

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300	20.6	0
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.81	20.03	19.76	20.6	0
20	QPSK	1	49	19.98	19.95	20.00		
20	QPSK	1	99	19.80	19.77	19.78		
20	QPSK	50	0	19.55	20.01	19.69	20.6	0
20	QPSK	50	24	19.78	19.76	19.87		
20	QPSK	50	50	19.77	19.66	19.87		
20	QPSK	100	0	19.56	19.95	19.40	20.6	0
20	16QAM	1	0	19.59	19.68	19.64		
20	16QAM	1	49	19.88	19.63	19.47		
20	16QAM	1	99	19.53	19.46	19.61	20.6	0
20	16QAM	50	0	19.70	19.50	19.62		
20	16QAM	50	24	19.40	19.46	19.44		
20	16QAM	50	50	19.56	19.68	19.74	20.6	0
20	16QAM	100	0	19.40	19.61	19.46		
20	64QAM	1	0	19.64	19.68	19.48		
20	64QAM	1	49	19.59	19.50	19.73	20.6	0
20	64QAM	1	99	19.56	19.53	19.59		
20	64QAM	50	0	19.72	19.97	19.71		
20	64QAM	50	24	19.94	19.89	19.94	20.6	0
20	64QAM	50	50	19.76	19.71	19.68		
20	64QAM	100	0	19.50	19.98	19.59		
20	256QAM	1	0	18.48	18.46	18.35	20	0.6
20	256QAM	1	49	18.66	18.43	18.54		
20	256QAM	1	99	18.45	18.44	18.27		
20	256QAM	50	0	18.49	18.52	18.31	20	0.6
20	256QAM	50	24	18.45	18.59	18.51		
20	256QAM	50	50	18.49	18.56	18.47		
20	256QAM	100	0	18.46	18.56	18.46	20.6	0
Channel				20025	20175	20325		
Frequency (MHz)				1717.5	1732.5	1747.5	20.6	0
15	QPSK	1	0	19.72	19.94	19.73		
15	QPSK	1	37	19.92	19.91	19.90	20.6	0
15	QPSK	1	74	19.77	19.72	19.70		
15	QPSK	36	0	19.48	19.98	19.61		
15	QPSK	36	20	19.70	19.67	19.77	20.6	0
15	QPSK	36	39	19.71	19.56	19.83		
15	QPSK	75	0	19.50	19.86	19.30		
15	16QAM	1	0	19.54	19.59	19.59	20.6	0
15	16QAM	1	37	19.80	19.60	19.42		
15	16QAM	1	74	19.44	19.39	19.57		
15	16QAM	36	0	19.64	19.46	19.56	20.6	0
15	16QAM	36	20	19.34	19.40	19.39		
15	16QAM	36	39	19.50	19.60	19.65		



15	16QAM	75	0	19.33	19.56	19.43		
15	64QAM	1	0	19.61	19.65	19.44	20.6	0
15	64QAM	1	37	19.53	19.47	19.67		
15	64QAM	1	74	19.49	19.51	19.57		
15	64QAM	36	0	19.68	19.91	19.63	20.6	0
15	64QAM	36	20	19.87	19.80	19.92		
15	64QAM	36	39	19.74	19.65	19.63		
15	64QAM	75	0	19.43	19.89	19.53		
15	256QAM	1	0	18.34	18.38	18.20	20	0.6
15	256QAM	1	37	18.58	18.40	18.42		
15	256QAM	1	74	18.29	18.32	18.26		
15	256QAM	36	0	18.36	18.48	18.27	20	0.6
15	256QAM	36	20	18.31	18.58	18.43		
15	256QAM	36	39	18.42	18.37	18.32		
15	256QAM	75	0	18.35	18.54	18.45		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.78	19.99	19.72	20.6	0
10	QPSK	1	25	19.94	19.88	19.93		
10	QPSK	1	49	19.74	19.74	19.76		
10	QPSK	25	0	19.46	19.96	19.66	20.6	0
10	QPSK	25	12	19.75	19.68	19.78		
10	QPSK	25	25	19.67	19.60	19.83		
10	QPSK	50	0	19.50	19.91	19.31		
10	16QAM	1	0	19.56	19.66	19.61	20.6	0
10	16QAM	1	25	19.80	19.55	19.38		
10	16QAM	1	49	19.47	19.43	19.55		
10	16QAM	25	0	19.67	19.42	19.59	20.6	0
10	16QAM	25	12	19.33	19.40	19.39		
10	16QAM	25	25	19.49	19.61	19.68		
10	16QAM	50	0	19.33	19.57	19.43		
10	64QAM	1	0	19.60	19.58	19.43	20.6	0
10	64QAM	1	25	19.52	19.44	19.65		
10	64QAM	1	49	19.47	19.48	19.51		
10	64QAM	25	0	19.67	19.91	19.69	20.6	0
10	64QAM	25	12	19.85	19.87	19.85		
10	64QAM	25	25	19.70	19.62	19.61		
10	64QAM	50	0	19.41	19.90	19.56		
10	256QAM	1	0	18.42	18.34	18.33	20	0.6
10	256QAM	1	25	18.50	18.25	18.38		
10	256QAM	1	49	18.34	18.27	18.21		
10	256QAM	25	0	18.31	18.41	18.29	20	0.6
10	256QAM	25	12	18.28	18.57	18.49		
10	256QAM	25	25	18.38	18.47	18.47		
10	256QAM	50	0	18.44	18.43	18.28		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		

5	QPSK	1	0	19.75	19.97	19.70	20.6	0
5	QPSK	1	12	19.90	19.89	19.95		
5	QPSK	1	24	19.76	19.70	19.76		
5	QPSK	12	0	19.49	19.99	19.65	20.6	0
5	QPSK	12	7	19.68	19.69	19.78		
5	QPSK	12	13	19.68	19.58	19.84		
5	QPSK	25	0	19.50	19.87	19.37		
5	16QAM	1	0	19.51	19.58	19.57	20.6	0
5	16QAM	1	12	19.80	19.60	19.41		
5	16QAM	1	24	19.46	19.36	19.55		
5	16QAM	12	0	19.62	19.45	19.55	20.6	0
5	16QAM	12	7	19.32	19.44	19.35		
5	16QAM	12	13	19.47	19.65	19.69		
5	16QAM	25	0	19.31	19.53	19.39		
5	64QAM	1	0	19.60	19.64	19.40	20.6	0
5	64QAM	1	12	19.56	19.44	19.63		
5	64QAM	1	24	19.53	19.43	19.50		
5	64QAM	12	0	19.66	19.91	19.63	20.6	0
5	64QAM	12	7	19.87	19.82	19.91		
5	64QAM	12	13	19.66	19.66	19.64		
5	64QAM	25	0	19.41	19.91	19.50		
5	256QAM	1	0	18.37	18.34	18.19	20	0.6
5	256QAM	1	12	18.57	18.31	18.39		
5	256QAM	1	24	18.40	18.32	18.09		
5	256QAM	12	0	18.44	18.39	18.17	20	0.6
5	256QAM	12	7	18.33	18.51	18.48		
5	256QAM	12	13	18.44	18.44	18.46		
5	256QAM	25	0	18.29	18.56	18.44		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.71	20.00	19.68	20.6	0
3	QPSK	1	8	19.90	19.88	19.93		
3	QPSK	1	14	19.73	19.74	19.71		
3	QPSK	8	0	19.51	19.93	19.62	20.6	0
3	QPSK	8	4	19.69	19.67	19.80		
3	QPSK	8	7	19.70	19.59	19.77		
3	QPSK	15	0	19.52	19.85	19.34		
3	16QAM	1	0	19.52	19.63	19.56	20.6	0
3	16QAM	1	8	19.82	19.53	19.44		
3	16QAM	1	14	19.43	19.38	19.56		
3	16QAM	8	0	19.61	19.43	19.58	20.6	0
3	16QAM	8	4	19.32	19.38	19.41		
3	16QAM	8	7	19.48	19.63	19.65		
3	16QAM	15	0	19.34	19.58	19.44		
3	64QAM	1	0	19.58	19.62	19.43	20.6	0
3	64QAM	1	8	19.57	19.46	19.65		
3	64QAM	1	14	19.50	19.44	19.51		

3	64QAM	8	0	19.66	19.94	19.65	20.6	0
3	64QAM	8	4	19.88	19.82	19.91		
3	64QAM	8	7	19.70	19.68	19.65		
3	64QAM	15	0	19.45	19.95	19.51		
3	256QAM	1	0	18.34	18.31	18.22	20	0.6
3	256QAM	1	8	18.49	18.42	18.48		
3	256QAM	1	14	18.37	18.38	18.17		
3	256QAM	8	0	18.34	18.38	18.29	20	0.6
3	256QAM	8	4	18.34	18.40	18.33		
3	256QAM	8	7	18.44	18.55	18.27		
3	256QAM	15	0	18.29	18.53	18.36		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.75	19.97	19.72	20.6	0
1.4	QPSK	1	3	19.91	19.86	19.95		
1.4	QPSK	1	5	19.78	19.74	19.71		
1.4	QPSK	3	0	19.46	19.95	19.59		
1.4	QPSK	3	1	19.71	19.70	19.79		
1.4	QPSK	3	3	19.75	19.59	19.80		
1.4	QPSK	6	0	19.46	19.89	19.31	20.6	0
1.4	16QAM	1	0	19.49	19.59	19.60	20.6	0
1.4	16QAM	1	3	19.79	19.60	19.41		
1.4	16QAM	1	5	19.46	19.38	19.51		
1.4	16QAM	3	0	19.65	19.46	19.58		
1.4	16QAM	3	1	19.37	19.44	19.41		
1.4	16QAM	3	3	19.47	19.63	19.70		
1.4	16QAM	6	0	19.34	19.57	19.41	20.6	0
1.4	64QAM	1	0	19.57	19.64	19.44	20.6	0
1.4	64QAM	1	3	19.55	19.44	19.69		
1.4	64QAM	1	5	19.52	19.44	19.54		
1.4	64QAM	3	0	19.66	19.92	19.63		
1.4	64QAM	3	1	19.86	19.80	19.86		
1.4	64QAM	3	3	19.73	19.62	19.66		
1.4	64QAM	6	0	19.44	19.88	19.54	20.6	0
1.4	256QAM	1	0	18.44	18.48	18.49	20	0.6
1.4	256QAM	1	3	18.68	18.41	18.46		
1.4	256QAM	1	5	18.49	18.49	18.45		
1.4	256QAM	3	0	18.48	18.44	18.43		
1.4	256QAM	3	1	18.45	18.68	18.51		
1.4	256QAM	3	3	18.55	18.48	18.50		
1.4	256QAM	6	0	18.47	18.51	18.58	20	0.6

Band 25 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		

20	QPSK	1	0	19.34	19.56	19.41	20.2	0
20	QPSK	1	49	19.41	19.40	19.54		
20	QPSK	1	99	19.51	19.51	19.45		
20	QPSK	50	0	19.22	19.51	19.35	20.2	0
20	QPSK	50	24	19.35	19.20	19.40		
20	QPSK	50	50	19.40	19.24	19.36		
20	QPSK	100	0	19.17	19.27	19.01		
20	16QAM	1	0	19.31	19.51	19.35	20.2	0
20	16QAM	1	49	19.34	19.37	19.50		
20	16QAM	1	99	19.45	19.46	19.42		
20	16QAM	50	0	19.18	19.46	19.30	20.2	0
20	16QAM	50	24	19.28	19.14	19.34		
20	16QAM	50	50	19.37	19.19	19.33		
20	16QAM	100	0	19.12	19.22	18.99		
20	64QAM	1	0	19.27	19.46	19.33	20.2	0
20	64QAM	1	49	19.33	19.33	19.52		
20	64QAM	1	99	19.44	19.44	19.36		
20	64QAM	50	0	19.12	19.45	19.25	20.2	0
20	64QAM	50	24	19.31	19.11	19.32		
20	64QAM	50	50	19.30	19.16	19.31		
20	64QAM	100	0	19.15	19.21	18.96		
20	256QAM	1	0	18.79	18.87	18.82	20	0.2
20	256QAM	1	49	18.71	18.74	18.78		
20	256QAM	1	99	18.61	18.68	18.77		
20	256QAM	50	0	18.64	18.63	18.61	20	0.2
20	256QAM	50	24	18.60	18.67	18.76		
20	256QAM	50	50	18.56	18.53	18.43		
20	256QAM	100	0	18.70	18.70	18.79		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	19.29	19.51	19.35	20.2	0
15	QPSK	1	37	19.32	19.34	19.46		
15	QPSK	1	74	19.42	19.47	19.38		
15	QPSK	36	0	19.16	19.46	19.33	20.2	0
15	QPSK	36	20	19.30	19.16	19.31		
15	QPSK	36	39	19.30	19.17	19.31		
15	QPSK	75	0	19.09	19.22	18.94		
15	16QAM	1	0	19.27	19.44	19.33	20.2	0
15	16QAM	1	37	19.31	19.29	19.41		
15	16QAM	1	74	19.40	19.43	19.35		
15	16QAM	36	0	19.13	19.39	19.27	20.2	0
15	16QAM	36	20	19.19	19.11	19.31		
15	16QAM	36	39	19.29	19.09	19.26		
15	16QAM	75	0	19.07	19.15	18.91		
15	64QAM	1	0	19.23	19.43	19.25	20.2	0
15	64QAM	1	37	19.25	19.31	19.48		
15	64QAM	1	74	19.34	19.34	19.27		



15	64QAM	36	0	19.05	19.42	19.17	20.2	0
15	64QAM	36	20	19.28	19.02	19.24		
15	64QAM	36	39	19.21	19.13	19.28		
15	64QAM	75	0	19.06	19.11	18.88		
15	256QAM	1	0	18.68	18.77	18.73	20	0.2
15	256QAM	1	37	18.64	18.56	18.60		
15	256QAM	1	74	18.55	18.67	18.71		
15	256QAM	36	0	18.45	18.57	18.56	20	0.2
15	256QAM	36	20	18.55	18.47	18.59		
15	256QAM	36	39	18.40	18.41	18.28		
15	256QAM	75	0	18.53	18.69	18.64		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	19.26	19.49	19.37	20.2	0
10	QPSK	1	25	19.36	19.33	19.50		
10	QPSK	1	49	19.48	19.45	19.42		
10	QPSK	25	0	19.17	19.48	19.32	20.2	0
10	QPSK	25	12	19.28	19.11	19.34		
10	QPSK	25	25	19.31	19.15	19.31		
10	QPSK	50	0	19.15	19.23	18.95		
10	16QAM	1	0	19.22	19.41	19.28	20.2	0
10	16QAM	1	25	19.26	19.28	19.42		
10	16QAM	1	49	19.39	19.44	19.39		
10	16QAM	25	0	19.14	19.43	19.21	20.2	0
10	16QAM	25	12	19.22	19.06	19.31		
10	16QAM	25	25	19.32	19.16	19.29		
10	16QAM	50	0	19.09	19.12	18.95		
10	64QAM	1	0	19.18	19.38	19.28	20.2	0
10	64QAM	1	25	19.29	19.26	19.49		
10	64QAM	1	49	19.41	19.38	19.34		
10	64QAM	25	0	19.08	19.38	19.21	20.2	0
10	64QAM	25	12	19.25	19.04	19.24		
10	64QAM	25	25	19.25	19.13	19.26		
10	64QAM	50	0	19.10	19.17	18.90		
10	256QAM	1	0	18.60	18.76	18.67	20	0.2
10	256QAM	1	25	18.54	18.64	18.59		
10	256QAM	1	49	18.56	18.55	18.60		
10	256QAM	25	0	18.48	18.58	18.60	20	0.2
10	256QAM	25	12	18.51	18.58	18.73		
10	256QAM	25	25	18.54	18.42	18.41		
10	256QAM	50	0	18.60	18.56	18.74		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	19.32	19.48	19.35	20.2	0
5	QPSK	1	12	19.37	19.33	19.48		
5	QPSK	1	24	19.41	19.47	19.39		
5	QPSK	12	0	19.15	19.42	19.27	20.2	0

5	QPSK	12	7	19.33	19.11	19.35		
5	QPSK	12	13	19.33	19.16	19.33		
5	QPSK	25	0	19.13	19.23	18.98		
5	16QAM	1	0	19.22	19.47	19.31	20.2	0
5	16QAM	1	12	19.32	19.28	19.42		
5	16QAM	1	24	19.38	19.40	19.40		
5	16QAM	12	0	19.13	19.39	19.22	20.2	0
5	16QAM	12	7	19.25	19.10	19.29		
5	16QAM	12	13	19.30	19.09	19.30		
5	16QAM	25	0	19.03	19.17	18.91		
5	64QAM	1	0	19.22	19.41	19.27	20.2	0
5	64QAM	1	12	19.30	19.24	19.48		
5	64QAM	1	24	19.36	19.37	19.32		
5	64QAM	12	0	19.02	19.36	19.21	20.2	0
5	64QAM	12	7	19.26	19.05	19.30		
5	64QAM	12	13	19.21	19.07	19.25		
5	64QAM	25	0	19.10	19.12	18.91		
5	256QAM	1	0	18.59	18.79	18.75	20	0.2
5	256QAM	1	12	18.53	18.69	18.71		
5	256QAM	1	24	18.58	18.58	18.66		
5	256QAM	12	0	18.54	18.50	18.41	20	0.2
5	256QAM	12	7	18.43	18.61	18.70		
5	256QAM	12	13	18.50	18.52	18.33		
5	256QAM	25	0	18.65	18.67	18.73		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	19.30	19.48	19.32	20.2	0
3	QPSK	1	8	19.36	19.32	19.45		
3	QPSK	1	14	19.42	19.49	19.40		
3	QPSK	8	0	19.16	19.46	19.28	20.2	0
3	QPSK	8	4	19.28	19.16	19.32		
3	QPSK	8	7	19.35	19.19	19.26		
3	QPSK	15	0	19.12	19.23	18.91		
3	16QAM	1	0	19.23	19.46	19.30	20.2	0
3	16QAM	1	8	19.28	19.31	19.46		
3	16QAM	1	14	19.40	19.43	19.36		
3	16QAM	8	0	19.12	19.41	19.24	20.2	0
3	16QAM	8	4	19.22	19.07	19.27		
3	16QAM	8	7	19.30	19.16	19.25		
3	16QAM	15	0	19.09	19.19	18.90		
3	64QAM	1	0	19.18	19.39	19.27	20.2	0
3	64QAM	1	8	19.28	19.26	19.47		
3	64QAM	1	14	19.40	19.40	19.33		
3	64QAM	8	0	19.03	19.38	19.23	20.2	0
3	64QAM	8	4	19.27	19.08	19.23		
3	64QAM	8	7	19.26	19.12	19.28		
3	64QAM	15	0	19.09	19.11	18.91		

3	256QAM	1	0	18.60	18.77	18.77	20	0.2
3	256QAM	1	8	18.60	18.59	18.69		
3	256QAM	1	14	18.56	18.51	18.58		
3	256QAM	8	0	18.55	18.53	18.54	20	0.2
3	256QAM	8	4	18.40	18.56	18.65		
3	256QAM	8	7	18.41	18.40	18.35		
3	256QAM	15	0	18.63	18.50	18.77		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	19.27	19.54	19.32	20.2	0
1.4	QPSK	1	3	19.33	19.36	19.51		
1.4	QPSK	1	5	19.45	19.43	19.38		
1.4	QPSK	3	0	19.17	19.43	19.30		
1.4	QPSK	3	1	19.32	19.17	19.33		
1.4	QPSK	3	3	19.32	19.21	19.30		
1.4	QPSK	6	0	19.12	19.19	18.93	20.2	0
1.4	16QAM	1	0	19.26	19.49	19.26	20.2	0
1.4	16QAM	1	3	19.29	19.34	19.42		
1.4	16QAM	1	5	19.38	19.42	19.35		
1.4	16QAM	3	0	19.09	19.41	19.24		
1.4	16QAM	3	1	19.26	19.11	19.26		
1.4	16QAM	3	3	19.35	19.13	19.25		
1.4	16QAM	6	0	19.06	19.12	18.90	20.2	0
1.4	64QAM	1	0	19.22	19.43	19.29	20.2	0
1.4	64QAM	1	3	19.24	19.31	19.45		
1.4	64QAM	1	5	19.35	19.39	19.27		
1.4	64QAM	3	0	19.02	19.43	19.15		
1.4	64QAM	3	1	19.27	19.07	19.23		
1.4	64QAM	3	3	19.27	19.13	19.25		
1.4	64QAM	6	0	19.11	19.18	18.90	20.2	0
1.4	256QAM	1	0	18.73	18.77	18.65	20	0.2
1.4	256QAM	1	3	18.51	18.54	18.63		
1.4	256QAM	1	5	18.46	18.54	18.75		
1.4	256QAM	3	0	18.63	18.59	18.42		
1.4	256QAM	3	1	18.45	18.50	18.70		
1.4	256QAM	3	3	18.48	18.37	18.38		
1.4	256QAM	6	0	18.70	18.64	18.67	20	0.2

Band 66 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	19.88	20.09	19.82	20.6	0
20	QPSK	1	49	20.00	20.04	20.02		
20	QPSK	1	99	19.97	19.90	19.95		
20	QPSK	50	0	19.68	20.01	19.83	20.6	0

20	QPSK	50	24	19.85	19.92	19.92		
20	QPSK	50	50	19.87	19.83	19.88		
20	QPSK	100	0	19.62	19.84	19.60		
20	16QAM	1	0	19.73	19.75	19.76	20.6	0
20	16QAM	1	49	19.92	19.78	19.65		
20	16QAM	1	99	19.53	19.49	19.66		
20	16QAM	50	0	19.72	19.58	19.71	20.6	0
20	16QAM	50	24	19.53	19.51	19.57		
20	16QAM	50	50	19.75	19.78	19.77		
20	16QAM	100	0	19.51	19.61	19.66	20.6	0
20	64QAM	1	0	19.80	19.71	19.60		
20	64QAM	1	49	19.64	19.60	19.76		
20	64QAM	1	99	19.66	19.59	19.65	20.6	0
20	64QAM	50	0	19.86	20.00	19.74		
20	64QAM	50	24	19.98	19.95	19.97		
20	64QAM	50	50	19.91	19.86	19.85	20.6	0
20	64QAM	100	0	19.58	19.92	19.76		
20	256QAM	1	0	18.49	18.54	18.46	20	0.6
20	256QAM	1	49	18.69	18.61	18.61		
20	256QAM	1	99	18.52	18.44	18.35		
20	256QAM	50	0	18.60	18.53	18.48	20	0.6
20	256QAM	50	24	18.65	18.62	18.70		
20	256QAM	50	50	18.53	18.62	18.64		
20	256QAM	100	0	18.53	18.58	18.54	Tune-up limit (dBm)	MPR (dB)
Channel				132047	132322	132597		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	19.85	20.01	19.73	20.6	0
15	QPSK	1	37	19.90	19.97	19.92		
15	QPSK	1	74	19.90	19.87	19.90		
15	QPSK	36	0	19.62	19.94	19.78	20.6	0
15	QPSK	36	20	19.76	19.87	19.86		
15	QPSK	36	39	19.81	19.78	19.78		
15	QPSK	75	0	19.54	19.74	19.55	20.6	0
15	16QAM	1	0	19.68	19.68	19.67		
15	16QAM	1	37	19.88	19.70	19.61		
15	16QAM	1	74	19.47	19.44	19.60	20.6	0
15	16QAM	36	0	19.67	19.49	19.65		
15	16QAM	36	20	19.49	19.49	19.52		
15	16QAM	36	39	19.68	19.72	19.70	20.6	0
15	16QAM	75	0	19.41	19.56	19.60		
15	64QAM	1	0	19.71	19.65	19.54		
15	64QAM	1	37	19.60	19.56	19.71	20.6	0
15	64QAM	1	74	19.59	19.55	19.56		
15	64QAM	36	0	19.80	19.92	19.69		
15	64QAM	36	20	19.92	19.85	19.90	20.6	0
15	64QAM	36	39	19.88	19.79	19.76		
15	64QAM	75	0	19.51	19.86	19.72		

15	256QAM	1	0	18.40	18.48	18.29	20	0.6
15	256QAM	1	37	18.57	18.43	18.42		
15	256QAM	1	74	18.35	18.25	18.20		
15	256QAM	36	0	18.56	18.50	18.35	20	0.6
15	256QAM	36	20	18.54	18.47	18.58		
15	256QAM	36	39	18.47	18.60	18.59		
15	256QAM	75	0	18.47	18.41	18.47		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	19.78	20.06	19.76	20.6	0
10	QPSK	1	25	19.94	19.96	19.97		
10	QPSK	1	49	19.88	19.80	19.91		
10	QPSK	25	0	19.66	19.98	19.77	20.6	0
10	QPSK	25	12	19.77	19.88	19.84		
10	QPSK	25	25	19.84	19.79	19.78		
10	QPSK	50	0	19.54	19.82	19.53		
10	16QAM	1	0	19.64	19.66	19.70	20.6	0
10	16QAM	1	25	19.84	19.70	19.58		
10	16QAM	1	49	19.49	19.46	19.64		
10	16QAM	25	0	19.66	19.53	19.63	20.6	0
10	16QAM	25	12	19.48	19.42	19.55		
10	16QAM	25	25	19.67	19.70	19.70		
10	16QAM	50	0	19.48	19.54	19.62		
10	64QAM	1	0	19.75	19.68	19.51	20.6	0
10	64QAM	1	25	19.61	19.51	19.69		
10	64QAM	1	49	19.58	19.53	19.57		
10	64QAM	25	0	19.77	19.94	19.69	20.6	0
10	64QAM	25	12	19.94	19.86	19.93		
10	64QAM	25	25	19.89	19.82	19.77		
10	64QAM	50	0	19.50	19.87	19.71		
10	256QAM	1	0	18.30	18.40	18.27	20	0.6
10	256QAM	1	25	18.51	18.56	18.56		
10	256QAM	1	49	18.36	18.42	18.29		
10	256QAM	25	0	18.41	18.42	18.42	20	0.6
10	256QAM	25	12	18.54	18.50	18.61		
10	256QAM	25	25	18.42	18.54	18.57		
10	256QAM	50	0	18.41	18.53	18.42		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	19.82	20.06	19.77	20.6	0
5	QPSK	1	12	19.91	19.99	19.99		
5	QPSK	1	24	19.88	19.80	19.88		
5	QPSK	12	0	19.64	19.92	19.74	20.6	0
5	QPSK	12	7	19.83	19.89	19.88		
5	QPSK	12	13	19.83	19.76	19.83		
5	QPSK	25	0	19.60	19.78	19.54		
5	16QAM	1	0	19.66	19.69	19.71	20.6	0

5	16QAM	1	12	19.86	19.76	19.57		
5	16QAM	1	24	19.45	19.43	19.56		
5	16QAM	12	0	19.65	19.54	19.65		
5	16QAM	12	7	19.45	19.49	19.55	20.6	0
5	16QAM	12	13	19.73	19.72	19.73		
5	16QAM	25	0	19.43	19.57	19.57		
5	64QAM	1	0	19.71	19.64	19.55	20.6	0
5	64QAM	1	12	19.56	19.56	19.74		
5	64QAM	1	24	19.59	19.54	19.58		
5	64QAM	12	0	19.79	19.90	19.70	20.6	0
5	64QAM	12	7	19.89	19.88	19.87		
5	64QAM	12	13	19.84	19.84	19.77		
5	64QAM	25	0	19.53	19.87	19.67	20	0.6
5	256QAM	1	0	18.46	18.37	18.26		
5	256QAM	1	12	18.50	18.46	18.57		
5	256QAM	1	24	18.45	18.32	18.24	20	0.6
5	256QAM	12	0	18.42	18.35	18.43		
5	256QAM	12	7	18.61	18.56	18.59		
5	256QAM	12	13	18.45	18.59	18.58	20	0.6
5	256QAM	25	0	18.41	18.40	18.53		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	19.84	20.04	19.72	20.6	0
3	QPSK	1	8	19.95	19.95	19.94		
3	QPSK	1	14	19.88	19.82	19.86		
3	QPSK	8	0	19.63	19.98	19.81	20.6	0
3	QPSK	8	4	19.75	19.89	19.88		
3	QPSK	8	7	19.82	19.81	19.80		
3	QPSK	15	0	19.53	19.78	19.52	20.6	0
3	16QAM	1	0	19.66	19.73	19.69		
3	16QAM	1	8	19.83	19.69	19.59		
3	16QAM	1	14	19.46	19.46	19.60	20.6	0
3	16QAM	8	0	19.70	19.55	19.65		
3	16QAM	8	4	19.49	19.49	19.48		
3	16QAM	8	7	19.69	19.70	19.70	20.6	0
3	16QAM	15	0	19.41	19.54	19.63		
3	64QAM	1	0	19.77	19.62	19.55		
3	64QAM	1	8	19.55	19.55	19.69	20.6	0
3	64QAM	1	14	19.60	19.56	19.55		
3	64QAM	8	0	19.83	19.94	19.67		
3	64QAM	8	4	19.88	19.90	19.90	20.6	0
3	64QAM	8	7	19.84	19.81	19.77		
3	64QAM	15	0	19.48	19.83	19.70		
3	256QAM	1	0	18.41	18.40	18.41	20	0.6
3	256QAM	1	8	18.55	18.42	18.46		
3	256QAM	1	14	18.33	18.24	18.26		
3	256QAM	8	0	18.53	18.53	18.44	20	0.6



3	256QAM	8	4	18.51	18.59	18.53		
3	256QAM	8	7	18.39	18.55	18.46		
3	256QAM	15	0	18.51	18.58	18.47		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	19.79	20.02	19.76	20.6	0
1.4	QPSK	1	3	19.97	19.95	19.96		
1.4	QPSK	1	5	19.94	19.84	19.89		
1.4	QPSK	3	0	19.59	19.92	19.74		
1.4	QPSK	3	1	19.76	19.88	19.89		
1.4	QPSK	3	3	19.85	19.73	19.81		
1.4	QPSK	6	0	19.55	19.76	19.51	20.6	0
1.4	16QAM	1	0	19.68	19.71	19.66	20.6	0
1.4	16QAM	1	3	19.86	19.69	19.63		
1.4	16QAM	1	5	19.45	19.44	19.59		
1.4	16QAM	3	0	19.64	19.50	19.64		
1.4	16QAM	3	1	19.46	19.45	19.49		
1.4	16QAM	3	3	19.69	19.69	19.68		
1.4	16QAM	6	0	19.48	19.53	19.58	20.6	0
1.4	64QAM	1	0	19.74	19.63	19.52	20.6	0
1.4	64QAM	1	3	19.61	19.54	19.73		
1.4	64QAM	1	5	19.58	19.50	19.58		
1.4	64QAM	3	0	19.78	19.98	19.70		
1.4	64QAM	3	1	19.92	19.90	19.90		
1.4	64QAM	3	3	19.85	19.82	19.79		
1.4	64QAM	6	0	19.49	19.85	19.67	20.6	0
1.4	256QAM	1	0	18.41	18.50	18.52	20	0.6
1.4	256QAM	1	3	18.65	18.49	18.43		
1.4	256QAM	1	5	18.48	18.41	18.49		
1.4	256QAM	3	0	18.50	18.42	18.46		
1.4	256QAM	3	1	18.46	18.50	18.61		
1.4	256QAM	3	3	18.51	18.45	18.52		
1.4	256QAM	6	0	18.41	18.40	18.53	20	0.6

Band 7 Ant3 DSI4								
BW [MHz]	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	16.75	16.85	16.77	17.9	0
20	QPSK	1	49	16.81	16.78	16.75		
20	QPSK	1	99	16.77	16.82	16.65		
20	QPSK	50	0	16.66	16.78	16.69	17.9	0
20	QPSK	50	24	16.70	16.56	16.71		
20	QPSK	50	50	16.72	16.57	16.63		
20	QPSK	100	0	16.39	16.64	16.47	17.9	0
20	16QAM	1	0	16.57	16.47	16.51		
20	16QAM	1	49	16.53	16.56	16.54		
20	16QAM	1	99	16.30	16.24	16.34	17.9	0
20	16QAM	50	0	16.53	16.22	16.49		
20	16QAM	50	24	16.28	16.31	16.37		
20	16QAM	50	50	16.51	16.42	16.52	17.9	0
20	16QAM	100	0	16.42	16.35	16.47		
20	64QAM	1	0	16.53	16.39	16.26		
20	64QAM	1	49	16.47	16.31	16.51	17.9	0
20	64QAM	1	99	16.47	16.39	16.44		
20	64QAM	50	0	16.38	16.29	16.30		
20	64QAM	50	24	16.51	16.50	16.44	17.9	0
20	64QAM	50	50	16.40	16.38	16.51		
20	64QAM	100	0	16.37	16.28	16.42		
20	256QAM	1	0	16.66	16.79	16.73	17.9	0
20	256QAM	1	49	16.67	16.70	16.65		
20	256QAM	1	99	16.69	16.80	16.58		
20	256QAM	50	0	16.52	16.74	16.61	17.9	0
20	256QAM	50	24	16.60	16.51	16.64		
20	256QAM	50	50	16.59	16.48	16.57		
20	256QAM	100	0	16.32	16.55	16.40	17.9	0
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.72	16.71	16.66	17.9	0
15	QPSK	1	37	16.70	16.68	16.62		
15	QPSK	1	74	16.64	16.75	16.56		
15	QPSK	36	0	16.53	16.76	16.55	17.9	0
15	QPSK	36	20	16.59	16.47	16.63		
15	QPSK	36	39	16.63	16.55	16.53		
15	QPSK	75	0	16.34	16.52	16.45	17.9	0
15	16QAM	1	0	16.45	16.38	16.41		
15	16QAM	1	37	16.47	16.50	16.49		
15	16QAM	1	74	16.19	16.16	16.29	17.9	0

15	16QAM	36	0	16.40	16.18	16.45	17.9	0
15	16QAM	36	20	16.17	16.29	16.25		
15	16QAM	36	39	16.38	16.30	16.49		
15	16QAM	75	0	16.39	16.23	16.41		
15	64QAM	1	0	16.41	16.34	16.18	17.9	0
15	64QAM	1	37	16.43	16.17	16.41		
15	64QAM	1	74	16.41	16.27	16.41		
15	64QAM	36	0	16.31	16.23	16.22	17.9	0
15	64QAM	36	20	16.48	16.39	16.31		
15	64QAM	36	39	16.34	16.27	16.43		
15	64QAM	75	0	16.33	16.25	16.36		
15	256QAM	1	0	16.63	16.75	16.62	17.9	0
15	256QAM	1	37	16.57	16.64	16.61		
15	256QAM	1	74	16.67	16.66	16.45		
15	256QAM	36	0	16.41	16.67	16.48	17.9	0
15	256QAM	36	20	16.53	16.43	16.53		
15	256QAM	36	39	16.46	16.40	16.49		
15	256QAM	75	0	16.22	16.48	16.34		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.62	16.79	16.66	17.9	0
10	QPSK	1	25	16.72	16.65	16.63		
10	QPSK	1	49	16.75	16.76	16.62		
10	QPSK	25	0	16.58	16.72	16.57	17.9	0
10	QPSK	25	12	16.61	16.53	16.62		
10	QPSK	25	25	16.66	16.54	16.55		
10	QPSK	50	0	16.34	16.52	16.35		
10	16QAM	1	0	16.49	16.39	16.41	17.9	0
10	16QAM	1	25	16.47	16.49	16.47		
10	16QAM	1	49	16.21	16.13	16.20		
10	16QAM	25	0	16.49	16.17	16.40	17.9	0
10	16QAM	25	12	16.18	16.28	16.35		
10	16QAM	25	25	16.45	16.29	16.46		
10	16QAM	50	0	16.33	16.30	16.40		
10	64QAM	1	0	16.50	16.33	16.20	17.9	0
10	64QAM	1	25	16.45	16.19	16.40		
10	64QAM	1	49	16.37	16.33	16.31		
10	64QAM	25	0	16.34	16.26	16.16	17.9	0
10	64QAM	25	12	16.44	16.47	16.32		
10	64QAM	25	25	16.37	16.32	16.38		
10	64QAM	50	0	16.33	16.21	16.36		
10	256QAM	1	0	16.62	16.71	16.63	17.9	0
10	256QAM	1	25	16.54	16.66	16.63		
10	256QAM	1	49	16.63	16.73	16.54		
10	256QAM	25	0	16.43	16.66	16.53	17.9	0
10	256QAM	25	12	16.50	16.37	16.53		
10	256QAM	25	25	16.52	16.36	16.52		

10	256QAM	50	0	16.19	16.47	16.33		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.64	16.77	16.64	17.9	0
5	QPSK	1	12	16.78	16.73	16.71		
5	QPSK	1	24	16.69	16.78	16.57		
5	QPSK	12	0	16.63	16.65	16.65	17.9	0
5	QPSK	12	7	16.58	16.43	16.64		
5	QPSK	12	13	16.60	16.45	16.56		
5	QPSK	25	0	16.29	16.52	16.35	17.9	0
5	16QAM	1	0	16.44	16.38	16.46		
5	16QAM	1	12	16.46	16.51	16.44		
5	16QAM	1	24	16.18	16.17	16.31	17.9	0
5	16QAM	12	0	16.45	16.19	16.45		
5	16QAM	12	7	16.17	16.25	16.24		
5	16QAM	12	13	16.47	16.32	16.46	17.9	0
5	16QAM	25	0	16.36	16.27	16.37		
5	64QAM	1	0	16.44	16.28	16.17		
5	64QAM	1	12	16.39	16.21	16.39	17.9	0
5	64QAM	1	24	16.41	16.29	16.30		
5	64QAM	12	0	16.34	16.17	16.20		
5	64QAM	12	7	16.46	16.47	16.39	17.9	0
5	64QAM	12	13	16.29	16.27	16.39		
5	64QAM	25	0	16.25	16.21	16.39		
5	256QAM	1	0	16.54	16.67	16.62	17.9	0
5	256QAM	1	12	16.61	16.62	16.52		
5	256QAM	1	24	16.59	16.75	16.46		
5	256QAM	12	0	16.47	16.63	16.52	17.9	0
5	256QAM	12	7	16.53	16.45	16.61		
5	256QAM	12	13	16.51	16.39	16.55		
5	256QAM	25	0	16.28	16.45	16.31		

Band 30 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				27710				
Frequency (MHz)				2310				
10	QPSK	1	0		18.01		18.9	0
10	QPSK	1	25		17.88			
10	QPSK	1	49		17.96			
10	QPSK	25	0		17.96		18.9	0
10	QPSK	25	12		17.72			
10	QPSK	25	25		17.84			
10	QPSK	50	0		17.67		18.9	0
10	16QAM	1	0		17.97			
10	16QAM	1	25		17.76			

10	16QAM	1	49		17.93			
10	16QAM	25	0		17.87		18.9	0
10	16QAM	25	12		17.58			
10	16QAM	25	25		17.75			
10	16QAM	50	0		17.58			
10	64QAM	1	0		17.92		18.9	0
10	64QAM	1	25		17.82			
10	64QAM	1	49		17.88			
10	64QAM	25	0		17.91		18.9	0
10	64QAM	25	12		17.70			
10	64QAM	25	25		17.72			
10	64QAM	50	0		17.55			
10	256QAM	1	0		17.96		18.9	0
10	256QAM	1	25		17.84			
10	256QAM	1	49		17.87			
10	256QAM	25	0		17.88		18.9	0
10	256QAM	25	12		17.62			
10	256QAM	25	25		17.72			
10	256QAM	50	0		17.65			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	17.97	17.95	17.87	18.9	0
5	QPSK	1	12	17.76	17.85	17.75		
5	QPSK	1	24	17.93	17.92	17.88		
5	QPSK	12	0	17.91	17.82	17.90	18.9	0
5	QPSK	12	7	17.69	17.66	17.66		
5	QPSK	12	13	17.79	17.81	17.74		
5	QPSK	25	0	17.55	17.58	17.63		
5	16QAM	1	0	17.97	17.98	17.95	18.9	0
5	16QAM	1	12	17.76	17.74	17.83		
5	16QAM	1	24	17.83	17.84	17.91		
5	16QAM	12	0	17.87	17.92	17.82	18.9	0
5	16QAM	12	7	17.64	17.64	17.64		
5	16QAM	12	13	17.72	17.71	17.73		
5	16QAM	25	0	17.62	17.64	17.60		
5	64QAM	1	0	17.91	17.94	17.96	18.9	0
5	64QAM	1	12	17.79	17.83	17.77		
5	64QAM	1	24	17.86	17.85	17.82		
5	64QAM	12	0	17.91	17.91	17.94	18.9	0
5	64QAM	12	7	17.69	17.68	17.64		
5	64QAM	12	13	17.80	17.82	17.79		
5	64QAM	25	0	17.53	17.56	17.60		
5	256QAM	1	0	17.93	17.88	17.95	18.9	0
5	256QAM	1	12	17.81	17.81	17.84		
5	256QAM	1	24	17.88	17.83	17.90		
5	256QAM	12	0	17.90	17.85	17.85	18.9	0
5	256QAM	12	7	17.62	17.69	17.67		

