	3750	3758.39		
80	QPSK	1	1	11.64	11.57	11.62	13.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	11.74	11.64	11.52	13.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3779.98		
60	QPSK	1	1	11.67	11.62	11.56	13.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	11.71	11.61	11.62	13.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	11.72	11.57	11.58	13.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	11.67	11.57	11.53	13.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	11.77	11.55	11.51	13.0	0.0

Part27O n78_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.08		19.5	0.0
100	PI/2 BPSK	1	137		18.42			
100	PI/2 BPSK	1	271		18.37			
100	PI/2 BPSK	135	0		18.14		19.5	0.0
100	PI/2 BPSK	135	69		18.40		19.5	0.0
100	PI/2 BPSK	135	138		18.37		19.5	0.0
100	PI/2 BPSK	270	0		18.07			
100	QPSK	1	1		18.48		19.5	0.0
100	QPSK	1	137		18.41			
100	QPSK	1	271		18.15			
100	QPSK	135	0		18.40		19.5	0.0
100	QPSK	135	69		18.43			
100	QPSK	135	138		18.06			
100	QPSK	270	0		18.42		19.5	0.0
100	16QAM	1	1		18.18		19.5	0.0
100	64QAM	1	1		18.40		19.5	0.0
100	256QAM	1	1		17.43		18.5	1.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	18.03	17.90	18.00	19.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.61	3750	3758.39		
80	QPSK	1	1	18.12	17.98	17.93	19.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.00	17.96	17.97	19.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3779.98		
60	QPSK	1	1	18.00	17.99	17.91	19.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	18.08	17.99	17.94	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.12	17.91	17.92	19.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	18.11	17.96	17.88	19.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	18.08	18.00	17.92	19.5	0.0

Part27O n78_HPUE_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.08		19.5	0.0
100	PI/2 BPSK	1	137		18.42			
100	PI/2 BPSK	1	271		18.37			
100	PI/2 BPSK	135	0		18.14		19.5	0.0
100	PI/2 BPSK	135	69		18.40		19.5	0.0
100	PI/2 BPSK	135	138		18.37		19.5	0.0
100	PI/2 BPSK	270	0		18.07			
100	QPSK	1	1		18.48		19.5	0.0
100	QPSK	1	137		18.41			
100	QPSK	1	271		18.15			
100	QPSK	135	0		18.40		19.5	0.0
100	QPSK	135	69		18.43			
100	QPSK	135	138		18.06			
100	QPSK	270	0		18.42		19.5	0.0
100	16QAM	1	1		18.18		19.5	0.0
100	64QAM	1	1		18.40		19.5	0.0
100	256QAM	1	1		17.43		18.5	1.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	18.03	17.90	18.00	19.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.61	3750	3758.39		
80	QPSK	1	1	18.12	17.98	17.93	19.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.00	17.96	17.97	19.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3779.98		
60	QPSK	1	1	18.00	17.99	17.91	19.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	18.08	17.99	17.94	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.12	17.91	17.92	19.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	18.11	17.96	17.88	19.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	18.08	18.00	17.92	19.5	0.0

Part27O n78_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		10.35		12.0	0.0
100	PI/2 BPSK	1	137		10.45			
100	PI/2 BPSK	1	271		10.29			
100	PI/2 BPSK	135	0		10.46		12.0	0.0
100	PI/2 BPSK	135	69		10.42		12.0	0.0
100	PI/2 BPSK	135	138		10.35		12.0	0.0
100	PI/2 BPSK	270	0		10.48			
100	QPSK	1	1		10.51		12.0	0.0
100	QPSK	1	137		10.35			
100	QPSK	1	271		10.37			
100	QPSK	135	0		10.40		12.0	0.0
100	QPSK	135	69		10.43			
100	QPSK	135	138		10.42			
100	QPSK	270	0		10.41		12.0	0.0
100	16QAM	1	1		10.43		12.0	0.0
100	64QAM	1	1		10.37		12.0	0.0
100	256QAM	1	1		10.29		12.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	10.48	10.36	10.35	12.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	10.37	10.33	10.32	12.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	QPSK	1	1	10.42	10.41	10.30	12.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3750	3795.98		
60	QPSK	1	1	10.51	10.45	10.42	12.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	10.50	10.35	10.32	12.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	10.48	10.40	10.29	12.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	10.48	10.34	10.31	12.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	10.43	10.45	10.36	12.0	0.0