5	256QAM	12	13	17.75	17.73	17.76		
5	256QAM	25	0	17.59	17.58	17.55		

Band 2 Ant5 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.67	20.85	20.53	21.7	0
20	QPSK	1	49	20.71	20.80	20.62		
20	QPSK	1	99	20.59	20.69	20.59		
20	QPSK	50	0	20.55	20.81	20.41	21.7	0
20	QPSK	50	24	20.68	20.69	20.50		
20	QPSK	50	50	20.53	20.66	20.49		
20	QPSK	100	0	20.63	20.74	20.50		
20	16QAM	1	0	20.53	20.78	20.49	21.7	0
20	16QAM	1	49	20.58	20.75	20.50		
20	16QAM	1	99	20.46	20.67	20.56		
20	16QAM	50	0	20.62	20.79	20.46	21.7	0
20	16QAM	50	24	20.63	20.73	20.50		
20	16QAM	50	50	20.53	20.62	20.56		
20	16QAM	100	0	20.44	20.76	20.37		
20	64QAM	1	0	20.61	20.67	20.43	21.7	0
20	64QAM	1	49	20.41	20.58	20.46		
20	64QAM	1	99	20.53	20.68	20.45		
20	64QAM	50	0	20.40	20.54	20.40	21.7	0
20	64QAM	50	24	20.37	20.51	20.39		
20	64QAM	50	50	20.42	20.52	20.42		
20	64QAM	100	0	20.45	20.55	20.48		
20	256QAM	1	0	18.48	18.64	18.52	20	1.7
20	256QAM	1	49	18.50	18.57	18.51		
20	256QAM	1	99	18.43	18.56	18.44		
20	256QAM	50	0	18.52	18.58	18.53	20	1.7
20	256QAM	50	24	18.42	18.54	18.39		
20	256QAM	50	50	18.42	18.51	18.41		
20	256QAM	100	0	18.46	18.61	18.49		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.60	20.76	20.40	21.7	0
15	QPSK	1	37	20.58	20.72	20.52		
15	QPSK	1	74	20.49	20.61	20.55		
15	QPSK	36	0	20.48	20.72	20.37	21.7	0
15	QPSK	36	20	20.63	20.60	20.46		
15	QPSK	36	39	20.41	20.57	20.41		
15	QPSK	75	0	20.59	20.69	20.47		
15	16QAM	1	0	20.39	20.66	20.37	21.7	0
15	16QAM	1	37	20.47	20.61	20.43		

15	16QAM	1	74	20.42	20.56	20.44		
15	16QAM	36	0	20.52	20.65	20.39	21.7	0
15	16QAM	36	20	20.56	20.64	20.44		
15	16QAM	36	39	20.41	20.55	20.52		
15	16QAM	75	0	20.31	20.63	20.29		
15	64QAM	1	0	20.52	20.53	20.31	21.7	0
15	64QAM	1	37	20.28	20.51	20.41		
15	64QAM	1	74	20.48	20.66	20.32		
15	64QAM	36	0	20.25	20.47	20.33	21.7	0
15	64QAM	36	20	20.33	20.45	20.24		
15	64QAM	36	39	20.27	20.48	20.34		
15	64QAM	75	0	20.38	20.46	20.36		
15	256QAM	1	0	18.35	18.56	18.37	20	1.7
15	256QAM	1	37	18.35	18.53	18.36		
15	256QAM	1	74	18.31	18.42	18.31		
15	256QAM	36	0	18.41	18.47	18.41	20	1.7
15	256QAM	36	20	18.37	18.42	18.23		
15	256QAM	36	39	18.30	18.42	18.26		
15	256QAM	75	0	18.39	18.46	18.35		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.60	20.83	20.46	21.7	0
10	QPSK	1	25	20.63	20.69	20.56		
10	QPSK	1	49	20.52	20.57	20.54		
10	QPSK	25	0	20.46	20.73	20.38	21.7	0
10	QPSK	25	12	20.60	20.58	20.37		
10	QPSK	25	25	20.42	20.54	20.47		
10	QPSK	50	0	20.55	20.61	20.48		
10	16QAM	1	0	20.42	20.68	20.43	21.7	0
10	16QAM	1	25	20.47	20.72	20.37		
10	16QAM	1	49	20.39	20.63	20.48		
10	16QAM	25	0	20.51	20.73	20.41	21.7	0
10	16QAM	25	12	20.53	20.66	20.38		
10	16QAM	25	25	20.41	20.58	20.52		
10	16QAM	50	0	20.42	20.62	20.26		
10	64QAM	1	0	20.58	20.60	20.37	21.7	0
10	64QAM	1	25	20.28	20.55	20.34		
10	64QAM	1	49	20.41	20.59	20.35		
10	64QAM	25	0	20.30	20.39	20.36	21.7	0
10	64QAM	25	12	20.33	20.46	20.32		
10	64QAM	25	25	20.27	20.39	20.34		
10	64QAM	50	0	20.38	20.50	20.40		
10	256QAM	1	0	18.38	18.59	18.41	20	1.7
10	256QAM	1	25	18.45	18.44	18.38		
10	256QAM	1	49	18.36	18.44	18.30		
10	256QAM	25	0	18.46	18.53	18.41	20	1.7
10	256QAM	25	12	18.37	18.45	18.32		

10	256QAM	25	25	18.30	18.40	18.37		
10	256QAM	50	0	18.30	18.48	18.41		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.54	20.78	20.42	21.7	0
5	QPSK	1	12	20.65	20.68	20.49		
5	QPSK	1	24	20.57	20.64	20.49		
5	QPSK	12	0	20.47	20.69	20.29	21.7	0
5	QPSK	12	7	20.65	20.62	20.45		
5	QPSK	12	13	20.39	20.61	20.38		
5	QPSK	25	0	20.56	20.72	20.39		
5	16QAM	1	0	20.47	20.64	20.40	21.7	0
5	16QAM	1	12	20.45	20.67	20.43		
5	16QAM	1	24	20.39	20.61	20.45		
5	16QAM	12	0	20.57	20.66	20.35	21.7	0
5	16QAM	12	7	20.58	20.66	20.47		
5	16QAM	12	13	20.48	20.57	20.47		
5	16QAM	25	0	20.37	20.64	20.33		
5	64QAM	1	0	20.53	20.58	20.35	21.7	0
5	64QAM	1	12	20.32	20.44	20.33		
5	64QAM	1	24	20.41	20.60	20.41		
5	64QAM	12	0	20.31	20.39	20.34	21.7	0
5	64QAM	12	7	20.28	20.37	20.27		
5	64QAM	12	13	20.36	20.40	20.29		
5	64QAM	25	0	20.38	20.44	20.41		
5	256QAM	1	0	18.44	18.60	18.36	20	1.7
5	256QAM	1	12	18.42	18.44	18.43		
5	256QAM	1	24	18.28	18.51	18.33		
5	256QAM	12	0	18.37	18.47	18.43	20	1.7
5	256QAM	12	7	18.28	18.43	18.25		
5	256QAM	12	13	18.31	18.41	18.35		
5	256QAM	25	0	18.38	18.52	18.33		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.54	20.80	20.40	21.7	0
3	QPSK	1	8	20.63	20.71	20.57		
3	QPSK	1	14	20.49	20.66	20.46		
3	QPSK	8	0	20.51	20.79	20.27	21.7	0
3	QPSK	8	4	20.63	20.57	20.40		
3	QPSK	8	7	20.50	20.63	20.44		
3	QPSK	15	0	20.57	20.64	20.39		
3	16QAM	1	0	20.50	20.66	20.46	21.7	0
3	16QAM	1	8	20.54	20.69	20.39		
3	16QAM	1	14	20.37	20.64	20.49		
3	16QAM	8	0	20.51	20.70	20.42	21.7	0
3	16QAM	8	4	20.58	20.69	20.47		
3	16QAM	8	7	20.46	20.58	20.47		

3	16QAM	15	0	20.31	20.66	20.29		
3	64QAM	1	0	20.56	20.59	20.41	21.7	0
3	64QAM	1	8	20.29	20.55	20.37		
3	64QAM	1	14	20.39	20.62	20.39		
3	64QAM	8	0	20.28	20.39	20.34	21.7	0
3	64QAM	8	4	20.31	20.46	20.28		
3	64QAM	8	7	20.37	20.46	20.30		
3	64QAM	15	0	20.33	20.47	20.33		
3	256QAM	1	0	18.39	18.50	18.45	20	1.7
3	256QAM	1	8	18.40	18.46	18.43		
3	256QAM	1	14	18.33	18.46	18.36		
3	256QAM	8	0	18.43	18.50	18.45	20	1.7
3	256QAM	8	4	18.32	18.41	18.30		
3	256QAM	8	7	18.30	18.37	18.35		
3	256QAM	15	0	18.36	18.53	18.42		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.55	20.80	20.51	21.7	0
1.4	QPSK	1	3	20.65	20.77	20.59		
1.4	QPSK	1	5	20.56	20.66	20.51		
1.4	QPSK	3	0	20.53	20.76	20.48		
1.4	QPSK	3	1	20.64	20.68	20.59		
1.4	QPSK	3	3	20.53	20.64	20.48		
1.4	QPSK	6	0	20.53	20.71	20.30	21.7	0
1.4	16QAM	1	0	20.61	20.66	20.46	21.7	0
1.4	16QAM	1	3	20.45	20.59	20.36		
1.4	16QAM	1	5	20.60	20.62	20.42		
1.4	16QAM	3	0	20.45	20.73	20.44		
1.4	16QAM	3	1	20.54	20.64	20.42		
1.4	16QAM	3	3	20.40	20.58	20.43		
1.4	16QAM	6	0	20.55	20.73	20.43	21.7	0
1.4	64QAM	1	0	20.55	20.68	20.44	21.7	0
1.4	64QAM	1	3	20.41	20.48	20.48		
1.4	64QAM	1	5	20.40	20.69	20.25		
1.4	64QAM	3	0	20.56	20.60	20.37		
1.4	64QAM	3	1	20.37	20.52	20.41		
1.4	64QAM	3	3	20.39	20.64	20.32		
1.4	64QAM	6	0	20.25	20.50	20.29	21.7	0
1.4	256QAM	1	0	18.32	18.46	18.29	20	1.7
1.4	256QAM	1	3	18.38	18.43	18.37		
1.4	256QAM	1	5	18.40	18.45	18.43		
1.4	256QAM	3	0	18.26	18.44	18.24		
1.4	256QAM	3	1	18.37	18.44	18.37		
1.4	256QAM	3	3	18.41	18.48	18.33		
1.4	256QAM	6	0	18.31	18.51	18.42	20	1.7

Band 4 Ant5 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.33	20.60	20.24	21.5	0
20	QPSK	1	49	20.41	20.52	20.31		
20	QPSK	1	99	20.22	20.43	20.16		
20	QPSK	50	0	20.22	20.45	20.12	21.5	0
20	QPSK	50	24	20.34	20.34	20.28		
20	QPSK	50	50	20.16	20.27	20.04		
20	QPSK	100	0	20.23	20.40	20.12	21.5	0
20	16QAM	1	0	20.29	20.30	20.30		
20	16QAM	1	49	20.21	20.33	20.21		
20	16QAM	1	99	20.27	20.47	20.06	21.5	0
20	16QAM	50	0	20.29	20.47	20.15		
20	16QAM	50	24	20.25	20.48	20.16		
20	16QAM	50	50	20.27	20.43	20.28	21.5	0
20	16QAM	100	0	20.17	20.33	20.16		
20	64QAM	1	0	20.21	20.43	20.08		
20	64QAM	1	49	20.21	20.19	20.19	21.5	0
20	64QAM	1	99	20.11	20.22	19.90		
20	64QAM	50	0	20.12	20.19	20.10		
20	64QAM	50	24	20.01	20.24	20.13	21.5	0
20	64QAM	50	50	20.27	20.24	20.12		
20	64QAM	100	0	20.23	20.38	20.35		
20	256QAM	1	0	18.43	18.58	18.36	20	1.5
20	256QAM	1	49	18.45	18.49	18.41		
20	256QAM	1	99	18.37	18.44	18.38		
20	256QAM	50	0	18.47	18.47	18.39	20	1.5
20	256QAM	50	24	18.26	18.40	18.25		
20	256QAM	50	50	18.29	18.39	18.28		
20	256QAM	100	0	18.42	18.50	18.41	21.5	0
Channel				20025	20175	20325		
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.22	20.49	20.12	21.5	0
15	QPSK	1	37	20.27	20.41	20.28		
15	QPSK	1	74	20.13	20.34	20.10		
15	QPSK	36	0	20.20	20.40	20.08	21.5	0
15	QPSK	36	20	20.23	20.25	20.21		
15	QPSK	36	39	20.10	20.13	20.02		
15	QPSK	75	0	20.17	20.35	20.02	21.5	0
15	16QAM	1	0	20.18	20.27	20.24		
15	16QAM	1	37	20.17	20.26	20.13		
15	16QAM	1	74	20.21	20.37	19.99	21.5	0
15	16QAM	36	0	20.22	20.35	20.04		

15	16QAM	36	20	20.12	20.40	20.03		
15	16QAM	36	39	20.15	20.36	20.15		
15	16QAM	75	0	20.06	20.31	20.10		
15	64QAM	1	0	20.10	20.31	20.02	21.5	0
15	64QAM	1	37	20.14	20.06	20.14		
15	64QAM	1	74	20.04	20.10	19.85		
15	64QAM	36	0	20.05	20.13	19.97	21.5	0
15	64QAM	36	20	19.95	20.10	20.00		
15	64QAM	36	39	20.19	20.18	20.10		
15	64QAM	75	0	20.20	20.30	20.23		
15	256QAM	1	0	18.25	18.41	18.22	20	1.5
15	256QAM	1	37	18.22	18.45	18.30		
15	256QAM	1	74	18.21	18.38	18.19		
15	256QAM	36	0	18.35	18.41	18.34	20	1.5
15	256QAM	36	20	18.26	18.36	18.09		
15	256QAM	36	39	18.15	18.30	18.21		
15	256QAM	75	0	18.24	18.37	18.31		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.22	20.48	20.19	21.5	0
10	QPSK	1	25	20.31	20.42	20.28		
10	QPSK	1	49	20.17	20.38	20.06		
10	QPSK	25	0	20.15	20.37	19.99	21.5	0
10	QPSK	25	12	20.30	20.26	20.16		
10	QPSK	25	25	20.09	20.20	20.00		
10	QPSK	50	0	20.14	20.33	20.02		
10	16QAM	1	0	20.19	20.25	20.17	21.5	0
10	16QAM	1	25	20.17	20.20	20.18		
10	16QAM	1	49	20.15	20.34	20.00		
10	16QAM	25	0	20.27	20.35	20.02	21.5	0
10	16QAM	25	12	20.16	20.41	20.04		
10	16QAM	25	25	20.21	20.33	20.24		
10	16QAM	50	0	20.12	20.24	20.08		
10	64QAM	1	0	20.17	20.35	20.04	21.5	0
10	64QAM	1	25	20.13	20.07	20.16		
10	64QAM	1	49	19.98	20.18	19.81		
10	64QAM	25	0	20.00	20.16	20.00	21.5	0
10	64QAM	25	12	19.99	20.11	20.04		
10	64QAM	25	25	20.25	20.20	20.03		
10	64QAM	50	0	20.10	20.24	20.31		
10	256QAM	1	0	18.29	18.44	18.26	20	1.5
10	256QAM	1	25	18.40	18.31	18.23		
10	256QAM	1	49	18.31	18.37	18.19		
10	256QAM	25	0	18.34	18.46	18.32	20	1.5
10	256QAM	25	12	18.29	18.34	18.19		
10	256QAM	25	25	18.22	18.32	18.22		
10	256QAM	50	0	18.24	18.37	18.34		

Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.26	20.47	20.13	21.5	0
5	QPSK	1	12	20.28	20.48	20.23		
5	QPSK	1	24	20.15	20.32	20.11		
5	QPSK	12	0	20.11	20.33	19.99	21.5	0
5	QPSK	12	7	20.22	20.30	20.22		
5	QPSK	12	13	20.14	20.13	19.93		
5	QPSK	25	0	20.10	20.33	20.01	21.5	0
5	16QAM	1	0	20.22	20.19	20.17		
5	16QAM	1	12	20.13	20.19	20.13		
5	16QAM	1	24	20.16	20.43	19.93	21.5	0
5	16QAM	12	0	20.21	20.34	20.13		
5	16QAM	12	7	20.21	20.38	20.13		
5	16QAM	12	13	20.16	20.30	20.24	21.5	0
5	16QAM	25	0	20.04	20.24	20.03		
5	64QAM	1	0	20.11	20.32	20.01		
5	64QAM	1	12	20.12	20.09	20.12	21.5	0
5	64QAM	1	24	20.08	20.19	19.87		
5	64QAM	12	0	19.98	20.15	19.96		
5	64QAM	12	7	19.88	20.11	20.05	21.5	0
5	64QAM	12	13	20.22	20.19	20.09		
5	64QAM	25	0	20.13	20.29	20.31		
5	256QAM	1	0	18.34	18.55	18.25	20	1.5
5	256QAM	1	12	18.34	18.29	18.29		
5	256QAM	1	24	18.24	18.45	18.21		
5	256QAM	12	0	18.28	18.32	18.32	20	1.5
5	256QAM	12	7	18.22	18.32	18.12		
5	256QAM	12	13	18.24	18.27	18.20		
5	256QAM	25	0	18.23	18.46	18.17	20	1.5
Channel				19965	20175	20385		
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.21	20.50	20.15	21.5	0
3	QPSK	1	8	20.31	20.47	20.23		
3	QPSK	1	14	20.13	20.32	20.02		
3	QPSK	8	0	20.11	20.36	20.00	21.5	0
3	QPSK	8	4	20.23	20.29	20.26		
3	QPSK	8	7	20.08	20.18	20.00		
3	QPSK	15	0	20.14	20.27	20.01	21.5	0
3	16QAM	1	0	20.27	20.23	20.18		
3	16QAM	1	8	20.09	20.25	20.09		
3	16QAM	1	14	20.16	20.34	19.94	21.5	0
3	16QAM	8	0	20.22	20.41	20.04		
3	16QAM	8	4	20.21	20.37	20.10		
3	16QAM	8	7	20.19	20.39	20.26	21.5	0
3	16QAM	15	0	20.15	20.28	20.05		
3	64QAM	1	0	20.14	20.31	20.00		

3	64QAM	1	8	20.12	20.07	20.13		
3	64QAM	1	14	20.02	20.13	19.80		
3	64QAM	8	0	20.06	20.11	20.08		
3	64QAM	8	4	19.91	20.11	20.09	21.5	0
3	64QAM	8	7	20.20	20.17	20.01		
3	64QAM	15	0	20.09	20.34	20.30		
3	256QAM	1	0	18.33	18.35	18.33	20	1.5
3	256QAM	1	8	18.27	18.36	18.33		
3	256QAM	1	14	18.25	18.34	18.24		
3	256QAM	8	0	18.38	18.41	18.35	20	1.5
3	256QAM	8	4	18.25	18.36	18.25		
3	256QAM	8	7	18.23	18.24	18.31		
3	256QAM	15	0	18.23	18.48	18.31		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.27	20.52	20.20	21.5	0
1.4	QPSK	1	3	20.36	20.41	20.23		
1.4	QPSK	1	5	20.12	20.38	20.10		
1.4	QPSK	3	0	20.15	20.34	20.04		
1.4	QPSK	3	1	20.28	20.31	20.24		
1.4	QPSK	3	3	20.03	20.18	19.98		
1.4	QPSK	6	0	20.17	20.27	20.03	21.5	0
1.4	16QAM	1	0	20.22	20.19	20.23	21.5	0
1.4	16QAM	1	3	20.16	20.28	20.16		
1.4	16QAM	1	5	20.19	20.44	19.93		
1.4	16QAM	3	0	20.27	20.39	20.03		
1.4	16QAM	3	1	20.17	20.38	20.02		
1.4	16QAM	3	3	20.15	20.33	20.23		
1.4	16QAM	6	0	20.03	20.30	20.14	21.5	0
1.4	64QAM	1	0	20.10	20.39	19.98	21.5	0
1.4	64QAM	1	3	20.15	20.10	20.10		
1.4	64QAM	1	5	20.01	20.17	19.80		
1.4	64QAM	3	0	20.09	20.11	20.03		
1.4	64QAM	3	1	19.92	20.19	20.04		
1.4	64QAM	3	3	20.25	20.18	19.99		
1.4	64QAM	6	0	20.14	20.30	20.31	21.5	0
1.4	256QAM	1	0	18.27	18.35	18.18	20	1.5
1.4	256QAM	1	3	18.23	18.35	18.26		
1.4	256QAM	1	5	18.32	18.34	18.37		
1.4	256QAM	3	0	18.14	18.32	18.15		
1.4	256QAM	3	1	18.30	18.36	18.26		
1.4	256QAM	3	3	18.32	18.38	18.20		
1.4	256QAM	6	0	18.19	18.40	18.37	20	1.5

Band 66 Ant5 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.43	20.65	20.28	21.5	0
20	QPSK	1	49	20.48	20.55	20.37		
20	QPSK	1	99	20.30	20.47	20.29		
20	QPSK	50	0	20.30	20.53	20.15	21.5	0
20	QPSK	50	24	20.37	20.46	20.34		
20	QPSK	50	50	20.27	20.38	20.16		
20	QPSK	100	0	20.30	20.51	20.17	21.5	0
20	16QAM	1	0	20.42	20.44	20.35		
20	16QAM	1	49	20.23	20.39	20.25		
20	16QAM	1	99	20.31	20.53	20.16	21.5	0
20	16QAM	50	0	20.38	20.55	20.23		
20	16QAM	50	24	20.30	20.59	20.25		
20	16QAM	50	50	20.36	20.52	20.34	21.5	0
20	16QAM	100	0	20.20	20.42	20.23		
20	64QAM	1	0	20.26	20.45	20.13		
20	64QAM	1	49	20.34	20.33	20.27	21.5	0
20	64QAM	1	99	20.24	20.26	20.04		
20	64QAM	50	0	20.19	20.33	20.17		
20	64QAM	50	24	20.10	20.31	20.25	21.5	0
20	64QAM	50	50	20.29	20.33	20.21		
20	64QAM	100	0	20.32	20.42	20.37		
20	256QAM	1	0	18.38	18.42	18.30	20	1.5
20	256QAM	1	49	18.39	18.43	18.34		
20	256QAM	1	99	18.30	18.31	18.23		
20	256QAM	50	0	18.34	18.32	18.27	20	1.5
20	256QAM	50	24	18.14	18.35	18.14		
20	256QAM	50	50	18.19	18.26	18.21		
20	256QAM	100	0	18.37	18.36	18.29	21.5	0
Channel				132047	132322	132597		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.37	20.59	20.16	21.5	0
15	QPSK	1	37	20.36	20.48	20.25		
15	QPSK	1	74	20.22	20.35	20.25		
15	QPSK	36	0	20.18	20.40	20.09	21.5	0
15	QPSK	36	20	20.29	20.43	20.29		
15	QPSK	36	39	20.22	20.28	20.13		
15	QPSK	75	0	20.21	20.40	20.08	21.5	0
15	16QAM	1	0	20.35	20.34	20.26		
15	16QAM	1	37	20.20	20.32	20.20		
15	16QAM	1	74	20.22	20.44	20.08	21.5	0
15	16QAM	36	0	20.25	20.50	20.15		

15	16QAM	36	20	20.20	20.56	20.12		
15	16QAM	36	39	20.25	20.40	20.31		
15	16QAM	75	0	20.08	20.34	20.13		
15	64QAM	1	0	20.17	20.31	20.01	21.5	0
15	64QAM	1	37	20.31	20.21	20.14		
15	64QAM	1	74	20.11	20.21	19.93		
15	64QAM	36	0	20.15	20.22	20.18	21.5	0
15	64QAM	36	20	20.14	20.21	20.03		
15	64QAM	36	39	20.09	20.28	20.14		
15	64QAM	75	0	20.15	20.20	20.15	20	1.5
15	256QAM	1	0	18.12	18.35	18.11		
15	256QAM	1	37	18.14	18.33	18.21		
15	256QAM	1	74	18.15	18.30	18.04	20	1.5
15	256QAM	36	0	18.28	18.28	18.21		
15	256QAM	36	20	18.15	18.29	18.29		
15	256QAM	36	39	18.06	18.25	18.07	Tune-up limit (dBm)	MPR (dB)
15	256QAM	75	0	18.19	18.32	18.26		
Channel				132022	132322	132622		
Frequency (MHz)				1715	1745	1775	21.5	0
10	QPSK	1	0	20.31	20.60	20.15		
10	QPSK	1	25	20.43	20.45	20.34		
10	QPSK	1	49	20.20	20.43	20.22	21.5	0
10	QPSK	25	0	20.24	20.51	20.10		
10	QPSK	25	12	20.29	20.41	20.27		
10	QPSK	25	25	20.25	20.35	20.06	21.5	0
10	QPSK	50	0	20.26	20.39	20.06		
10	16QAM	1	0	20.32	20.37	20.24		
10	16QAM	1	25	20.20	20.29	20.22	21.5	0
10	16QAM	1	49	20.22	20.43	20.11		
10	16QAM	25	0	20.36	20.48	20.11		
10	16QAM	25	12	20.20	20.49	20.17	21.5	0
10	16QAM	25	25	20.26	20.41	20.27		
10	16QAM	50	0	20.17	20.32	20.14		
10	64QAM	1	0	20.12	20.34	20.02	21.5	0
10	64QAM	1	25	20.23	20.23	20.18		
10	64QAM	1	49	20.17	20.22	19.92		
10	64QAM	25	0	20.03	20.09	20.07	21.5	0
10	64QAM	25	12	20.11	20.17	20.14		
10	64QAM	25	25	20.00	20.20	20.17		
10	64QAM	50	0	20.17	20.22	20.18	20	1.5
10	256QAM	1	0	18.18	18.40	18.13		
10	256QAM	1	25	18.30	18.18	18.10		
10	256QAM	1	49	18.18	18.28	18.07	20	1.5
10	256QAM	25	0	18.24	18.34	18.22		
10	256QAM	25	12	18.14	18.27	18.04		
10	256QAM	25	25	18.14	18.25	18.11	20	1.5
10	256QAM	50	0	18.14	18.21	18.26		

Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.29	20.59	20.21	21.5	0
5	QPSK	1	12	20.46	20.46	20.30		
5	QPSK	1	24	20.20	20.45	20.22		
5	QPSK	12	0	20.18	20.46	20.11	21.5	0
5	QPSK	12	7	20.29	20.36	20.26		
5	QPSK	12	13	20.23	20.30	20.06		
5	QPSK	25	0	20.23	20.41	20.11	21.5	0
5	16QAM	1	0	20.40	20.31	20.22		
5	16QAM	1	12	20.20	20.33	20.23		
5	16QAM	1	24	20.23	20.47	20.10	21.5	0
5	16QAM	12	0	20.33	20.41	20.17		
5	16QAM	12	7	20.27	20.49	20.15		
5	16QAM	12	13	20.33	20.38	20.24	21.5	0
5	16QAM	25	0	20.16	20.36	20.16		
5	64QAM	1	0	20.23	20.36	20.09		
5	64QAM	1	12	20.30	20.24	20.23	21.5	0
5	64QAM	1	24	20.11	20.20	19.97		
5	64QAM	12	0	20.07	20.16	20.21		
5	64QAM	12	7	20.12	20.23	20.07	21.5	0
5	64QAM	12	13	20.17	20.14	20.05		
5	64QAM	25	0	20.17	20.22	20.25		
5	256QAM	1	0	18.22	18.40	18.19	20	1.5
5	256QAM	1	12	18.26	18.21	18.19		
5	256QAM	1	24	18.17	18.41	18.08		
5	256QAM	12	0	18.18	18.17	18.25	20	1.5
5	256QAM	12	7	18.14	18.28	18.01		
5	256QAM	12	13	18.14	18.18	18.07		
5	256QAM	25	0	18.11	18.41	18.11	20	1.5
Channel				131987	132322	132657		
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.34	20.57	20.23	21.5	0
3	QPSK	1	8	20.38	20.52	20.33		
3	QPSK	1	14	20.23	20.44	20.27		
3	QPSK	8	0	20.18	20.40	20.10	21.5	0
3	QPSK	8	4	20.33	20.42	20.27		
3	QPSK	8	7	20.23	20.33	20.09		
3	QPSK	15	0	20.19	20.39	20.10	21.5	0
3	16QAM	1	0	20.38	20.36	20.25		
3	16QAM	1	8	20.10	20.37	20.13		
3	16QAM	1	14	20.21	20.44	20.09	21.5	0
3	16QAM	8	0	20.27	20.50	20.16		
3	16QAM	8	4	20.20	20.50	20.20		
3	16QAM	8	7	20.26	20.42	20.21	21.5	0
3	16QAM	15	0	20.09	20.36	20.09		
3	64QAM	1	0	20.12	20.40	20.04		

3	64QAM	1	8	20.32	20.30	20.22		
3	64QAM	1	14	20.16	20.18	19.95		
3	64QAM	8	0	20.01	20.23	20.10		
3	64QAM	8	4	20.16	20.24	20.06	21.5	0
3	64QAM	8	7	20.19	20.25	20.13		
3	64QAM	15	0	20.08	20.19	20.17		
3	256QAM	1	0	18.20	18.28	18.25	20	1.5
3	256QAM	1	8	18.11	18.22	18.22		
3	256QAM	1	14	18.18	18.24	18.12		
3	256QAM	8	0	18.27	18.29	18.20	20	1.5
3	256QAM	8	4	18.15	18.22	18.12		
3	256QAM	8	7	18.15	18.09	18.24		
3	256QAM	15	0	18.12	18.36	18.16		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.30	20.60	20.26	21.5	0
1.4	QPSK	1	3	20.36	20.52	20.32		
1.4	QPSK	1	5	20.19	20.40	20.26		
1.4	QPSK	3	0	20.37	20.52	20.19		
1.4	QPSK	3	1	20.36	20.42	20.31		
1.4	QPSK	3	3	20.23	20.37	20.24		
1.4	QPSK	6	0	20.20	20.49	20.11	21.5	0
1.4	16QAM	1	0	20.34	20.36	20.25	21.5	0
1.4	16QAM	1	3	20.19	20.28	20.09		
1.4	16QAM	1	5	20.19	20.48	20.05		
1.4	16QAM	3	0	20.29	20.40	20.24		
1.4	16QAM	3	1	20.16	20.35	20.16		
1.4	16QAM	3	3	20.23	20.43	20.14		
1.4	16QAM	6	0	20.33	20.42	20.14	21.5	0
1.4	64QAM	1	0	20.25	20.48	20.16	21.5	0
1.4	64QAM	1	3	20.26	20.42	20.26		
1.4	64QAM	1	5	20.14	20.34	20.15		
1.4	64QAM	3	0	20.24	20.41	20.06		
1.4	64QAM	3	1	20.20	20.22	20.16		
1.4	64QAM	3	3	20.11	20.16	19.91		
1.4	64QAM	6	0	20.08	20.39	20.18	21.5	0
1.4	256QAM	1	0	18.41	18.49	18.38	20	1.5
1.4	256QAM	1	3	18.41	18.53	18.49		
1.4	256QAM	1	5	18.55	18.49	18.56		
1.4	256QAM	3	0	18.30	18.55	18.31		
1.4	256QAM	3	1	18.51	18.54	18.48		
1.4	256QAM	3	3	18.54	18.59	18.38		
1.4	256QAM	6	0	18.44	18.58	18.52	20	1.5

Reduced Power Mode for DSI 5

Band 5 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.00	23.10	23.09	24.5	0
10	QPSK	1	25	23.05	23.05	23.05		
10	QPSK	1	49	23.09	23.05	23.01		
10	QPSK	25	0	22.78	22.83	22.81	24	0.5
10	QPSK	25	12	22.62	22.61	22.51		
10	QPSK	25	25	22.73	22.71	22.71		
10	QPSK	50	0	22.75	22.81	22.80	24	0.5
10	16QAM	1	0	23.05	23.07	23.08		
10	16QAM	1	25	22.87	22.94	22.89		
10	16QAM	1	49	22.97	22.91	23.01	23	1.5
10	16QAM	25	0	21.81	21.78	21.71		
10	16QAM	25	12	21.58	21.61	21.63		
10	16QAM	25	25	21.77	21.72	21.65	23	1.5
10	16QAM	50	0	21.65	21.65	21.62		
10	64QAM	1	0	21.84	21.80	21.73		
10	64QAM	1	25	21.90	21.81	21.83	22	2.5
10	64QAM	1	49	21.76	21.76	21.75		
10	64QAM	25	0	21.91	21.82	21.72		
10	64QAM	25	12	21.79	21.76	21.78	20	4.5
10	64QAM	25	25	21.70	21.69	21.70		
10	64QAM	50	0	21.71	21.74	21.76		
10	256QAM	1	0	18.64	18.67	18.64	20	4.5
10	256QAM	1	25	18.51	18.61	18.65		
10	256QAM	1	49	18.52	18.54	18.62		
10	256QAM	25	0	18.74	18.76	18.66	20	4.5
10	256QAM	25	12	18.61	18.69	18.76		
10	256QAM	25	25	18.71	18.71	18.80		
10	256QAM	50	0	18.62	18.65	18.61	23	1.5
Channel				20425	20525	20625		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	23.05	23.05	22.98	24.5	0
5	QPSK	1	12	23.05	23.06	23.03		
5	QPSK	1	24	23.06	22.98	23.02		
5	QPSK	12	0	22.79	22.64	22.73	24	0.5
5	QPSK	12	7	22.57	22.49	22.35		
5	QPSK	12	13	22.61	22.60	22.61		
5	QPSK	25	0	22.59	22.68	22.68	24	0.5
5	16QAM	1	0	22.95	23.02	22.95		
5	16QAM	1	12	22.76	22.87	22.76		
5	16QAM	1	24	22.94	22.88	22.89	23	1.5
5	16QAM	12	0	21.67	21.62	21.69		

5	16QAM	12	7	21.43	21.53	21.45		
5	16QAM	12	13	21.60	21.60	21.61		
5	16QAM	25	0	21.61	21.47	21.56		
5	64QAM	1	0	21.79	21.67	21.63	23	1.5
5	64QAM	1	12	21.80	21.70	21.67		
5	64QAM	1	24	21.66	21.65	21.63		
5	64QAM	12	0	21.81	21.68	21.59	22	2.5
5	64QAM	12	7	21.65	21.63	21.66		
5	64QAM	12	13	21.52	21.65	21.66		
5	64QAM	25	0	21.61	21.61	21.61		
5	256QAM	1	0	18.50	18.65	18.47	20	4.5
5	256QAM	1	12	18.41	18.56	18.56		
5	256QAM	1	24	18.48	18.40	18.56		
5	256QAM	12	0	18.70	18.67	18.53	20	4.5
5	256QAM	12	7	18.56	18.63	18.62		
5	256QAM	12	13	18.69	18.56	18.66		
5	256QAM	25	0	18.53	18.49	18.54		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.00	23.05	23.08	24.5	0
3	QPSK	1	8	23.01	23.08	22.98		
3	QPSK	1	14	23.05	23.00	23.03		
3	QPSK	8	0	22.80	22.72	22.72	24	0.5
3	QPSK	8	4	22.59	22.47	22.40		
3	QPSK	8	7	22.63	22.62	22.59		
3	QPSK	15	0	22.67	22.68	22.64		
3	16QAM	1	0	23.01	22.95	22.92	24	0.5
3	16QAM	1	8	22.69	22.80	22.76		
3	16QAM	1	14	22.92	22.81	22.96		
3	16QAM	8	0	21.63	21.68	21.60	23	1.5
3	16QAM	8	4	21.42	21.55	21.50		
3	16QAM	8	7	21.63	21.66	21.57		
3	16QAM	15	0	21.53	21.49	21.58		
3	64QAM	1	0	21.79	21.71	21.57	23	1.5
3	64QAM	1	8	21.87	21.73	21.69		
3	64QAM	1	14	21.65	21.64	21.68		
3	64QAM	8	0	21.88	21.74	21.57	22	2.5
3	64QAM	8	4	21.61	21.67	21.63		
3	64QAM	8	7	21.55	21.66	21.58		
3	64QAM	15	0	21.62	21.67	21.72		
3	256QAM	1	0	18.58	18.60	18.57	20	4.5
3	256QAM	1	8	18.37	18.57	18.53		
3	256QAM	1	14	18.36	18.37	18.52		
3	256QAM	8	0	18.65	18.66	18.49	20	4.5
3	256QAM	8	4	18.46	18.52	18.62		
3	256QAM	8	7	18.59	18.62	18.71		
3	256QAM	15	0	18.56	18.53	18.49		

Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	23.06	23.05	23.01	24.5	0
1.4	QPSK	1	3	23.06	23.04	23.07		
1.4	QPSK	1	5	23.01	22.92	22.98		
1.4	QPSK	3	0	23.04	23.06	23.02		
1.4	QPSK	3	1	23.06	23.03	23.03		
1.4	QPSK	3	3	23.01	23.02	22.98		
1.4	QPSK	6	0	22.71	22.68	22.69	24	0.5
1.4	16QAM	1	0	22.48	22.54	22.46	24	0.5
1.4	16QAM	1	3	22.64	22.60	22.60		
1.4	16QAM	1	5	22.60	22.59	22.68		
1.4	16QAM	3	0	22.99	22.90	23.06		
1.4	16QAM	3	1	22.81	22.92	22.73		
1.4	16QAM	3	3	22.82	22.87	22.91		
1.4	16QAM	6	0	21.64	21.62	21.66	23	1.5
1.4	64QAM	1	0	21.52	21.53	21.52	23	1.5
1.4	64QAM	1	3	21.62	21.69	21.56		
1.4	64QAM	1	5	21.61	21.62	21.50		
1.4	64QAM	3	0	21.81	21.72	21.56		
1.4	64QAM	3	1	21.87	21.68	21.67		
1.4	64QAM	3	3	21.65	21.69	21.62		
1.4	64QAM	6	0	21.82	21.73	21.66	22	2.5
1.4	256QAM	1	0	18.44	18.59	18.67	20	4.5
1.4	256QAM	1	3	18.55	18.59	18.76		
1.4	256QAM	1	5	18.51	18.59	18.56		
1.4	256QAM	3	0	18.52	18.58	18.51		
1.4	256QAM	3	1	18.45	18.52	18.61		
1.4	256QAM	3	3	18.61	18.58	18.68		
1.4	256QAM	6	0	18.47	18.51	18.54	20	4.5

Band 12 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711	25	0
10	QPSK	1	0	23.65	23.89	23.76		
10	QPSK	1	25	23.79	23.84	23.84		
10	QPSK	1	49	23.85	23.79	23.76	24	1
10	QPSK	25	0	22.77	22.85	22.83		
10	QPSK	25	12	22.73	22.80	22.80		
10	QPSK	25	25	22.69	22.73	22.75		
10	QPSK	50	0	22.64	22.81	22.73	24	1
10	16QAM	1	0	23.28	23.22	23.14		
10	16QAM	1	25	23.03	23.04	23.01		
10	16QAM	1	49	23.15	23.13	23.07	23	2
10	16QAM	25	0	21.72	21.70	21.72		

10	16QAM	25	12	21.50	21.56	21.53		
10	16QAM	25	25	21.59	21.69	21.71		
10	16QAM	50	0	21.45	21.53	21.43		
10	64QAM	1	0	22.11	22.16	22.25	23	2
10	64QAM	1	25	22.16	22.12	22.22		
10	64QAM	1	49	22.15	22.09	22.04		
10	64QAM	25	0	20.72	20.74	20.83	22	3
10	64QAM	25	12	20.78	20.73	20.66		
10	64QAM	25	25	20.84	20.85	20.91		
10	64QAM	50	0	20.80	20.79	20.79		
10	256QAM	1	0	19.41	19.34	19.38	20	5
10	256QAM	1	25	19.20	19.29	19.32		
10	256QAM	1	49	19.41	19.40	19.31		
10	256QAM	25	0	18.88	18.94	19.00	20	5
10	256QAM	25	12	18.90	18.85	18.75		
10	256QAM	25	25	18.97	18.87	18.94		
10	256QAM	50	0	18.82	18.87	18.95		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	23.60	23.76	23.67	25	0
5	QPSK	1	12	23.64	23.75	23.70		
5	QPSK	1	24	23.79	23.71	23.59		
5	QPSK	12	0	22.69	22.63	22.80	24	1
5	QPSK	12	7	22.70	22.70	22.71		
5	QPSK	12	13	22.64	22.60	22.63		
5	QPSK	25	0	22.59	22.60	22.71		
5	16QAM	1	0	23.24	23.08	23.04	24	1
5	16QAM	1	12	22.87	22.86	22.99		
5	16QAM	1	24	23.05	23.07	22.94		
5	16QAM	12	0	21.61	21.61	21.55	23	2
5	16QAM	12	7	21.41	21.54	21.45		
5	16QAM	12	13	21.55	21.58	21.59		
5	16QAM	25	0	21.40	21.49	21.40		
5	64QAM	1	0	22.03	22.01	22.15	23	2
5	64QAM	1	12	22.07	21.98	22.14		
5	64QAM	1	24	22.12	22.05	21.99		
5	64QAM	12	0	20.66	20.58	20.68	22	3
5	64QAM	12	7	20.66	20.57	20.61		
5	64QAM	12	13	20.66	20.82	20.75		
5	64QAM	25	0	20.65	20.76	20.66		
5	256QAM	1	0	19.31	19.19	19.21	20	5
5	256QAM	1	12	19.13	19.15	19.27		
5	256QAM	1	24	19.32	19.24	19.24		
5	256QAM	12	0	18.82	18.84	18.96	20	5
5	256QAM	12	7	18.77	18.78	18.59		
5	256QAM	12	13	18.92	18.81	18.86		
5	256QAM	25	0	18.66	18.73	18.77		

Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	23.48	23.71	23.70	25	0
3	QPSK	1	8	23.74	23.68	23.66		
3	QPSK	1	14	23.73	23.63	23.61		
3	QPSK	8	0	22.71	22.65	22.72	24	1
3	QPSK	8	4	22.62	22.74	22.76		
3	QPSK	8	7	22.52	22.70	22.58		
3	QPSK	15	0	22.56	22.55	22.61	24	1
3	16QAM	1	0	23.16	23.04	23.09		
3	16QAM	1	8	22.86	22.96	22.99		
3	16QAM	1	14	23.13	22.95	22.96	23	2
3	16QAM	8	0	21.66	21.55	21.56		
3	16QAM	8	4	21.36	21.45	21.46		
3	16QAM	8	7	21.46	21.56	21.57	23	2
3	16QAM	15	0	21.37	21.48	21.36		
3	64QAM	1	0	21.98	22.10	22.18		
3	64QAM	1	8	22.08	22.10	22.19	23	2
3	64QAM	1	14	21.97	22.01	21.99		
3	64QAM	8	0	20.67	20.61	20.66		
3	64QAM	8	4	20.62	20.58	20.55	22	3
3	64QAM	8	7	20.75	20.79	20.76		
3	64QAM	15	0	20.76	20.68	20.63		
3	256QAM	1	0	19.31	19.29	19.34	20	5
3	256QAM	1	8	19.10	19.17	19.16		
3	256QAM	1	14	19.38	19.23	19.13		
3	256QAM	8	0	18.80	18.90	18.95	20	5
3	256QAM	8	4	18.88	18.69	18.71		
3	256QAM	8	7	18.82	18.84	18.87		
3	256QAM	15	0	18.77	18.76	18.85	20	5
3	256QAM	15	0	18.77	18.76	18.85		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	23.60	23.73	23.63	25	0
1.4	QPSK	1	3	23.72	23.74	23.73		
1.4	QPSK	1	5	23.76	23.71	23.69		
1.4	QPSK	3	0	23.49	23.79	23.58		
1.4	QPSK	3	1	23.71	23.81	23.75		
1.4	QPSK	3	3	23.76	23.69	23.69	24	1
1.4	QPSK	6	0	22.62	22.59	22.72		
1.4	16QAM	1	0	22.60	22.68	22.65	24	1
1.4	16QAM	1	3	22.52	22.65	22.61		
1.4	16QAM	1	5	22.51	22.58	22.55		
1.4	16QAM	3	0	23.25	23.10	22.99		
1.4	16QAM	3	1	22.99	22.94	22.99		
1.4	16QAM	3	3	23.03	22.98	23.01	23	2
1.4	16QAM	6	0	21.68	21.66	21.55		
1.4	64QAM	1	0	21.46	21.40	21.42	23	2

1.4	64QAM	1	3	21.48	21.52	21.63		
1.4	64QAM	1	5	21.42	21.45	21.36		
1.4	64QAM	3	0	22.03	22.06	22.08		
1.4	64QAM	3	1	22.02	21.99	22.06		
1.4	64QAM	3	3	22.06	21.92	21.96		
1.4	64QAM	6	0	20.57	20.58	20.77	22	3
1.4	256QAM	1	0	19.31	19.21	19.21	20	5
1.4	256QAM	1	3	19.11	19.18	19.27		
1.4	256QAM	1	5	19.23	19.33	19.18		
1.4	256QAM	3	0	18.70	18.85	18.97		
1.4	256QAM	3	1	18.81	18.67	18.73		
1.4	256QAM	3	3	18.82	18.84	18.88	20	5
1.4	256QAM	6	0	18.65	18.73	18.77		

Band 13 Ant0 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230				
Frequency (MHz)				782				
10	QPSK	1	0		23.71		25	0
10	QPSK	1	25		23.67			
10	QPSK	1	49		23.57			
10	QPSK	25	0		22.71		24	1
10	QPSK	25	12		22.63			
10	QPSK	25	25		22.58			
10	QPSK	50	0		22.59		24	1
10	16QAM	1	0		22.89			
10	16QAM	1	25		23.06			
10	16QAM	1	49		23.07		24	1
10	16QAM	25	0		21.64			
10	16QAM	25	12		21.80			
10	16QAM	25	25		21.82		23	2
10	16QAM	50	0		21.78			
10	64QAM	1	0		22.05			
10	64QAM	1	25		22.12		23	2
10	64QAM	1	49		22.08			
10	64QAM	25	0		20.66			
10	64QAM	25	12		20.89		22	3
10	64QAM	25	25		20.87			
10	64QAM	50	0		20.68			
10	256QAM	1	0		18.75		20	5
10	256QAM	1	25		18.61			
10	256QAM	1	49		18.57			
10	256QAM	25	0		18.75		20	5
10	256QAM	25	12		18.88			

10	256QAM	25	25		18.85			
10	256QAM	50	0		18.87			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	23.52	23.65	23.39	25	0
5	QPSK	1	12	23.35	23.59	23.49		
5	QPSK	1	24	23.25	23.44	23.40		
5	QPSK	12	0	22.52	22.63	22.36	24	1
5	QPSK	12	7	22.52	22.49	22.45		
5	QPSK	12	13	22.38	22.42	22.33		
5	QPSK	25	0	22.47	22.44	22.36		
5	16QAM	1	0	22.66	22.80	22.69	24	1
5	16QAM	1	12	22.93	23.03	22.99		
5	16QAM	1	24	22.96	23.05	22.74		
5	16QAM	12	0	21.31	21.61	21.44	23	2
5	16QAM	12	7	21.61	21.68	21.55		
5	16QAM	12	13	21.71	21.75	21.61		
5	16QAM	25	0	21.56	21.68	21.64		
5	64QAM	1	0	21.74	21.94	21.92	23	2
5	64QAM	1	12	21.88	22.06	21.93		
5	64QAM	1	24	21.79	21.98	21.86		
5	64QAM	12	0	20.41	20.59	20.38	22	3
5	64QAM	12	7	20.60	20.81	20.83		
5	64QAM	12	13	20.55	20.80	20.68		
5	64QAM	25	0	20.45	20.53	20.46		
5	256QAM	1	0	18.49	18.70	18.55	20	5
5	256QAM	1	12	18.39	18.54	18.53		
5	256QAM	1	24	18.38	18.42	18.35		
5	256QAM	12	0	18.44	18.62	18.62	20	5
5	256QAM	12	7	18.67	18.78	18.80		
5	256QAM	12	13	18.60	18.78	18.55		
5	256QAM	25	0	18.52	18.78	18.56		

Band 14 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23330				
Frequency (MHz)				793				
10	QPSK	1	0		23.83		25	0
10	QPSK	1	25		23.76			
10	QPSK	1	49		23.79			
10	QPSK	25	0		22.82		24	1
10	QPSK	25	12		22.67			
10	QPSK	25	25		22.78			
10	QPSK	50	0		22.80			

10	16QAM	1	0		23.12		24	1
10	16QAM	1	25		23.24			
10	16QAM	1	49		23.04			
10	16QAM	25	0		21.80		23	2
10	16QAM	25	12		21.90			
10	16QAM	25	25		21.82			
10	16QAM	50	0		21.86			
10	64QAM	1	0		21.73		23	2
10	64QAM	1	25		21.72			
10	64QAM	1	49		21.69			
10	64QAM	25	0		20.79		22	3
10	64QAM	25	12		20.78			
10	64QAM	25	25		20.78			
10	64QAM	50	0		20.79			
10	256QAM	1	0		18.76		20	5
10	256QAM	1	25		18.90			
10	256QAM	1	49		18.84			
10	256QAM	25	0		18.71		20	5
10	256QAM	25	12		18.83			
10	256QAM	25	25		18.76			
10	256QAM	50	0		18.62			
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	0	23.63	23.81	23.63	25	0
5	QPSK	1	12	23.66	23.66	23.63		
5	QPSK	1	24	23.68	23.70	23.53		
5	QPSK	12	0	22.38	22.52	22.37	24	1
5	QPSK	12	7	22.39	22.59	22.48		
5	QPSK	12	13	22.73	22.74	22.48		
5	QPSK	25	0	22.57	22.68	22.70		
5	16QAM	1	0	22.85	22.97	23.03	24	1
5	16QAM	1	12	22.97	23.20	23.07		
5	16QAM	1	24	22.77	22.92	22.79		
5	16QAM	12	0	21.56	21.64	21.66	23	2
5	16QAM	12	7	21.85	21.78	21.68		
5	16QAM	12	13	21.68	21.74	21.68		
5	16QAM	25	0	21.75	21.73	21.81		
5	64QAM	1	0	21.59	21.57	21.42	23	2
5	64QAM	1	12	21.54	21.65	21.50		
5	64QAM	1	24	21.49	21.67	21.47		
5	64QAM	12	0	20.63	20.64	20.62	22	3
5	64QAM	12	7	20.59	20.71	20.43		
5	64QAM	12	13	20.45	20.65	20.67		
5	64QAM	25	0	20.58	20.62	20.63		
5	256QAM	1	0	18.52	18.62	18.59	20	5
5	256QAM	1	12	18.66	18.76	18.67		
5	256QAM	1	24	18.60	18.82	18.70		

5	256QAM	12	0	18.46	18.61	18.51	20	5
5	256QAM	12	7	18.63	18.67	18.60		
5	256QAM	12	13	18.61	18.70	18.56		
5	256QAM	25	0	18.46	18.49	18.42		

Band 17 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.77	23.82	23.74	25	0
10	QPSK	1	25	23.77	23.81	23.73		
10	QPSK	1	49	23.71	23.79	23.58		
10	QPSK	25	0	22.71	22.78	22.72	24	1
10	QPSK	25	12	22.76	22.72	22.70		
10	QPSK	25	25	22.70	22.72	22.66		
10	QPSK	50	0	22.65	22.69	22.58	24	1
10	16QAM	1	0	22.86	22.91	22.98		
10	16QAM	1	25	23.05	23.04	23.13		
10	16QAM	1	49	22.83	22.92	22.90	23	2
10	16QAM	25	0	21.63	21.71	21.76		
10	16QAM	25	12	21.67	21.76	21.72		
10	16QAM	25	25	21.70	21.69	21.75	23	2
10	16QAM	50	0	21.94	21.90	21.85		
10	64QAM	1	0	21.95	21.89	21.84		
10	64QAM	1	25	21.74	21.73	21.68	22	3
10	64QAM	1	49	21.88	21.79	21.70		
10	64QAM	25	0	20.72	20.72	20.76		
10	64QAM	25	12	20.79	20.75	20.77	20	5
10	64QAM	25	25	20.93	20.85	20.90		
10	64QAM	50	0	20.65	20.73	20.67		
10	256QAM	1	0	19.21	19.22	19.29	20	5
10	256QAM	1	25	19.21	19.24	19.32		
10	256QAM	1	49	19.31	19.33	19.39		
10	256QAM	25	0	19.25	19.19	19.17	20	5
10	256QAM	25	12	19.33	19.25	19.18		
10	256QAM	25	25	19.31	19.21	19.29		
10	256QAM	50	0	19.10	19.14	19.12	25	0
5	QPSK	1	0	23.69	23.76	23.72		
5	QPSK	1	12	23.70	23.66	23.68		
5	QPSK	1	24	23.58	23.62	23.53	24	1
5	QPSK	12	0	22.53	22.52	22.57		
5	QPSK	12	7	22.63	22.60	22.60		
5	QPSK	12	13	22.56	22.57	22.50	24	1
5	QPSK	25	0	22.55	22.44	22.43		

5	16QAM	1	0	22.72	22.84	22.88	24	1
5	16QAM	1	12	23.02	22.99	23.10		
5	16QAM	1	24	22.77	22.83	22.84		
5	16QAM	12	0	21.51	21.56	21.59	23	2
5	16QAM	12	7	21.59	21.72	21.61		
5	16QAM	12	13	21.56	21.61	21.59		
5	16QAM	25	0	21.81	21.84	21.72	23	2
5	64QAM	1	0	21.86	21.80	21.73		
5	64QAM	1	12	21.64	21.62	21.64		
5	64QAM	1	24	21.83	21.68	21.61	22	3
5	64QAM	12	0	20.64	20.55	20.60		
5	64QAM	12	7	20.64	20.62	20.68		
5	64QAM	12	13	20.84	20.71	20.75	20	5
5	64QAM	25	0	20.59	20.62	20.51		
5	256QAM	1	0	19.11	19.16	19.26		
5	256QAM	1	12	19.05	19.14	19.18	20	5
5	256QAM	1	24	19.25	19.24	19.23		
5	256QAM	12	0	19.22	19.10	19.00		
5	256QAM	12	7	19.22	19.14	19.05	20	5
5	256QAM	12	13	19.16	19.06	19.12		
5	256QAM	25	0	19.07	19.09	19.04		

Band 26 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.07	23.11	22.95	24.5	0
15	QPSK	1	37	22.96	23.07	23.02		
15	QPSK	1	74	22.96	23.02	23.10		
15	QPSK	36	0	22.73	22.75	22.65	24	0.5
15	QPSK	36	20	22.65	22.63	22.56		
15	QPSK	36	39	22.72	22.67	22.67		
15	QPSK	75	0	22.59	22.63	22.60	24	0.5
15	16QAM	1	0	22.89	22.80	22.83		
15	16QAM	1	37	22.70	22.76	22.79		
15	16QAM	1	74	22.70	22.69	22.69	23	1.5
15	16QAM	36	0	21.75	21.70	21.62		
15	16QAM	36	20	21.53	21.49	21.51		
15	16QAM	36	39	21.69	21.61	21.60	23	1.5
15	16QAM	75	0	21.61	21.56	21.46		
15	64QAM	1	0	21.59	21.59	21.56		
15	64QAM	1	37	21.72	21.72	21.80	22	2.5
15	64QAM	1	74	21.59	21.64	21.56		
15	64QAM	36	0	20.57	20.61	20.62		
15	64QAM	36	20	20.60	20.51	20.42	22	2.5
15	64QAM	36	39	20.59	20.61	20.54		

15	64QAM	75	0	20.58	20.58	20.65	20	4.5
15	256QAM	1	0	18.82	18.74	18.80		
15	256QAM	1	37	18.92	18.83	18.86		
15	256QAM	1	74	18.82	18.83	18.84	20	4.5
15	256QAM	36	0	18.60	18.65	18.67		
15	256QAM	36	20	18.70	18.70	18.73		
15	256QAM	36	39	18.70	18.70	18.75		
15	256QAM	75	0	18.86	18.79	18.73		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	23.05	23.02	22.83	24.5	0
10	QPSK	1	25	22.91	22.96	22.93		
10	QPSK	1	49	22.82	22.96	23.07		
10	QPSK	25	0	22.58	22.65	22.60	24	0.5
10	QPSK	25	12	22.57	22.60	22.43		
10	QPSK	25	25	22.60	22.67	22.62		
10	QPSK	50	0	22.44	22.47	22.54		
10	16QAM	1	0	22.74	22.77	22.67	24	0.5
10	16QAM	1	25	22.65	22.74	22.76		
10	16QAM	1	49	22.60	22.63	22.67		
10	16QAM	25	0	21.64	21.66	21.54	23	1.5
10	16QAM	25	12	21.50	21.34	21.37		
10	16QAM	25	25	21.56	21.47	21.49		
10	16QAM	50	0	21.52	21.45	21.30		
10	64QAM	1	0	21.55	21.56	21.49	23	1.5
10	64QAM	1	25	21.64	21.66	21.73		
10	64QAM	1	49	21.49	21.47	21.43		
10	64QAM	25	0	20.41	20.51	20.45	22	2.5
10	64QAM	25	12	20.50	20.45	20.32		
10	64QAM	25	25	20.50	20.47	20.39		
10	64QAM	50	0	20.55	20.42	20.52		
10	256QAM	1	0	18.66	18.58	18.70	20	4.5
10	256QAM	1	25	18.89	18.80	18.82		
10	256QAM	1	49	18.64	18.72	18.74		
10	256QAM	25	0	18.54	18.58	18.63	20	4.5
10	256QAM	25	12	18.65	18.60	18.59		
10	256QAM	25	25	18.57	18.62	18.70		
10	256QAM	50	0	18.81	18.65	18.70		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.99	23.04	22.85	24.5	0
5	QPSK	1	12	22.84	22.96	22.91		
5	QPSK	1	24	22.90	22.99	23.05		
5	QPSK	12	0	22.67	22.64	22.47	24	0.5
5	QPSK	12	7	22.51	22.52	22.53		
5	QPSK	12	13	22.62	22.66	22.63		
5	QPSK	25	0	22.53	22.52	22.48		

5	16QAM	1	0	22.84	22.67	22.75	24	0.5
5	16QAM	1	12	22.53	22.72	22.74		
5	16QAM	1	24	22.67	22.57	22.57		
5	16QAM	12	0	21.57	21.60	21.58	23	1.5
5	16QAM	12	7	21.44	21.38	21.42		
5	16QAM	12	13	21.54	21.51	21.51		
5	16QAM	25	0	21.44	21.39	21.28	23	1.5
5	64QAM	1	0	21.45	21.53	21.40		
5	64QAM	1	12	21.57	21.58	21.63		
5	64QAM	1	24	21.56	21.49	21.45	22	2.5
5	64QAM	12	0	20.47	20.58	20.55		
5	64QAM	12	7	20.46	20.48	20.40		
5	64QAM	12	13	20.41	20.54	20.48	20	4.5
5	64QAM	25	0	20.44	20.51	20.54		
5	256QAM	1	0	18.70	18.66	18.76		
5	256QAM	1	12	18.76	18.65	18.75	20	4.5
5	256QAM	1	24	18.71	18.71	18.78		
5	256QAM	12	0	18.48	18.49	18.56		
5	256QAM	12	7	18.59	18.66	18.56	20	4.5
5	256QAM	12	13	18.58	18.67	18.65		
5	256QAM	25	0	18.76	18.67	18.69		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.98	23.02	22.91	24.5	0
3	QPSK	1	8	22.88	23.03	22.93		
3	QPSK	1	14	22.86	22.89	23.03		
3	QPSK	8	0	22.64	22.57	22.61	24	0.5
3	QPSK	8	4	22.62	22.58	22.53		
3	QPSK	8	7	22.63	22.58	22.50		
3	QPSK	15	0	22.45	22.52	22.55	24	0.5
3	16QAM	1	0	22.72	22.65	22.80		
3	16QAM	1	8	22.67	22.62	22.76		
3	16QAM	1	14	22.60	22.66	22.58	23	1.5
3	16QAM	8	0	21.70	21.64	21.56		
3	16QAM	8	4	21.47	21.39	21.39		
3	16QAM	8	7	21.54	21.54	21.45	23	1.5
3	16QAM	15	0	21.47	21.53	21.36		
3	64QAM	1	0	21.51	21.48	21.53		
3	64QAM	1	8	21.64	21.62	21.69	22	2.5
3	64QAM	1	14	21.49	21.59	21.40		
3	64QAM	8	0	20.49	20.45	20.48		
3	64QAM	8	4	20.53	20.46	20.25	20	4.5
3	64QAM	8	7	20.50	20.57	20.39		
3	64QAM	15	0	20.48	20.46	20.55		
3	256QAM	1	0	18.65	18.66	18.66	20	4.5
3	256QAM	1	8	18.79	18.72	18.78		
3	256QAM	1	14	18.66	18.75	18.76		

3	256QAM	8	0	18.43	18.52	18.52	20	4.5
3	256QAM	8	4	18.54	18.57	18.60		
3	256QAM	8	7	18.63	18.65	18.59		
3	256QAM	15	0	18.81	18.72	18.65		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.99	23.07	22.91	24.5	0
1.4	QPSK	1	3	22.88	22.95	22.99		
1.4	QPSK	1	5	22.91	22.99	23.06		
1.4	QPSK	3	0	23.03	22.97	22.82		
1.4	QPSK	3	1	22.94	23.00	22.97		
1.4	QPSK	3	3	22.86	22.93	23.01		
1.4	QPSK	6	0	22.61	22.63	22.49	24	0.5
1.4	16QAM	1	0	22.53	22.52	22.53	24	0.5
1.4	16QAM	1	3	22.68	22.58	22.63		
1.4	16QAM	1	5	22.57	22.50	22.51		
1.4	16QAM	3	0	22.84	22.66	22.79		
1.4	16QAM	3	1	22.66	22.58	22.61		
1.4	16QAM	3	3	22.57	22.53	22.58		
1.4	16QAM	6	0	21.58	21.62	21.55	23	1.5
1.4	64QAM	1	0	21.48	21.41	21.36	23	1.5
1.4	64QAM	1	3	21.63	21.46	21.47		
1.4	64QAM	1	5	21.51	21.45	21.30		
1.4	64QAM	3	0	21.57	21.43	21.53		
1.4	64QAM	3	1	21.55	21.70	21.66		
1.4	64QAM	3	3	21.55	21.58	21.45		
1.4	64QAM	6	0	20.46	20.48	20.52	22	2.5
1.4	256QAM	1	0	18.78	18.64	18.74	20	4.5
1.4	256QAM	1	3	18.88	18.77	18.75		
1.4	256QAM	1	5	18.69	18.74	18.82		
1.4	256QAM	3	0	18.43	18.62	18.56		
1.4	256QAM	3	1	18.57	18.53	18.60		
1.4	256QAM	3	3	18.65	18.61	18.60		
1.4	256QAM	6	0	18.81	18.75	18.60	20	4.5

Band 71 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133297	133372		
Frequency (MHz)				673	680.5	688		
20	QPSK	1	0	22.67	22.76	22.63	24	0
20	QPSK	1	49	22.66	22.73	22.69		
20	QPSK	1	99	22.66	22.65	22.62		
20	QPSK	50	0	21.65	21.68	21.63	23	1
20	QPSK	50	24	21.64	21.60	21.64		

20	QPSK	50	50	21.55	21.52	21.62		
20	QPSK	100	0	21.59	21.62	21.60		
20	16QAM	1	0	21.82	21.87	21.93		
20	16QAM	1	49	21.82	21.83	21.82	23	1
20	16QAM	1	99	21.98	21.91	21.88	22	2
20	16QAM	50	0	20.67	20.65	20.64		
20	16QAM	50	24	20.58	20.58	20.53		
20	16QAM	50	50	20.79	20.78	20.70		
20	16QAM	100	0	20.67	20.66	20.70	22	2
20	64QAM	1	0	20.91	20.95	21.04		
20	64QAM	1	49	21.06	21.01	21.07		
20	64QAM	1	99	20.96	20.97	20.94	21	3
20	64QAM	50	0	19.72	19.67	19.66		
20	64QAM	50	24	19.47	19.55	19.54		
20	64QAM	50	50	19.66	19.64	19.57		
20	64QAM	100	0	19.60	19.62	19.55	19	5
20	256QAM	1	0	17.68	17.60	17.65		
20	256QAM	1	49	17.62	17.61	17.71		
20	256QAM	1	99	17.71	17.70	17.71	19	5
20	256QAM	50	0	17.63	17.55	17.58		
20	256QAM	50	24	17.56	17.59	17.57		
20	256QAM	50	50	17.52	17.61	17.71		
20	256QAM	100	0	17.64	17.70	17.79	Tune-up limit (dBm)	MPR (dB)
Channel				133197	133297	133397		
Frequency (MHz)				670.5	680.5	690.5	24	0
15	QPSK	1	0	22.65	22.70	22.52		
15	QPSK	1	37	22.63	22.60	22.53		
15	QPSK	1	74	22.51	22.61	22.51	23	1
15	QPSK	36	0	21.44	21.49	21.57		
15	QPSK	36	20	21.50	21.48	21.57		
15	QPSK	36	39	21.52	21.37	21.56		
15	QPSK	75	0	21.40	21.40	21.47	23	1
15	16QAM	1	0	21.64	21.80	21.89		
15	16QAM	1	37	21.79	21.77	21.77		
15	16QAM	1	74	21.92	21.88	21.71	22	2
15	16QAM	36	0	20.50	20.61	20.61		
15	16QAM	36	20	20.47	20.47	20.43		
15	16QAM	36	39	20.73	20.69	20.61		
15	16QAM	75	0	20.57	20.57	20.58	22	2
15	64QAM	1	0	20.81	20.90	21.00		
15	64QAM	1	37	20.91	20.96	20.99		
15	64QAM	1	74	20.86	20.84	20.77	21	3
15	64QAM	36	0	19.63	19.59	19.48		
15	64QAM	36	20	19.30	19.50	19.52		
15	64QAM	36	39	19.56	19.47	19.53		
15	64QAM	75	0	19.49	19.52	19.51	19	5
15	256QAM	1	0	17.53	17.52	17.55		

15	256QAM	1	37	17.45	17.53	17.55		
15	256QAM	1	74	17.67	17.62	17.57		
15	256QAM	36	0	17.59	17.38	17.40		
15	256QAM	36	20	17.53	17.57	17.40	19	5
15	256QAM	36	39	17.35	17.58	17.67		
15	256QAM	75	0	17.57	17.65	17.70		
Channel				133172	133297	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	0	22.64	22.70	22.52	24	0
10	QPSK	1	25	22.62	22.63	22.55		
10	QPSK	1	49	22.56	22.49	22.50		
10	QPSK	25	0	21.38	21.59	21.55	23	1
10	QPSK	25	12	21.61	21.46	21.59		
10	QPSK	25	25	21.46	21.39	21.47		
10	QPSK	50	0	21.35	21.47	21.44	23	1
10	16QAM	1	0	21.75	21.70	21.88		
10	16QAM	1	25	21.64	21.75	21.68		
10	16QAM	1	49	21.81	21.87	21.86	22	2
10	16QAM	25	0	20.53	20.56	20.55		
10	16QAM	25	12	20.43	20.45	20.44		
10	16QAM	25	25	20.63	20.73	20.53	22	2
10	16QAM	50	0	20.52	20.51	20.59		
10	64QAM	1	0	20.74	20.86	20.93		
10	64QAM	1	25	20.99	20.88	20.95	22	2
10	64QAM	1	49	20.80	20.86	20.86		
10	64QAM	25	0	19.69	19.64	19.56		
10	64QAM	25	12	19.37	19.40	19.44	21	3
10	64QAM	25	25	19.55	19.53	19.48		
10	64QAM	50	0	19.46	19.45	19.46		
10	256QAM	1	0	17.62	17.51	17.48	19	5
10	256QAM	1	25	17.54	17.55	17.59		
10	256QAM	1	49	17.54	17.67	17.54		
10	256QAM	25	0	17.56	17.41	17.52	19	5
10	256QAM	25	12	17.46	17.55	17.48		
10	256QAM	25	25	17.35	17.54	17.65		
10	256QAM	50	0	17.47	17.66	17.72	19	5
Channel				133147	133297	133447		
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.61	22.68	22.52		
5	QPSK	1	12	22.63	22.62	22.60	24	0
5	QPSK	1	24	22.60	22.59	22.49		
5	QPSK	12	0	21.51	21.61	21.53		
5	QPSK	12	7	21.58	21.49	21.49	23	1
5	QPSK	12	13	21.52	21.41	21.52		
5	QPSK	25	0	21.40	21.46	21.58		
5	16QAM	1	0	21.77	21.72	21.81	23	1
5	16QAM	1	12	21.78	21.79	21.71		

5	16QAM	1	24	21.90	21.78	21.76	22	2
5	16QAM	12	0	20.62	20.54	20.54		
5	16QAM	12	7	20.41	20.43	20.40		
5	16QAM	12	13	20.68	20.63	20.58		
5	16QAM	25	0	20.63	20.61	20.56	22	2
5	64QAM	1	0	20.74	20.90	21.00		
5	64QAM	1	12	21.02	20.93	20.98		
5	64QAM	1	24	20.81	20.85	20.85	21	3
5	64QAM	12	0	19.57	19.58	19.58		
5	64QAM	12	7	19.41	19.45	19.47		
5	64QAM	12	13	19.52	19.47	19.50		
5	64QAM	25	0	19.57	19.58	19.39	19	5
5	256QAM	1	0	17.57	17.43	17.55		
5	256QAM	1	12	17.52	17.53	17.59		
5	256QAM	1	24	17.61	17.60	17.66		
5	256QAM	12	0	17.54	17.44	17.45	19	5
5	256QAM	12	7	17.42	17.48	17.43		
5	256QAM	12	13	17.41	17.53	17.66		
5	256QAM	25	0	17.51	17.61	17.76		

Band 5 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	24	0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.30	22.36	22.23		
10	QPSK	1	25	22.22	22.29	22.31	23	1
10	QPSK	1	49	22.31	22.20	22.28		
10	QPSK	25	0	21.48	21.54	21.53		
10	QPSK	25	12	21.24	21.22	21.19		
10	QPSK	25	25	21.37	21.42	21.38	23	1
10	QPSK	50	0	21.45	21.50	21.47		
10	16QAM	1	0	21.65	21.72	21.72		
10	16QAM	1	25	21.57	21.57	21.60	22	2
10	16QAM	1	49	21.67	21.52	21.66		
10	16QAM	25	0	20.52	20.49	20.35		
10	16QAM	25	12	20.23	20.22	20.33		
10	16QAM	25	25	20.40	20.36	20.33	22	2
10	16QAM	50	0	20.34	20.31	20.25		
10	64QAM	1	0	20.51	20.50	20.38		
10	64QAM	1	25	20.55	20.42	20.50		
10	64QAM	1	49	20.42	20.47	20.41	21	3
10	64QAM	25	0	20.62	20.50	20.38		
10	64QAM	25	12	20.43	20.44	20.39		
10	64QAM	25	25	20.40	20.30	20.35		
10	64QAM	50	0	20.31	20.34	20.41	19	5
10	256QAM	1	0	17.31	17.27	17.35		

10	256QAM	1	25	17.14	17.30	17.36		
10	256QAM	1	49	17.19	17.23	17.34		
10	256QAM	25	0	17.37	17.44	17.26	19	5
10	256QAM	25	12	17.23	17.31	17.37		
10	256QAM	25	25	17.37	17.37	17.41		
10	256QAM	50	0	17.27	17.34	17.26		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.26	22.28	22.14	24	0
5	QPSK	1	12	22.17	22.18	22.22		
5	QPSK	1	24	22.23	22.08	22.12		
5	QPSK	12	0	21.33	21.41	21.38	23	1
5	QPSK	12	7	21.12	21.12	21.15		
5	QPSK	12	13	21.27	21.36	21.26		
5	QPSK	25	0	21.32	21.44	21.40		
5	16QAM	1	0	21.50	21.68	21.59	23	1
5	16QAM	1	12	21.48	21.44	21.52		
5	16QAM	1	24	21.53	21.43	21.52		
5	16QAM	12	0	20.39	20.35	20.19	22	2
5	16QAM	12	7	20.16	20.07	20.19		
5	16QAM	12	13	20.33	20.24	20.20		
5	16QAM	25	0	20.19	20.26	20.10		
5	64QAM	1	0	20.46	20.40	20.32	22	2
5	64QAM	1	12	20.40	20.29	20.40		
5	64QAM	1	24	20.31	20.38	20.35		
5	64QAM	12	0	20.50	20.45	20.22	21	3
5	64QAM	12	7	20.33	20.33	20.27		
5	64QAM	12	13	20.28	20.25	20.31		
5	64QAM	25	0	20.15	20.18	20.31		
5	256QAM	1	0	17.22	17.15	17.28	19	5
5	256QAM	1	12	17.04	17.16	17.29		
5	256QAM	1	24	17.06	17.11	17.28		
5	256QAM	12	0	17.27	17.31	17.14	19	5
5	256QAM	12	7	17.17	17.21	17.27		
5	256QAM	12	13	17.24	17.26	17.25		
5	256QAM	25	0	17.18	17.28	17.12		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.16	22.24	22.10	24	0
3	QPSK	1	8	22.11	22.18	22.16		
3	QPSK	1	14	22.21	22.14	22.19		
3	QPSK	8	0	21.43	21.45	21.47	23	1
3	QPSK	8	4	21.11	21.12	21.06		
3	QPSK	8	7	21.32	21.37	21.22		
3	QPSK	15	0	21.39	21.44	21.42		
3	16QAM	1	0	21.61	21.59	21.62	23	1
3	16QAM	1	8	21.41	21.41	21.50		

3	16QAM	1	14	21.52	21.38	21.59		
3	16QAM	8	0	20.43	20.37	20.22	22	2
3	16QAM	8	4	20.12	20.07	20.19		
3	16QAM	8	7	20.28	20.23	20.18		
3	16QAM	15	0	20.22	20.21	20.10		
3	64QAM	1	0	20.41	20.37	20.22	22	2
3	64QAM	1	8	20.48	20.33	20.43		
3	64QAM	1	14	20.34	20.33	20.36		
3	64QAM	8	0	20.50	20.45	20.30	21	3
3	64QAM	8	4	20.29	20.29	20.24		
3	64QAM	8	7	20.30	20.23	20.24		
3	64QAM	15	0	20.15	20.27	20.25		
3	256QAM	1	0	17.17	17.17	17.25	19	5
3	256QAM	1	8	17.06	17.16	17.27		
3	256QAM	1	14	17.09	17.14	17.22		
3	256QAM	8	0	17.32	17.35	17.14	19	5
3	256QAM	8	4	17.07	17.18	17.31		
3	256QAM	8	7	17.30	17.31	17.37		
3	256QAM	15	0	17.22	17.22	17.15		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.18	22.21	22.12	24	0
1.4	QPSK	1	3	22.14	22.22	22.17		
1.4	QPSK	1	5	22.25	22.12	22.16		
1.4	QPSK	3	0	22.20	22.21	22.16		
1.4	QPSK	3	1	22.12	22.15	22.18		
1.4	QPSK	3	3	22.26	22.14	22.15		
1.4	QPSK	6	0	21.36	21.39	21.39	23	1
1.4	16QAM	1	0	21.57	21.63	21.56	23	1
1.4	16QAM	1	3	21.51	21.45	21.55		
1.4	16QAM	1	5	21.60	21.40	21.52		
1.4	16QAM	3	0	21.52	21.62	21.65		
1.4	16QAM	3	1	21.51	21.50	21.46		
1.4	16QAM	3	3	21.61	21.44	21.60		
1.4	16QAM	6	0	20.24	20.19	20.15	22	2
1.4	64QAM	1	0	20.44	20.44	20.33	22	2
1.4	64QAM	1	3	20.49	20.36	20.36		
1.4	64QAM	1	5	20.35	20.36	20.33		
1.4	64QAM	3	0	20.52	20.42	20.34		
1.4	64QAM	3	1	20.33	20.31	20.24		
1.4	64QAM	3	3	20.25	20.22	20.21		
1.4	64QAM	6	0	20.26	20.21	20.29	21	3
1.4	256QAM	1	0	17.22	17.19	17.24	19	5
1.4	256QAM	1	3	17.01	17.24	17.31		
1.4	256QAM	1	5	17.09	17.16	17.28		
1.4	256QAM	3	0	17.22	17.36	17.15		
1.4	256QAM	3	1	17.18	17.23	17.32		

1.4	256QAM	3	3	17.32	17.24	17.31		
1.4	256QAM	6	0	17.14	17.26	17.12	19	5

Band 12 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.47	22.52	22.41	24	0
10	QPSK	1	25	22.42	22.48	22.49		
10	QPSK	1	49	22.37	22.37	22.48		
10	QPSK	25	0	21.55	21.68	21.66	23	1
10	QPSK	25	12	21.47	21.38	21.33		
10	QPSK	25	25	21.55	21.55	21.49		
10	QPSK	50	0	21.55	21.66	21.64	23	1
10	16QAM	1	0	21.82	21.87	21.86		
10	16QAM	1	25	21.74	21.79	21.75		
10	16QAM	1	49	21.73	21.70	21.89	22	2
10	16QAM	25	0	20.59	20.62	20.57		
10	16QAM	25	12	20.45	20.44	20.50		
10	16QAM	25	25	20.62	20.51	20.50	22	2
10	16QAM	50	0	20.46	20.43	20.39		
10	64QAM	1	0	20.63	20.60	20.53		
10	64QAM	1	25	20.74	20.66	20.60	22	2
10	64QAM	1	49	20.59	20.64	20.53		
10	64QAM	25	0	20.75	20.67	20.52		
10	64QAM	25	12	20.60	20.63	20.55	21	3
10	64QAM	25	25	20.56	20.56	20.47		
10	64QAM	50	0	20.52	20.52	20.52		
10	256QAM	1	0	17.48	17.54	17.47	19	5
10	256QAM	1	25	17.31	17.45	17.45		
10	256QAM	1	49	17.36	17.36	17.49		
10	256QAM	25	0	17.59	17.53	17.50	19	5
10	256QAM	25	12	17.43	17.54	17.57		
10	256QAM	25	25	17.56	17.50	17.59		
10	256QAM	50	0	17.49	17.52	17.49	19	5
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.36	22.47	22.26	24	0
5	QPSK	1	12	22.32	22.32	22.35		
5	QPSK	1	24	22.30	22.23	22.33		
5	QPSK	12	0	21.50	21.64	21.61	23	1
5	QPSK	12	7	21.40	21.31	21.19		
5	QPSK	12	13	21.45	21.44	21.35		
5	QPSK	25	0	21.41	21.61	21.57	23	1
5	16QAM	1	0	21.75	21.81	21.75		
5	16QAM	1	12	21.65	21.67	21.70		