Part27O n78_HPUE_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		10.35		12.0	0.0
100	PI/2 BPSK	1	137		10.45			
100	PI/2 BPSK	1	271		10.29			
100	PI/2 BPSK	135	0		10.46		12.0	0.0
100	PI/2 BPSK	135	69		10.42		12.0	0.0
100	PI/2 BPSK	135	138		10.35		12.0	0.0
100	PI/2 BPSK	270	0		10.48			
100	QPSK	1	1		10.51		12.0	0.0
100	QPSK	1	137		10.35			
100	QPSK	1	271		10.37			
100	QPSK	135	0		10.40		12.0	0.0
100	QPSK	135	69		10.43			
100	QPSK	135	138		10.42			
100	QPSK	270	0		10.41		12.0	0.0
100	16QAM	1	1		10.43		12.0	0.0
100	64QAM	1	1		10.37		12.0	0.0
100	256QAM	1	1		10.29		12.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	10.48	10.36	10.35	12.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	10.37	10.33	10.32	12.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	QPSK	1	1	10.42	10.41	10.30	12.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3750	3795.98		
60	QPSK	1	1	10.51	10.45	10.42	12.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	10.50	10.35	10.32	12.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	10.48	10.40	10.29	12.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	10.48	10.34	10.31	12.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	10.43	10.45	10.36	12.0	0.0

Part27O n78_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.50		14.5	0.0
100	PI/2 BPSK	1	137		13.57			
100	PI/2 BPSK	1	271		13.50			
100	PI/2 BPSK	135	0		13.44		14.5	0.0
100	PI/2 BPSK	135	69		13.54		14.5	0.0
100	PI/2 BPSK	135	138		13.47		14.5	0.0
100	PI/2 BPSK	270	0		13.45			
100	QPSK	1	1		13.62		14.5	0.0
100	QPSK	1	137		13.60			
100	QPSK	1	271		13.43			
100	QPSK	135	0		13.47		14.5	0.0
100	QPSK	135	69		13.57			
100	QPSK	135	138		13.53			
100	QPSK	270	0		13.59		14.5	0.0
100	16QAM	1	1		13.52		14.5	0.0
100	64QAM	1	1		13.60		14.5	0.0
100	256QAM	1	1		13.57		14.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	13.43	13.30	13.29	14.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	13.41	13.30	13.34	14.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	QPSK	1	1	13.48	13.27	13.35	14.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3750	3795.98		
60	QPSK	1	1	13.45	13.34	13.38	14.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	13.51	13.35	13.38	14.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.50	13.24	13.37	14.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	13.49	13.26	13.29	14.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	13.47	13.36	13.39	14.5	0.0

Part27O n78_HPUE_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.50		14.5	0.0
100	PI/2 BPSK	1	137		13.57			
100	PI/2 BPSK	1	271		13.50			
100	PI/2 BPSK	135	0		13.44		14.5	0.0
100	PI/2 BPSK	135	69		13.54		14.5	0.0
100	PI/2 BPSK	135	138		13.47		14.5	0.0
100	PI/2 BPSK	270	0		13.45			
100	QPSK	1	1		13.62		14.5	0.0
100	QPSK	1	137		13.60			
100	QPSK	1	271		13.43			
100	QPSK	135	0		13.47		14.5	0.0
100	QPSK	135	69		13.57			
100	QPSK	135	138		13.53			
100	QPSK	270	0		13.59		14.5	0.0
100	16QAM	1	1		13.52		14.5	0.0
100	64QAM	1	1		13.60		14.5	0.0
100	256QAM	1	1		13.57		14.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	13.43	13.30	13.29	14.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	13.41	13.30	13.34	14.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	QPSK	1	1	13.48	13.27	13.35	14.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3750	3795.98		
60	QPSK	1	1	13.45	13.34	13.38	14.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	13.51	13.35	13.38	14.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.50	13.24	13.37	14.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	13.49	13.26	13.29	14.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	13.47	13.36	13.39	14.5	0.0