5	16QAM	1	24	21.64	21.58	21.76		
5	16QAM	12	0	20.45	20.51	20.46	22	2
5	16QAM	12	7	20.38	20.36	20.37		
5	16QAM	12	13	20.47	20.36	20.36		
5	16QAM	25	0	20.40	20.28	20.30		
5	64QAM	1	0	20.50	20.50	20.44	22	2
5	64QAM	1	12	20.61	20.55	20.56		
5	64QAM	1	24	20.49	20.56	20.39		
5	64QAM	12	0	20.67	20.54	20.38	21	3
5	64QAM	12	7	20.53	20.55	20.45		
5	64QAM	12	13	20.41	20.45	20.38		
5	64QAM	25	0	20.44	20.42	20.42		
5	256QAM	1	0	17.36	17.39	17.34	19	5
5	256QAM	1	12	17.26	17.39	17.33		
5	256QAM	1	24	17.30	17.32	17.38		
5	256QAM	12	0	17.54	17.41	17.35	19	5
5	256QAM	12	7	17.37	17.43	17.48		
5	256QAM	12	13	17.50	17.35	17.46		
5	256QAM	25	0	17.36	17.40	17.37		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.33	22.45	22.35	24	0
3	QPSK	1	8	22.34	22.32	22.34		
3	QPSK	1	14	22.25	22.30	22.35		
3	QPSK	8	0	21.48	21.52	21.59	23	1
3	QPSK	8	4	21.41	21.27	21.22		
3	QPSK	8	7	21.47	21.45	21.39		
3	QPSK	15	0	21.44	21.50	21.58		
3	16QAM	1	0	21.67	21.77	21.70	23	1
3	16QAM	1	8	21.68	21.74	21.64		
3	16QAM	1	14	21.66	21.59	21.83		
3	16QAM	8	0	20.54	20.47	20.46	22	2
3	16QAM	8	4	20.40	20.37	20.35		
3	16QAM	8	7	20.56	20.38	20.37		
3	16QAM	15	0	20.37	20.35	20.27		
3	64QAM	1	0	20.50	20.44	20.38	22	2
3	64QAM	1	8	20.68	20.51	20.45		
3	64QAM	1	14	20.45	20.49	20.43		
3	64QAM	8	0	20.66	20.61	20.45	21	3
3	64QAM	8	4	20.54	20.54	20.46		
3	64QAM	8	7	20.51	20.50	20.32		
3	64QAM	15	0	20.37	20.39	20.40		
3	256QAM	1	0	17.44	17.42	17.40	19	5
3	256QAM	1	8	17.16	17.40	17.29		
3	256QAM	1	14	17.31	17.30	17.39		
3	256QAM	8	0	17.46	17.43	17.45	19	5
3	256QAM	8	4	17.36	17.49	17.48		

3	256QAM	8	7	17.51	17.44	17.46		
3	256QAM	15	0	17.37	17.47	17.40		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.36	22.41	22.33	24	0
1.4	QPSK	1	3	22.30	22.39	22.40		
1.4	QPSK	1	5	22.30	22.32	22.43		
1.4	QPSK	3	0	22.34	22.45	22.30		
1.4	QPSK	3	1	22.26	22.39	22.43		
1.4	QPSK	3	3	22.27	22.22	22.38		
1.4	QPSK	6	0	21.41	21.52	21.50	23	1
1.4	16QAM	1	0	21.78	21.76	21.78	23	1
1.4	16QAM	1	3	21.63	21.73	21.71		
1.4	16QAM	1	5	21.69	21.56	21.83		
1.4	16QAM	3	0	21.74	21.82	21.75		
1.4	16QAM	3	1	21.69	21.72	21.63		
1.4	16QAM	3	3	21.59	21.60	21.79		
1.4	16QAM	6	0	20.41	20.28	20.25	22	2
1.4	64QAM	1	0	20.59	20.47	20.40	22	2
1.4	64QAM	1	3	20.63	20.55	20.55		
1.4	64QAM	1	5	20.51	20.55	20.39		
1.4	64QAM	3	0	20.66	20.59	20.47		
1.4	64QAM	3	1	20.52	20.49	20.47		
1.4	64QAM	3	3	20.44	20.48	20.42		
1.4	64QAM	6	0	20.45	20.47	20.47	21	3
1.4	256QAM	1	0	17.43	17.48	17.36	19	5
1.4	256QAM	1	3	17.25	17.31	17.38		
1.4	256QAM	1	5	17.21	17.26	17.34		
1.4	256QAM	3	0	17.47	17.40	17.45		
1.4	256QAM	3	1	17.38	17.40	17.51		
1.4	256QAM	3	3	17.47	17.40	17.48		
1.4	256QAM	6	0	17.34	17.37	17.38	19	5

Band 13 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230				
Frequency (MHz)				782				
10	QPSK	1	0		22.45		24	0
10	QPSK	1	25		22.37			
10	QPSK	1	49		22.39			
10	QPSK	25	0		21.62		23	1
10	QPSK	25	12		21.34			
10	QPSK	25	25		21.45			
10	QPSK	50	0		21.61		23	1
10	16QAM	1	0		21.84			
10	16QAM	1	25		21.70			
10	16QAM	1	49		21.64		22	2
10	16QAM	25	0		20.58			
10	16QAM	25	12		20.39			
10	16QAM	25	25		20.43		22	2
10	16QAM	50	0		20.44			
10	64QAM	1	0		20.59			
10	64QAM	1	25		20.62		21	3
10	64QAM	1	49		20.46			
10	64QAM	25	0		20.56			
10	64QAM	25	12		20.49		19	5
10	64QAM	25	25		20.40			
10	64QAM	50	0		20.44			
10	256QAM	1	0		17.47		19	5
10	256QAM	1	25		17.31			
10	256QAM	1	49		17.28			
10	256QAM	25	0		17.57		19	5
10	256QAM	25	12		17.46			
10	256QAM	25	25		17.43			
10	256QAM	50	0		17.46		Tune-up limit (dBm)	MPR (dB)
Channel				23205	23230	23255		
Frequency (MHz)				779.5	782	784.5	24	0
5	QPSK	1	0	22.42	22.25	22.26		
5	QPSK	1	12	22.20	22.29	22.31		
5	QPSK	1	24	22.33	22.21	22.30	23	1
5	QPSK	12	0	21.41	21.40	21.51		
5	QPSK	12	7	21.23	21.35	21.15		
5	QPSK	12	13	21.34	21.35	21.28	23	1
5	QPSK	25	0	21.38	21.52	21.42		
5	16QAM	1	0	21.78	21.69	21.67		
5	16QAM	1	12	21.50	21.57	21.56	22	2
5	16QAM	1	24	21.64	21.53	21.70		
5	16QAM	12	0	20.45	20.44	20.38		

5	16QAM	12	7	20.30	20.26	20.25		
5	16QAM	12	13	20.39	20.30	20.33		
5	16QAM	25	0	20.37	20.27	20.29		
5	64QAM	1	0	20.48	20.45	20.36	22	2
5	64QAM	1	12	20.60	20.49	20.54		
5	64QAM	1	24	20.37	20.40	20.33		
5	64QAM	12	0	20.60	20.46	20.38	21	3
5	64QAM	12	7	20.45	20.41	20.46		
5	64QAM	12	13	20.40	20.33	20.29		
5	64QAM	25	0	20.40	20.48	20.44		
5	256QAM	1	0	17.35	17.39	17.37	19	5
5	256QAM	1	12	17.19	17.20	17.33		
5	256QAM	1	24	17.18	17.26	17.29		
5	256QAM	12	0	17.35	17.37	17.33	19	5
5	256QAM	12	7	17.29	17.33	17.44		
5	256QAM	12	13	17.38	17.46	17.44		
5	256QAM	25	0	17.16	17.29	17.31		

Band 14 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23330				
Frequency (MHz)				793				
10	QPSK	1	0		22.47		24	0
10	QPSK	1	25		22.36			
10	QPSK	1	49		22.41			
10	QPSK	25	0		21.54		23	1
10	QPSK	25	12		21.36			
10	QPSK	25	25		21.52			
10	QPSK	50	0		21.60			
10	16QAM	1	0		21.86		23	1
10	16QAM	1	25		21.65			
10	16QAM	1	49		21.71			
10	16QAM	25	0		20.57		22	2
10	16QAM	25	12		20.32			
10	16QAM	25	25		20.46			
10	16QAM	50	0		20.43			
10	64QAM	1	0		20.61		22	2
10	64QAM	1	25		20.56			
10	64QAM	1	49		20.59			
10	64QAM	25	0		20.64		21	3
10	64QAM	25	12		20.57			
10	64QAM	25	25		20.51			
10	64QAM	50	0		20.48			
10	256QAM	1	0		17.46		19	5
10	256QAM	1	25		17.34			
10	256QAM	1	49		17.32			

10	256QAM	25	0		17.56		19	5
10	256QAM	25	12		17.40			
10	256QAM	25	25		17.43			
10	256QAM	50	0		17.47			
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	0	22.41	22.40	22.30	24	0
5	QPSK	1	12	22.29	22.34	22.26		
5	QPSK	1	24	22.25	22.19	22.25		
5	QPSK	12	0	21.47	21.42	21.51	23	1
5	QPSK	12	7	21.20	21.21	21.14		
5	QPSK	12	13	21.38	21.30	21.33		
5	QPSK	25	0	21.40	21.43	21.47		
5	16QAM	1	0	21.72	21.66	21.73	23	1
5	16QAM	1	12	21.54	21.56	21.52		
5	16QAM	1	24	21.69	21.68	21.70		
5	16QAM	12	0	20.49	20.49	20.40	22	2
5	16QAM	12	7	20.35	20.25	20.30		
5	16QAM	12	13	20.45	20.36	20.41		
5	16QAM	25	0	20.37	20.28	20.28		
5	64QAM	1	0	20.46	20.54	20.46	22	2
5	64QAM	1	12	20.63	20.50	20.52		
5	64QAM	1	24	20.52	20.45	20.41		
5	64QAM	12	0	20.56	20.50	20.35	21	3
5	64QAM	12	7	20.44	20.44	20.40		
5	64QAM	12	13	20.35	20.38	20.33		
5	64QAM	25	0	20.43	20.40	20.42		
5	256QAM	1	0	17.39	17.29	17.30	19	5
5	256QAM	1	12	17.16	17.29	17.31		
5	256QAM	1	24	17.26	17.19	17.27		
5	256QAM	12	0	17.33	17.49	17.36	19	5
5	256QAM	12	7	17.31	17.43	17.38		
5	256QAM	12	13	17.39	17.34	17.53		
5	256QAM	25	0	17.32	17.30	17.29		

Band 17 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.60	22.66	22.51	24	0
10	QPSK	1	25	22.63	22.64	22.58		
10	QPSK	1	49	22.52	22.57	22.60		
10	QPSK	25	0	21.77	21.83	21.82	23	1
10	QPSK	25	12	21.56	21.62	21.51		
10	QPSK	25	25	21.74	21.71	21.64		
10	QPSK	50	0	21.71	21.79	21.71		

10	16QAM	1	0	22.00	22.02	22.09	23	1
10	16QAM	1	25	21.79	21.88	21.82		
10	16QAM	1	49	21.93	21.93	21.92		
10	16QAM	25	0	20.83	20.71	20.61	22	2
10	16QAM	25	12	20.55	20.54	20.56		
10	16QAM	25	25	20.71	20.68	20.65		
10	16QAM	50	0	20.59	20.64	20.55		
10	64QAM	1	0	20.77	20.72	20.71	22	2
10	64QAM	1	25	20.81	20.82	20.81		
10	64QAM	1	49	20.66	20.76	20.70		
10	64QAM	25	0	20.82	20.78	20.72	21	3
10	64QAM	25	12	20.69	20.77	20.68		
10	64QAM	25	25	20.60	20.62	20.63		
10	64QAM	50	0	20.71	20.74	20.68		
10	256QAM	1	0	17.58	17.58	17.65	19	5
10	256QAM	1	25	17.50	17.61	17.58		
10	256QAM	1	49	17.51	17.48	17.54		
10	256QAM	25	0	17.64	17.74	17.66	19	5
10	256QAM	25	12	17.62	17.63	17.73		
10	256QAM	25	25	17.72	17.61	17.75		
10	256QAM	50	0	17.57	17.60	17.52		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.47	22.56	22.37	24	0
5	QPSK	1	12	22.52	22.54	22.53		
5	QPSK	1	24	22.45	22.49	22.44		
5	QPSK	12	0	21.70	21.73	21.75	23	1
5	QPSK	12	7	21.41	21.48	21.36		
5	QPSK	12	13	21.69	21.61	21.52		
5	QPSK	25	0	21.57	21.67	21.57		
5	16QAM	1	0	21.87	21.93	21.99	23	1
5	16QAM	1	12	21.73	21.77	21.68		
5	16QAM	1	24	21.85	21.85	21.82		
5	16QAM	12	0	20.69	20.62	20.57	22	2
5	16QAM	12	7	20.51	20.49	20.46		
5	16QAM	12	13	20.60	20.62	20.59		
5	16QAM	25	0	20.44	20.53	20.42		
5	64QAM	1	0	20.63	20.63	20.59	22	2
5	64QAM	1	12	20.68	20.76	20.69		
5	64QAM	1	24	20.60	20.63	20.62		
5	64QAM	12	0	20.75	20.70	20.57		
5	64QAM	12	7	20.57	20.71	20.63	21	3
5	64QAM	12	13	20.54	20.56	20.51		
5	64QAM	25	0	20.57	20.69	20.55		
5	256QAM	1	0	17.46	17.49	17.54		
5	256QAM	1	12	17.46	17.57	17.48	19	5
5	256QAM	1	24	17.39	17.43	17.44		

5	256QAM	12	0	17.49	17.61	17.56	19	5
5	256QAM	12	7	17.51	17.54	17.59		
5	256QAM	12	13	17.60	17.57	17.64		
5	256QAM	25	0	17.48	17.55	17.42		

Band 26 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.30	22.34	22.22	24	0
15	QPSK	1	37	22.23	22.30	22.32		
15	QPSK	1	74	22.19	22.22	22.26		
15	QPSK	36	0	21.47	21.49	21.47	23	1
15	QPSK	36	20	21.21	21.26	21.10		
15	QPSK	36	39	21.37	21.32	21.40		
15	QPSK	75	0	21.40	21.47	21.40	23	1
15	16QAM	1	0	21.72	21.67	21.74		
15	16QAM	1	37	21.53	21.55	21.53		
15	16QAM	1	74	21.59	21.59	21.65	22	2
15	16QAM	36	0	20.50	20.45	20.34		
15	16QAM	36	20	20.22	20.22	20.31		
15	16QAM	36	39	20.37	20.35	20.27	22	2
15	16QAM	75	0	20.34	20.25	20.26		
15	64QAM	1	0	20.53	20.50	20.42		
15	64QAM	1	37	20.56	20.45	20.49	21	3
15	64QAM	1	74	20.46	20.41	20.39		
15	64QAM	36	0	20.52	20.49	20.40		
15	64QAM	36	20	20.49	20.37	20.43	19	5
15	64QAM	36	39	20.34	20.35	20.32		
15	64QAM	75	0	20.36	20.37	20.38		
15	256QAM	1	0	17.25	17.25	17.25	19	5
15	256QAM	1	37	17.11	17.27	17.27		
15	256QAM	1	74	17.21	17.19	17.31		
15	256QAM	36	0	17.44	17.34	17.36	19	5
15	256QAM	36	20	17.25	17.28	17.44		
15	256QAM	36	39	17.39	17.30	17.41		
15	256QAM	75	0	17.30	17.30	17.30	24	0
Channel				26740	26865	26990		
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.20	22.21	22.06	24	0
10	QPSK	1	25	22.12	22.17	22.21		
10	QPSK	1	49	22.09	22.18	22.14		
10	QPSK	25	0	21.41	21.35	21.33	23	1
10	QPSK	25	12	21.11	21.20	21.03		
10	QPSK	25	25	21.33	21.23	21.32		
10	QPSK	50	0	21.30	21.40	21.26	23	1

10	16QAM	1	0	21.61	21.60	21.67	23	1
10	16QAM	1	25	21.47	21.45	21.39		
10	16QAM	1	49	21.47	21.50	21.60		
10	16QAM	25	0	20.45	20.35	20.21	22	2
10	16QAM	25	12	20.11	20.16	20.16		
10	16QAM	25	25	20.26	20.21	20.18		
10	16QAM	50	0	20.25	20.12	20.12		
10	64QAM	1	0	20.38	20.35	20.36	22	2
10	64QAM	1	25	20.42	20.34	20.41		
10	64QAM	1	49	20.38	20.32	20.29		
10	64QAM	25	0	20.47	20.43	20.27	21	3
10	64QAM	25	12	20.41	20.24	20.36		
10	64QAM	25	25	20.27	20.20	20.17		
10	64QAM	50	0	20.30	20.32	20.24		
10	256QAM	1	0	17.16	17.20	17.20	19	5
10	256QAM	1	25	17.06	17.20	17.13		
10	256QAM	1	49	17.07	17.15	17.17		
10	256QAM	25	0	17.37	17.21	17.32	19	5
10	256QAM	25	12	17.10	17.13	17.30		
10	256QAM	25	25	17.34	17.14	17.31		
10	256QAM	50	0	17.25	17.20	17.22		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.22	22.21	22.14	24	0
5	QPSK	1	12	22.11	22.23	22.27		
5	QPSK	1	24	22.05	22.11	22.16		
5	QPSK	12	0	21.32	21.35	21.39	23	1
5	QPSK	12	7	21.13	21.13	21.06		
5	QPSK	12	13	21.27	21.22	21.28		
5	QPSK	25	0	21.29	21.32	21.30		
5	16QAM	1	0	21.65	21.55	21.69	23	1
5	16QAM	1	12	21.47	21.49	21.40		
5	16QAM	1	24	21.54	21.52	21.50		
5	16QAM	12	0	20.42	20.32	20.23	22	2
5	16QAM	12	7	20.08	20.09	20.15		
5	16QAM	12	13	20.28	20.22	20.15		
5	16QAM	25	0	20.20	20.14	20.17		
5	64QAM	1	0	20.43	20.43	20.38	22	2
5	64QAM	1	12	20.45	20.39	20.40		
5	64QAM	1	24	20.35	20.25	20.27		
5	64QAM	12	0	20.40	20.36	20.30	21	3
5	64QAM	12	7	20.36	20.31	20.34		
5	64QAM	12	13	20.27	20.21	20.20		
5	64QAM	25	0	20.23	20.31	20.27		
5	256QAM	1	0	17.12	17.17	17.13	19	5
5	256QAM	1	12	17.04	17.13	17.20		
5	256QAM	1	24	17.16	17.09	17.27		

5	256QAM	12	0	17.34	17.22	17.24	19	5
5	256QAM	12	7	17.15	17.14	17.34		
5	256QAM	12	13	17.28	17.22	17.28		
5	256QAM	25	0	17.21	17.25	17.23		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.16	22.29	22.08	24	0
3	QPSK	1	8	22.17	22.15	22.22		
3	QPSK	1	14	22.10	22.10	22.13		
3	QPSK	8	0	21.36	21.39	21.38	23	1
3	QPSK	8	4	21.09	21.16	21.04		
3	QPSK	8	7	21.30	21.21	21.32		
3	QPSK	15	0	21.33	21.36	21.25		
3	16QAM	1	0	21.66	21.56	21.60	23	1
3	16QAM	1	8	21.39	21.40	21.48		
3	16QAM	1	14	21.54	21.54	21.52		
3	16QAM	8	0	20.35	20.33	20.27	22	2
3	16QAM	8	4	20.06	20.11	20.21		
3	16QAM	8	7	20.30	20.24	20.15		
3	16QAM	15	0	20.24	20.15	20.18		
3	64QAM	1	0	20.48	20.39	20.27	22	2
3	64QAM	1	8	20.41	20.34	20.38		
3	64QAM	1	14	20.34	20.34	20.32		
3	64QAM	8	0	20.36	20.39	20.31	21	3
3	64QAM	8	4	20.37	20.29	20.31		
3	64QAM	8	7	20.23	20.22	20.18		
3	64QAM	15	0	20.25	20.24	20.24		
3	256QAM	1	0	17.17	17.19	17.17	19	5
3	256QAM	1	8	17.03	17.19	17.13		
3	256QAM	1	14	17.17	17.09	17.25		
3	256QAM	8	0	17.35	17.28	17.22	19	5
3	256QAM	8	4	17.19	17.23	17.35		
3	256QAM	8	7	17.26	17.24	17.36		
3	256QAM	15	0	17.23	17.18	17.22		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.15	22.22	22.15	24	0
1.4	QPSK	1	3	22.14	22.22	22.23		
1.4	QPSK	1	5	22.15	22.12	22.19		
1.4	QPSK	3	0	22.18	22.29	22.17		
1.4	QPSK	3	1	22.09	22.17	22.24		
1.4	QPSK	3	3	22.09	22.09	22.10		
1.4	QPSK	6	0	21.25	21.37	21.25	23	1
1.4	16QAM	1	0	21.58	21.54	21.64	23	1
1.4	16QAM	1	3	21.47	21.48	21.46		
1.4	16QAM	1	5	21.51	21.45	21.58		
1.4	16QAM	3	0	21.56	21.60	21.60		

1.4	16QAM	3	1	21.40	21.48	21.48		
1.4	16QAM	3	3	21.47	21.54	21.58		
1.4	16QAM	6	0	20.18	20.14	20.19	22	2
1.4	64QAM	1	0	20.42	20.44	20.37	22	2
1.4	64QAM	1	3	20.46	20.36	20.42		
1.4	64QAM	1	5	20.37	20.25	20.26		
1.4	64QAM	3	0	20.45	20.40	20.34		
1.4	64QAM	3	1	20.36	20.28	20.28		
1.4	64QAM	3	3	20.27	20.24	20.21		
1.4	64QAM	6	0	20.30	20.30	20.29	21	3
1.4	256QAM	1	0	17.17	17.15	17.21	19	5
1.4	256QAM	1	3	17.02	17.17	17.11		
1.4	256QAM	1	5	17.11	17.11	17.24		
1.4	256QAM	3	0	17.38	17.26	17.22		
1.4	256QAM	3	1	17.15	17.13	17.29		
1.4	256QAM	3	3	17.27	17.25	17.30		
1.4	256QAM	6	0	17.20	17.18	17.18	19	5

Band 71 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133297	133372		
Frequency (MHz)				673	680.5	688		
20	QPSK	1	0	21.96	21.99	21.94	23.5	0
20	QPSK	1	49	21.91	21.96	21.90		
20	QPSK	1	99	21.92	21.93	21.92		
20	QPSK	50	0	21.04	21.12	21.05	22.5	1
20	QPSK	50	24	20.88	20.86	20.81		
20	QPSK	50	50	21.03	21.05	21.00		
20	QPSK	100	0	21.08	21.15	21.10		
20	16QAM	1	0	21.33	21.41	21.42	22.5	1
20	16QAM	1	49	21.19	21.20	21.23		
20	16QAM	1	99	21.22	21.17	21.33		
20	16QAM	50	0	20.13	20.11	20.00	21.5	2
20	16QAM	50	24	19.85	19.88	19.87		
20	16QAM	50	50	20.05	20.04	19.93		
20	16QAM	100	0	19.91	19.96	19.87		
20	64QAM	1	0	20.18	20.05	20.00	21.5	2
20	64QAM	1	49	20.19	20.15	20.12		
20	64QAM	1	99	19.99	20.01	20.01		
20	64QAM	50	0	20.22	20.09	19.99	20.5	3
20	64QAM	50	24	20.02	20.05	20.10		
20	64QAM	50	50	19.94	19.99	19.97		
20	64QAM	100	0	20.01	20.06	20.10		
20	256QAM	1	0	16.89	16.92	16.96	18.5	5
20	256QAM	1	49	16.83	16.89	16.93		

20	256QAM	1	99	16.87	16.84	16.89	18.5	5
20	256QAM	50	0	16.99	17.09	16.92		
20	256QAM	50	24	16.88	16.92	17.02		
20	256QAM	50	50	17.04	17.05	17.14		
20	256QAM	100	0	16.90	16.91	16.89		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	21.83	21.84	21.85	23.5	0
15	QPSK	1	37	21.82	21.87	21.84		
15	QPSK	1	74	21.83	21.77	21.83		
15	QPSK	36	0	20.89	20.96	20.94	22.5	1
15	QPSK	36	20	20.76	20.76	20.70		
15	QPSK	36	39	20.98	20.96	20.93		
15	QPSK	75	0	20.94	20.99	20.97		
15	16QAM	1	0	21.24	21.36	21.36	22.5	1
15	16QAM	1	37	21.04	21.15	21.13		
15	16QAM	1	74	21.10	21.07	21.20		
15	16QAM	36	0	20.03	20.02	19.93	21.5	2
15	16QAM	36	20	19.77	19.79	19.79		
15	16QAM	36	39	19.95	19.94	19.87		
15	16QAM	75	0	19.86	19.92	19.77		
15	64QAM	1	0	20.09	19.89	19.94	21.5	2
15	64QAM	1	37	20.13	20.08	19.99		
15	64QAM	1	74	19.84	19.93	19.93		
15	64QAM	36	0	20.09	19.97	19.89	20.5	3
15	64QAM	36	20	19.96	19.95	20.00		
15	64QAM	36	39	19.81	19.87	19.87		
15	64QAM	75	0	19.90	19.96	19.96		
15	256QAM	1	0	16.80	16.84	16.89	18.5	5
15	256QAM	1	37	16.71	16.75	16.84		
15	256QAM	1	74	16.81	16.73	16.81		
15	256QAM	36	0	16.89	17.03	16.78	18.5	5
15	256QAM	36	20	16.84	16.83	16.97		
15	256QAM	36	39	16.91	16.94	17.02		
15	256QAM	75	0	16.78	16.82	16.78		
Channel				133172	133297	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	0	21.91	21.93	21.88	23.5	0
10	QPSK	1	25	21.79	21.91	21.79		
10	QPSK	1	49	21.83	21.85	21.83		
10	QPSK	25	0	20.88	20.98	20.98	22.5	1
10	QPSK	25	12	20.74	20.78	20.71		
10	QPSK	25	25	20.87	20.99	20.93		
10	QPSK	50	0	20.93	20.99	21.06		
10	16QAM	1	0	21.21	21.31	21.28	22.5	1
10	16QAM	1	25	21.15	21.14	21.19		
10	16QAM	1	49	21.17	21.08	21.28		

10	16QAM	25	0	20.02	20.00	19.85	21.5	2
10	16QAM	25	12	19.70	19.84	19.77		
10	16QAM	25	25	19.97	19.92	19.81		
10	16QAM	50	0	19.77	19.90	19.72		
10	64QAM	1	0	20.02	19.99	19.91	21.5	2
10	64QAM	1	25	20.06	20.01	19.96		
10	64QAM	1	49	19.88	19.87	19.88		
10	64QAM	25	0	20.16	20.04	19.87	20.5	3
10	64QAM	25	12	19.97	19.90	20.06		
10	64QAM	25	25	19.86	19.89	19.91		
10	64QAM	50	0	19.88	19.94	20.05		
10	256QAM	1	0	16.84	16.79	16.92	18.5	5
10	256QAM	1	25	16.77	16.83	16.86		
10	256QAM	1	49	16.76	16.68	16.74		
10	256QAM	25	0	16.90	16.93	16.86	18.5	5
10	256QAM	25	12	16.75	16.82	16.87		
10	256QAM	25	25	16.92	16.89	17.00		
10	256QAM	50	0	16.86	16.84	16.74		
Channel				133147	133297	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	0	21.81	21.92	21.83	23.5	0
5	QPSK	1	12	21.81	21.84	21.82		
5	QPSK	1	24	21.81	21.82	21.76		
5	QPSK	12	0	20.91	21.07	20.96	22.5	1
5	QPSK	12	7	20.73	20.78	20.68		
5	QPSK	12	13	20.93	20.99	20.90		
5	QPSK	25	0	21.03	21.09	20.96		
5	16QAM	1	0	21.26	21.26	21.34	22.5	1
5	16QAM	1	12	21.08	21.12	21.15		
5	16QAM	1	24	21.07	21.09	21.22		
5	16QAM	12	0	20.09	19.97	19.85	21.5	2
5	16QAM	12	7	19.73	19.79	19.75		
5	16QAM	12	13	19.91	19.88	19.85		
5	16QAM	25	0	19.84	19.91	19.73		
5	64QAM	1	0	20.12	19.91	19.87	21.5	2
5	64QAM	1	12	20.10	20.00	20.05		
5	64QAM	1	24	19.85	19.92	19.94		
5	64QAM	12	0	20.06	20.00	19.86	20.5	3
5	64QAM	12	7	19.86	20.00	20.02		
5	64QAM	12	13	19.80	19.87	19.88		
5	64QAM	25	0	19.88	19.93	19.96		
5	256QAM	1	0	16.83	16.83	16.85	18.5	5
5	256QAM	1	12	16.73	16.83	16.88		
5	256QAM	1	24	16.74	16.73	16.78		
5	256QAM	12	0	16.90	17.01	16.78	18.5	5
5	256QAM	12	7	16.81	16.81	16.91		
5	256QAM	12	13	16.90	16.89	17.06		



5	256QAM	25	0	16.77	16.76	16.82		

Band 2 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.83	20.94	20.85	21.7	0
20	QPSK	1	49	20.81	20.93	20.93		
20	QPSK	1	99	20.88	20.90	20.84		
20	QPSK	50	0	20.80	20.88	20.80	21.7	0
20	QPSK	50	24	20.72	20.86	20.84		
20	QPSK	50	50	20.80	20.76	20.76		
20	QPSK	100	0	20.80	20.83	20.80		
20	16QAM	1	0	20.80	20.85	20.74	21.7	0
20	16QAM	1	49	20.78	20.85	20.87		
20	16QAM	1	99	20.78	20.84	20.80		
20	16QAM	50	0	20.74	20.89	20.82	21.7	0
20	16QAM	50	24	20.78	20.87	20.89		
20	16QAM	50	50	20.83	20.85	20.81		
20	16QAM	100	0	20.77	20.86	20.78		
20	64QAM	1	0	20.79	20.91	20.76	21.7	0
20	64QAM	1	49	20.73	20.83	20.91		
20	64QAM	1	99	20.79	20.83	20.81		
20	64QAM	50	0	20.80	20.72	20.66	21.7	0
20	64QAM	50	24	20.79	20.69	20.70		
20	64QAM	50	50	20.84	20.77	20.74		
20	64QAM	100	0	20.64	20.73	20.78		
20	256QAM	1	0	18.63	18.54	18.59	20	1.7
20	256QAM	1	49	18.64	18.59	18.60		
20	256QAM	1	99	18.57	18.56	18.63		
20	256QAM	50	0	18.68	18.58	18.63	20	1.7
20	256QAM	50	24	18.57	18.51	18.51		
20	256QAM	50	50	18.55	18.57	18.64		
20	256QAM	100	0	18.69	18.69	18.66		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.80	20.89	20.76	21.7	0
15	QPSK	1	37	20.78	20.84	20.86		
15	QPSK	1	74	20.79	20.87	20.76		
15	QPSK	36	0	20.70	20.82	20.76	21.7	0
15	QPSK	36	20	20.68	20.84	20.82		
15	QPSK	36	39	20.75	20.72	20.67		
15	QPSK	75	0	20.72	20.77	20.73		
15	16QAM	1	0	20.75	20.79	20.69	21.7	0
15	16QAM	1	37	20.74	20.76	20.82		
15	16QAM	1	74	20.69	20.78	20.75		

15	16QAM	36	0	20.70	20.85	20.79	21.7	0
15	16QAM	36	20	20.72	20.81	20.87		
15	16QAM	36	39	20.78	20.75	20.76		
15	16QAM	75	0	20.75	20.83	20.68	21.7	0
15	64QAM	1	0	20.75	20.86	20.73		
15	64QAM	1	37	20.70	20.81	20.86		
15	64QAM	1	74	20.77	20.75	20.78	21.7	0
15	64QAM	36	0	20.32	20.49	20.50		
15	64QAM	36	20	20.62	20.63	20.58		
15	64QAM	36	39	20.43	20.52	20.38	21.7	0
15	64QAM	75	0	20.43	20.49	20.44		
15	256QAM	1	0	18.57	18.38	18.42		
15	256QAM	1	37	18.57	18.41	18.42	20	1.7
15	256QAM	1	74	18.46	18.53	18.60		
15	256QAM	36	0	18.53	18.45	18.58		
15	256QAM	36	20	18.54	18.35	18.45	20	1.7
15	256QAM	36	39	18.45	18.44	18.46		
15	256QAM	75	0	18.58	18.55	18.56		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.79	20.86	20.82	21.7	0
10	QPSK	1	25	20.77	20.84	20.90		
10	QPSK	1	49	20.85	20.82	20.80		
10	QPSK	25	0	20.75	20.83	20.72	21.7	0
10	QPSK	25	12	20.62	20.82	20.77		
10	QPSK	25	25	20.73	20.72	20.73		
10	QPSK	50	0	20.71	20.80	20.73	21.7	0
10	16QAM	1	0	20.75	20.77	20.69		
10	16QAM	1	25	20.75	20.79	20.79		
10	16QAM	1	49	20.73	20.81	20.76	21.7	0
10	16QAM	25	0	20.70	20.80	20.77		
10	16QAM	25	12	20.70	20.83	20.82		
10	16QAM	25	25	20.77	20.78	20.78	21.7	0
10	16QAM	50	0	20.74	20.78	20.70		
10	64QAM	1	0	20.69	20.86	20.67		
10	64QAM	1	25	20.70	20.79	20.88	21.7	0
10	64QAM	1	49	20.70	20.73	20.72		
10	64QAM	25	0	20.33	20.46	20.55		
10	64QAM	25	12	20.51	20.60	20.57	21.7	0
10	64QAM	25	25	20.45	20.45	20.37		
10	64QAM	50	0	20.49	20.41	20.44		
10	256QAM	1	0	18.47	18.49	18.43	20	1.7
10	256QAM	1	25	18.62	18.47	18.57		
10	256QAM	1	49	18.48	18.47	18.56		
10	256QAM	25	0	18.61	18.50	18.61	20	1.7
10	256QAM	25	12	18.51	18.45	18.48		
10	256QAM	25	25	18.38	18.51	18.55		

10	256QAM	50	0	18.58	18.53	18.49		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.79	20.90	20.79	21.7	0
5	QPSK	1	12	20.73	20.90	20.90		
5	QPSK	1	24	20.84	20.86	20.81		
5	QPSK	12	0	20.70	20.81	20.76	21.7	0
5	QPSK	12	7	20.67	20.84	20.80		
5	QPSK	12	13	20.71	20.71	20.72		
5	QPSK	25	0	20.71	20.77	20.74	21.7	0
5	16QAM	1	0	20.72	20.83	20.66		
5	16QAM	1	12	20.76	20.80	20.80		
5	16QAM	1	24	20.72	20.78	20.74	21.7	0
5	16QAM	12	0	20.68	20.83	20.77		
5	16QAM	12	7	20.72	20.81	20.79		
5	16QAM	12	13	20.73	20.75	20.78	21.7	0
5	16QAM	25	0	20.68	20.78	20.74		
5	64QAM	1	0	20.73	20.88	20.69		
5	64QAM	1	12	20.66	20.81	20.86	21.7	0
5	64QAM	1	24	20.73	20.77	20.73		
5	64QAM	12	0	20.37	20.43	20.45		
5	64QAM	12	7	20.56	20.61	20.58	21.7	0
5	64QAM	12	13	20.53	20.54	20.48		
5	64QAM	25	0	20.34	20.39	20.38		
5	256QAM	1	0	18.48	18.44	18.51	20	1.7
5	256QAM	1	12	18.51	18.44	18.54		
5	256QAM	1	24	18.50	18.47	18.50		
5	256QAM	12	0	18.65	18.49	18.51	20	1.7
5	256QAM	12	7	18.49	18.40	18.41		
5	256QAM	12	13	18.48	18.50	18.50		
5	256QAM	25	0	18.58	18.59	18.52	Channel	Tune-up limit (dBm)
Channel				18615	18900	19185		
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	20.75	20.88	20.82		
3	QPSK	1	8	20.78	20.83	20.87	21.7	0
3	QPSK	1	14	20.86	20.85	20.81		
3	QPSK	8	0	20.74	20.79	20.72		
3	QPSK	8	4	20.63	20.80	20.77	21.7	0
3	QPSK	8	7	20.76	20.68	20.73		
3	QPSK	15	0	20.75	20.76	20.77		
3	16QAM	1	0	20.78	20.83	20.71	21.7	0
3	16QAM	1	8	20.76	20.79	20.77		
3	16QAM	1	14	20.69	20.79	20.78		
3	16QAM	8	0	20.70	20.86	20.73	21.7	0
3	16QAM	8	4	20.70	20.84	20.80		
3	16QAM	8	7	20.78	20.78	20.78		
3	16QAM	15	0	20.70	20.83	20.69		

3	64QAM	1	0	20.76	20.81	20.71	21.7	0
3	64QAM	1	8	20.68	20.74	20.86		
3	64QAM	1	14	20.76	20.77	20.75		
3	64QAM	8	0	20.31	20.40	20.55	21.7	0
3	64QAM	8	4	20.60	20.67	20.59		
3	64QAM	8	7	20.54	20.41	20.44		
3	64QAM	15	0	20.43	20.40	20.51		
3	256QAM	1	0	18.49	18.44	18.43	20	1.7
3	256QAM	1	8	18.49	18.55	18.51		
3	256QAM	1	14	18.48	18.53	18.50		
3	256QAM	8	0	18.62	18.42	18.57	20	1.7
3	256QAM	8	4	18.46	18.49	18.35		
3	256QAM	8	7	18.51	18.51	18.51		
3	256QAM	15	0	18.62	18.64	18.54		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.80	20.85	20.77	21.7	0
1.4	QPSK	1	3	20.74	20.84	20.90		
1.4	QPSK	1	5	20.85	20.87	20.78		
1.4	QPSK	3	0	20.77	20.88	20.79		
1.4	QPSK	3	1	20.77	20.89	20.78		
1.4	QPSK	3	3	20.76	20.84	20.87		
1.4	QPSK	6	0	20.79	20.85	20.77	21.7	0
1.4	16QAM	1	0	20.78	20.83	20.72	21.7	0
1.4	16QAM	1	3	20.63	20.77	20.77		
1.4	16QAM	1	5	20.72	20.71	20.66		
1.4	16QAM	3	0	20.71	20.73	20.77		
1.4	16QAM	3	1	20.70	20.76	20.71		
1.4	16QAM	3	3	20.73	20.77	20.80		
1.4	16QAM	6	0	20.74	20.74	20.75	21.7	0
1.4	64QAM	1	0	20.70	20.82	20.72	21.7	0
1.4	64QAM	1	3	20.73	20.83	20.81		
1.4	64QAM	1	5	20.73	20.78	20.78		
1.4	64QAM	3	0	20.72	20.78	20.72		
1.4	64QAM	3	1	20.75	20.88	20.73		
1.4	64QAM	3	3	20.63	20.78	20.89		
1.4	64QAM	6	0	20.75	20.73	20.75	21.7	0
1.4	256QAM	1	0	18.60	18.47	18.48	20	1.7
1.4	256QAM	1	3	18.56	18.41	18.46		
1.4	256QAM	1	5	18.52	18.48	18.48		
1.4	256QAM	3	0	18.62	18.42	18.50		
1.4	256QAM	3	1	18.42	18.39	18.37		
1.4	256QAM	3	3	18.51	18.52	18.51		
1.4	256QAM	6	0	18.55	18.58	18.60	20	1.7

Band 4 Ant2 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.20	21.41	21.22	22.1	0
20	QPSK	1	49	21.19	21.24	21.29		
20	QPSK	1	99	21.29	21.36	21.18		
20	QPSK	50	0	21.00	21.13	21.04	22.1	0
20	QPSK	50	24	20.99	21.08	21.06		
20	QPSK	50	50	20.99	20.94	21.04		
20	QPSK	100	0	20.95	21.01	20.91	22.1	0
20	16QAM	1	0	20.52	20.64	20.41		
20	16QAM	1	49	20.56	20.50	20.43		
20	16QAM	1	99	20.32	20.53	20.29	22.1	0
20	16QAM	50	0	21.22	21.42	21.15		
20	16QAM	50	24	21.17	21.25	21.30		
20	16QAM	50	50	21.23	21.31	21.17	22.1	0
20	16QAM	100	0	21.25	21.33	21.19		
20	64QAM	1	0	21.25	21.42	21.16		
20	64QAM	1	49	21.10	21.17	21.22	22.1	0
20	64QAM	1	99	21.28	21.31	21.23		
20	64QAM	50	0	20.68	20.59	20.51		
20	64QAM	50	24	20.64	20.63	20.62	22	0.1
20	64QAM	50	50	20.46	20.55	20.64		
20	64QAM	100	0	20.75	20.71	20.75		
20	256QAM	1	0	18.73	18.73	18.75	20	2.1
20	256QAM	1	49	18.54	18.55	18.54		
20	256QAM	1	99	18.69	18.73	18.81		
20	256QAM	50	0	18.59	18.49	18.51	20	2.1
20	256QAM	50	24	18.52	18.51	18.61		
20	256QAM	50	50	18.80	18.70	18.60		
20	256QAM	100	0	18.54	18.52	18.54		
Channel				20025	20175	20325		
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.16	21.38	21.14	22.1	0
15	QPSK	1	37	21.14	21.13	21.25		
15	QPSK	1	74	21.25	21.33	21.12		
15	QPSK	36	0	20.97	21.07	21.01	22.1	0
15	QPSK	36	20	20.89	20.98	20.95		
15	QPSK	36	39	20.88	20.85	21.01		
15	QPSK	75	0	20.88	20.97	20.81	22.1	0
15	16QAM	1	0	20.40	20.55	20.32		
15	16QAM	1	37	20.43	20.47	20.35		
15	16QAM	1	74	20.29	20.46	20.17	22.1	0
15	16QAM	36	0	21.11	21.35	21.09		
15	16QAM	36	20	21.08	21.15	21.18		
15	16QAM	36	39	21.20	21.18	21.05		



15	16QAM	75	0	21.14	21.29	21.08		
15	64QAM	1	0	21.22	21.28	21.11	22.1	0
15	64QAM	1	37	20.97	21.09	21.08		
15	64QAM	1	74	21.16	21.21	21.21		
15	64QAM	36	0	20.52	20.52	20.48	22	0.1
15	64QAM	36	20	20.55	20.56	20.54		
15	64QAM	36	39	20.39	20.41	20.61		
15	64QAM	75	0	20.64	20.57	20.64		
15	256QAM	1	0	18.65	18.56	18.69	20	2.1
15	256QAM	1	37	18.52	18.52	18.47		
15	256QAM	1	74	18.59	18.57	18.71		
15	256QAM	36	0	18.53	18.36	18.35	20	2.1
15	256QAM	36	20	18.38	18.44	18.53		
15	256QAM	36	39	18.69	18.54	18.42		
15	256QAM	75	0	18.37	18.43	18.43		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.11	21.37	21.10	22.1	0
10	QPSK	1	25	21.12	21.14	21.19		
10	QPSK	1	49	21.20	21.27	21.05		
10	QPSK	25	0	20.88	21.04	20.98	22.1	0
10	QPSK	25	12	20.89	21.03	21.00		
10	QPSK	25	25	20.91	20.88	21.01		
10	QPSK	50	0	20.87	20.90	20.84		
10	16QAM	1	0	20.44	20.54	20.30	22.1	0
10	16QAM	1	25	20.52	20.47	20.30		
10	16QAM	1	49	20.26	20.44	20.25		
10	16QAM	25	0	21.11	21.35	21.04	22.1	0
10	16QAM	25	12	21.07	21.12	21.25		
10	16QAM	25	25	21.10	21.22	21.04		
10	16QAM	50	0	21.15	21.23	21.08		
10	64QAM	1	0	21.21	21.30	21.12	22.1	0
10	64QAM	1	25	20.97	21.06	21.19		
10	64QAM	1	49	21.18	21.19	21.10		
10	64QAM	25	0	20.52	20.48	20.41	22	0.1
10	64QAM	25	12	20.53	20.60	20.45		
10	64QAM	25	25	20.29	20.49	20.46		
10	64QAM	50	0	20.72	20.54	20.69		
10	256QAM	1	0	18.69	18.58	18.59	20	2.1
10	256QAM	1	25	18.51	18.51	18.42		
10	256QAM	1	49	18.54	18.65	18.63		
10	256QAM	25	0	18.45	18.35	18.38	20	2.1
10	256QAM	25	12	18.36	18.43	18.58		
10	256QAM	25	25	18.68	18.54	18.54		
10	256QAM	50	0	18.50	18.47	18.38		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		

5	QPSK	1	0	21.11	21.27	21.09	22.1	0
5	QPSK	1	12	21.06	21.19	21.16		
5	QPSK	1	24	21.26	21.31	21.06		
5	QPSK	12	0	20.94	21.03	20.97	22.1	0
5	QPSK	12	7	20.96	21.03	20.98		
5	QPSK	12	13	20.93	20.82	20.92		
5	QPSK	25	0	20.92	20.96	20.84		
5	16QAM	1	0	20.41	20.54	20.35	22.1	0
5	16QAM	1	12	20.49	20.42	20.36		
5	16QAM	1	24	20.28	20.47	20.15		
5	16QAM	12	0	21.11	21.30	21.05	22.1	0
5	16QAM	12	7	21.06	21.13	21.27		
5	16QAM	12	13	21.13	21.27	21.06		
5	16QAM	25	0	21.18	21.27	21.06		
5	64QAM	1	0	21.12	21.37	21.13	22.1	0
5	64QAM	1	12	20.98	21.07	21.13		
5	64QAM	1	24	21.25	21.18	21.12		
5	64QAM	12	0	20.61	20.41	20.42	22	0.1
5	64QAM	12	7	20.46	20.48	20.52		
5	64QAM	12	13	20.29	20.53	20.51		
5	64QAM	25	0	20.57	20.55	20.65		
5	256QAM	1	0	18.68	18.61	18.59	20	2.1
5	256QAM	1	12	18.49	18.45	18.47		
5	256QAM	1	24	18.57	18.67	18.64		
5	256QAM	12	0	18.54	18.44	18.40	20	2.1
5	256QAM	12	7	18.40	18.41	18.58		
5	256QAM	12	13	18.62	18.63	18.44		
5	256QAM	25	0	18.37	18.48	18.48		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.13	21.31	21.17	22.1	0
3	QPSK	1	8	21.08	21.20	21.23		
3	QPSK	1	14	21.26	21.29	21.15		
3	QPSK	8	0	20.95	21.05	20.91	22.1	0
3	QPSK	8	4	20.87	20.98	20.96		
3	QPSK	8	7	20.86	20.90	20.97		
3	QPSK	15	0	20.91	20.89	20.80		
3	16QAM	1	0	20.49	20.56	20.31	22.1	0
3	16QAM	1	8	20.49	20.44	20.35		
3	16QAM	1	14	20.22	20.44	20.19		
3	16QAM	8	0	21.14	21.38	21.05	22.1	0
3	16QAM	8	4	21.07	21.17	21.27		
3	16QAM	8	7	21.16	21.18	21.09		
3	16QAM	15	0	21.23	21.24	21.12		
3	64QAM	1	0	21.22	21.31	21.14	22.1	0
3	64QAM	1	8	21.04	21.13	21.12		
3	64QAM	1	14	21.26	21.18	21.10		

3	64QAM	8	0	20.55	20.45	20.45	22	0.1
3	64QAM	8	4	20.55	20.46	20.58		
3	64QAM	8	7	20.41	20.53	20.57		
3	64QAM	15	0	20.68	20.58	20.68		
3	256QAM	1	0	18.68	18.64	18.57	20	2.1
3	256QAM	1	8	18.40	18.51	18.37		
3	256QAM	1	14	18.62	18.67	18.74		
3	256QAM	8	0	18.44	18.42	18.34	20	2.1
3	256QAM	8	4	18.43	18.42	18.46		
3	256QAM	8	7	18.65	18.61	18.53		
3	256QAM	15	0	18.42	18.47	18.37		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.18	21.36	21.13	22.1	0
1.4	QPSK	1	3	21.08	21.22	21.22		
1.4	QPSK	1	5	21.17	21.27	21.05		
1.4	QPSK	3	0	20.87	21.04	20.90		
1.4	QPSK	3	1	20.96	20.99	20.97		
1.4	QPSK	3	3	20.89	20.87	20.96		
1.4	QPSK	6	0	20.90	20.94	20.88	22.1	0
1.4	16QAM	1	0	20.42	20.52	20.37	22.1	0
1.4	16QAM	1	3	20.47	20.47	20.32		
1.4	16QAM	1	5	20.20	20.48	20.18		
1.4	16QAM	3	0	21.14	21.39	21.02		
1.4	16QAM	3	1	21.07	21.15	21.20		
1.4	16QAM	3	3	21.12	21.27	21.06		
1.4	16QAM	6	0	21.21	21.30	21.15	21.5	0.6
1.4	64QAM	1	0	21.12	21.38	21.08	21.5	0.6
1.4	64QAM	1	3	20.98	21.07	21.11		
1.4	64QAM	1	5	21.11	21.28	21.18		
1.4	64QAM	3	0	21.07	21.29	21.16		
1.4	64QAM	3	1	21.11	21.28	21.17		
1.4	64QAM	3	3	21.29	21.28	21.17		
1.4	64QAM	6	0	20.54	20.42	20.48	22	0.1
1.4	256QAM	1	0	18.70	18.63	18.58	20	2.1
1.4	256QAM	1	3	18.45	18.46	18.49		
1.4	256QAM	1	5	18.64	18.59	18.64		
1.4	256QAM	3	0	18.48	18.43	18.35		
1.4	256QAM	3	1	18.38	18.38	18.43		
1.4	256QAM	3	3	18.74	18.62	18.43		
1.4	256QAM	6	0	18.47	18.44	18.49	20	2.1

Band 25 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		

20	QPSK	1	0	20.87	21.03	20.98	21.7	0
20	QPSK	1	49	20.87	20.91	20.97		
20	QPSK	1	99	20.88	20.91	20.94		
20	QPSK	50	0	20.73	20.96	20.91	21.7	0
20	QPSK	50	24	20.81	20.79	20.85		
20	QPSK	50	50	20.79	20.87	20.89		
20	QPSK	100	0	20.77	20.98	20.90		
20	16QAM	1	0	20.78	20.94	20.87	21.7	0
20	16QAM	1	49	20.81	20.88	20.95		
20	16QAM	1	99	20.85	20.81	20.84		
20	16QAM	50	0	20.83	20.97	20.92	21.7	0
20	16QAM	50	24	20.85	20.87	20.87		
20	16QAM	50	50	20.80	20.81	20.89		
20	16QAM	100	0	20.84	20.95	20.94		
20	64QAM	1	0	20.82	20.98	20.94	21.7	0
20	64QAM	1	49	20.82	20.88	20.88		
20	64QAM	1	99	20.85	20.89	20.87		
20	64QAM	50	0	20.80	20.72	20.66	21.7	0
20	64QAM	50	24	20.79	20.69	20.70		
20	64QAM	50	50	20.84	20.77	20.74		
20	64QAM	100	0	20.64	20.73	20.78		
20	256QAM	1	0	18.79	18.87	18.82	20	1.7
20	256QAM	1	49	18.71	18.74	18.78		
20	256QAM	1	99	18.61	18.68	18.77		
20	256QAM	50	0	18.64	18.63	18.61	20	1.7
20	256QAM	50	24	18.60	18.67	18.76		
20	256QAM	50	50	18.56	18.53	18.43		
20	256QAM	100	0	18.70	18.70	18.79		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	20.82	20.96	20.88	21.7	0
15	QPSK	1	37	20.84	20.84	20.92		
15	QPSK	1	74	20.83	20.89	20.86		
15	QPSK	36	0	20.65	20.88	20.84	21.7	0
15	QPSK	36	20	20.78	20.70	20.81		
15	QPSK	36	39	20.71	20.78	20.87		
15	QPSK	75	0	20.69	20.89	20.88		
15	16QAM	1	0	20.75	20.91	20.83	21.7	0
15	16QAM	1	37	20.77	20.84	20.87		
15	16QAM	1	74	20.79	20.74	20.75		
15	16QAM	36	0	20.77	20.92	20.89	21.7	0
15	16QAM	36	20	20.77	20.81	20.78		
15	16QAM	36	39	20.77	20.74	20.83		
15	16QAM	75	0	20.79	20.88	20.85		
15	64QAM	1	0	20.75	20.95	20.87	21.7	0
15	64QAM	1	37	20.80	20.81	20.85		
15	64QAM	1	74	20.80	20.86	20.85		

15	64QAM	36	0	20.64	20.58	20.58	21.7	0
15	64QAM	36	20	20.66	20.65	20.64		
15	64QAM	36	39	20.70	20.73	20.59		
15	64QAM	75	0	20.58	20.57	20.75		
15	256QAM	1	0	18.65	18.78	18.79	20	1.7
15	256QAM	1	37	18.67	18.60	18.66		
15	256QAM	1	74	18.49	18.56	18.70		
15	256QAM	36	0	18.59	18.58	18.54	20	1.7
15	256QAM	36	20	18.53	18.57	18.65		
15	256QAM	36	39	18.40	18.40	18.32		
15	256QAM	75	0	18.57	18.67	18.70		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	20.79	20.96	20.95	21.7	0
10	QPSK	1	25	20.82	20.81	20.90		
10	QPSK	1	49	20.81	20.85	20.87		
10	QPSK	25	0	20.64	20.89	20.83	21.7	0
10	QPSK	25	12	20.74	20.77	20.81		
10	QPSK	25	25	20.73	20.82	20.80		
10	QPSK	50	0	20.71	20.89	20.81		
10	16QAM	1	0	20.73	20.88	20.85	21.7	0
10	16QAM	1	25	20.72	20.79	20.92		
10	16QAM	1	49	20.82	20.76	20.76		
10	16QAM	25	0	20.75	20.93	20.88	21.7	0
10	16QAM	25	12	20.80	20.77	20.82		
10	16QAM	25	25	20.77	20.76	20.85		
10	16QAM	50	0	20.80	20.89	20.90		
10	64QAM	1	0	20.79	20.92	20.90	21.7	0
10	64QAM	1	25	20.79	20.81	20.83		
10	64QAM	1	49	20.76	20.83	20.79		
10	64QAM	25	0	20.78	20.58	20.63	21.7	0
10	64QAM	25	12	20.68	20.52	20.61		
10	64QAM	25	25	20.74	20.60	20.69		
10	64QAM	50	0	20.59	20.60	20.63		
10	256QAM	1	0	18.69	18.81	18.76	20	1.7
10	256QAM	1	25	18.66	18.58	18.74		
10	256QAM	1	49	18.45	18.63	18.69		
10	256QAM	25	0	18.61	18.59	18.52	20	1.7
10	256QAM	25	12	18.54	18.59	18.65		
10	256QAM	25	25	18.45	18.40	18.38		
10	256QAM	50	0	18.61	18.57	18.71		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	20.77	20.95	20.89	21.7	0
5	QPSK	1	12	20.84	20.87	20.87		
5	QPSK	1	24	20.79	20.89	20.90		
5	QPSK	12	0	20.70	20.91	20.85	21.7	0

5	QPSK	12	7	20.78	20.76	20.79		
5	QPSK	12	13	20.76	20.78	20.79		
5	QPSK	25	0	20.71	20.95	20.86		
5	16QAM	1	0	20.68	20.89	20.78	21.7	0
5	16QAM	1	12	20.74	20.81	20.87		
5	16QAM	1	24	20.83	20.78	20.82		
5	16QAM	12	0	20.76	20.94	20.85	21.7	0
5	16QAM	12	7	20.76	20.78	20.83		
5	16QAM	12	13	20.71	20.74	20.79		
5	16QAM	25	0	20.74	20.92	20.88		
5	64QAM	1	0	20.78	20.93	20.90	21.7	0
5	64QAM	1	12	20.78	20.84	20.82		
5	64QAM	1	24	20.76	20.83	20.83		
5	64QAM	12	0	20.71	20.59	20.51	21.7	0
5	64QAM	12	7	20.64	20.64	20.63		
5	64QAM	12	13	20.68	20.75	20.68		
5	64QAM	25	0	20.53	20.68	20.70		
5	256QAM	1	0	18.67	18.83	18.68	20	1.7
5	256QAM	1	12	18.65	18.69	18.63		
5	256QAM	1	24	18.49	18.53	18.67		
5	256QAM	12	0	18.47	18.46	18.52	20	1.7
5	256QAM	12	7	18.46	18.61	18.66		
5	256QAM	12	13	18.53	18.35	18.26		
5	256QAM	25	0	18.62	18.52	18.62		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	20.80	21.00	20.89	21.7	0
3	QPSK	1	8	20.80	20.88	20.88		
3	QPSK	1	14	20.83	20.87	20.90		
3	QPSK	8	0	20.65	20.90	20.83	21.7	0
3	QPSK	8	4	20.76	20.74	20.79		
3	QPSK	8	7	20.76	20.83	20.80		
3	QPSK	15	0	20.70	20.93	20.85		
3	16QAM	1	0	20.72	20.86	20.83	21.7	0
3	16QAM	1	8	20.75	20.80	20.89		
3	16QAM	1	14	20.77	20.78	20.74		
3	16QAM	8	0	20.80	20.89	20.84	21.7	0
3	16QAM	8	4	20.83	20.82	20.85		
3	16QAM	8	7	20.70	20.74	20.85		
3	16QAM	15	0	20.80	20.92	20.89		
3	64QAM	1	0	20.79	20.93	20.90	21.7	0
3	64QAM	1	8	20.73	20.86	20.78		
3	64QAM	1	14	20.78	20.79	20.83		
3	64QAM	8	0	20.64	20.55	20.55	21.7	0
3	64QAM	8	4	20.74	20.64	20.66		
3	64QAM	8	7	20.74	20.67	20.58		
3	64QAM	15	0	20.51	20.67	20.62		

3	256QAM	1	0	18.65	18.81	18.69	20	1.7
3	256QAM	1	8	18.60	18.56	18.64		
3	256QAM	1	14	18.51	18.53	18.70		
3	256QAM	8	0	18.49	18.49	18.52	20	1.7
3	256QAM	8	4	18.52	18.50	18.72		
3	256QAM	8	7	18.46	18.50	18.25		
3	256QAM	15	0	18.58	18.57	18.63		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	20.78	20.97	20.88	21.7	0
1.4	QPSK	1	3	20.83	20.82	20.91		
1.4	QPSK	1	5	20.81	20.82	20.89		
1.4	QPSK	3	0	20.66	20.89	20.88		
1.4	QPSK	3	1	20.80	20.99	20.95		
1.4	QPSK	3	3	20.84	20.83	20.94		
1.4	QPSK	6	0	20.80	20.86	20.89	21.7	0
1.4	16QAM	1	0	20.67	20.87	20.83	21.7	0
1.4	16QAM	1	3	20.76	20.74	20.83		
1.4	16QAM	1	5	20.71	20.83	20.85		
1.4	16QAM	3	0	20.69	20.95	20.88		
1.4	16QAM	3	1	20.71	20.91	20.81		
1.4	16QAM	3	3	20.73	20.84	20.89		
1.4	16QAM	6	0	20.80	20.73	20.81	21.7	0
1.4	64QAM	1	0	20.73	20.94	20.89	21.7	0
1.4	64QAM	1	3	20.82	20.79	20.81		
1.4	64QAM	1	5	20.76	20.74	20.81		
1.4	64QAM	3	0	20.82	20.90	20.89		
1.4	64QAM	3	1	20.78	20.91	20.88		
1.4	64QAM	3	3	20.76	20.83	20.83		
1.4	64QAM	6	0	20.79	20.81	20.78	21.7	0
1.4	256QAM	1	0	18.67	18.85	18.79	20	1.7
1.4	256QAM	1	3	18.67	18.60	18.74		
1.4	256QAM	1	5	18.50	18.55	18.72		
1.4	256QAM	3	0	18.51	18.46	18.47		
1.4	256QAM	3	1	18.54	18.58	18.73		
1.4	256QAM	3	3	18.50	18.41	18.26		
1.4	256QAM	6	0	18.53	18.55	18.75	20	1.7

Band 66 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.29	21.45	21.28	22.1	0
20	QPSK	1	49	21.23	21.28	21.34		
20	QPSK	1	99	21.36	21.43	21.26		
20	QPSK	50	0	21.06	21.15	21.07	22.1	0

20	QPSK	50	24	21.07	21.14	21.14		
20	QPSK	50	50	21.03	21.00	21.06		
20	QPSK	100	0	21.02	21.11	21.00		
20	16QAM	1	0	20.58	20.73	20.44	22.1	0
20	16QAM	1	49	20.63	20.59	20.48		
20	16QAM	1	99	20.37	20.57	20.36		
20	16QAM	50	0	21.24	21.31	21.21	22.1	0
20	16QAM	50	24	21.16	21.35	21.16		
20	16QAM	50	50	21.12	21.20	21.26		
20	16QAM	100	0	21.32	21.30	21.20	22.1	0
20	64QAM	1	0	21.22	21.35	21.24		
20	64QAM	1	49	21.14	21.20	21.25		
20	64QAM	1	99	21.23	21.32	21.20	22	0.1
20	64QAM	50	0	20.78	20.72	20.66		
20	64QAM	50	24	20.79	20.74	20.66		
20	64QAM	50	50	20.42	20.52	20.59	20	2.1
20	64QAM	100	0	20.62	20.68	20.66		
20	256QAM	1	0	18.49	18.54	18.46		
20	256QAM	1	49	18.69	18.61	18.61	20	2.1
20	256QAM	1	99	18.52	18.44	18.35		
20	256QAM	50	0	18.60	18.53	18.48		
20	256QAM	50	24	18.65	18.62	18.70	20	2.1
20	256QAM	50	50	18.53	18.62	18.64		
20	256QAM	100	0	18.53	18.58	18.54		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.21	21.42	21.24	22.1	0
15	QPSK	1	37	21.17	21.22	21.23		
15	QPSK	1	74	21.26	21.37	21.13		
15	QPSK	36	0	20.97	21.04	21.01	22.1	0
15	QPSK	36	20	20.94	21.03	21.04		
15	QPSK	36	39	20.98	20.87	20.96		
15	QPSK	75	0	20.90	21.03	20.96	22.1	0
15	16QAM	1	0	20.47	20.66	20.38		
15	16QAM	1	37	20.52	20.49	20.46		
15	16QAM	1	74	20.30	20.50	20.29	22.1	0
15	16QAM	36	0	21.11	21.28	21.18		
15	16QAM	36	20	21.08	21.22	21.08		
15	16QAM	36	39	20.98	21.10	21.21	22.1	0
15	16QAM	75	0	21.22	21.28	21.06		
15	64QAM	1	0	21.12	21.33	21.21		
15	64QAM	1	37	21.04	21.12	21.22	22	0.1
15	64QAM	1	74	21.13	21.24	21.17		
15	64QAM	36	0	20.71	20.69	20.60		
15	64QAM	36	20	20.74	20.68	20.63	22	0.1
15	64QAM	36	39	20.24	20.39	20.54		
15	64QAM	75	0	20.45	20.59	20.64		

15	256QAM	1	0	18.45	18.45	18.41	20	2.1
15	256QAM	1	37	18.63	18.52	18.47		
15	256QAM	1	74	18.45	18.37	18.27		
15	256QAM	36	0	18.57	18.39	18.40	20	2.1
15	256QAM	36	20	18.54	18.59	18.58		
15	256QAM	36	39	18.39	18.53	18.57		
15	256QAM	75	0	18.43	18.55	18.43		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.17	21.37	21.20	22.1	0
10	QPSK	1	25	21.19	21.22	21.29		
10	QPSK	1	49	21.27	21.36	21.21		
10	QPSK	25	0	20.97	21.11	20.96	22.1	0
10	QPSK	25	12	20.93	21.11	21.05		
10	QPSK	25	25	20.89	20.86	20.96		
10	QPSK	50	0	20.94	21.04	20.91		
10	16QAM	1	0	20.53	20.70	20.34	22.1	0
10	16QAM	1	25	20.54	20.48	20.39		
10	16QAM	1	49	20.31	20.44	20.25		
10	16QAM	25	0	21.21	21.19	21.16	22.1	0
10	16QAM	25	12	21.10	21.21	21.06		
10	16QAM	25	25	21.09	21.17	21.18		
10	16QAM	50	0	21.30	21.25	21.16		
10	64QAM	1	0	21.16	21.31	21.11	22.1	0
10	64QAM	1	25	21.04	21.18	21.13		
10	64QAM	1	49	21.12	21.21	21.18		
10	64QAM	25	0	20.62	20.61	20.51	22	0.1
10	64QAM	25	12	20.76	20.58	20.53		
10	64QAM	25	25	20.38	20.47	20.49		
10	64QAM	50	0	20.51	20.62	20.55		
10	256QAM	1	0	18.41	18.46	18.43	20	2.1
10	256QAM	1	25	18.59	18.53	18.47		
10	256QAM	1	49	18.38	18.32	18.31		
10	256QAM	25	0	18.50	18.50	18.37	20	2.1
10	256QAM	25	12	18.58	18.49	18.56		
10	256QAM	25	25	18.44	18.55	18.55		
10	256QAM	50	0	18.49	18.49	18.37		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.24	21.32	21.23	22.1	0
5	QPSK	1	12	21.16	21.25	21.22		
5	QPSK	1	24	21.25	21.36	21.15		
5	QPSK	12	0	20.97	21.02	21.03	22.1	0
5	QPSK	12	7	20.97	21.06	21.12		
5	QPSK	12	13	20.90	20.90	20.94		
5	QPSK	25	0	20.97	21.03	20.97		
5	16QAM	1	0	20.54	20.64	20.33	22.1	0

5	16QAM	1	12	20.56	20.53	20.38		
5	16QAM	1	24	20.27	20.44	20.29		
5	16QAM	12	0	21.11	21.19	21.15		
5	16QAM	12	7	21.04	21.27	21.09	22.1	0
5	16QAM	12	13	21.02	21.09	21.24		
5	16QAM	25	0	21.23	21.22	21.12		
5	64QAM	1	0	21.13	21.29	21.10	22.1	0
5	64QAM	1	12	21.10	21.11	21.21		
5	64QAM	1	24	21.11	21.27	21.16		
5	64QAM	12	0	20.64	20.66	20.60	22	0.1
5	64QAM	12	7	20.63	20.66	20.64		
5	64QAM	12	13	20.40	20.47	20.50		
5	64QAM	25	0	20.59	20.60	20.62		
5	256QAM	1	0	18.33	18.40	18.36	20	2.1
5	256QAM	1	12	18.52	18.45	18.45		
5	256QAM	1	24	18.36	18.30	18.20		
5	256QAM	12	0	18.51	18.36	18.42	20	2.1
5	256QAM	12	7	18.53	18.54	18.63		
5	256QAM	12	13	18.48	18.59	18.60		
5	256QAM	25	0	18.50	18.42	18.48		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.17	21.39	21.21	22.1	0
3	QPSK	1	8	21.11	21.15	21.20		
3	QPSK	1	14	21.30	21.39	21.15		
3	QPSK	8	0	21.01	21.09	21.01	22.1	0
3	QPSK	8	4	21.00	21.11	21.02		
3	QPSK	8	7	20.93	20.96	20.93		
3	QPSK	15	0	20.95	21.00	20.90		
3	16QAM	1	0	20.53	20.69	20.33	22.1	0
3	16QAM	1	8	20.54	20.46	20.44		
3	16QAM	1	14	20.28	20.46	20.29		
3	16QAM	8	0	21.14	21.28	21.17	22.1	0
3	16QAM	8	4	21.06	21.30	21.09		
3	16QAM	8	7	21.04	21.06	21.21		
3	16QAM	15	0	21.24	21.26	21.15		
3	64QAM	1	0	21.09	21.25	21.15	22.1	0
3	64QAM	1	8	21.10	21.16	21.21		
3	64QAM	1	14	21.15	21.29	21.07		
3	64QAM	8	0	20.69	20.54	20.48	22	0.1
3	64QAM	8	4	20.66	20.63	20.57		
3	64QAM	8	7	20.37	20.47	20.56		
3	64QAM	15	0	20.49	20.62	20.64		
3	256QAM	1	0	18.44	18.50	18.32	20	2.1
3	256QAM	1	8	18.66	18.50	18.45		
3	256QAM	1	14	18.39	18.28	18.19		
3	256QAM	8	0	18.56	18.45	18.38	20	2.1

3	256QAM	8	4	18.57	18.57	18.56		
3	256QAM	8	7	18.42	18.46	18.61		
3	256QAM	15	0	18.50	18.52	18.41		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.23	21.34	21.24	22.1	0
1.4	QPSK	1	3	21.17	21.22	21.29		
1.4	QPSK	1	5	21.30	21.40	21.19		
1.4	QPSK	3	0	21.23	21.39	21.21		
1.4	QPSK	3	1	21.20	21.17	21.25		
1.4	QPSK	3	3	21.31	21.33	21.17		
1.4	QPSK	6	0	20.97	21.10	20.96	22.1	0
1.4	16QAM	1	0	20.96	21.10	21.09	22.1	0
1.4	16QAM	1	3	20.92	20.88	21.01		
1.4	16QAM	1	5	20.90	21.03	20.92		
1.4	16QAM	3	0	20.56	20.66	20.33		
1.4	16QAM	3	1	20.57	20.51	20.34		
1.4	16QAM	3	3	20.29	20.53	20.29		
1.4	16QAM	6	0	21.20	21.28	21.13	22.1	0
1.4	64QAM	1	0	21.11	21.29	21.09	22.1	0
1.4	64QAM	1	3	21.08	21.13	21.16		
1.4	64QAM	1	5	21.24	21.27	21.17		
1.4	64QAM	3	0	21.18	21.30	21.11		
1.4	64QAM	3	1	21.07	21.06	21.18		
1.4	64QAM	3	3	21.19	21.21	21.07		
1.4	64QAM	6	0	20.63	20.57	20.62	22	0.1
1.4	256QAM	1	0	18.76	18.93	18.82	20	2.1
1.4	256QAM	1	3	18.99	18.85	18.83		
1.4	256QAM	1	5	18.77	18.75	18.81		
1.4	256QAM	3	0	18.81	18.85	18.71		
1.4	256QAM	3	1	18.96	18.85	18.90		
1.4	256QAM	3	3	18.85	18.95	18.96		
1.4	256QAM	6	0	18.80	18.89	18.94	20	2.1

Band 7 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.78	18.86	18.77	19.4	0
20	QPSK	1	49	18.77	18.85	18.80		
20	QPSK	1	99	18.75	18.77	18.63		
20	QPSK	50	0	18.68	18.79	18.71	19.4	0
20	QPSK	50	24	18.72	18.78	18.70		
20	QPSK	50	50	18.63	18.64	18.57		
20	QPSK	100	0	18.67	18.76	18.64	19.4	0
20	16QAM	1	0	18.69	18.75	18.71		
20	16QAM	1	49	18.72	18.77	18.69		
20	16QAM	1	99	18.70	18.65	18.58	19.4	0
20	16QAM	50	0	18.56	18.77	18.69		
20	16QAM	50	24	18.64	18.76	18.60		
20	16QAM	50	50	18.52	18.58	18.48	19.4	0
20	16QAM	100	0	18.64	18.67	18.54		
20	64QAM	1	0	18.75	18.83	18.70		
20	64QAM	1	49	18.71	18.80	18.69	19.4	0
20	64QAM	1	99	18.70	18.64	18.53		
20	64QAM	50	0	18.47	18.38	18.37		
20	64QAM	50	24	18.37	18.35	18.26	19.4	0
20	64QAM	50	50	18.66	18.56	18.64		
20	64QAM	100	0	18.47	18.51	18.43		
20	256QAM	1	0	17.89	17.93	17.95	19	0.4
20	256QAM	1	49	17.78	17.86	17.77		
20	256QAM	1	99	17.97	17.90	17.96		
20	256QAM	50	0	17.85	17.92	17.96	19	0.4
20	256QAM	50	24	17.78	17.84	17.75		
20	256QAM	50	50	17.93	17.91	17.90		
20	256QAM	100	0	17.82	17.92	17.93	19.4	0
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.71	18.83	18.72	19.4	0
15	QPSK	1	37	18.71	18.82	18.71		
15	QPSK	1	74	18.70	18.72	18.56		
15	QPSK	36	0	18.63	18.72	18.68	19.4	0
15	QPSK	36	20	18.65	18.71	18.61		
15	QPSK	36	39	18.57	18.59	18.50		
15	QPSK	75	0	18.60	18.74	18.57	19.4	0
15	16QAM	1	0	18.61	18.72	18.66		
15	16QAM	1	37	18.65	18.67	18.64		
15	16QAM	1	74	18.67	18.57	18.54	19.4	0
15	16QAM	36	0	18.53	18.67	18.62		

15	16QAM	36	20	18.59	18.68	18.52		
15	16QAM	36	39	18.42	18.54	18.41		
15	16QAM	75	0	18.57	18.58	18.50		
15	64QAM	1	0	18.69	18.78	18.65	19.4	0
15	64QAM	1	37	18.67	18.75	18.67		
15	64QAM	1	74	18.61	18.57	18.49		
15	64QAM	36	0	18.41	18.29	18.32	19.4	0
15	64QAM	36	20	18.32	18.30	18.18		
15	64QAM	36	39	18.59	18.52	18.55		
15	64QAM	75	0	18.43	18.47	18.33	19	0.4
15	256QAM	1	0	17.84	17.86	17.84		
15	256QAM	1	37	17.75	17.79	17.65		
15	256QAM	1	74	17.79	17.77	17.79	19	0.4
15	256QAM	36	0	17.74	17.90	17.86		
15	256QAM	36	20	17.62	17.74	17.66		
15	256QAM	36	39	17.75	17.74	17.73	19	0.4
15	256QAM	75	0	17.75	17.81	17.83		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.70	18.79	18.70	19.4	0
10	QPSK	1	25	18.70	18.82	18.72		
10	QPSK	1	49	18.68	18.74	18.54		
10	QPSK	25	0	18.62	18.72	18.66	19.4	0
10	QPSK	25	12	18.67	18.72	18.63		
10	QPSK	25	25	18.57	18.60	18.53		
10	QPSK	50	0	18.64	18.73	18.58	19.4	0
10	16QAM	1	0	18.60	18.69	18.67		
10	16QAM	1	25	18.67	18.73	18.63		
10	16QAM	1	49	18.62	18.59	18.52	19.4	0
10	16QAM	25	0	18.47	18.70	18.60		
10	16QAM	25	12	18.54	18.72	18.54		
10	16QAM	25	25	18.43	18.50	18.42	19.4	0
10	16QAM	50	0	18.55	18.65	18.48		
10	64QAM	1	0	18.71	18.80	18.67		
10	64QAM	1	25	18.63	18.71	18.66	19.4	0
10	64QAM	1	49	18.67	18.61	18.50		
10	64QAM	25	0	18.38	18.33	18.28		
10	64QAM	25	12	18.30	18.26	18.24	19.4	0
10	64QAM	25	25	18.58	18.52	18.59		
10	64QAM	50	0	18.42	18.43	18.34		
10	256QAM	1	0	17.82	17.77	17.86	19	0.4
10	256QAM	1	25	17.67	17.77	17.71		
10	256QAM	1	49	17.90	17.72	17.85		
10	256QAM	25	0	17.69	17.79	17.81	19	0.4
10	256QAM	25	12	17.70	17.70	17.57		
10	256QAM	25	25	17.89	17.88	17.77		
10	256QAM	50	0	17.71	17.89	17.78		

Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.71	18.81	18.71	19.4	0
5	QPSK	1	12	18.72	18.77	18.75		
5	QPSK	1	24	18.71	18.73	18.57		
5	QPSK	12	0	18.66	18.76	18.68	19.4	0
5	QPSK	12	7	18.63	18.75	18.62		
5	QPSK	12	13	18.59	18.61	18.55		
5	QPSK	25	0	18.64	18.71	18.59	19.4	0
5	16QAM	1	0	18.61	18.69	18.62		
5	16QAM	1	12	18.65	18.70	18.59		
5	16QAM	1	24	18.67	18.63	18.53	19.4	0
5	16QAM	12	0	18.48	18.72	18.66		
5	16QAM	12	7	18.61	18.72	18.53		
5	16QAM	12	13	18.48	18.48	18.42	19.4	0
5	16QAM	25	0	18.60	18.64	18.49		
5	64QAM	1	0	18.72	18.79	18.63	19.4	0
5	64QAM	1	12	18.61	18.75	18.64		
5	64QAM	1	24	18.64	18.62	18.44		
5	64QAM	12	0	18.37	18.34	18.27	19.4	0
5	64QAM	12	7	18.29	18.25	18.21		
5	64QAM	12	13	18.62	18.48	18.56		
5	64QAM	25	0	18.44	18.47	18.39	19	0.4
5	256QAM	1	0	17.81	17.90	17.92		
5	256QAM	1	12	17.69	17.80	17.65		
5	256QAM	1	24	17.79	17.82	17.81	19	0.4
5	256QAM	12	0	17.79	17.88	17.81		
5	256QAM	12	7	17.64	17.70	17.65		
5	256QAM	12	13	17.86	17.83	17.83	19	0.4
5	256QAM	25	0	17.70	17.83	17.85		

Band 30 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				27710				
Frequency (MHz)				2310				
10	QPSK	1	0		17.51		18.4	0
10	QPSK	1	25		17.38			
10	QPSK	1	49		17.46			
10	QPSK	25	0		17.46		18.4	0
10	QPSK	25	12		17.22			
10	QPSK	25	25		17.34			
10	QPSK	50	0		17.17		18.4	0
10	16QAM	1	0		17.07			
10	16QAM	1	25		17.25			
10	16QAM	1	49		16.87		18.4	0
10	16QAM	25	0		16.94			