Reduced Power for DSI 4

Part27O n77_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.82	22.89	22.79	24.0	0.0
100	PI/2 BPSK	1	137	22.82	22.84	22.69		
100	PI/2 BPSK	1	271	22.83	22.86	22.71		
100	PI/2 BPSK	135	0	22.60	22.71	22.69	24.0	0.0
100	PI/2 BPSK	135	69	22.69	22.80	22.72	24.0	0.0
100	PI/2 BPSK	135	138	22.72	22.79	22.79	24.0	0.0
100	PI/2 BPSK	270	0	22.72	22.72	22.69		
100	QPSK	1	1	22.93	22.98	22.92	24.0	0.0
100	QPSK	1	137	22.73	22.83	22.68		
100	QPSK	1	271	22.79	22.88	22.76		
100	QPSK	135	0	22.58	22.58	22.44	24.0	0.0
100	QPSK	135	69	22.62	22.74	22.63		
100	QPSK	135	138	22.62	22.70	22.61		
100	QPSK	270	0	22.59	22.70	22.70	24.0	0.0
100	16QAM	1	1	22.59	22.65	22.51	24.0	0.0
100	64QAM	1	1	22.25	22.32	22.19	24.0	0.0
100	256QAM	1	1	20.76	20.87	20.82	22.5	1.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	22.56	22.71	22.64	24.0	0.0
Channel				646332	656000	665668	Tune-up limit	MPR
Frequency (MHz)				3729.98	3840	3950.02	(dBm)	(dB)
80	QPSK	1	1	22.66	22.74	22.63	24.0	0.0
Channel				646000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	QPSK	1	1	22.63	22.70	22.57	24.0	0.0
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	22.79	22.93	22.84	24.0	0.0
Channel				646332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	22.80	22.92	22.91	24.0	0.0
Channel				646000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.79	22.85	22.78	24.0	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	22.81	22.88	22.79	24.0	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	22.84	22.95	22.85	24.0	0.0

Part27O n77_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	25.24	25.34	25.28	27.0	0.0
100	PI/2 BPSK	1	137	25.26	25.28	25.24		
100	PI/2 BPSK	1	271	25.19	25.30	25.24		
100	PI/2 BPSK	135	0	24.44	24.52	24.47	26.5	0.5
100	PI/2 BPSK	135	69	25.35	25.33	25.23	27.0	0.0
100	PI/2 BPSK	135	138	24.50	24.58	24.48	26.5	0.5
100	PI/2 BPSK	270	0	24.51	24.55	24.52		
100	QPSK	1	1	25.35	25.38	25.34	27.0	0.0
100	QPSK	1	137	25.29	25.33	25.30		
100	QPSK	1	271	25.07	25.10	24.99		
100	QPSK	135	0	23.78	23.85	23.65	27.0	0.0
100	QPSK	135	69	25.25	25.25	25.12		
100	QPSK	135	138	23.83	23.97	23.92		
100	QPSK	270	0	24.30	24.34	24.19	26.0	1.0
100	16QAM	1	1	24.21	24.25	24.22	26.0	1.0
100	64QAM	1	1	22.25	22.32	22.19	24.5	2.5
100	256QAM	1	1	20.76	20.87	20.82	22.5	4.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	25.18	25.30	25.31	27.0	0.0
Channel				646332	656000	665668	Tune-up limit	MPR
Frequency (MHz)				3729.98	3840	3950.02	(dBm)	(dB)
80	QPSK	1	1	25.29	25.29	25.16	27.0	0.0
Channel				646000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	QPSK	1	1	25.10	25.11	25.29	27.0	0.0
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	25.22	25.23	25.19	27.0	0.0
Channel				646332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	25.21	25.25	25.26	27.0	0.0
Channel				646000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	25.19	25.30	25.28	27.0	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	25.25	25.14	25.16	27.0	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	25.17	25.27	25.19	27.0	0.0

Part27O n77_Ant 1(SRS)