10	16QAM	25	12		17.02			
10	16QAM	25	25		17.20			
10	16QAM	50	0		17.01			
10	64QAM	1	0		17.16		18.4	0
10	64QAM	1	25		16.94			
10	64QAM	1	49		17.00			
10	64QAM	25	0		17.02		18.4	0
10	64QAM	25	12		17.01			
10	64QAM	25	25		16.97			
10	64QAM	50	0		17.03			
10	256QAM	1	0		16.98		18.4	0
10	256QAM	1	25		16.95			
10	256QAM	1	49		17.17			
10	256QAM	25	0		16.92		18.4	0
10	256QAM	25	12		17.08			
10	256QAM	25	25		16.86			
10	256QAM	50	0		16.96			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	17.46	17.47	17.44	18.4	0
5	QPSK	1	12	17.33	17.32	17.32		
5	QPSK	1	24	17.39	17.41	17.39		
5	QPSK	12	0	17.42	17.42	17.39	18.4	0
5	QPSK	12	7	17.19	17.18	17.12		
5	QPSK	12	13	17.28	17.29	17.27		
5	QPSK	25	0	17.13	17.13	17.13		
5	16QAM	1	0	17.04	17.01	17.02	18.4	0
5	16QAM	1	12	17.17	17.18	17.20		
5	16QAM	1	24	16.84	16.81	16.83		
5	16QAM	12	0	16.86	16.89	16.89	18.4	0
5	16QAM	12	7	16.99	16.99	16.97		
5	16QAM	12	13	17.13	17.12	17.16		
5	16QAM	25	0	16.97	16.98	16.92		
5	64QAM	1	0	17.09	17.09	17.12	18.4	0
5	64QAM	1	12	16.91	16.90	16.88		
5	64QAM	1	24	16.92	16.91	16.98		
5	64QAM	12	0	16.99	16.99	16.94	18.4	0
5	64QAM	12	7	16.94	16.91	16.97		
5	64QAM	12	13	16.91	16.92	16.95		
5	64QAM	25	0	16.99	17.00	17.00		
5	256QAM	1	0	16.94	16.92	16.91	18.4	0
5	256QAM	1	12	16.87	16.85	16.91		
5	256QAM	1	24	17.12	17.11	17.13		
5	256QAM	12	0	16.86	16.84	16.90	18.4	0
5	256QAM	12	7	17.05	17.00	16.98		
5	256QAM	12	13	16.81	16.77	16.84		
5	256QAM	25	0	16.89	16.90	16.89		

Band 2 Ant5 DSI5								
Channel				18700	18900	19100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	21.96	22.12	22.00	22.9	0
20	QPSK	1	49	21.99	22.07	21.93		
20	QPSK	1	99	21.90	22.02	21.96		
20	QPSK	50	0	21.90	22.06	21.97	22.9	0
20	QPSK	50	24	21.94	22.02	21.84		
20	QPSK	50	50	21.85	21.97	21.91		
20	QPSK	100	0	21.87	22.02	21.91	22.9	0
20	16QAM	1	0	21.88	22.04	21.92		
20	16QAM	1	49	21.96	22.03	21.86		
20	16QAM	1	99	21.81	21.96	21.93	22.9	0
20	16QAM	50	0	21.60	21.65	21.52		
20	16QAM	50	24	21.43	21.56	21.44		
20	16QAM	50	50	21.46	21.54	21.44	22.9	0
20	16QAM	100	0	21.47	21.54	21.43		
20	64QAM	1	0	21.61	21.77	21.68	22.9	0
20	64QAM	1	49	21.66	21.75	21.60		
20	64QAM	1	99	21.61	21.71	21.58		
20	64QAM	50	0	20.40	20.54	20.40	22	0.9
20	64QAM	50	24	20.37	20.51	20.39		
20	64QAM	50	50	20.42	20.52	20.42		
20	64QAM	100	0	20.45	20.55	20.48	20	2.9
20	256QAM	1	0	18.48	18.64	18.52		
20	256QAM	1	49	18.50	18.57	18.51		
20	256QAM	1	99	18.43	18.56	18.44	20	2.9
20	256QAM	50	0	18.52	18.58	18.53		
20	256QAM	50	24	18.42	18.54	18.39		
20	256QAM	50	50	18.42	18.51	18.41	20	2.9
20	256QAM	100	0	18.46	18.61	18.49		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.94	22.07	21.96	22.9	0
15	QPSK	1	37	21.91	22.01	21.84		
15	QPSK	1	74	21.81	21.94	21.93		
15	QPSK	36	0	21.81	21.97	21.95	22.9	0
15	QPSK	36	20	21.88	21.97	21.74		
15	QPSK	36	39	21.80	21.87	21.89		
15	QPSK	75	0	21.81	21.94	21.83	22.9	0
15	16QAM	1	0	21.79	22.01	21.84		
15	16QAM	1	37	21.87	22.01	21.84		
15	16QAM	1	74	21.73	21.91	21.88	22.9	0
15	16QAM	36	0	21.50	21.53	21.40		
15	16QAM	36	20	21.38	21.47	21.31		
15	16QAM	36	39	21.30	21.48	21.36	22.9	0



15	16QAM	75	0	21.33	21.47	21.33	22.9	0
15	64QAM	1	0	21.52	21.62	21.54		
15	64QAM	1	37	21.59	21.69	21.55		
15	64QAM	1	74	21.54	21.65	21.42		
15	64QAM	36	0	20.25	20.47	20.33	22	0.9
15	64QAM	36	20	20.33	20.45	20.24		
15	64QAM	36	39	20.27	20.48	20.34		
15	64QAM	75	0	20.38	20.46	20.36		
15	256QAM	1	0	18.35	18.56	18.37	20	2.9
15	256QAM	1	37	18.35	18.53	18.36		
15	256QAM	1	74	18.31	18.42	18.31		
15	256QAM	36	0	18.41	18.47	18.41	20	2.9
15	256QAM	36	20	18.37	18.42	18.23		
15	256QAM	36	39	18.30	18.42	18.26		
15	256QAM	75	0	18.39	18.46	18.35		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.91	22.07	21.91	22.9	0
10	QPSK	1	25	21.96	21.98	21.90		
10	QPSK	1	49	21.80	21.93	21.90		
10	QPSK	25	0	21.81	22.00	21.91	22.9	0
10	QPSK	25	12	21.91	21.97	21.74		
10	QPSK	25	25	21.79	21.87	21.86		
10	QPSK	50	0	21.83	21.95	21.86		
10	16QAM	1	0	21.83	21.97	21.87	22.9	0
10	16QAM	1	25	21.90	21.99	21.82		
10	16QAM	1	49	21.77	21.94	21.87		
10	16QAM	25	0	21.50	21.59	21.37	22.9	0
10	16QAM	25	12	21.28	21.47	21.31		
10	16QAM	25	25	21.35	21.42	21.32		
10	16QAM	50	0	21.36	21.45	21.28		
10	64QAM	1	0	21.53	21.73	21.54	22.9	0
10	64QAM	1	25	21.62	21.63	21.49		
10	64QAM	1	49	21.45	21.59	21.46		
10	64QAM	25	0	20.30	20.39	20.36	22	0.9
10	64QAM	25	12	20.33	20.46	20.32		
10	64QAM	25	25	20.27	20.39	20.34		
10	64QAM	50	0	20.38	20.50	20.40		
10	256QAM	1	0	18.38	18.59	18.41	20	2.9
10	256QAM	1	25	18.45	18.44	18.38		
10	256QAM	1	49	18.36	18.44	18.30		
10	256QAM	25	0	18.46	18.53	18.41	20	2.9
10	256QAM	25	12	18.37	18.45	18.32		
10	256QAM	25	25	18.30	18.40	18.37		
10	256QAM	50	0	18.30	18.48	18.41		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		



5	QPSK	1	0	21.87	22.08	21.97	22.9	0
5	QPSK	1	12	21.90	22.01	21.91		
5	QPSK	1	24	21.81	21.98	21.91		
5	QPSK	12	0	21.84	21.99	21.92	22.9	0
5	QPSK	12	7	21.88	21.95	21.79		
5	QPSK	12	13	21.78	21.93	21.82		
5	QPSK	25	0	21.84	21.97	21.84		
5	16QAM	1	0	21.85	21.96	21.88	22.9	0
5	16QAM	1	12	21.90	21.94	21.77		
5	16QAM	1	24	21.75	21.92	21.90		
5	16QAM	12	0	21.47	21.53	21.47	22.9	0
5	16QAM	12	7	21.39	21.44	21.34		
5	16QAM	12	13	21.37	21.43	21.36		
5	16QAM	25	0	21.36	21.44	21.37		
5	64QAM	1	0	21.49	21.70	21.53	22.9	0
5	64QAM	1	12	21.55	21.60	21.45		
5	64QAM	1	24	21.53	21.58	21.48		
5	64QAM	12	0	20.31	20.39	20.34	22	0.9
5	64QAM	12	7	20.28	20.37	20.27		
5	64QAM	12	13	20.36	20.40	20.29		
5	64QAM	25	0	20.38	20.44	20.41		
5	256QAM	1	0	18.44	18.60	18.36	20	2.9
5	256QAM	1	12	18.42	18.44	18.43		
5	256QAM	1	24	18.28	18.51	18.33		
5	256QAM	12	0	18.37	18.47	18.43	20	2.9
5	256QAM	12	7	18.28	18.43	18.25		
5	256QAM	12	13	18.31	18.41	18.35		
5	256QAM	25	0	18.38	18.52	18.33		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.93	22.06	21.93	22.9	0
3	QPSK	1	8	21.91	22.02	21.87		
3	QPSK	1	14	21.83	21.97	21.93		
3	QPSK	8	0	21.86	22.00	21.93	22.9	0
3	QPSK	8	4	21.88	21.92	21.79		
3	QPSK	8	7	21.81	21.92	21.87		
3	QPSK	15	0	21.85	21.98	21.86		
3	16QAM	1	0	21.82	22.00	21.83	22.9	0
3	16QAM	1	8	21.93	21.95	21.77		
3	16QAM	1	14	21.73	21.87	21.91		
3	16QAM	8	0	21.52	21.59	21.47	22.9	0
3	16QAM	8	4	21.30	21.40	21.37		
3	16QAM	8	7	21.32	21.46	21.37		
3	16QAM	15	0	21.36	21.48	21.37		
3	64QAM	1	0	21.47	21.66	21.63	22.9	0
3	64QAM	1	8	21.51	21.69	21.54		
3	64QAM	1	14	21.54	21.63	21.53		



3	64QAM	8	0	20.28	20.39	20.34	22	0.9
3	64QAM	8	4	20.31	20.46	20.28		
3	64QAM	8	7	20.37	20.46	20.30		
3	64QAM	15	0	20.33	20.47	20.33		
3	256QAM	1	0	18.39	18.50	18.45	20	2.9
3	256QAM	1	8	18.40	18.46	18.43		
3	256QAM	1	14	18.33	18.46	18.36		
3	256QAM	8	0	18.43	18.50	18.45	20	2.9
3	256QAM	8	4	18.32	18.41	18.30		
3	256QAM	8	7	18.30	18.37	18.35		
3	256QAM	15	0	18.36	18.53	18.42		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.88	22.05	21.94	22.9	0
1.4	QPSK	1	3	21.96	22.02	21.89		
1.4	QPSK	1	5	21.85	21.92	21.89		
1.4	QPSK	3	0	21.87	22.03	21.95		
1.4	QPSK	3	1	21.96	22.02	21.84		
1.4	QPSK	3	3	21.82	21.96	21.91		
1.4	QPSK	6	0	21.84	22.01	21.90	22.9	0
1.4	16QAM	1	0	21.92	21.97	21.76	22.9	0
1.4	16QAM	1	3	21.78	21.91	21.85		
1.4	16QAM	1	5	21.78	21.95	21.89		
1.4	16QAM	3	0	21.78	21.98	21.89		
1.4	16QAM	3	1	21.94	21.95	21.80		
1.4	16QAM	3	3	21.71	21.92	21.84		
1.4	16QAM	6	0	21.45	21.55	21.43	22.9	0
1.4	64QAM	1	0	21.34	21.42	21.39	22.9	0
1.4	64QAM	1	3	21.38	21.39	21.29		
1.4	64QAM	1	5	21.33	21.43	21.29		
1.4	64QAM	3	0	21.52	21.63	21.58		
1.4	64QAM	3	1	21.59	21.61	21.46		
1.4	64QAM	3	3	21.49	21.65	21.44		
1.4	64QAM	6	0	20.25	20.50	20.29	22	0.9
1.4	256QAM	1	0	18.32	18.46	18.29	20	2.9
1.4	256QAM	1	3	18.38	18.43	18.37		
1.4	256QAM	1	5	18.40	18.45	18.43		
1.4	256QAM	3	0	18.26	18.44	18.24		
1.4	256QAM	3	1	18.37	18.44	18.37		
1.4	256QAM	3	3	18.41	18.48	18.33		
1.4	256QAM	6	0	18.31	18.51	18.42	20	2.9

Band 4 Ant5 DSI5								
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.72	21.88	21.61	23.5	0
20	QPSK	1	49	21.86	21.87	21.58		
20	QPSK	1	99	21.61	21.75	21.58		
20	QPSK	50	0	21.68	21.83	21.51	23.5	0
20	QPSK	50	24	21.80	21.73	21.62		
20	QPSK	50	50	21.61	21.64	21.63		
20	QPSK	100	0	21.55	21.74	21.54		
20	16QAM	1	0	21.67	21.74	21.58	23.5	0
20	16QAM	1	49	21.71	21.79	21.54		
20	16QAM	1	99	21.62	21.77	21.61		
20	16QAM	50	0	21.49	21.53	21.45	23	0.5
20	16QAM	50	24	21.37	21.43	21.35		
20	16QAM	50	50	21.32	21.43	21.35		
20	16QAM	100	0	21.39	21.45	21.38		
20	64QAM	1	0	21.50	21.69	21.61	23	0.5
20	64QAM	1	49	21.50	21.60	21.56		
20	64QAM	1	99	21.53	21.65	21.43		
20	64QAM	50	0	20.29	20.46	20.27	22	1.5
20	64QAM	50	24	20.24	20.42	20.29		
20	64QAM	50	50	20.34	20.41	20.35		
20	64QAM	100	0	20.40	20.47	20.42		
20	256QAM	1	0	18.43	18.58	18.36	20	3.5
20	256QAM	1	49	18.45	18.49	18.41		
20	256QAM	1	99	18.37	18.44	18.38		
20	256QAM	50	0	18.47	18.47	18.39	20	3.5
20	256QAM	50	24	18.26	18.40	18.25		
20	256QAM	50	50	18.29	18.39	18.28		
20	256QAM	100	0	18.42	18.50	18.41		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.65	21.75	21.57	23.5	0
15	QPSK	1	37	21.77	21.82	21.51		
15	QPSK	1	74	21.53	21.67	21.53		
15	QPSK	36	0	21.61	21.70	21.57	23.5	0
15	QPSK	36	20	21.78	21.69	21.56		
15	QPSK	36	39	21.51	21.51	21.53		
15	QPSK	75	0	21.51	21.68	21.60		
15	16QAM	1	0	21.64	21.61	21.58	23.5	0
15	16QAM	1	37	21.63	21.74	21.64		
15	16QAM	1	74	21.50	21.70	21.58		
15	16QAM	36	0	21.35	21.39	21.29	23	0.5
15	16QAM	36	20	21.29	21.37	21.20		
15	16QAM	36	39	21.22	21.34	21.27		



15	16QAM	75	0	21.20	21.41	21.17		
15	64QAM	1	0	21.37	21.49	21.46	23	0.5
15	64QAM	1	37	21.48	21.62	21.45		
15	64QAM	1	74	21.45	21.58	21.37		
15	64QAM	36	0	20.10	20.38	20.26	22	1.5
15	64QAM	36	20	20.20	20.31	20.13		
15	64QAM	36	39	20.21	20.33	20.18		
15	64QAM	75	0	20.27	20.34	20.27	20	3.5
15	256QAM	1	0	18.25	18.41	18.22		
15	256QAM	1	37	18.22	18.45	18.30		
15	256QAM	1	74	18.21	18.38	18.19	20	3.5
15	256QAM	36	0	18.35	18.41	18.34		
15	256QAM	36	20	18.26	18.36	18.09		
15	256QAM	36	39	18.15	18.30	18.21	20	3.5
15	256QAM	75	0	18.24	18.37	18.31		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.58	21.81	21.50	23.5	0
10	QPSK	1	25	21.83	21.84	21.51		
10	QPSK	1	49	21.58	21.70	21.64		
10	QPSK	25	0	21.58	21.75	21.67	23.5	0
10	QPSK	25	12	21.72	21.67	21.65		
10	QPSK	25	25	21.59	21.61	21.55		
10	QPSK	50	0	21.53	21.68	21.61	23.5	0
10	16QAM	1	0	21.54	21.64	21.55		
10	16QAM	1	25	21.69	21.71	21.65		
10	16QAM	1	49	21.59	21.65	21.55	23	0.5
10	16QAM	25	0	21.44	21.50	21.22		
10	16QAM	25	12	21.15	21.37	21.26		
10	16QAM	25	25	21.22	21.33	21.26	23	0.5
10	16QAM	50	0	21.28	21.37	21.19		
10	64QAM	1	0	21.39	21.58	21.46		
10	64QAM	1	25	21.57	21.54	21.34	23	0.5
10	64QAM	1	49	21.36	21.48	21.40		
10	64QAM	25	0	20.16	20.24	20.22		
10	64QAM	25	12	20.21	20.30	20.22	22	1.5
10	64QAM	25	25	20.14	20.24	20.25		
10	64QAM	50	0	20.29	20.34	20.29		
10	256QAM	1	0	18.29	18.44	18.26	20	3.5
10	256QAM	1	25	18.40	18.31	18.23		
10	256QAM	1	49	18.31	18.37	18.19		
10	256QAM	25	0	18.34	18.46	18.32	20	3.5
10	256QAM	25	12	18.29	18.34	18.19		
10	256QAM	25	25	18.22	18.32	18.22		
10	256QAM	50	0	18.24	18.37	18.34	Tune-up limit (dBm)	MPR (dB)
Channel				19975	20175	20375		
Frequency (MHz)				1712.5	1732.5	1752.5		



5	QPSK	1	0	21.63	21.74	21.66	23.5	0
5	QPSK	1	12	21.84	21.73	21.67		
5	QPSK	1	24	21.52	21.71	21.66		
5	QPSK	12	0	21.66	21.78	21.64	23.5	0
5	QPSK	12	7	21.69	21.68	21.58		
5	QPSK	12	13	21.50	21.61	21.52		
5	QPSK	25	0	21.55	21.64	21.53		
5	16QAM	1	0	21.65	21.67	21.62	23.5	0
5	16QAM	1	12	21.57	21.68	21.61		
5	16QAM	1	24	21.50	21.65	21.53		
5	16QAM	12	0	21.36	21.48	21.35	23	0.5
5	16QAM	12	7	21.26	21.36	21.28		
5	16QAM	12	13	21.32	21.37	21.25		
5	16QAM	25	0	21.23	21.32	21.24		
5	64QAM	1	0	21.41	21.55	21.40	23	0.5
5	64QAM	1	12	21.45	21.54	21.40		
5	64QAM	1	24	21.39	21.42	21.34		
5	64QAM	12	0	20.16	20.27	20.25	22	1.5
5	64QAM	12	7	20.22	20.30	20.21		
5	64QAM	12	13	20.28	20.26	20.13		
5	64QAM	25	0	20.29	20.38	20.35		
5	256QAM	1	0	18.34	18.55	18.25	20	3.5
5	256QAM	1	12	18.34	18.29	18.29		
5	256QAM	1	24	18.24	18.45	18.21		
5	256QAM	12	0	18.28	18.32	18.32	20	3.5
5	256QAM	12	7	18.22	18.32	18.12		
5	256QAM	12	13	18.24	18.27	18.20		
5	256QAM	25	0	18.23	18.46	18.17		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.63	21.73	21.64	23.5	0
3	QPSK	1	8	21.64	21.85	21.66		
3	QPSK	1	14	21.62	21.64	21.68		
3	QPSK	8	0	21.67	21.75	21.74	23.5	0
3	QPSK	8	4	21.63	21.66	21.56		
3	QPSK	8	7	21.52	21.59	21.54		
3	QPSK	15	0	21.57	21.60	21.54		
3	16QAM	1	0	21.57	21.61	21.55	23.5	0
3	16QAM	1	8	21.55	21.69	21.58		
3	16QAM	1	14	21.54	21.69	21.51		
3	16QAM	8	0	21.46	21.43	21.43	23	0.5
3	16QAM	8	4	21.19	21.26	21.25		
3	16QAM	8	7	21.23	21.40	21.28		
3	16QAM	15	0	21.21	21.34	21.32		
3	64QAM	1	0	21.40	21.59	21.55	23	0.5
3	64QAM	1	8	21.39	21.56	21.48		
3	64QAM	1	14	21.43	21.53	21.46		



3	64QAM	8	0	20.15	20.32	20.22	22	1.5
3	64QAM	8	4	20.22	20.32	20.15		
3	64QAM	8	7	20.27	20.38	20.19		
3	64QAM	15	0	20.23	20.33	20.23		
3	256QAM	1	0	18.33	18.35	18.33	20	3.5
3	256QAM	1	8	18.27	18.36	18.33		
3	256QAM	1	14	18.25	18.34	18.24		
3	256QAM	8	0	18.38	18.41	18.35	20	3.5
3	256QAM	8	4	18.25	18.36	18.25		
3	256QAM	8	7	18.23	18.24	18.31		
3	256QAM	15	0	18.23	18.48	18.31		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.65	21.81	21.70	23.5	0
1.4	QPSK	1	3	21.72	21.78	21.65		
1.4	QPSK	1	5	21.55	21.62	21.65		
1.4	QPSK	3	0	21.68	21.82	21.66		
1.4	QPSK	3	1	21.76	21.79	21.57		
1.4	QPSK	3	3	21.52	21.71	21.53		
1.4	QPSK	6	0	21.55	21.75	21.59	23.5	0
1.4	16QAM	1	0	21.77	21.69	21.61	23.5	0
1.4	16QAM	1	3	21.56	21.51	21.60		
1.4	16QAM	1	5	21.67	21.69	21.68		
1.4	16QAM	3	0	21.70	21.67	21.67		
1.4	16QAM	3	1	21.67	21.66	21.67		
1.4	16QAM	3	3	21.70	21.66	21.73		
1.4	16QAM	6	0	21.63	21.44	21.59	23	0.5
1.4	64QAM	1	0	21.52	21.30	21.47	23	0.5
1.4	64QAM	1	3	21.60	21.24	21.52		
1.4	64QAM	1	5	21.54	21.33	21.65		
1.4	64QAM	3	0	21.64	21.54	21.58		
1.4	64QAM	3	1	21.46	21.47	21.41		
1.4	64QAM	3	3	21.37	21.58	21.32		
1.4	64QAM	6	0	20.18	20.44	20.25	22	1.5
1.4	256QAM	1	0	18.27	18.35	18.18	20	3.5
1.4	256QAM	1	3	18.23	18.35	18.26		
1.4	256QAM	1	5	18.32	18.34	18.37		
1.4	256QAM	3	0	18.14	18.32	18.15		
1.4	256QAM	3	1	18.30	18.36	18.26		
1.4	256QAM	3	3	18.32	18.38	18.20		
1.4	256QAM	6	0	18.19	18.40	18.37	20	3.5

Band 66 Ant5 DSI5								
Channel				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.78	21.91	21.75	23.5	0
20	QPSK	1	49	21.89	21.89	21.70		
20	QPSK	1	99	21.75	21.87	21.71		
20	QPSK	50	0	21.75	21.87	21.63	23.5	0
20	QPSK	50	24	21.83	21.79	21.67		
20	QPSK	50	50	21.67	21.75	21.67		
20	QPSK	100	0	21.66	21.77	21.61		
20	16QAM	1	0	21.74	21.88	21.65	23.5	0
20	16QAM	1	49	21.78	21.85	21.67		
20	16QAM	1	99	21.73	21.85	21.66		
20	16QAM	50	0	21.38	21.38	21.37	23	0.5
20	16QAM	50	24	21.28	21.36	21.24		
20	16QAM	50	50	21.18	21.31	21.20		
20	16QAM	100	0	21.29	21.38	21.26		
20	64QAM	1	0	21.43	21.54	21.50	23	0.5
20	64QAM	1	49	21.46	21.49	21.41		
20	64QAM	1	99	21.43	21.61	21.29		
20	64QAM	50	0	20.19	20.33	20.17	22	1.5
20	64QAM	50	24	20.10	20.31	20.25		
20	64QAM	50	50	20.29	20.33	20.21		
20	64QAM	100	0	20.32	20.42	20.37		
20	256QAM	1	0	18.38	18.42	18.30	20	3.5
20	256QAM	1	49	18.39	18.43	18.34		
20	256QAM	1	99	18.30	18.31	18.23		
20	256QAM	50	0	18.34	18.32	18.27	20	3.5
20	256QAM	50	24	18.14	18.35	18.14		
20	256QAM	50	50	18.19	18.26	18.21		
20	256QAM	100	0	18.37	18.36	18.29		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.70	21.81	21.69	23.5	0
15	QPSK	1	37	21.75	21.80	21.61		
15	QPSK	1	74	21.68	21.75	21.67		
15	QPSK	36	0	21.66	21.73	21.57	23.5	0
15	QPSK	36	20	21.81	21.66	21.60		
15	QPSK	36	39	21.58	21.66	21.64		
15	QPSK	75	0	21.62	21.73	21.53		
15	16QAM	1	0	21.69	21.79	21.63	23.5	0
15	16QAM	1	37	21.76	21.82	21.61		
15	16QAM	1	74	21.68	21.81	21.53		
15	16QAM	36	0	21.22	21.33	21.24	23	0.5
15	16QAM	36	20	21.20	21.33	21.14		
15	16QAM	36	39	21.11	21.21	21.17		



15	16QAM	75	0	21.14	21.28	21.02	23	0.5
15	64QAM	1	0	21.24	21.34	21.35		
15	64QAM	1	37	21.32	21.51	21.37		
15	64QAM	1	74	21.36	21.51	21.22		
15	64QAM	36	0	20.15	20.22	20.18	22	1.5
15	64QAM	36	20	20.14	20.21	20.03		
15	64QAM	36	39	20.09	20.28	20.14		
15	64QAM	75	0	20.15	20.20	20.15		
15	256QAM	1	0	18.12	18.35	18.11	20	3.5
15	256QAM	1	37	18.14	18.33	18.21		
15	256QAM	1	74	18.15	18.30	18.04		
15	256QAM	36	0	18.28	18.28	18.21	20	3.5
15	256QAM	36	20	18.15	18.29	18.29		
15	256QAM	36	39	18.06	18.25	18.07		
15	256QAM	75	0	18.19	18.32	18.26		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.73	21.82	21.63	23.5	0
10	QPSK	1	25	21.78	21.86	21.67		
10	QPSK	1	49	21.70	21.85	21.61		
10	QPSK	25	0	21.63	21.79	21.50	23.5	0
10	QPSK	25	12	21.75	21.70	21.64		
10	QPSK	25	25	21.62	21.70	21.60		
10	QPSK	50	0	21.61	21.73	21.54		
10	16QAM	1	0	21.65	21.82	21.63	23.5	0
10	16QAM	1	25	21.67	21.79	21.59		
10	16QAM	1	49	21.61	21.73	21.53		
10	16QAM	25	0	21.34	21.34	21.08	23	0.5
10	16QAM	25	12	21.00	21.27	21.20		
10	16QAM	25	25	21.11	21.20	21.17		
10	16QAM	50	0	21.21	21.33	21.05		
10	64QAM	1	0	21.26	21.53	21.38	23	0.5
10	64QAM	1	25	21.51	21.41	21.21		
10	64QAM	1	49	21.29	21.36	21.26		
10	64QAM	25	0	20.03	20.09	20.07	22	1.5
10	64QAM	25	12	20.11	20.17	20.14		
10	64QAM	25	25	20.00	20.20	20.17		
10	64QAM	50	0	20.17	20.22	20.18		
10	256QAM	1	0	18.18	18.40	18.13	20	3.5
10	256QAM	1	25	18.30	18.18	18.10		
10	256QAM	1	49	18.18	18.28	18.07		
10	256QAM	25	0	18.24	18.34	18.22	20	3.5
10	256QAM	25	12	18.14	18.27	18.04		
10	256QAM	25	25	18.14	18.25	18.11		
10	256QAM	50	0	18.14	18.21	18.26		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		



5	QPSK	1	0	21.74	21.81	21.65	23.5	0
5	QPSK	1	12	21.81	21.85	21.61		
5	QPSK	1	24	21.65	21.79	21.60		
5	QPSK	12	0	21.66	21.80	21.54	23.5	0
5	QPSK	12	7	21.76	21.68	21.58		
5	QPSK	12	13	21.57	21.65	21.59		
5	QPSK	25	0	21.59	21.69	21.58		
5	16QAM	1	0	21.61	21.75	21.56	23.5	0
5	16QAM	1	12	21.75	21.77	21.60		
5	16QAM	1	24	21.69	21.75	21.54		
5	16QAM	12	0	21.26	21.34	21.23	23	0.5
5	16QAM	12	7	21.14	21.28	21.18		
5	16QAM	12	13	21.18	21.31	21.10		
5	16QAM	25	0	21.17	21.23	21.14		
5	64QAM	1	0	21.37	21.51	21.34	23	0.5
5	64QAM	1	12	21.35	21.46	21.30		
5	64QAM	1	24	21.30	21.26	21.30		
5	64QAM	12	0	20.07	20.16	20.21	22	1.5
5	64QAM	12	7	20.12	20.23	20.07		
5	64QAM	12	13	20.17	20.14	20.05		
5	64QAM	25	0	20.17	20.22	20.25		
5	256QAM	1	0	18.22	18.40	18.19	20	3.5
5	256QAM	1	12	18.26	18.21	18.19		
5	256QAM	1	24	18.17	18.41	18.08		
5	256QAM	12	0	18.18	18.17	18.25	20	3.5
5	256QAM	12	7	18.14	18.28	18.01		
5	256QAM	12	13	18.14	18.18	18.07		
5	256QAM	25	0	18.11	18.41	18.11		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.72	21.88	21.71	23.5	0
3	QPSK	1	8	21.86	21.78	21.65		
3	QPSK	1	14	21.70	21.75	21.63		
3	QPSK	8	0	21.68	21.83	21.59	23.5	0
3	QPSK	8	4	21.76	21.67	21.61		
3	QPSK	8	7	21.57	21.70	21.57		
3	QPSK	15	0	21.62	21.68	21.57		
3	16QAM	1	0	21.68	21.77	21.58	23.5	0
3	16QAM	1	8	21.65	21.73	21.57		
3	16QAM	1	14	21.68	21.80	21.56		
3	16QAM	8	0	21.36	21.30	21.38	23	0.5
3	16QAM	8	4	21.03	21.21	21.12		
3	16QAM	8	7	21.18	21.29	21.24		
3	16QAM	15	0	21.12	21.28	21.26		
3	64QAM	1	0	21.36	21.45	21.43	23	0.5
3	64QAM	1	8	21.25	21.45	21.36		
3	64QAM	1	14	21.36	21.43	21.30		



3	64QAM	8	0	20.01	20.23	20.10	22	1.5
3	64QAM	8	4	20.16	20.24	20.06		
3	64QAM	8	7	20.19	20.25	20.13		
3	64QAM	15	0	20.08	20.19	20.17		
3	256QAM	1	0	18.20	18.28	18.25	20	3.5
3	256QAM	1	8	18.11	18.22	18.22		
3	256QAM	1	14	18.18	18.24	18.12		
3	256QAM	8	0	18.27	18.29	18.20	20	3.5
3	256QAM	8	4	18.15	18.22	18.12		
3	256QAM	8	7	18.15	18.09	18.24		
3	256QAM	15	0	18.12	18.36	18.16		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.73	21.78	21.73	23.5	0
1.4	QPSK	1	3	21.87	21.80	21.57		
1.4	QPSK	1	5	21.63	21.74	21.68		
1.4	QPSK	3	0	21.75	21.83	21.72		
1.4	QPSK	3	1	21.79	21.77	21.63		
1.4	QPSK	3	3	21.70	21.76	21.65		
1.4	QPSK	6	0	21.68	21.74	21.51	23.5	0
1.4	16QAM	1	0	21.78	21.69	21.55	23.5	0
1.4	16QAM	1	3	21.56	21.71	21.57		
1.4	16QAM	1	5	21.58	21.69	21.50		
1.4	16QAM	3	0	21.71	21.76	21.59		
1.4	16QAM	3	1	21.73	21.71	21.62		
1.4	16QAM	3	3	21.68	21.82	21.56		
1.4	16QAM	6	0	21.55	21.51	21.46	23	0.5
1.4	64QAM	1	0	21.12	21.15	21.25	23	0.5
1.4	64QAM	1	3	21.18	21.09	21.10		
1.4	64QAM	1	5	21.14	21.19	21.01		
1.4	64QAM	3	0	21.30	21.40	21.38		
1.4	64QAM	3	1	21.36	21.42	21.35		
1.4	64QAM	3	3	21.33	21.46	21.22		
1.4	64QAM	6	0	20.08	20.39	20.18	22	1.5
1.4	256QAM	1	0	18.11	18.19	18.08	20	3.5
1.4	256QAM	1	3	18.11	18.23	18.19		
1.4	256QAM	1	5	18.25	18.19	18.26		
1.4	256QAM	3	0	18.00	18.25	18.01		
1.4	256QAM	3	1	18.21	18.24	18.18		
1.4	256QAM	3	3	18.24	18.29	18.08		
1.4	256QAM	6	0	18.14	18.28	18.22	20	3.5



<TDD LTE SAR Measurement>

TDD LTE configuration setup for SAR measurement

SAR was tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- “special subframe S” contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS
- Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Anritsu MT8820C (firmware: #22.52#004) was used for LTE output power measurements and SAR testing.

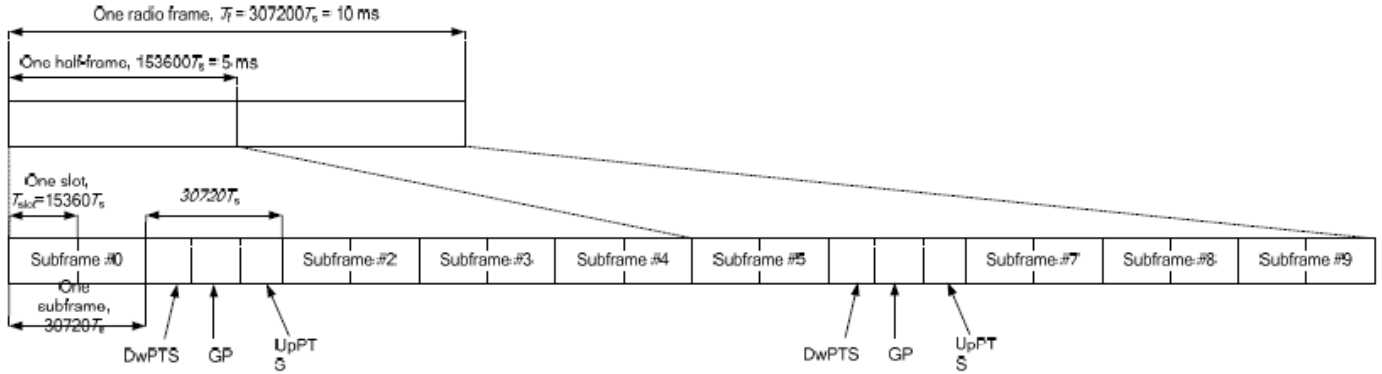


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-



Special subframe (30720·T _s): Normal cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
Uplink duty factor in one special subframe	0~4	7.13%	8.33%
	5~9	14.3%	16.7%

Special subframe(30720·T _s): Extended cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
Uplink duty factor in one special subframe	0~3	7.13%	8.33%
	4~7	14.3%	16.7%

The highest duty factor is resulted from:

For LTE TDD Power class 2

- Uplink-downlink configuration: 1. In a half-frame consisted of 5 subframes, uplink operation is in 2 uplink subframes and 1 special subframe.
- special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is: $(2+0.167)/5 = 43.3\%$
- for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is: $(2+0.143)/5 = 42.9\%$
- For TDD LTE SAR measurement, the duty cycle 1:2.33 (42.9 %) was used perform testing and considering the theoretical duty cycle of 43.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 42.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix $43.3\%/42.9\% = 1.009$ is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

For LTE TDD Power class 3

- Uplink-downlink configuration: 0. In a half-frame consisted of 5 subframes, uplink operation is in 3 uplink subframes and 1 special subframe.
- special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is: $(3+0.167)/5 = 63.3\%$
- for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is: $(3+0.143)/5 = 62.9\%$
- For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix $63.3\%/62.9\% = 1.006$ is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

The device can adjust uplink/downlink configuration automatically according to the transmitting power class level, as followings:

LTE TDD Band	Power Class level	support uplink/downlink configuration
LTE Band 41	> 23	1,2,3,4,5
	=23	0,1,2,3,4,5,6
	< 23	0,1,2,3,4,5,6

Full&Default Power Mode

Band 38 Ant3 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.70	22.77	22.69	24	0
20	QPSK	1	49	22.76	22.68	22.61		
20	QPSK	1	99	22.54	22.63	22.58		
20	QPSK	50	0	21.76	21.80	21.64	23	1
20	QPSK	50	24	21.56	21.60	21.64		
20	QPSK	50	50	21.78	21.75	21.70		
20	QPSK	100	0	21.68	21.78	21.76	23	1
20	16QAM	1	0	21.66	21.73	21.79		
20	16QAM	1	49	21.78	21.69	21.78		
20	16QAM	1	99	21.75	21.73	21.73	22	2
20	16QAM	50	0	20.76	20.74	20.66		
20	16QAM	50	24	20.51	20.61	20.69		
20	16QAM	50	50	20.72	20.70	20.69	22	2
20	16QAM	100	0	20.71	20.68	20.67		
20	64QAM	1	0	20.30	20.35	20.31		
20	64QAM	1	49	20.34	20.36	20.37	22	2
20	64QAM	1	99	20.23	20.28	20.36		
20	64QAM	50	0	19.71	19.71	19.76		
20	64QAM	50	24	19.68	19.77	19.72	21	3
20	64QAM	50	50	19.64	19.69	19.78		
20	64QAM	100	0	19.86	19.79	19.70		
20	256QAM	1	0	17.81	17.90	17.82	19	5
20	256QAM	1	49	17.63	17.71	17.78		
20	256QAM	1	99	17.94	17.85	17.80		
20	256QAM	50	0	17.67	17.70	17.76	19	5
20	256QAM	50	24	17.81	17.77	17.73		
20	256QAM	50	50	17.81	17.73	17.68		
20	256QAM	100	0	17.84	17.84	17.83		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.60	22.62	22.60	24	0
15	QPSK	1	37	22.63	22.59	22.48		
15	QPSK	1	74	22.42	22.56	22.52		
15	QPSK	36	0	21.52	21.55	21.52	23	1
15	QPSK	36	20	21.48	21.55	21.54		
15	QPSK	36	39	21.62	21.67	21.72		
15	QPSK	75	0	21.65	21.56	21.73	23	1
15	16QAM	1	0	21.56	21.61	21.66		
15	16QAM	1	37	21.62	21.57	21.71		
15	16QAM	1	74	21.58	21.59	21.56		

15	16QAM	36	0	20.67	20.65	20.63	22	2
15	16QAM	36	20	20.35	20.58	20.56		
15	16QAM	36	39	20.56	20.67	20.61		
15	16QAM	75	0	20.65	20.65	20.54		
15	64QAM	1	0	20.22	20.19	20.14	22	2
15	64QAM	1	37	20.28	20.23	20.27		
15	64QAM	1	74	20.14	20.24	20.33		
15	64QAM	36	0	19.61	19.53	19.66	21	3
15	64QAM	36	20	19.56	19.71	19.64		
15	64QAM	36	39	19.49	19.51	19.60		
15	64QAM	75	0	19.79	19.72	19.64		
15	256QAM	1	0	17.79	17.82	17.79	19	5
15	256QAM	1	37	17.48	17.55	17.73		
15	256QAM	1	74	17.79	17.82	17.63		
15	256QAM	36	0	17.60	17.66	17.59	19	5
15	256QAM	36	20	17.63	17.71	17.66		
15	256QAM	36	39	17.73	17.60	17.52		
15	256QAM	75	0	17.81	17.68	17.73		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.63	22.66	22.51	24	0
10	QPSK	1	25	22.60	22.54	22.53		
10	QPSK	1	49	22.40	22.56	22.42		
10	QPSK	25	0	21.48	21.63	21.54	23	1
10	QPSK	25	12	21.51	21.45	21.56		
10	QPSK	25	25	21.75	21.57	21.65		
10	QPSK	50	0	21.53	21.49	21.72		
10	16QAM	1	0	21.58	21.68	21.65	23	1
10	16QAM	1	25	21.61	21.67	21.62		
10	16QAM	1	49	21.61	21.64	21.71		
10	16QAM	25	0	20.65	20.67	20.60	22	2
10	16QAM	25	12	20.45	20.48	20.52		
10	16QAM	25	25	20.58	20.53	20.58		
10	16QAM	50	0	20.56	20.63	20.65		
10	64QAM	1	0	20.13	20.22	20.24	22	2
10	64QAM	1	25	20.19	20.21	20.31		
10	64QAM	1	49	20.19	20.16	20.28		
10	64QAM	25	0	19.57	19.56	19.73	21	3
10	64QAM	25	12	19.60	19.70	19.58		
10	64QAM	25	25	19.50	19.57	19.63		
10	64QAM	50	0	19.72	19.75	19.65		
10	256QAM	1	0	17.67	17.77	17.70	19	5
10	256QAM	1	25	17.50	17.55	17.62		
10	256QAM	1	49	17.83	17.75	17.70		
10	256QAM	25	0	17.59	17.65	17.69	19	5
10	256QAM	25	12	17.73	17.67	17.63		
10	256QAM	25	25	17.75	17.65	17.57		
10	256QAM	50	0	17.66	17.80	17.66		
Channel				37775	38000	38225	Tune-up limit	MPR

Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)
5	QPSK	1	0	22.66	22.67	22.60	24	0
5	QPSK	1	12	22.70	22.66	22.54		
5	QPSK	1	24	22.47	22.54	22.44		
5	QPSK	12	0	21.52	21.62	21.48	23	1
5	QPSK	12	7	21.53	21.56	21.49		
5	QPSK	12	13	21.69	21.57	21.74		
5	QPSK	25	0	21.56	21.56	21.74		
5	16QAM	1	0	21.49	21.70	21.77	23	1
5	16QAM	1	12	21.76	21.61	21.64		
5	16QAM	1	24	21.59	21.71	21.58		
5	16QAM	12	0	20.63	20.61	20.64	22	2
5	16QAM	12	7	20.44	20.52	20.53		
5	16QAM	12	13	20.64	20.62	20.61		
5	16QAM	25	0	20.59	20.65	20.52		
5	64QAM	1	0	20.22	20.20	20.17	22	2
5	64QAM	1	12	20.26	20.31	20.28		
5	64QAM	1	24	20.14	20.20	20.20		
5	64QAM	12	0	19.62	19.58	19.71	21	3
5	64QAM	12	7	19.55	19.63	19.64		
5	64QAM	12	13	19.51	19.53	19.69		
5	64QAM	25	0	19.69	19.74	19.58		
5	256QAM	1	0	17.70	17.76	17.76	19	5
5	256QAM	1	12	17.50	17.54	17.74		
5	256QAM	1	24	17.85	17.82	17.70		
5	256QAM	12	0	17.55	17.54	17.65	19	5
5	256QAM	12	7	17.69	17.67	17.61		
5	256QAM	12	13	17.79	17.62	17.58		
5	256QAM	25	0	17.77	17.68	17.73		

Band 41 Ant3 Default											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.69	22.67	22.70	22.81	22.72	22.78		
20	QPSK	1	49	22.73	22.77	22.72	22.78	22.71	22.70	23	1
20	QPSK	1	99	22.77	22.78	22.67	22.75	22.79	22.78		
20	QPSK	50	0	21.80	21.81	21.76	21.83	21.74	21.71		
20	QPSK	50	24	21.55	21.60	21.65	21.57	21.50	21.65		
20	QPSK	50	50	21.68	21.73	21.66	21.74	21.79	21.82	23	1
20	QPSK	100	0	21.70	21.71	21.65	21.73	21.60	21.63		
20	16QAM	1	0	21.56	21.57	21.56	21.60	21.60	21.64		
20	16QAM	1	49	21.65	21.68	21.67	21.63	21.65	21.61	22	2
20	16QAM	1	99	21.56	21.43	21.49	21.48	21.42	21.42		
20	16QAM	50	0	20.76	20.70	20.77	20.76	20.70	20.72		
20	16QAM	50	24	20.68	20.73	20.72	20.69	20.76	20.67	22	2



20	16QAM	50	50	20.66	20.61	20.59	20.60	20.62	20.65		
20	16QAM	100	0	20.71	20.77	20.80	20.74	20.77	20.78		
20	64QAM	1	0	20.22	20.29	20.29	20.27	20.23	20.27	22	2
20	64QAM	1	49	20.31	20.27	20.27	20.32	20.37	20.38		
20	64QAM	1	99	20.43	20.50	20.38	20.43	20.42	20.36	21	3
20	64QAM	50	0	19.76	19.71	19.69	19.68	19.76	19.69		
20	64QAM	50	24	19.51	19.55	19.56	19.57	19.63	19.60		
20	64QAM	50	50	19.60	19.70	19.71	19.65	19.60	19.58		
20	64QAM	100	0	19.66	19.75	19.62	19.68	19.68	19.74	19	5
20	256QAM	1	0	17.74	17.81	17.81	17.78	17.86	17.79		
20	256QAM	1	49	17.71	17.75	17.68	17.74	17.81	17.79		
20	256QAM	1	99	17.57	17.60	17.54	17.58	17.61	17.57	19	5
20	256QAM	50	0	17.72	17.61	17.66	17.67	17.64	17.62		
20	256QAM	50	24	17.78	17.86	17.87	17.81	17.86	17.80		
20	256QAM	50	50	17.60	17.60	17.73	17.66	17.73	17.64		
20	256QAM	100	0	17.87	17.83	17.93	17.89	17.83	17.85	Tune-up limit (dBm)	MPR (dB)
Channel				39765	39725	40173	40620	41068	41515		
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5	24.00	0
15	QPSK	1	0	22.55	22.64	22.55	22.67	22.63	22.70		
15	QPSK	1	37	22.56	22.66	22.59	22.68	22.64	22.52		
15	QPSK	1	74	22.70	22.65	22.50	22.64	22.65	22.71	23	1
15	QPSK	36	0	21.49	21.60	21.49	21.41	21.62	21.44		
15	QPSK	36	20	21.44	21.57	21.53	21.40	21.46	21.54		
15	QPSK	36	39	21.60	21.61	21.48	21.64	21.71	21.67		
15	QPSK	75	0	21.61	21.69	21.63	21.59	21.48	21.55	23	1
15	16QAM	1	0	21.49	21.43	21.47	21.53	21.46	21.54		
15	16QAM	1	37	21.54	21.62	21.56	21.56	21.58	21.54		
15	16QAM	1	74	21.38	21.39	21.44	21.45	21.28	21.37	22	2
15	16QAM	36	0	20.69	20.63	20.69	20.61	20.63	20.66		
15	16QAM	36	20	20.54	20.62	20.70	20.55	20.60	20.56		
15	16QAM	36	39	20.59	20.52	20.54	20.55	20.53	20.61		
15	16QAM	75	0	20.57	20.61	20.65	20.68	20.71	20.68	22	2
15	64QAM	1	0	20.06	20.12	20.26	20.23	20.18	20.24		
15	64QAM	1	37	20.23	20.10	20.10	20.23	20.21	20.35		
15	64QAM	1	74	20.32	20.39	20.34	20.29	20.25	20.33	21	3
15	64QAM	36	0	19.67	19.59	19.58	19.63	19.68	19.59		
15	64QAM	36	20	19.35	19.46	19.53	19.47	19.50	19.55		
15	64QAM	36	39	19.47	19.64	19.55	19.47	19.54	19.42		
15	64QAM	75	0	19.62	19.63	19.53	19.60	19.57	19.67	19	5
15	256QAM	1	0	17.68	17.66	17.74	17.74	17.82	17.68		
15	256QAM	1	37	17.61	17.67	17.62	17.70	17.66	17.76		
15	256QAM	1	74	17.43	17.49	17.50	17.49	17.57	17.54	19	5
15	256QAM	36	0	17.58	17.48	17.64	17.61	17.57	17.49		
15	256QAM	36	20	17.71	17.81	17.73	17.70	17.83	17.75		
15	256QAM	36	39	17.55	17.45	17.66	17.63	17.57	17.56		
15	256QAM	75	0	17.76	17.74	17.84	17.85	17.74	17.74	Tune-up limit (dBm)	MPR (dB)
Channel				39740	39700	40160	40620	41080	41540		
Frequency (MHz)				2505	2501	2547	2593	2639	2685	24.00	0
10	QPSK	1	0	22.64	22.61	22.61	22.64	22.57	22.61		



10	QPSK	1	25	22.66	22.71	22.61	22.71	22.67	22.62		
10	QPSK	1	49	22.65	22.64	22.49	22.66	22.74	22.64		
10	QPSK	25	0	21.49	21.47	21.53	21.55	21.58	21.42	23	1
10	QPSK	25	12	21.51	21.44	21.58	21.48	21.39	21.49		
10	QPSK	25	25	21.53	21.69	21.58	21.62	21.70	21.68		
10	QPSK	50	0	21.58	21.55	21.49	21.52	21.53	21.55		
10	16QAM	1	0	21.41	21.54	21.52	21.52	21.45	21.49	23	1
10	16QAM	1	25	21.56	21.51	21.54	21.54	21.62	21.53		
10	16QAM	1	49	21.51	21.30	21.40	21.41	21.25	21.36		
10	16QAM	25	0	20.73	20.62	20.66	20.66	20.53	20.60	22	2
10	16QAM	25	12	20.56	20.62	20.65	20.65	20.65	20.55		
10	16QAM	25	25	20.53	20.47	20.50	20.57	20.51	20.61		
10	16QAM	50	0	20.63	20.73	20.67	20.64	20.61	20.74		
10	64QAM	1	0	20.09	20.18	20.13	20.19	20.21	20.19	22	2
10	64QAM	1	25	20.28	20.17	20.10	20.23	20.31	20.36		
10	64QAM	1	49	20.37	20.37	20.33	20.35	20.27	20.24		
10	64QAM	25	0	19.62	19.58	19.53	19.51	19.63	19.61	21	3
10	64QAM	25	12	19.34	19.53	19.52	19.43	19.59	19.52		
10	64QAM	25	25	19.44	19.53	19.61	19.49	19.56	19.46		
10	64QAM	50	0	19.62	19.64	19.49	19.53	19.54	19.68		
10	256QAM	1	0	17.62	17.74	17.69	17.63	17.80	17.72	19	5
10	256QAM	1	25	17.54	17.68	17.59	17.70	17.75	17.65		
10	256QAM	1	49	17.51	17.57	17.49	17.44	17.45	17.46		
10	256QAM	25	0	17.63	17.58	17.53	17.58	17.59	17.50	19	5
10	256QAM	25	12	17.73	17.81	17.74	17.75	17.81	17.76		
10	256QAM	25	25	17.54	17.53	17.57	17.58	17.70	17.47		
10	256QAM	50	0	17.74	17.78	17.85	17.85	17.67	17.71		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.61	22.64	22.62	22.75	22.63	22.70	24.00	0
5	QPSK	1	12	22.57	22.70	22.55	22.72	22.54	22.66		
5	QPSK	1	24	22.62	22.60	22.57	22.68	22.72	22.71		
5	QPSK	12	0	21.61	21.51	21.39	21.43	21.55	21.34	23	1
5	QPSK	12	7	21.49	21.52	21.62	21.51	21.45	21.54		
5	QPSK	12	13	21.56	21.61	21.56	21.62	21.67	21.80		
5	QPSK	25	0	21.53	21.61	21.62	21.60	21.51	21.59		
5	16QAM	1	0	21.38	21.45	21.48	21.57	21.51	21.50	23	1
5	16QAM	1	12	21.62	21.53	21.56	21.52	21.59	21.54		
5	16QAM	1	24	21.42	21.25	21.41	21.37	21.30	21.39		
5	16QAM	12	0	20.61	20.64	20.61	20.67	20.56	20.64	22	2
5	16QAM	12	7	20.61	20.68	20.66	20.65	20.64	20.57		
5	16QAM	12	13	20.56	20.47	20.47	20.46	20.44	20.50		
5	16QAM	25	0	20.57	20.71	20.75	20.59	20.61	20.68		
5	64QAM	1	0	20.05	20.14	20.16	20.10	20.13	20.13	22	2
5	64QAM	1	12	20.19	20.13	20.22	20.19	20.31	20.23		
5	64QAM	1	24	20.32	20.35	20.22	20.31	20.27	20.26		
5	64QAM	12	0	19.64	19.66	19.54	19.58	19.64	19.54	21	3
5	64QAM	12	7	19.43	19.47	19.50	19.44	19.59	19.49		
5	64QAM	12	13	19.55	19.61	19.54	19.63	19.55	19.47		

5	64QAM	25	0	19.61	19.61	19.51	19.64	19.60	19.63		
5	256QAM	1	0	17.66	17.69	17.67	17.75	17.76	17.67	19	5
5	256QAM	1	12	17.57	17.68	17.58	17.69	17.67	17.66		
5	256QAM	1	24	17.47	17.54	17.43	17.49	17.50	17.53		
5	256QAM	12	0	17.64	17.47	17.53	17.50	17.60	17.53	19	5
5	256QAM	12	7	17.75	17.83	17.77	17.66	17.72	17.62		
5	256QAM	12	13	17.46	17.50	17.67	17.52	17.61	17.54		
5	256QAM	25	0	17.77	17.75	17.77	17.82	17.65	17.76		

Band 41 HPUE Ant3 Default											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	25.77	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39790	39750	40185	40620	41055	41490		
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.89	25.76	25.90	26.01	25.91	25.96	27	0
20	QPSK	1	49	25.94	25.93	25.89	25.93	26.00	25.90		
20	QPSK	1	99	25.87	25.88	25.83	25.87	25.90	25.95		
20	QPSK	50	0	24.95	24.86	24.94	25.04	24.87	24.86	26	1
20	QPSK	50	24	24.99	24.96	24.95	24.97	24.91	24.94		
20	QPSK	50	50	24.93	24.98	24.97	24.92	24.90	25.00		
20	QPSK	100	0	24.99	25.10	24.98	25.11	25.00	24.98	26	1
20	16QAM	1	0	25.24	25.29	25.18	25.22	25.22	25.19		
20	16QAM	1	49	25.10	25.15	25.20	25.13	25.09	25.06		
20	16QAM	1	99	25.22	25.18	25.23	25.18	25.23	25.22	25	2
20	16QAM	50	0	23.92	23.94	23.89	23.91	23.99	23.97		
20	16QAM	50	24	23.98	23.89	23.95	23.92	23.88	23.93		
20	16QAM	50	50	23.93	23.95	23.82	23.88	23.81	23.92	25	2
20	16QAM	100	0	23.97	23.92	23.92	23.99	24.06	24.06		
20	64QAM	1	0	23.86	23.85	23.97	23.90	23.96	23.83		
20	64QAM	1	49	23.78	23.76	23.67	23.75	23.79	23.82	24	3
20	64QAM	1	99	23.75	23.74	23.82	23.76	23.81	23.82		
20	64QAM	50	0	23.02	23.05	22.97	23.01	23.07	23.01		
20	64QAM	50	24	22.89	22.96	22.93	22.94	22.95	22.89	22	5
20	64QAM	50	50	23.06	23.19	23.18	23.13	23.11	23.18		
20	64QAM	100	0	22.99	22.89	23.00	22.93	22.90	22.93		
20	256QAM	1	0	21.10	21.23	21.14	21.15	21.15	21.09	22	5
20	256QAM	1	49	21.30	21.20	21.28	21.24	21.31	21.30		
20	256QAM	1	99	21.18	21.16	21.12	21.16	21.20	21.23		
20	256QAM	50	0	20.90	21.02	20.95	20.96	20.94	20.95	22	5
20	256QAM	50	24	21.11	21.02	21.01	21.07	21.12	21.03		
20	256QAM	50	50	20.91	20.92	21.00	20.97	20.94	21.02		
20	256QAM	100	0	21.14	21.16	21.19	21.13	21.07	21.08	27.00	0
Channel				39765	39725	40173	40620	41068	41515		
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.79	25.64	25.86	25.96	25.77	25.81	27.00	0
15	QPSK	1	37	25.86	25.84	25.86	25.90	25.94	25.84		
15	QPSK	1	74	25.74	25.71	25.77	25.73	25.82	25.91		



15	QPSK	36	0	24.81	24.77	24.80	24.83	24.77	24.76	26	1
15	QPSK	36	20	24.85	24.92	24.79	24.89	25.01	24.88		
15	QPSK	36	39	24.78	24.85	24.88	24.77	24.72	24.97		
15	QPSK	75	0	24.85	24.95	24.82	24.85	24.91	24.86	26	1
15	16QAM	1	0	25.11	25.20	25.03	25.14	25.08	25.09		
15	16QAM	1	37	25.01	25.05	25.10	25.03	24.94	24.88		
15	16QAM	1	74	25.19	25.02	25.20	25.10	25.14	25.16	25	2
15	16QAM	36	0	23.83	23.82	23.85	23.81	23.94	23.92		
15	16QAM	36	20	23.92	23.79	23.84	23.85	23.86	23.75		
15	16QAM	36	39	23.86	23.91	23.65	23.82	23.65	23.77	25	2
15	16QAM	75	0	23.93	23.82	23.87	23.85	23.91	23.95		
15	64QAM	1	0	23.75	23.70	23.81	23.88	23.81	23.74		
15	64QAM	1	37	23.67	23.65	23.63	23.62	23.63	23.74	25	2
15	64QAM	1	74	23.58	23.66	23.73	23.71	23.63	23.69		
15	64QAM	36	0	22.98	22.94	22.81	22.83	22.92	22.92	24	3
15	64QAM	36	20	22.83	22.87	22.77	22.81	22.80	22.72		
15	64QAM	36	39	22.98	23.03	23.12	22.99	22.96	23.03		
15	64QAM	75	0	22.90	22.75	22.94	22.88	22.80	22.89	22	5
15	256QAM	1	0	20.98	21.11	21.11	21.03	20.99	21.07		
15	256QAM	1	37	21.19	21.09	21.23	21.20	21.20	21.26		
15	256QAM	1	74	21.08	21.12	21.01	21.13	21.09	21.11	22	5
15	256QAM	36	0	20.78	20.91	20.81	20.82	20.79	20.91		
15	256QAM	36	20	21.06	20.91	20.86	20.95	21.02	20.94		
15	256QAM	36	39	20.77	20.75	20.95	20.88	20.90	20.97	22	5
15	256QAM	75	0	21.00	21.02	21.03	21.08	20.95	20.98		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	25.80	25.64	25.74	25.87	25.77	25.90	27.00	0
10	QPSK	1	25	25.76	25.82	25.85	25.81	25.82	25.76		
10	QPSK	1	49	25.71	25.76	25.70	25.80	25.74	25.85		
10	QPSK	25	0	24.82	24.74	24.88	24.74	24.74	24.72	26	1
10	QPSK	25	12	24.88	24.94	24.92	24.91	24.96	24.88		
10	QPSK	25	25	24.82	24.90	24.81	24.76	24.82	24.95		
10	QPSK	50	0	24.94	24.99	24.90	24.80	24.90	24.81	26	1
10	16QAM	1	0	25.19	25.21	25.00	25.12	25.06	25.13		
10	16QAM	1	25	24.96	24.98	25.16	24.97	25.03	24.91		
10	16QAM	1	49	25.18	25.14	25.18	25.10	25.09	25.13	25	2
10	16QAM	25	0	23.78	23.92	23.76	23.77	23.90	23.80		
10	16QAM	25	12	23.92	23.79	23.83	23.84	23.81	23.75		
10	16QAM	25	25	23.84	23.93	23.73	23.77	23.66	23.81	25	2
10	16QAM	50	0	23.85	23.82	23.81	23.92	23.99	23.93		
10	64QAM	1	0	23.83	23.82	23.88	23.81	23.83	23.67		
10	64QAM	1	25	23.71	23.58	23.63	23.73	23.62	23.71	25	2
10	64QAM	1	49	23.64	23.65	23.69	23.73	23.72	23.67		
10	64QAM	25	0	22.87	22.93	22.92	22.89	22.90	22.95		
10	64QAM	25	12	22.74	22.87	22.84	22.80	22.82	22.77	24	3
10	64QAM	25	25	22.91	23.10	23.12	23.08	22.99	23.07		
10	64QAM	50	0	22.84	22.86	22.92	22.75	22.82	22.90		
10	256QAM	1	0	21.03	21.14	21.12	20.99	21.03	20.97	22	5



10	256QAM	1	25	21.23	21.06	21.13	21.10	21.16	21.24		
10	256QAM	1	49	21.14	21.10	20.99	21.00	21.03	21.20		
10	256QAM	25	0	20.80	20.95	20.82	20.78	20.84	20.85		
10	256QAM	25	12	20.96	20.91	20.92	21.02	21.07	20.93	22	5
10	256QAM	25	25	20.85	20.85	20.85	20.84	20.86	20.87		
10	256QAM	50	0	21.09	21.13	21.07	21.05	21.03	20.99		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	25.71	25.70	25.73	25.94	25.73	25.82	27.00	0
5	QPSK	1	12	25.83	25.82	25.75	25.89	25.82	25.73		
5	QPSK	1	24	25.72	25.83	25.81	25.76	25.78	25.81		
5	QPSK	12	0	24.84	24.83	24.79	24.87	24.78	24.76	26	1
5	QPSK	12	7	24.85	24.92	24.91	24.80	24.99	24.80		
5	QPSK	12	13	24.88	24.86	24.80	24.90	24.74	24.88		
5	QPSK	25	0	24.85	24.94	24.81	24.82	24.90	24.95		
5	16QAM	1	0	25.07	25.14	25.00	25.11	25.10	25.09	26	1
5	16QAM	1	12	25.01	25.01	25.18	24.98	24.95	24.93		
5	16QAM	1	24	25.14	25.02	25.17	25.01	25.18	25.07		
5	16QAM	12	0	23.90	23.84	23.77	23.75	23.92	23.93	25	2
5	16QAM	12	7	23.87	23.81	23.82	23.79	23.86	23.82		
5	16QAM	12	13	23.78	23.83	23.71	23.73	23.77	23.80		
5	16QAM	25	0	23.89	23.86	23.74	23.85	23.93	23.94		
5	64QAM	1	0	23.83	23.78	23.87	23.75	23.88	23.76	25	2
5	64QAM	1	12	23.70	23.66	23.61	23.64	23.76	23.69		
5	64QAM	1	24	23.66	23.66	23.79	23.61	23.73	23.72		
5	64QAM	12	0	23.00	23.00	22.95	22.94	22.95	22.94	24	3
5	64QAM	12	7	22.75	22.83	22.79	22.78	22.80	22.84		
5	64QAM	12	13	22.95	23.14	23.01	23.07	23.00	23.02		
5	64QAM	25	0	22.84	22.84	22.97	22.77	22.81	22.78		
5	256QAM	1	0	21.00	21.08	21.11	21.03	21.06	20.97	22	5
5	256QAM	1	12	21.24	21.06	21.17	21.12	21.23	21.23		
5	256QAM	1	24	21.04	21.06	21.02	21.13	21.11	21.19		
5	256QAM	12	0	20.85	20.97	20.83	20.83	20.84	20.85	22	5
5	256QAM	12	7	21.08	20.84	20.98	20.98	20.97	20.92		
5	256QAM	12	13	20.74	20.80	20.95	20.93	20.92	20.92		
5	256QAM	25	0	20.97	21.04	21.12	21.09	20.90	20.91		

Band 48 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.79	21.90	21.86	21.85	23	0
20	QPSK	1	49	21.81	21.82	21.84	21.77		
20	QPSK	1	99	21.79	21.81	21.76	21.74		
20	QPSK	50	0	20.97	21.13	20.86	20.99	22	1
20	QPSK	50	24	21.00	20.96	21.00	20.97		
20	QPSK	50	50	20.95	20.96	21.02	20.92		
20	QPSK	100	0	20.90	21.07	21.02	20.93		
20	16QAM	1	0	20.80	20.73	20.69	20.78	22	1
20	16QAM	1	49	20.77	20.75	20.70	20.68		
20	16QAM	1	99	20.70	20.73	20.70	20.65		
20	16QAM	50	0	19.82	19.80	19.83	19.85	21	2
20	16QAM	50	24	19.92	19.97	19.93	19.97		
20	16QAM	50	50	20.01	19.99	19.96	19.94		
20	16QAM	100	0	19.88	19.94	19.97	19.96		
20	64QAM	1	0	19.74	19.69	19.71	19.77	21	2
20	64QAM	1	49	19.65	19.66	19.67	19.64		
20	64QAM	1	99	19.71	19.64	19.66	19.64		
20	64QAM	50	0	19.02	18.95	19.02	18.99	20	3
20	64QAM	50	24	18.78	18.74	18.72	18.80		
20	64QAM	50	50	19.02	18.95	18.96	18.90		
20	64QAM	100	0	18.88	18.82	18.86	18.83		
20	256QAM	1	0	16.72	16.79	16.75	16.76	18	5
20	256QAM	1	49	16.79	16.72	16.69	16.65		
20	256QAM	1	99	16.70	16.72	16.70	16.71		
20	256QAM	50	0	17.02	17.02	17.09	17.06	18	5
20	256QAM	50	24	16.97	17.02	17.05	16.94		
20	256QAM	50	50	16.79	16.80	16.81	16.73		
20	256QAM	100	0	16.97	16.92	16.98	16.91		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.62	21.79	21.71	21.69	23	0
15	QPSK	1	37	21.77	21.73	21.66	21.64		
15	QPSK	1	74	21.72	21.74	21.71	21.70		
15	QPSK	36	0	20.80	20.75	20.80	20.84	22	1
15	QPSK	36	20	20.91	20.88	20.84	20.94		
15	QPSK	36	39	20.87	20.90	20.99	20.82		
15	QPSK	75	0	20.81	20.89	20.89	20.81		
15	16QAM	1	0	20.72	20.66	20.60	20.64	22	1
15	16QAM	1	37	20.63	20.66	20.58	20.60		
15	16QAM	1	74	20.61	20.60	20.64	20.65		
15	16QAM	36	0	19.65	19.73	19.67	19.81	21	2



15	16QAM	36	20	19.78	19.95	19.83	19.82		
15	16QAM	36	39	19.91	19.92	19.80	19.90		
15	16QAM	75	0	19.76	19.91	19.81	19.85		
15	64QAM	1	0	19.59	19.52	19.58	19.61	21	2
15	64QAM	1	37	19.67	19.66	19.54	19.56		
15	64QAM	1	74	19.56	19.52	19.54	19.51		
15	64QAM	36	0	18.98	18.81	18.98	18.90	20	3
15	64QAM	36	20	18.69	18.58	18.57	18.63		
15	64QAM	36	39	18.84	18.91	18.89	18.86		
15	64QAM	75	0	18.76	18.74	18.78	18.71	18	5
15	256QAM	1	0	16.56	16.61	16.66	16.71		
15	256QAM	1	37	16.70	16.63	16.53	16.55		
15	256QAM	1	74	16.67	16.69	16.58	16.59	18	5
15	256QAM	36	0	16.86	16.94	16.98	16.91		
15	256QAM	36	20	16.82	16.84	16.99	16.86		
15	256QAM	36	39	16.63	16.75	16.79	16.57	18	5
15	256QAM	75	0	16.81	16.85	16.84	16.78		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.66	21.83	21.82	21.67	23	0
10	QPSK	1	25	21.71	21.71	21.71	21.64		
10	QPSK	1	49	21.74	21.77	21.69	21.65		
10	QPSK	25	0	20.81	20.84	20.84	20.97	22	1
10	QPSK	25	12	20.90	20.83	20.87	20.90		
10	QPSK	25	25	20.79	20.85	20.96	20.76		
10	QPSK	50	0	20.74	20.94	20.95	20.80	22	1
10	16QAM	1	0	20.71	20.56	20.53	20.66		
10	16QAM	1	25	20.70	20.58	20.63	20.62		
10	16QAM	1	49	20.65	20.64	20.63	20.61	21	2
10	16QAM	25	0	19.73	19.73	19.73	19.81		
10	16QAM	25	12	19.89	19.81	19.82	19.89		
10	16QAM	25	25	19.89	19.94	19.80	19.91	21	2
10	16QAM	50	0	19.72	19.91	19.89	19.84		
10	64QAM	1	0	19.67	19.53	19.67	19.60		
10	64QAM	1	25	19.59	19.56	19.51	19.62	20	3
10	64QAM	1	49	19.67	19.53	19.55	19.65		
10	64QAM	25	0	18.99	18.86	18.88	18.93		
10	64QAM	25	12	18.69	18.66	18.63	18.73	18	5
10	64QAM	25	25	18.88	18.80	18.89	18.83		
10	64QAM	50	0	18.84	18.68	18.71	18.75		
10	256QAM	1	0	16.66	16.61	16.64	16.66	18	5
10	256QAM	1	25	16.77	16.67	16.58	16.50		
10	256QAM	1	49	16.52	16.57	16.58	16.54		
10	256QAM	25	0	16.91	16.88	17.02	17.03	18	5
10	256QAM	25	12	16.95	16.92	16.90	16.89		
10	256QAM	25	25	16.70	16.76	16.66	16.62		
10	256QAM	50	0	16.91	16.83	16.95	16.87	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		



5	QPSK	1	0	21.68	21.77	21.79	21.78	23	0
5	QPSK	1	12	21.73	21.66	21.68	21.72		
5	QPSK	1	24	21.65	21.72	21.74	21.57		
5	QPSK	12	0	20.86	20.82	20.78	20.94	22	1
5	QPSK	12	7	20.89	20.88	20.98	20.90		
5	QPSK	12	13	20.77	20.81	20.84	20.81		
5	QPSK	25	0	20.84	20.81	20.89	20.90		
5	16QAM	1	0	20.72	20.70	20.54	20.75	22	1
5	16QAM	1	12	20.60	20.63	20.56	20.52		
5	16QAM	1	24	20.53	20.64	20.67	20.55		
5	16QAM	12	0	19.69	19.64	19.67	19.72	21	2
5	16QAM	12	7	19.86	19.85	19.83	19.82		
5	16QAM	12	13	19.97	19.83	19.91	19.79		
5	16QAM	25	0	19.76	19.79	19.91	19.93		
5	64QAM	1	0	19.59	19.64	19.65	19.64	21	2
5	64QAM	1	12	19.50	19.53	19.59	19.52		
5	64QAM	1	24	19.56	19.51	19.56	19.76		
5	64QAM	12	0	18.93	18.87	18.90	18.85	20	3
5	64QAM	12	7	18.65	18.71	18.63	18.75		
5	64QAM	12	13	18.89	18.81	18.83	18.80		
5	64QAM	25	0	18.77	18.75	18.71	18.75		
5	256QAM	1	0	16.67	16.65	16.73	16.58	18	5
5	256QAM	1	12	16.75	16.61	16.58	16.57		
5	256QAM	1	24	16.63	16.56	16.65	16.55		
5	256QAM	12	0	16.96	16.99	17.00	17.02	18	5
5	256QAM	12	7	16.94	16.89	16.97	16.89		
5	256QAM	12	13	16.69	16.66	16.78	16.63		
5	256QAM	25	0	16.83	16.76	16.81	16.76		

Reduced Power Mode for DSI 0

Band 38 Ant3 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.97	22.23	22.12	22.8	0
20	QPSK	1	49	21.97	22.14	22.13		
20	QPSK	1	99	22.04	22.10	22.15		
20	QPSK	50	0	21.76	21.80	21.64	22.8	0
20	QPSK	50	24	21.56	21.60	21.64		
20	QPSK	50	50	21.78	21.75	21.70		
20	QPSK	100	0	21.68	21.78	21.76	22.8	0
20	16QAM	1	0	21.66	21.73	21.79		
20	16QAM	1	49	21.78	21.69	21.78		
20	16QAM	1	99	21.75	21.73	21.73	22	0.8
20	16QAM	50	0	20.76	20.74	20.66		
20	16QAM	50	24	20.51	20.61	20.69		
20	16QAM	50	50	20.72	20.70	20.69	22	0.8
20	16QAM	100	0	20.71	20.68	20.67		
20	64QAM	1	0	20.30	20.35	20.31		
20	64QAM	1	49	20.34	20.36	20.37	21	1.8
20	64QAM	1	99	20.23	20.28	20.36		
20	64QAM	50	0	19.71	19.71	19.76		
20	64QAM	50	24	19.68	19.77	19.72	19	3.8
20	64QAM	50	50	19.64	19.69	19.78		
20	64QAM	100	0	19.86	19.79	19.70		
20	256QAM	1	0	17.81	17.90	17.82	19	3.8
20	256QAM	1	49	17.63	17.71	17.78		
20	256QAM	1	99	17.94	17.85	17.80		
20	256QAM	50	0	17.67	17.70	17.76	19	3.8
20	256QAM	50	24	17.81	17.77	17.73		
20	256QAM	50	50	17.81	17.73	17.68		
20	256QAM	100	0	17.84	17.84	17.83	22.8	0
15	QPSK	1	0	21.86	22.10	22.04		
15	QPSK	1	37	21.93	22.09	22.05		
15	QPSK	1	74	21.93	21.97	22.10	22.8	0
15	QPSK	36	0	21.52	21.55	21.52		
15	QPSK	36	20	21.48	21.55	21.54		
15	QPSK	36	39	21.62	21.67	21.72	22.8	0
15	QPSK	75	0	21.65	21.56	21.73		
15	16QAM	1	0	21.56	21.61	21.66		
15	16QAM	1	37	21.62	21.57	21.71	22.8	0
15	16QAM	1	74	21.58	21.59	21.56		

15	16QAM	36	0	20.67	20.65	20.63	22	0.8
15	16QAM	36	20	20.35	20.58	20.56		
15	16QAM	36	39	20.56	20.67	20.61		
15	16QAM	75	0	20.65	20.65	20.54		
15	64QAM	1	0	20.22	20.19	20.14	22	0.8
15	64QAM	1	37	20.28	20.23	20.27		
15	64QAM	1	74	20.14	20.24	20.33		
15	64QAM	36	0	19.61	19.53	19.66	21	1.8
15	64QAM	36	20	19.56	19.71	19.64		
15	64QAM	36	39	19.49	19.51	19.60		
15	64QAM	75	0	19.79	19.72	19.64		
15	256QAM	1	0	17.79	17.82	17.79	19	3.8
15	256QAM	1	37	17.48	17.55	17.73		
15	256QAM	1	74	17.79	17.82	17.63		
15	256QAM	36	0	17.60	17.66	17.59	19	3.8
15	256QAM	36	20	17.63	17.71	17.66		
15	256QAM	36	39	17.73	17.60	17.52		
15	256QAM	75	0	17.81	17.68	17.73		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.85	22.17	22.04	22.8	0
10	QPSK	1	25	21.91	22.02	21.99		
10	QPSK	1	49	21.93	22.03	22.11		
10	QPSK	25	0	21.48	21.63	21.54	22.8	0
10	QPSK	25	12	21.51	21.45	21.56		
10	QPSK	25	25	21.75	21.57	21.65		
10	QPSK	50	0	21.53	21.49	21.72		
10	16QAM	1	0	21.58	21.68	21.65	22.8	0
10	16QAM	1	25	21.61	21.67	21.62		
10	16QAM	1	49	21.61	21.64	21.71		
10	16QAM	25	0	20.65	20.67	20.60	22	0.8
10	16QAM	25	12	20.45	20.48	20.52		
10	16QAM	25	25	20.58	20.53	20.58		
10	16QAM	50	0	20.56	20.63	20.65		
10	64QAM	1	0	20.13	20.22	20.24	22	0.8
10	64QAM	1	25	20.19	20.21	20.31		
10	64QAM	1	49	20.19	20.16	20.28		
10	64QAM	25	0	19.57	19.56	19.73	21	1.8
10	64QAM	25	12	19.60	19.70	19.58		
10	64QAM	25	25	19.50	19.57	19.63		
10	64QAM	50	0	19.72	19.75	19.65		
10	256QAM	1	0	17.67	17.77	17.70	19	3.8
10	256QAM	1	25	17.50	17.55	17.62		
10	256QAM	1	49	17.83	17.75	17.70		
10	256QAM	25	0	17.59	17.65	17.69	19	3.8
10	256QAM	25	12	17.73	17.67	17.63		
10	256QAM	25	25	17.75	17.65	17.57		
10	256QAM	50	0	17.66	17.80	17.66		
Channel				37775	38000	38225	Tune-up limit	MPR

Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)
5	QPSK	1	0	21.87	22.18	22.00	22.8	0
5	QPSK	1	12	21.84	22.10	22.06		
5	QPSK	1	24	21.94	22.01	22.10		
5	QPSK	12	0	21.52	21.62	21.48	22.8	0
5	QPSK	12	7	21.53	21.56	21.49		
5	QPSK	12	13	21.69	21.57	21.74		
5	QPSK	25	0	21.56	21.56	21.74		
5	16QAM	1	0	21.49	21.70	21.77	22.8	0
5	16QAM	1	12	21.76	21.61	21.64		
5	16QAM	1	24	21.59	21.71	21.58		
5	16QAM	12	0	20.63	20.61	20.64	22	0.8
5	16QAM	12	7	20.44	20.52	20.53		
5	16QAM	12	13	20.64	20.62	20.61		
5	16QAM	25	0	20.59	20.65	20.52		
5	64QAM	1	0	20.22	20.20	20.17	22	0.8
5	64QAM	1	12	20.26	20.31	20.28		
5	64QAM	1	24	20.14	20.20	20.20		
5	64QAM	12	0	19.62	19.58	19.71	21	1.8
5	64QAM	12	7	19.55	19.63	19.64		
5	64QAM	12	13	19.51	19.53	19.69		
5	64QAM	25	0	19.69	19.74	19.58		
5	256QAM	1	0	17.70	17.76	17.76	19	3.8
5	256QAM	1	12	17.50	17.54	17.74		
5	256QAM	1	24	17.85	17.82	17.70		
5	256QAM	12	0	17.55	17.54	17.65	19	3.8
5	256QAM	12	7	17.69	17.67	17.61		
5	256QAM	12	13	17.79	17.62	17.58		
5	256QAM	25	0	17.77	17.68	17.73		

Band 41 Ant3 DSI0											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490	23	0
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.11	22.04	22.07	22.25	22.17	22.16		
20	QPSK	1	49	22.17	22.13	22.09	22.21	22.15	22.08	22.8	0
20	QPSK	1	99	22.19	22.13	22.11	22.19	22.23	22.18		
20	QPSK	50	0	21.80	21.81	21.76	21.83	21.74	21.71		
20	QPSK	50	24	21.55	21.60	21.65	21.57	21.50	21.65		
20	QPSK	50	50	21.68	21.73	21.66	21.74	21.79	21.82	22.8	0
20	QPSK	100	0	21.70	21.71	21.65	21.73	21.60	21.63		
20	16QAM	1	0	21.56	21.57	21.56	21.60	21.60	21.64		
20	16QAM	1	49	21.65	21.68	21.67	21.63	21.65	21.61	22	0.8
20	16QAM	1	99	21.56	21.43	21.49	21.48	21.42	21.42		
20	16QAM	50	0	20.76	20.70	20.77	20.76	20.70	20.72		
20	16QAM	50	24	20.68	20.73	20.72	20.69	20.76	20.67		