BW [MHz]	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	17.29	17.29	17.25	18.5	0.0
100	PI/2 BPSK	1	137	17.12	17.27	17.26		
100	PI/2 BPSK	1	271	17.17	17.25	17.11		
100	PI/2 BPSK	135	0	17.14	17.29	17.23	18.5	0.0
100	PI/2 BPSK	135	69	17.26	17.29	17.23	18.5	0.0
100	PI/2 BPSK	135	138	17.20	17.24	17.21	18.5	0.0
100	PI/2 BPSK	270	0	17.14	17.26	17.20		
100	QPSK	1	1	17.32	17.35	17.34	18.5	0.0
100	QPSK	1	137	17.21	17.33	17.24		
100	QPSK	1	271	17.15	17.29	17.26		
100	QPSK	135	0	17.22	17.25	17.23	18.5	0.0
100	QPSK	135	69	17.17	17.31	17.26		
100	QPSK	135	138	17.15	17.29	17.27		
100	QPSK	270	0	17.23	17.26	17.22	18.5	0.0
100	16QAM	1	1	17.09	17.13	17.12	18.5	0.0
100	64QAM	1	1	17.27	17.30	17.23	18.5	0.0
100	256QAM	1	1	15.43	15.53	15.44	17.0	1.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	17.22	17.24	17.18	18.5	0.0
Channel				646332	656000	665668	Tune-up limit	MPR
Frequency (MHz)				3729.98	3840	3950.02	(dBm)	(dB)
80	QPSK	1	1	17.15	17.21	17.16	18.5	0.0
Channel				646000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.28	17.28	17.26	18.5	0.0
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	17.25	17.29	17.32	18.5	0.0
Channel				646332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	17.25	17.32	17.32	18.5	0.0
Channel				646000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.33	17.32	17.31	18.5	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	17.19	17.29	17.28	18.5	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	17.20	17.26	17.23	18.5	0.0

Part27O n77_HPUE_Ant 1(SRS)

BW [MHz]	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	20.30	20.30	20.15	21.5	0.0
100	PI/2 BPSK	1	137	20.23	20.25	20.18		
100	PI/2 BPSK	1	271	20.17	20.25	20.13		
100	PI/2 BPSK	135	0	20.34	20.35	20.35	21.0	0.5
100	PI/2 BPSK	135	69	20.19	20.30	20.17	21.5	0.0
100	PI/2 BPSK	135	138	20.19	20.27	20.14	21.0	0.5
100	PI/2 BPSK	270	0	20.14	20.24	20.10		
100	QPSK	1	1	20.28	20.37	20.32	21.5	0.0
100	QPSK	1	137	20.17	20.30	20.16		
100	QPSK	1	271	20.22	20.32	20.23		
100	QPSK	135	0	20.21	20.34	20.32	21.5	0.0
100	QPSK	135	69	20.30	20.35	20.24		
100	QPSK	135	138	20.08	20.16	20.01		
100	QPSK	270	0	20.14	20.26	20.15	20.5	1.0
100	16QAM	1	1	18.59	18.61	18.52	20.5	1.0
100	64QAM	1	1	17.64	17.79	17.79	19.0	2.5
100	256QAM	1	1	15.42	15.54	15.48	17.0	4.5
Channel				649666	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	20.31	20.35	20.28	21.5	0.0
Channel				646332	656000	665668	Tune-up limit	MPR
Frequency (MHz)				3729.98	3840	3950.02	(dBm)	(dB)
80	QPSK	1	1	20.16	20.26	20.23	21.5	0.0
Channel				646000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.32	20.33	20.24	21.5	0.0
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	20.29	20.25	20.27	21.5	0.0
Channel				646332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3724.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	20.28	20.31	20.34	21.5	0.0
Channel				646000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.25	20.29	20.28	21.5	0.0
Channel				647666	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	20.29	20.29	20.31	21.5	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	20.32	20.29	20.31	21.5	0.0

Part27O n77_Ant 2(SRS)

BW [MHz]	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	3840	3930		
100	PI/2 BPSK	1	1	17.18	17.30	17.18		
100	PI/2 BPSK	1	137	17.17	17.25	17.23	18.5	0.0
100	PI/2 BPSK	1	271	17.21	17.27	17.18		
100	PI/2 BPSK	135	0	17.16	17.31	17.18	18.5	0.0
100	PI/2 BPSK	135	69	17.12	17.23	17.17	18.5	0.0
100	PI/2 BPSK	135	138	17.23	17.27	17.16	18.5	0.0
100	PI/2 BPSK	270	0	17.09	17.24	17.12		
100	QPSK	1	1	17.33	17.37	17.26		
100	QPSK	1	137	17.20	17.28	17.13	18.5	0.0
100	QPSK	1	271	17.28	17.35	17.22		
100	QPSK	135	0	17.13	17.26	17.14		
100	QPSK	135	69	17.14	17.29	17.26	18.5	0.0
100	QPSK	135	138	17.07	17.21	17.09		
100	QPSK	270	0	17.22	17.23	17.13	18.5	0.0
100	16QAM	1	1	17.12	17.25	17.14	18.5	0.0
100	64QAM	1	1	17.19	17.24	17.21	18.5	0.0
100	256QAM	1	1	16.07	16.13	16.08	17.0	1.5
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	17.25	17.30	17.29	18.5	0.0
Channel				646332	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3930.99	(dBm)	(dB)
80	QPSK	1	1	17.21	17.21	17.18	18.5	0.0
Channel				646000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3715	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.19	17.23	17.26	18.5	0.0
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	17.21	17.29	17.21	18.5	0.0
Channel				646332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3714.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	17.29	17.34	17.32	18.5	0.0
Channel				646000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.21	17.29	17.25	18.5	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	17.36	17.32	17.25	18.5	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	17.32	17.29	17.20	18.5	0.0

Part27O n77_HPUE_Ant 2(SRS)

BW [MHz]	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	3840	3930		
100	PI/2 BPSK	1	1	17.18	17.30	17.18		
100	PI/2 BPSK	1	137	17.17	17.25	17.23	18.5	0.0
100	PI/2 BPSK	1	271	17.21	17.27	17.18		
100	PI/2 BPSK	135	0	17.16	17.31	17.18	18.5	0.0
100	PI/2 BPSK	135	69	17.12	17.23	17.17	18.5	0.0
100	PI/2 BPSK	135	138	17.23	17.27	17.16	18.5	0.0
100	PI/2 BPSK	270	0	17.09	17.24	17.12		
100	QPSK	1	1	17.33	17.37	17.26		
100	QPSK	1	137	17.20	17.28	17.13	18.5	0.0
100	QPSK	1	271	17.28	17.35	17.22		
100	QPSK	135	0	17.13	17.26	17.14		
100	QPSK	135	69	17.14	17.29	17.26	18.5	0.0
100	QPSK	135	138	17.07	17.21	17.09		
100	QPSK	270	0	17.22	17.23	17.13	18.5	0.0
100	16QAM	1	1	17.12	17.25	17.14	18.5	0.0
100	64QAM	1	1	17.19	17.24	17.21	18.5	0.0
100	256QAM	1	1	16.07	16.13	16.08	17.0	1.5
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	17.25	17.30	17.29	18.5	0.0
Channel				646332	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3930.99	(dBm)	(dB)
80	QPSK	1	1	17.21	17.21	17.18	18.5	0.0
Channel				646000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3715	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.19	17.23	17.26	18.5	0.0
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	17.21	17.29	17.21	18.5	0.0
Channel				646332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3714.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	17.29	17.34	17.32	18.5	0.0
Channel				646000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.21	17.29	17.25	18.5	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	17.36	17.32	17.25	18.5	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	17.32	17.29	17.20	18.5	0.0

Part27O n77_Ant 8(SRS)

BW [MHz]	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	3840	3930		
100	PI/2 BPSK	1	1	20.31	20.27	20.23		
100	PI/2 BPSK	1	137	20.05	20.34	20.19	22.0	0.0
100	PI/2 BPSK	1	271	20.22	20.33	20.32		
100	PI/2 BPSK	135	0	20.21	20.36	20.30	22.0	0.0
100	PI/2 BPSK	135	69	20.06	20.30	20.27	22.0	0.0
100	PI/2 BPSK	135	138	20.16	20.33	20.29	22.0	0.0
100	PI/2 BPSK	270	0	20.23	20.29	20.28		
100	QPSK	1	1	20.05	20.39	20.18		
100	QPSK	1	137	20.19	20.33	20.29	22.0	0.0
100	QPSK	1	271	20.29	20.35	20.23		
100	QPSK	135	0	20.07	20.21	20.15		
100	QPSK	135	69	20.23	20.37	20.36	22.0	0.0
100	QPSK	135	138	20.20	20.24	20.27		
100	QPSK	270	0	20.19	20.27	20.14	22.0	0.0
100	16QAM	1	1	20.21	20.37	20.21	22.0	0.0
100	64QAM	1	1	20.17	20.26	20.18	22.0	0.0
100	256QAM	1	1	19.73	19.82	19.86	21.5	0.5
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	20.21	20.21	20.20	22.0	0.0
Channel				646332	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3930.99	(dBm)	(dB)
80	QPSK	1	1	20.20	20.28	20.12	22.0	0.0
Channel				646000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3715	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.16	20.16	20.09	22.0	0.0
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	20.19	20.25	20.13	22.0	0.0
Channel				646332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3714.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	20.18	20.27	20.20	22.0	0.0
Channel				646000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.09	20.22	20.20	22.0	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	20.21	20.22	20.13	22.0	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	20.13	20.26	20.11	22.0	0.0

Part27O n77_HPUE_Ant 8(SRS)

BW [MHz]	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	3840	3930		
100	PI/2 BPSK	1	1	20.31	20.27	20.23		
100	PI/2 BPSK	1	137	20.05	20.34	20.19	22.0	0.0
100	PI/2 BPSK	1	271	20.22	20.33	20.32		
100	PI/2 BPSK	135	0	20.21	20.36	20.30	22.0	0.0
100	PI/2 BPSK	135	69	20.06	20.30	20.27	22.0	0.0
100	PI/2 BPSK	135	138	20.16	20.33	20.29	22.0	0.0
100	PI/2 BPSK	270	0	20.23	20.29	20.28		
100	QPSK	1	1	20.05	20.39	20.18		
100	QPSK	1	137	20.19	20.33	20.29	22.0	0.0
100	QPSK	1	271	20.29	20.35	20.23		
100	QPSK	135	0	20.07	20.21	20.15		
100	QPSK	135	69	20.23	20.37	20.36	22.0	0.0
100	QPSK	135	138	20.20	20.24	20.27		
100	QPSK	270	0	20.19	20.27	20.14	22.0	0.0
100	16QAM	1	1	20.21	20.37	20.21	22.0	0.0
100	64QAM	1	1	20.17	20.26	20.18	22.0	0.0
100	256QAM	1	1	19.73	19.82	19.86	21.5	0.5
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3744.99	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	20.21	20.21	20.20	22.0	0.0
Channel				646332	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3930.99	(dBm)	(dB)
80	QPSK	1	1	20.20	20.28	20.12	22.0	0.0
Channel				646000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3715	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.16	20.16	20.09	22.0	0.0
Channel				646666	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3729.99	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	20.19	20.25	20.13	22.0	0.0
Channel				646332	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3714.98	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	20.18	20.27	20.20	22.0	0.0
Channel				646000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.09	20.22	20.20	22.0	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3714.99	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	20.21	20.22	20.13	22.0	0.0
Channel				647332	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3709.98	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	20.13	20.26	20.11	22.0	0.0

Part27O n78_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		22.93		24.0	0.0
100	PI/2 BPSK	1	137		22.91			
100	PI/2 BPSK	1	271		22.87			
100	PI/2 BPSK	135	0		22.92		24.0	0.0
100	PI/2 BPSK	135	69		22.91		24.0	0.0
100	PI/2 BPSK	135	138		22.75		24.0	0.0
100	PI/2 BPSK	270	0		22.88			
100	QPSK	1	1		22.96		24.0	0.0
100	QPSK	1	137		22.92			
100	QPSK	1	271		22.94			
100	QPSK	135	0		22.88		24.0	0.0
100	QPSK	135	69		22.89			
100	QPSK	135	138		22.74			
100	QPSK	270	0		22.74		24.0	0.0
100	16QAM	1	1		22.78		24.0	0.0
100	64QAM	1	1		22.79		24.0	0.0
100	256QAM	1	1		21.12		22.5	1.5
Channel				646668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	22.70	22.78	22.79	24.0	0.0
Channel				646334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	22.82	22.91	22.75	24.0	0.0
Channel				646000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.88	22.86	22.62	24.0	0.0
Channel				646668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	22.80	22.72	22.69	24.0	0.0
Channel				646334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	22.71	22.79	22.69	24.0	0.0
Channel				646332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.76	22.81	22.70	24.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	22.79	22.83	22.70	24.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	22.72	22.89	22.74	24.0	0.0

Part27O n78_HPUE_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		25.93		27.0	0.0
100	PI/2 BPSK	1	137		25.88			
100	PI/2 BPSK	1	271		25.92			
100	PI/2 BPSK	135	0		25.12		26.5	0.5
100	PI/2 BPSK	135	69		25.95		27.0	0.0
100	PI/2 BPSK	135	138		25.02		26.5	0.5
100	PI/2 BPSK	270	0		25.11			
100	QPSK	1	1		25.98		27.0	0.0
100	QPSK	1	137		25.96			
100	QPSK	1	271		25.88			
100	QPSK	135	0		24.58		27.0	0.0
100	QPSK	135	69		25.77			
100	QPSK	135	138		24.47			
100	QPSK	270	0		24.50		26.0	1.0
100	16QAM	1	1		24.60		26.0	1.0
100	64QAM	1	1		23.20		24.5	2.5
100	256QAM	1	1		21.10		22.5	4.5
Channel				646668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	25.74	25.79	25.64	27.0	0.0
Channel				646334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	25.76	25.80	25.72	27.0	0.0
Channel				646000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	25.82	25.81	25.67	27.0	0.0
Channel				646668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	25.65	25.64	25.65	27.0	0.0
Channel				646334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	25.74	25.77	25.70	27.0	0.0
Channel				646332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	25.78	25.79	25.80	27.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	25.80	25.79	25.70	27.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	25.78	25.75	25.81	27.0	0.0

Part27O n78_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.00		20.0	0.0
100	PI/2 BPSK	1	137		18.99			
100	PI/2 BPSK	1	271		18.93			
100	PI/2 BPSK	135	0		18.90		20.0	0.0
100	PI/2 BPSK	135	69		18.95		20.0	0.0
100	PI/2 BPSK	135	138		18.89		20.0	0.0
100	PI/2 BPSK	270	0		18.96			
100	QPSK	1	1		19.07		20.0	0.0
100	QPSK	1	137		18.92			
100	QPSK	1	271		19.02			
100	QPSK	135	0		18.86		20.0	0.0
100	QPSK	135	69		18.97			
100	QPSK	135	138		18.85			
100	QPSK	270	0		18.88		20.0	0.0
100	16QAM	1	1		18.63		20.0	0.0
100	64QAM	1	1		18.65		20.0	0.0
100	256QAM	1	1		17.73		18.5	1.5
Channel				646668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	18.85	18.96	18.87	20.0	0.0
Channel				646334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	18.93	18.91	18.94	20.0	0.0
Channel				646000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.03	19.05	18.99	20.0	0.0
Channel				646668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	18.96	18.98	18.94	20.0	0.0
Channel				646334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	18.83	18.91	18.92	20.0	0.0
Channel				646332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.04	19.01	18.97	20.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	18.90	18.93	18.92	20.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	19.09	19.04	19.04	20.0	0.0

Part27O n78_HPUE_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.70		23.0	0.0
100	PI/2 BPSK	1	137		22.01			
100	PI/2 BPSK	1	271		22.01			
100	PI/2 BPSK	135	0		21.90		22.5	0.5
100	PI/2 BPSK	135	69		21.86		23.0	0.0
100	PI/2 BPSK	135	138		21.89		22.5	0.5
100	PI/2 BPSK	270	0		21.85			
100	QPSK	1	1		22.06		23.0	0.0
100	QPSK	1	137		21.97			
100	QPSK	1	271		22.00			
100	QPSK	135	0		21.59		23.0	0.0
100	QPSK	135	69		21.80			
100	QPSK	135	138		21.82			
100	QPSK	270	0		21.70		22.0	1.0
100	16QAM	1	1		21.14		22.0	1.0
100	64QAM	1	1		19.55		20.5	2.5
100	256QAM	1	1		17.86		18.5	4.5
Channel				646668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	21.73	21.74	21.74	23.0	0.0
Channel				646334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	21.77	21.75	21.78	23.0	0.0
Channel				646000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.82	21.83	21.80	23.0	0.0
Channel				646668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	21.79	21.75	21.77	23.0	0.0
Channel				646334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	21.61	21.66	21.67	23.0	0.0
Channel				646332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.76	21.74	21.74	23.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	21.76	21.71	21.73	23.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	21.54	21.64	21.67	23.0	0.0

Part27O n78_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		16.68		18.5	0.0
100	PI/2 BPSK	1	137		16.62			
100	PI/2 BPSK	1	271		16.90			
100	PI/2 BPSK	135	0		16.67		18.5	0.0
100	PI/2 BPSK	135	69		16.96		18.5	0.0
100	PI/2 BPSK	135	138		16.82		18.5	0.0
100	PI/2 BPSK	270	0		16.95			
100	QPSK	1	1		16.99		18.5	0.0
100	QPSK	1	137		16.81			
100	QPSK	1	271		16.98			
100	QPSK	135	0		16.93		18.5	0.0
100	QPSK	135	69		16.97			
100	QPSK	135	138		16.93			
100	QPSK	270	0		16.91		18.5	0.0
100	16QAM	1	1		16.93		18.5	0.0
100	64QAM	1	1		16.89		18.5	0.0
100	256QAM	1	1		16.87		18.5	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	16.80	16.69	16.67	18.5	0.0
Channel				648334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	16.83	16.66	16.60	18.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.74	16.70	16.65	18.5	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	16.75	16.57	16.67	18.5	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	16.82	16.70	16.61	18.5	0.0
Channel				648332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.73	16.68	16.65	18.5	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	16.81	16.64	16.56	18.5	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	16.79	16.67	16.67	18.5	0.0

Part27O n78_HPUE_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		16.68		18.5	0.0
100	PI/2 BPSK	1	137		16.62			
100	PI/2 BPSK	1	271		16.90			
100	PI/2 BPSK	135	0		16.67		18.5	0.0
100	PI/2 BPSK	135	69		16.96		18.5	0.0
100	PI/2 BPSK	135	138		16.82		18.5	0.0
100	PI/2 BPSK	270	0		16.95			
100	QPSK	1	1		16.99		18.5	0.0
100	QPSK	1	137		16.81			
100	QPSK	1	271		16.98			
100	QPSK	135	0		16.93		18.5	0.0
100	QPSK	135	69		16.97			
100	QPSK	135	138		16.93			
100	QPSK	270	0		16.91		18.5	0.0
100	16QAM	1	1		16.93		18.5	0.0
100	64QAM	1	1		16.89		18.5	0.0
100	256QAM	1	1		16.87		18.5	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	16.80	16.69	16.67	18.5	0.0
Channel				648334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	16.83	16.66	16.60	18.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.74	16.70	16.65	18.5	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	16.75	16.57	16.67	18.5	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	16.82	16.70	16.61	18.5	0.0
Channel				648332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.73	16.68	16.65	18.5	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	16.81	16.64	16.56	18.5	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	16.79	16.67	16.67	18.5	0.0

Part27O n78_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		20.91		22.0	0.0
100	PI/2 BPSK	1	137		21.13			
100	PI/2 BPSK	1	271		21.10			
100	PI/2 BPSK	135	0		20.98		22.0	0.0
100	PI/2 BPSK	135	69		21.17		22.0	0.0
100	PI/2 BPSK	135	138		21.10		22.0	0.0
100	PI/2 BPSK	270	0		20.94			
100	QPSK	1	1		21.20		22.0	0.0
100	QPSK	1	137		21.01			
100	QPSK	1	271		21.03			
100	QPSK	135	0		21.08		22.0	0.0
100	QPSK	135	69		21.15			
100	QPSK	135	138		21.01			
100	QPSK	270	0		21.20		22.0	0.0
100	16QAM	1	1		20.91		22.0	0.0
100	64QAM	1	1		21.08		22.0	0.0
100	256QAM	1	1		20.50		21.5	0.5
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	21.16	21.08	21.17	22.0	0.0
Channel				648334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	21.18	21.15	21.18	22.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.10	21.11	21.15	22.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	21.15	21.12	21.08	22.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	21.12	21.19	21.09	22.0	0.0
Channel				648332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.16	21.13	21.15	22.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	21.10	21.11	21.11	22.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	21.12	21.09	21.15	22.0	0.0

Part27O n78_HPUE_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		20.91		22.0	0.0
100	PI/2 BPSK	1	137		21.13			
100	PI/2 BPSK	1	271		21.10			
100	PI/2 BPSK	135	0		20.98		22.0	0.0
100	PI/2 BPSK	135	69		21.17		22.0	0.0
100	PI/2 BPSK	135	138		21.10		22.0	0.0
100	PI/2 BPSK	270	0		20.94			
100	QPSK	1	1		21.20		22.0	0.0
100	QPSK	1	137		21.01			
100	QPSK	1	271		21.03			
100	QPSK	135	0		21.08		22.0	0.0
100	QPSK	135	69		21.15			
100	QPSK	135	138		21.01			
100	QPSK	270	0		21.20		22.0	0.0
100	16QAM	1	1		20.91		22.0	0.0
100	64QAM	1	1		21.08		22.0	0.0
100	256QAM	1	1		20.50		21.5	0.5
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	21.16	21.08	21.17	22.0	0.0
Channel				648334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	21.18	21.15	21.18	22.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.10	21.11	21.15	22.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	21.15	21.12	21.06	22.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	21.12	21.19	21.09	22.0	0.0
Channel				648332	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.16	21.13	21.15	22.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	21.10	21.11	21.11	22.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	21.12	21.09	21.15	22.0	0.0