20	16QAM	50	50	20.66	20.61	20.59	20.60	20.62	20.65		
20	16QAM	100	0	20.71	20.77	20.80	20.74	20.77	20.78		
20	64QAM	1	0	20.22	20.29	20.29	20.27	20.23	20.27		
20	64QAM	1	49	20.31	20.27	20.27	20.32	20.37	20.38	22	0.8
20	64QAM	1	99	20.43	20.50	20.38	20.43	20.42	20.36		
20	64QAM	50	0	19.76	19.71	19.69	19.68	19.76	19.69		
20	64QAM	50	24	19.51	19.55	19.56	19.57	19.63	19.60	21	1.8
20	64QAM	50	50	19.60	19.70	19.71	19.65	19.60	19.58		
20	64QAM	100	0	19.66	19.75	19.62	19.68	19.68	19.74		
20	256QAM	1	0	17.74	17.81	17.81	17.78	17.86	17.79	19	3.8
20	256QAM	1	49	17.71	17.75	17.68	17.74	17.81	17.79		
20	256QAM	1	99	17.57	17.60	17.54	17.58	17.61	17.57		
20	256QAM	50	0	17.72	17.61	17.66	17.67	17.64	17.62	19	3.8
20	256QAM	50	24	17.78	17.86	17.87	17.81	17.86	17.80		
20	256QAM	50	50	17.60	17.60	17.73	17.66	17.73	17.64		
20	256QAM	100	0	17.87	17.83	17.93	17.89	17.83	17.85		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.01	21.96	21.98	22.20	22.04	22.11	23	0
15	QPSK	1	37	22.09	22.03	22.04	22.14	22.10	22.06		
15	QPSK	1	74	22.11	22.07	22.03	22.16	22.17	22.07		
15	QPSK	36	0	21.49	21.60	21.49	21.41	21.62	21.44	22.8	0
15	QPSK	36	20	21.44	21.57	21.53	21.40	21.46	21.54		
15	QPSK	36	39	21.60	21.61	21.48	21.64	21.71	21.67		
15	QPSK	75	0	21.61	21.69	21.63	21.59	21.48	21.55		
15	16QAM	1	0	21.49	21.43	21.47	21.53	21.46	21.54	22.8	0
15	16QAM	1	37	21.54	21.62	21.56	21.56	21.58	21.54		
15	16QAM	1	74	21.38	21.39	21.44	21.45	21.28	21.37		
15	16QAM	36	0	20.69	20.63	20.69	20.61	20.63	20.66	22	0.8
15	16QAM	36	20	20.54	20.62	20.70	20.55	20.60	20.56		
15	16QAM	36	39	20.59	20.52	20.54	20.55	20.53	20.61		
15	16QAM	75	0	20.57	20.61	20.65	20.68	20.71	20.68		
15	64QAM	1	0	20.06	20.12	20.26	20.23	20.18	20.24	22	0.8
15	64QAM	1	37	20.23	20.10	20.10	20.23	20.21	20.35		
15	64QAM	1	74	20.32	20.39	20.34	20.29	20.25	20.33		
15	64QAM	36	0	19.67	19.59	19.58	19.63	19.68	19.59	21	1.8
15	64QAM	36	20	19.35	19.46	19.53	19.47	19.50	19.55		
15	64QAM	36	39	19.47	19.64	19.55	19.47	19.54	19.42		
15	64QAM	75	0	19.62	19.63	19.53	19.60	19.57	19.67		
15	256QAM	1	0	17.68	17.66	17.74	17.74	17.82	17.68	19	3.8
15	256QAM	1	37	17.61	17.67	17.62	17.70	17.66	17.76		
15	256QAM	1	74	17.43	17.49	17.50	17.49	17.57	17.54		
15	256QAM	36	0	17.58	17.48	17.64	17.61	17.57	17.49	19	3.8
15	256QAM	36	20	17.71	17.81	17.73	17.70	17.83	17.75		
15	256QAM	36	39	17.55	17.45	17.66	17.63	17.57	17.56		
15	256QAM	75	0	17.76	17.74	17.84	17.85	17.74	17.74		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	22.07	21.99	21.94	22.16	22.10	22.07	23	0



10	QPSK	1	25	22.11	22.05	22.07	22.16	22.05	22.03		
10	QPSK	1	49	22.15	22.01	22.06	22.09	22.16	22.09		
10	QPSK	25	0	21.49	21.47	21.53	21.55	21.58	21.42	22.8	0
10	QPSK	25	12	21.51	21.44	21.58	21.48	21.39	21.49		
10	QPSK	25	25	21.53	21.69	21.58	21.62	21.70	21.68		
10	QPSK	50	0	21.58	21.55	21.49	21.52	21.53	21.55		
10	16QAM	1	0	21.41	21.54	21.52	21.52	21.45	21.49	22.8	0
10	16QAM	1	25	21.56	21.51	21.54	21.54	21.62	21.53		
10	16QAM	1	49	21.51	21.30	21.40	21.41	21.25	21.36		
10	16QAM	25	0	20.73	20.62	20.66	20.66	20.53	20.60	22	0.8
10	16QAM	25	12	20.56	20.62	20.65	20.65	20.65	20.55		
10	16QAM	25	25	20.53	20.47	20.50	20.57	20.51	20.61		
10	16QAM	50	0	20.63	20.73	20.67	20.64	20.61	20.74		
10	64QAM	1	0	20.09	20.18	20.13	20.19	20.21	20.19	22	0.8
10	64QAM	1	25	20.28	20.17	20.10	20.23	20.31	20.36		
10	64QAM	1	49	20.37	20.37	20.33	20.35	20.27	20.24		
10	64QAM	25	0	19.62	19.58	19.53	19.51	19.63	19.61	21	1.8
10	64QAM	25	12	19.34	19.53	19.52	19.43	19.59	19.52		
10	64QAM	25	25	19.44	19.53	19.61	19.49	19.56	19.46		
10	64QAM	50	0	19.62	19.64	19.49	19.53	19.54	19.68		
10	256QAM	1	0	17.62	17.74	17.69	17.63	17.80	17.72	19	3.8
10	256QAM	1	25	17.54	17.68	17.59	17.70	17.75	17.65		
10	256QAM	1	49	17.51	17.57	17.49	17.44	17.45	17.46		
10	256QAM	25	0	17.63	17.58	17.53	17.58	17.59	17.50	19	3.8
10	256QAM	25	12	17.73	17.81	17.74	17.75	17.81	17.76		
10	256QAM	25	25	17.54	17.53	17.57	17.58	17.70	17.47		
10	256QAM	50	0	17.74	17.78	17.85	17.85	17.67	17.71		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.08	21.95	21.95	22.15	22.06	22.11	23	0
5	QPSK	1	12	22.13	22.07	22.03	22.11	22.07	22.01		
5	QPSK	1	24	22.13	22.04	22.00	22.16	22.11	22.15		
5	QPSK	12	0	21.61	21.51	21.39	21.43	21.55	21.34	22.8	0
5	QPSK	12	7	21.49	21.52	21.62	21.51	21.45	21.54		
5	QPSK	12	13	21.56	21.61	21.56	21.62	21.67	21.80		
5	QPSK	25	0	21.53	21.61	21.62	21.60	21.51	21.59		
5	16QAM	1	0	21.38	21.45	21.48	21.57	21.51	21.50	22.8	0
5	16QAM	1	12	21.62	21.53	21.56	21.52	21.59	21.54		
5	16QAM	1	24	21.42	21.25	21.41	21.37	21.30	21.39		
5	16QAM	12	0	20.61	20.64	20.61	20.67	20.56	20.64	22	0.8
5	16QAM	12	7	20.61	20.68	20.66	20.65	20.64	20.57		
5	16QAM	12	13	20.56	20.47	20.47	20.46	20.44	20.50		
5	16QAM	25	0	20.57	20.71	20.75	20.59	20.61	20.68		
5	64QAM	1	0	20.05	20.14	20.16	20.10	20.13	20.13	22	0.8
5	64QAM	1	12	20.19	20.13	20.22	20.19	20.31	20.23		
5	64QAM	1	24	20.32	20.35	20.22	20.31	20.27	20.26		
5	64QAM	12	0	19.64	19.66	19.54	19.58	19.64	19.54	21	1.8
5	64QAM	12	7	19.43	19.47	19.50	19.44	19.59	19.49		
5	64QAM	12	13	19.55	19.61	19.54	19.63	19.55	19.47		

5	64QAM	25	0	19.61	19.61	19.51	19.64	19.60	19.63		
5	256QAM	1	0	17.66	17.69	17.67	17.75	17.76	17.67	19	3.8
5	256QAM	1	12	17.57	17.68	17.58	17.69	17.67	17.66		
5	256QAM	1	24	17.47	17.54	17.43	17.49	17.50	17.53		
5	256QAM	12	0	17.64	17.47	17.53	17.50	17.60	17.53	19	3.8
5	256QAM	12	7	17.75	17.83	17.77	17.66	17.72	17.62		
5	256QAM	12	13	17.46	17.50	17.67	17.52	17.61	17.54		
5	256QAM	25	0	17.77	17.75	17.77	17.82	17.65	17.76		

Band 41 HPUE Ant3 DSI0											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490		
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.84	23.64	23.84	23.88	23.80	23.85	24.4	0
20	QPSK	1	49	23.82	23.80	23.82	23.83	23.85	23.84		
20	QPSK	1	99	23.72	23.75	23.77	23.80	23.86	23.82		
20	QPSK	50	0	23.81	23.56	23.78	23.86	23.77	23.78	24.4	0
20	QPSK	50	24	23.72	23.70	23.69	23.78	23.82	23.77		
20	QPSK	50	50	23.59	23.66	23.68	23.70	23.79	23.81		
20	QPSK	100	0	23.76	23.55	23.70	23.80	23.67	23.79		
20	16QAM	1	0	23.79	23.52	23.72	23.76	23.68	23.76	24.4	0
20	16QAM	1	49	23.78	23.68	23.76	23.79	23.81	23.71		
20	16QAM	1	99	23.59	23.66	23.68	23.74	23.73	23.83		
20	16QAM	50	0	23.72	23.58	23.71	23.77	23.75	23.81	24.4	0
20	16QAM	50	24	23.74	23.51	23.72	23.82	23.68	23.76		
20	16QAM	50	50	23.80	23.73	23.74	23.78	23.71	23.82		
20	16QAM	100	0	23.66	23.68	23.71	23.77	23.79	23.83		
20	64QAM	1	0	23.73	23.61	23.81	23.78	23.72	23.79	24.4	0
20	64QAM	1	49	23.78	23.68	23.75	23.70	23.74	23.78		
20	64QAM	1	99	23.67	23.70	23.64	23.67	23.75	23.77		
20	64QAM	50	0	23.02	23.05	22.97	23.01	23.07	23.01	24	0.4
20	64QAM	50	24	22.89	22.96	22.93	22.94	22.95	22.89		
20	64QAM	50	50	23.06	23.19	23.18	23.13	23.11	23.18		
20	64QAM	100	0	22.99	22.89	23.00	22.93	22.90	22.93		
20	256QAM	1	0	21.10	21.23	21.14	21.15	21.15	21.09	22	2.4
20	256QAM	1	49	21.30	21.20	21.28	21.24	21.31	21.30		
20	256QAM	1	99	21.18	21.16	21.12	21.16	21.20	21.23		
20	256QAM	50	0	20.90	21.02	20.95	20.96	20.94	20.95	22	2.4
20	256QAM	50	24	21.11	21.02	21.01	21.07	21.12	21.03		
20	256QAM	50	50	20.91	20.92	21.00	20.97	20.94	21.02		
20	256QAM	100	0	21.14	21.16	21.19	21.13	21.07	21.08		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.76	23.52	23.72	23.84	23.73	23.75		
15	QPSK	1	37	23.75	23.76	23.75	23.69	23.82	23.81	24	0
15	QPSK	1	74	23.65	23.67	23.68	23.73	23.74	23.77		

15	QPSK	36	0	23.72	23.52	23.75	23.79	23.65	23.70	24.4	0
15	QPSK	36	20	23.67	23.58	23.57	23.70	23.78	23.70		
15	QPSK	36	39	23.51	23.59	23.62	23.67	23.73	23.78		
15	QPSK	75	0	23.71	23.50	23.59	23.72	23.63	23.73		
15	16QAM	1	0	23.76	23.38	23.58	23.63	23.62	23.72	24.4	0
15	16QAM	1	37	23.71	23.55	23.65	23.66	23.69	23.69		
15	16QAM	1	74	23.54	23.56	23.61	23.66	23.63	23.73		
15	16QAM	36	0	23.65	23.48	23.60	23.66	23.72	23.79		
15	16QAM	36	20	23.69	23.43	23.70	23.71	23.60	23.62	24.4	0
15	16QAM	36	39	23.73	23.66	23.61	23.70	23.61	23.70		
15	16QAM	75	0	23.56	23.62	23.62	23.72	23.72	23.75		
15	64QAM	1	0	23.70	23.59	23.75	23.69	23.70	23.68		
15	64QAM	1	37	23.66	23.58	23.71	23.56	23.61	23.75	24.4	0
15	64QAM	1	74	23.64	23.61	23.61	23.61	23.71	23.67		
15	64QAM	36	0	22.98	22.94	22.81	22.83	22.92	22.92		
15	64QAM	36	20	22.83	22.87	22.77	22.81	22.80	22.72		
15	64QAM	36	39	22.98	23.03	23.12	22.99	22.96	23.03	24	0.4
15	64QAM	75	0	22.90	22.75	22.94	22.88	22.80	22.89		
15	256QAM	1	0	20.98	21.11	21.11	21.03	20.99	21.07		
15	256QAM	1	37	21.19	21.09	21.23	21.20	21.20	21.26		
15	256QAM	1	74	21.08	21.12	21.01	21.13	21.09	21.11	22	2.4
15	256QAM	36	0	20.78	20.91	20.81	20.82	20.79	20.91		
15	256QAM	36	20	21.06	20.91	20.86	20.95	21.02	20.94		
15	256QAM	36	39	20.77	20.75	20.95	20.88	20.90	20.97		
15	256QAM	75	0	21.00	21.02	21.03	21.08	20.95	20.98		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	23.73	23.55	23.74	23.82	23.66	23.78	24	0
10	QPSK	1	25	23.79	23.68	23.79	23.77	23.75	23.78		
10	QPSK	1	49	23.61	23.70	23.64	23.72	23.84	23.85		
10	QPSK	25	0	23.69	23.46	23.74	23.78	23.64	23.72	24.4	0
10	QPSK	25	12	23.66	23.63	23.58	23.70	23.77	23.71		
10	QPSK	25	25	23.47	23.60	23.62	23.62	23.70	23.68		
10	QPSK	50	0	23.70	23.47	23.68	23.77	23.58	23.65		
10	16QAM	1	0	23.77	23.45	23.63	23.70	23.62	23.70	24.4	0
10	16QAM	1	25	23.73	23.58	23.64	23.73	23.77	23.59		
10	16QAM	1	49	23.55	23.60	23.64	23.62	23.65	23.71		
10	16QAM	25	0	23.69	23.51	23.59	23.73	23.63	23.70	24.4	0
10	16QAM	25	12	23.61	23.42	23.60	23.68	23.65	23.66		
10	16QAM	25	25	23.68	23.66	23.60	23.65	23.64	23.72		
10	16QAM	50	0	23.58	23.62	23.67	23.68	23.69	23.76		
10	64QAM	1	0	23.67	23.57	23.77	23.66	23.68	23.68	24.4	0
10	64QAM	1	25	23.74	23.58	23.66	23.67	23.63	23.67		
10	64QAM	1	49	23.55	23.66	23.56	23.57	23.64	23.66		
10	64QAM	25	0	22.87	22.93	22.92	22.89	22.90	22.95	24	0.4
10	64QAM	25	12	22.74	22.87	22.84	22.80	22.82	22.77		
10	64QAM	25	25	22.91	23.10	23.12	23.08	22.99	23.07		
10	64QAM	50	0	22.84	22.86	22.92	22.75	22.82	22.90		
10	256QAM	1	0	21.03	21.14	21.12	20.99	21.03	20.97	22	2.4



10	256QAM	1	25	21.23	21.06	21.13	21.10	21.16	21.24		
10	256QAM	1	49	21.14	21.10	20.99	21.00	21.03	21.20		
10	256QAM	25	0	20.80	20.95	20.82	20.78	20.84	20.85		
10	256QAM	25	12	20.96	20.91	20.92	21.02	21.07	20.93	22	2.4
10	256QAM	25	25	20.85	20.85	20.85	20.84	20.86	20.87		
10	256QAM	50	0	21.09	21.13	21.07	21.05	21.03	20.99		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.81	23.55	23.75	23.77	23.76	23.75	24	0
5	QPSK	1	12	23.73	23.69	23.74	23.70	23.77	23.81		
5	QPSK	1	24	23.62	23.61	23.68	23.67	23.76	23.83		
5	QPSK	12	0	23.72	23.52	23.69	23.82	23.75	23.65	24.4	0
5	QPSK	12	7	23.61	23.62	23.57	23.69	23.73	23.71		
5	QPSK	12	13	23.47	23.59	23.63	23.57	23.72	23.78		
5	QPSK	25	0	23.71	23.48	23.65	23.75	23.54	23.71		
5	16QAM	1	0	23.68	23.45	23.60	23.63	23.66	23.71	24.4	0
5	16QAM	1	12	23.75	23.62	23.66	23.74	23.75	23.57		
5	16QAM	1	24	23.52	23.64	23.61	23.71	23.70	23.76		
5	16QAM	12	0	23.68	23.49	23.66	23.63	23.66	23.74	24.4	0
5	16QAM	12	7	23.62	23.47	23.68	23.71	23.55	23.68		
5	16QAM	12	13	23.70	23.67	23.65	23.72	23.66	23.76		
5	16QAM	25	0	23.55	23.65	23.63	23.63	23.66	23.80		
5	64QAM	1	0	23.71	23.49	23.74	23.72	23.70	23.70	24.4	0
5	64QAM	1	12	23.65	23.55	23.67	23.57	23.66	23.74		
5	64QAM	1	24	23.58	23.65	23.52	23.62	23.67	23.71		
5	64QAM	12	0	23.00	23.00	22.95	22.94	22.95	22.94	24	0.4
5	64QAM	12	7	22.75	22.83	22.79	22.78	22.80	22.84		
5	64QAM	12	13	22.95	23.14	23.01	23.07	23.00	23.02		
5	64QAM	25	0	22.84	22.84	22.97	22.77	22.81	22.78		
5	256QAM	1	0	21.00	21.08	21.11	21.03	21.06	20.97	22	2.4
5	256QAM	1	12	21.24	21.06	21.17	21.12	21.23	21.23		
5	256QAM	1	24	21.04	21.06	21.02	21.13	21.11	21.19		
5	256QAM	12	0	20.85	20.97	20.83	20.83	20.84	20.85	22	2.4
5	256QAM	12	7	21.08	20.84	20.98	20.98	20.97	20.92		
5	256QAM	12	13	20.74	20.80	20.95	20.93	20.92	20.92		
5	256QAM	25	0	20.97	21.04	21.12	21.09	20.90	20.91		

Band 48 Ant4 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.79	21.90	21.86	21.85	23	0
20	QPSK	1	49	21.81	21.82	21.84	21.77		
20	QPSK	1	99	21.79	21.81	21.76	21.74		
20	QPSK	50	0	20.97	21.13	20.86	20.99	22	1
20	QPSK	50	24	21.00	20.96	21.00	20.97		
20	QPSK	50	50	20.95	20.96	21.02	20.92		
20	QPSK	100	0	20.90	21.07	21.02	20.93	22	1
20	16QAM	1	0	20.80	20.73	20.69	20.78		
20	16QAM	1	49	20.77	20.75	20.70	20.68		
20	16QAM	1	99	20.70	20.73	20.70	20.65	21	2
20	16QAM	50	0	19.82	19.80	19.83	19.85		
20	16QAM	50	24	19.92	19.97	19.93	19.97		
20	16QAM	50	50	20.01	19.99	19.96	19.94	21	2
20	16QAM	100	0	19.88	19.94	19.97	19.96		
20	64QAM	1	0	19.74	19.69	19.71	19.77		
20	64QAM	1	49	19.65	19.66	19.67	19.64	20	3
20	64QAM	1	99	19.71	19.64	19.66	19.64		
20	64QAM	50	0	19.02	18.95	19.02	18.99		
20	64QAM	50	24	18.78	18.74	18.72	18.80	18	5
20	64QAM	50	50	19.02	18.95	18.96	18.90		
20	64QAM	100	0	18.88	18.82	18.86	18.83		
20	256QAM	1	0	16.72	16.79	16.75	16.76	18	5
20	256QAM	1	49	16.79	16.72	16.69	16.65		
20	256QAM	1	99	16.70	16.72	16.70	16.71		
20	256QAM	50	0	17.02	17.02	17.09	17.06	18	5
20	256QAM	50	24	16.97	17.02	17.05	16.94		
20	256QAM	50	50	16.79	16.80	16.81	16.73		
20	256QAM	100	0	16.97	16.92	16.98	16.91	Tune-up limit (dBm)	MPR (dB)
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.62	21.79	21.71	21.69	23	0
15	QPSK	1	37	21.77	21.73	21.66	21.64		
15	QPSK	1	74	21.72	21.74	21.71	21.70		
15	QPSK	36	0	20.80	20.75	20.80	20.84	22	1
15	QPSK	36	20	20.91	20.88	20.84	20.94		
15	QPSK	36	39	20.87	20.90	20.99	20.82		
15	QPSK	75	0	20.81	20.89	20.89	20.81	22	1
15	16QAM	1	0	20.72	20.66	20.60	20.64		
15	16QAM	1	37	20.63	20.66	20.58	20.60		
15	16QAM	1	74	20.61	20.60	20.64	20.65	Tune-up limit (dBm)	MPR (dB)



15	16QAM	36	0	19.65	19.73	19.67	19.81	21	2
15	16QAM	36	20	19.78	19.95	19.83	19.82		
15	16QAM	36	39	19.91	19.92	19.80	19.90		
15	16QAM	75	0	19.76	19.91	19.81	19.85		
15	64QAM	1	0	19.59	19.52	19.58	19.61	21	2
15	64QAM	1	37	19.67	19.66	19.54	19.56		
15	64QAM	1	74	19.56	19.52	19.54	19.51		
15	64QAM	36	0	18.98	18.81	18.98	18.90		
15	64QAM	36	20	18.69	18.58	18.57	18.63	20	3
15	64QAM	36	39	18.84	18.91	18.89	18.86		
15	64QAM	75	0	18.76	18.74	18.78	18.71		
15	256QAM	1	0	16.56	16.61	16.66	16.71		
15	256QAM	1	37	16.70	16.63	16.53	16.55	18	5
15	256QAM	1	74	16.67	16.69	16.58	16.59		
15	256QAM	36	0	16.86	16.94	16.98	16.91		
15	256QAM	36	20	16.82	16.84	16.99	16.86		
15	256QAM	36	39	16.63	16.75	16.79	16.57	18	5
15	256QAM	75	0	16.81	16.85	16.84	16.78		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.66	21.83	21.82	21.67	23	0
10	QPSK	1	25	21.71	21.71	21.71	21.64		
10	QPSK	1	49	21.74	21.77	21.69	21.65		
10	QPSK	25	0	20.81	20.84	20.84	20.97		
10	QPSK	25	12	20.90	20.83	20.87	20.90	22	1
10	QPSK	25	25	20.79	20.85	20.96	20.76		
10	QPSK	50	0	20.74	20.94	20.95	20.80		
10	16QAM	1	0	20.71	20.56	20.53	20.66		
10	16QAM	1	25	20.70	20.58	20.63	20.62	22	1
10	16QAM	1	49	20.65	20.64	20.63	20.61		
10	16QAM	25	0	19.73	19.73	19.73	19.81		
10	16QAM	25	12	19.89	19.81	19.82	19.89		
10	16QAM	25	25	19.89	19.94	19.80	19.91	21	2
10	16QAM	50	0	19.72	19.91	19.89	19.84		
10	64QAM	1	0	19.67	19.53	19.67	19.60		
10	64QAM	1	25	19.59	19.56	19.51	19.62		
10	64QAM	1	49	19.67	19.53	19.55	19.65	21	2
10	64QAM	25	0	18.99	18.86	18.88	18.93		
10	64QAM	25	12	18.69	18.66	18.63	18.73		
10	64QAM	25	25	18.88	18.80	18.89	18.83		
10	64QAM	50	0	18.84	18.68	18.71	18.75	20	3
10	256QAM	1	0	16.66	16.61	16.64	16.66		
10	256QAM	1	25	16.77	16.67	16.58	16.50		
10	256QAM	1	49	16.52	16.57	16.58	16.54		
10	256QAM	25	0	16.91	16.88	17.02	17.03	18	5
10	256QAM	25	12	16.95	16.92	16.90	16.89		
10	256QAM	25	25	16.70	16.76	16.66	16.62		
10	256QAM	50	0	16.91	16.83	16.95	16.87		
Channel				55265	55810	56170	56715	Tune-up limit	MPR



Frequency (MHz)				3552.5	3607	3643	3697.5	(dBm)	(dB)
5	QPSK	1	0	21.68	21.77	21.79	21.78	23	0
5	QPSK	1	12	21.73	21.66	21.68	21.72		
5	QPSK	1	24	21.65	21.72	21.74	21.57		
5	QPSK	12	0	20.86	20.82	20.78	20.94	22	1
5	QPSK	12	7	20.89	20.88	20.98	20.90		
5	QPSK	12	13	20.77	20.81	20.84	20.81		
5	QPSK	25	0	20.84	20.81	20.89	20.90		
5	16QAM	1	0	20.72	20.70	20.54	20.75	22	1
5	16QAM	1	12	20.60	20.63	20.56	20.52		
5	16QAM	1	24	20.53	20.64	20.67	20.55		
5	16QAM	12	0	19.69	19.64	19.67	19.72	21	2
5	16QAM	12	7	19.86	19.85	19.83	19.82		
5	16QAM	12	13	19.97	19.83	19.91	19.79		
5	16QAM	25	0	19.76	19.79	19.91	19.93		
5	64QAM	1	0	19.59	19.64	19.65	19.64	21	2
5	64QAM	1	12	19.50	19.53	19.59	19.52		
5	64QAM	1	24	19.56	19.51	19.56	19.76		
5	64QAM	12	0	18.93	18.87	18.90	18.85	20	3
5	64QAM	12	7	18.65	18.71	18.63	18.75		
5	64QAM	12	13	18.89	18.81	18.83	18.80		
5	64QAM	25	0	18.77	18.75	18.71	18.75		
5	256QAM	1	0	16.67	16.65	16.73	16.58	18	5
5	256QAM	1	12	16.75	16.61	16.58	16.57		
5	256QAM	1	24	16.63	16.56	16.65	16.55		
5	256QAM	12	0	16.96	16.99	17.00	17.02	18	5
5	256QAM	12	7	16.94	16.89	16.97	16.89		
5	256QAM	12	13	16.69	16.66	16.78	16.63		
5	256QAM	25	0	16.83	16.76	16.81	16.76		

Reduced Power Mode for DSI 1

Band 38 Ant3 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.22	20.35	20.26		
20	QPSK	1	49	20.15	20.30	20.23	21.3	0
20	QPSK	1	99	20.30	20.25	20.28		
20	QPSK	50	0	19.89	20.25	20.11		
20	QPSK	50	24	20.00	20.02	20.05	21.3	0
20	QPSK	50	50	20.02	20.05	20.05		
20	QPSK	100	0	20.24	20.31	20.10		
20	16QAM	1	0	20.10	20.32	20.07	21.3	0
20	16QAM	1	49	20.01	20.08	20.29		
20	16QAM	1	99	20.09	20.10	20.16		
20	16QAM	50	0	20.22	20.23	20.28	21.3	0
20	16QAM	50	24	20.20	20.04	20.07		
20	16QAM	50	50	20.00	20.09	19.95		
20	16QAM	100	0	19.92	20.12	20.17	21.3	0
20	64QAM	1	0	20.06	20.18	19.99		
20	64QAM	1	49	19.84	20.07	19.93		
20	64QAM	1	99	19.93	19.75	19.95	21	0.3
20	64QAM	50	0	19.62	19.61	19.63		
20	64QAM	50	24	19.45	19.52	19.51		
20	64QAM	50	50	19.58	19.61	19.46	19	2.3
20	64QAM	100	0	19.58	19.55	19.60		
20	256QAM	1	0	17.70	17.69	17.73		
20	256QAM	1	49	17.56	17.68	17.71	19	2.3
20	256QAM	1	99	17.48	17.46	17.50		
20	256QAM	50	0	17.54	17.58	17.52		
20	256QAM	50	24	17.75	17.67	17.77	19	2.3
20	256QAM	50	50	17.60	17.59	17.65		
20	256QAM	100	0	17.78	17.80	17.76		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.07	20.19	20.19		
15	QPSK	1	37	20.02	20.21	20.14	21.3	0
15	QPSK	1	74	20.21	20.16	20.17		
15	QPSK	36	0	19.79	20.19	20.02	21.3	0
15	QPSK	36	20	19.86	19.92	19.97		
15	QPSK	36	39	19.97	19.93	19.92		
15	QPSK	75	0	20.09	20.16	20.01	21.3	0
15	16QAM	1	0	19.97	20.26	19.95		
15	16QAM	1	37	19.93	19.97	20.25		
15	16QAM	1	74	19.94	20.05	20.11	21.3	0
15	16QAM	36	0	20.07	20.10	20.20		

15	16QAM	36	20	20.12	19.97	19.96		
15	16QAM	36	39	19.94	20.01	19.89		
15	16QAM	75	0	19.77	20.03	20.09		
15	64QAM	1	0	19.96	20.14	19.84	21.3	0
15	64QAM	1	37	19.78	19.94	19.88		
15	64QAM	1	74	19.79	19.69	19.88		
15	64QAM	36	0	19.54	19.56	19.55	21	0.3
15	64QAM	36	20	19.38	19.40	19.46		
15	64QAM	36	39	19.48	19.55	19.40		
15	64QAM	75	0	19.53	19.43	19.50	19	2.3
15	256QAM	1	0	17.54	17.56	17.66		
15	256QAM	1	37	17.49	17.52	17.65		
15	256QAM	1	74	17.36	17.38	17.40	19	2.3
15	256QAM	36	0	17.46	17.46	17.40		
15	256QAM	36	20	17.68	17.56	17.73		
15	256QAM	36	39	17.56	17.52	17.59		
15	256QAM	75	0	17.69	17.73	17.62		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.18	20.19	20.12	21.3	0
10	QPSK	1	25	20.06	20.22	20.10		
10	QPSK	1	49	20.15	20.13	20.14		
10	QPSK	25	0	19.73	20.11	20.02	21.3	0
10	QPSK	25	12	19.88	19.88	19.95		
10	QPSK	25	25	19.87	19.98	19.99		
10	QPSK	50	0	20.14	20.18	20.03		
10	16QAM	1	0	20.04	20.34	19.95	21.3	0
10	16QAM	1	25	19.85	20.02	20.20		
10	16QAM	1	49	19.97	19.94	20.11		
10	16QAM	25	0	20.10	20.12	20.21	21.3	0
10	16QAM	25	12	20.09	19.94	19.99		
10	16QAM	25	25	19.88	19.95	19.88		
10	16QAM	50	0	19.87	20.04	20.01		
10	64QAM	1	0	19.91	20.10	19.87	21.3	0
10	64QAM	1	25	19.75	19.99	19.78		
10	64QAM	1	49	19.81	19.66	19.81		
10	64QAM	25	0	19.50	19.55	19.50	21	0.3
10	64QAM	25	12	19.34	19.41	19.47		
10	64QAM	25	25	19.48	19.54	19.37		
10	64QAM	50	0	19.51	19.45	19.46		
10	256QAM	1	0	17.54	17.57	17.66	19	2.3
10	256QAM	1	25	17.43	17.64	17.66		
10	256QAM	1	49	17.40	17.32	17.36		
10	256QAM	25	0	17.41	17.53	17.40	19	2.3
10	256QAM	25	12	17.67	17.52	17.68		
10	256QAM	25	25	17.55	17.53	17.59		
10	256QAM	50	0	17.65	17.74	17.67		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		



5	QPSK	1	0	20.09	20.23	20.10	21.3	0
5	QPSK	1	12	20.00	20.29	20.12		
5	QPSK	1	24	20.17	20.18	20.23		
5	QPSK	12	0	19.82	20.21	20.01	21.3	0
5	QPSK	12	7	19.94	19.97	20.00		
5	QPSK	12	13	19.92	20.01	19.90		
5	QPSK	25	0	20.19	20.25	19.97		
5	16QAM	1	0	19.99	20.30	19.92	21.3	0
5	16QAM	1	12	19.89	19.98	20.22		
5	16QAM	1	24	19.97	20.04	20.01		
5	16QAM	12	0	20.15	20.12	20.13	21.3	0
5	16QAM	12	7	20.06	19.98	19.91		
5	16QAM	12	13	19.90	20.05	19.81		
5	16QAM	25	0	19.85	20.05	20.05		
5	64QAM	1	0	19.93	20.08	19.94	21.3	0
5	64QAM	1	12	19.78	20.00	19.84		
5	64QAM	1	24	19.86	19.60	19.88		
5	64QAM	12	0	19.48	19.52	19.47	21	0.3
5	64QAM	12	7	19.40	19.42	19.40		
5	64QAM	12	13	19.52	19.49	19.39		
5	64QAM	25	0	19.45	19.39	19.51		
5	256QAM	1	0	17.57	17.61	17.62	19	2.3
5	256QAM	1	12	17.41	17.62	17.64		
5	256QAM	1	24	17.43	17.34	17.46		
5	256QAM	12	0	17.42	17.49	17.40	19	2.3
5	256QAM	12	7	17.60	17.54	17.71		
5	256QAM	12	13	17.56	17.51	17.59		
5	256QAM	25	0	17.64	17.66	17.66		

Band 41 Ant3 DSI1											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.43	20.20	20.34	20.48	20.34	20.35	21.3	0
20	QPSK	1	49	20.30	20.27	20.24	20.41	20.35	20.28		
20	QPSK	1	99	20.47	20.36	20.41	20.37	20.41	20.30		
20	QPSK	50	0	20.21	20.06	20.03	20.37	20.15	20.06	21.3	0
20	QPSK	50	24	20.16	20.09	20.11	20.18	20.15	20.34		
20	QPSK	50	50	20.23	20.13	20.18	20.12	20.19	20.35		
20	QPSK	100	0	20.19	20.22	20.29	20.35	20.16	20.29		
20	16QAM	1	0	20.29	20.24	20.17	20.46	20.21	20.27	21.3	0
20	16QAM	1	49	20.12	20.30	20.08	20.22	20.38	20.29		
20	16QAM	1	99	20.29	20.09	20.21	20.25	20.29	20.44		
20	16QAM	50	0	20.20	20.13	20.30	20.28	20.40	20.15	21.3	0
20	16QAM	50	24	20.17	20.22	20.30	20.15	20.20	20.22		
20	16QAM	50	50	20.25	20.19	20.14	20.20	20.10	20.19		
20	16QAM	100	0	20.12	20.05	20.07	20.23	20.23	20.31		
20	64QAM	1	0	20.19	20.16	20.13	20.28	20.14	20.10	21.3	0
20	64QAM	1	49	20.10	20.04	19.92	20.19	20.08	20.12		
20	64QAM	1	99	19.95	19.89	19.98	19.87	20.06	20.07		
20	64QAM	50	0	19.76	19.71	19.69	19.68	19.76	19.69	21	0.3
20	64QAM	50	24	19.51	19.55	19.56	19.57	19.63	19.60		
20	64QAM	50	50	19.60	19.70	19.71	19.65	19.60	19.58		
20	64QAM	100	0	19.66	19.75	19.62	19.68	19.68	19.74		
20	256QAM	1	0	17.74	17.81	17.81	17.78	17.86	17.79	19	2.3
20	256QAM	1	49	17.71	17.75	17.68	17.74	17.81	17.79		
20	256QAM	1	99	17.57	17.60	17.54	17.58	17.61	17.57		
20	256QAM	50	0	17.72	17.61	17.66	17.67	17.64	17.62	19	2.3
20	256QAM	50	24	17.78	17.86	17.87	17.81	17.86	17.80		
20	256QAM	50	50	17.60	17.60	17.73	17.66	17.73	17.64		
20	256QAM	100	0	17.87	17.83	17.93	17.89	17.83	17.85		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.27	20.07	20.22	20.32	20.25	20.18	21.30	0
15	QPSK	1	37	20.21	20.17	20.13	20.32	20.30	20.13		
15	QPSK	1	74	20.43	20.25	20.26	20.25	20.32	20.15		
15	QPSK	36	0	20.13	20.00	19.95	20.28	20.08	20.02	21.3	0
15	QPSK	36	20	20.08	20.03	20.04	20.11	20.04	20.28		
15	QPSK	36	39	20.08	20.07	20.04	20.02	20.15	20.20		
15	QPSK	75	0	20.09	20.06	20.22	20.26	20.02	20.22		
15	16QAM	1	0	20.19	20.10	20.03	20.36	20.09	20.15	21.3	0
15	16QAM	1	37	20.01	20.14	20.02	20.11	20.31	20.20		
15	16QAM	1	74	20.22	19.98	20.15	20.10	20.17	20.35		
15	16QAM	36	0	20.06	20.08	20.25	20.16	20.26	20.10	21.3	0

15	16QAM	36	20	20.06	20.11	20.17	20.03	20.11	20.12		
15	16QAM	36	39	20.10	20.11	20.02	20.12	20.03	20.11		
15	16QAM	75	0	20.04	19.96	19.97	20.12	20.10	20.15		
15	64QAM	1	0	20.05	20.10	20.00	20.15	20.06	20.05	21.3	0
15	64QAM	1	37	20.00	19.88	19.84	20.08	19.94	20.04		
15	64QAM	1	74	19.80	19.84	19.90	19.75	19.92	20.01		
15	64QAM	36	0	19.68	19.58	19.56	19.60	19.62	19.59	21	0.3
15	64QAM	36	20	19.38	19.42	19.43	19.46	19.52	19.48		
15	64QAM	36	39	19.51	19.60	19.57	19.60	19.48	19.51		
15	64QAM	75	0	19.55	19.70	19.56	19.61	19.57	19.60	19	2.3
15	256QAM	1	0	17.63	17.75	17.74	17.73	17.81	17.65		
15	256QAM	1	37	17.64	17.68	17.60	17.63	17.71	17.70		
15	256QAM	1	74	17.43	17.52	17.49	17.51	17.48	17.50	19	2.3
15	256QAM	36	0	17.57	17.45	17.56	17.56	17.50	17.48		
15	256QAM	36	20	17.73	17.82	17.75	17.69	17.74	17.74		
15	256QAM	36	39	17.48	17.54	17.68	17.57	17.65	17.58	19	2.3
15	256QAM	75	0	17.82	17.74	17.80	17.83	17.76	17.69		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	20.36	20.06	20.24	20.30	20.20	20.23	21.30	0
10	QPSK	1	25	20.24	20.18	20.09	20.36	20.29	20.15		
10	QPSK	1	49	20.33	20.28	20.34	20.21	20.37	20.19		
10	QPSK	25	0	20.07	19.94	19.92	20.24	20.02	20.00	21.3	0
10	QPSK	25	12	20.04	19.96	20.02	20.02	20.04	20.29		
10	QPSK	25	25	20.08	20.05	20.13	19.97	20.07	20.21		
10	QPSK	50	0	20.03	20.12	20.24	20.24	20.10	20.21	21.3	0
10	16QAM	1	0	20.14	20.16	20.05	20.38	20.07	20.11		
10	16QAM	1	25	20.05	20.20	20.03	20.16	20.31	20.15		
10	16QAM	1	49	20.23	20.01	20.16	20.11	20.15	20.40	21.3	0
10	16QAM	25	0	20.08	19.99	20.15	20.19	20.32	20.09		
10	16QAM	25	12	20.04	20.12	20.18	20.04	20.07	20.14		
10	16QAM	25	25	20.17	20.14	19.99	20.09	19.98	20.12	21.3	0
10	16QAM	50	0	20.04	19.99	19.95	20.16	20.14	20.22		
10	64QAM	1	0	20.06	20.10	19.97	20.23	20.01	20.03		
10	64QAM	1	25	20.00	19.94	19.86	20.12	19.98	20.08	21	0.3
10	64QAM	1	49	19.86	19.74	19.85	19.82	19.92	20.00		
10	64QAM	25	0	19.71	19.61	19.58	19.60	19.68	19.65		
10	64QAM	25	12	19.47	19.40	19.43	19.52	19.49	19.52	19	2.3
10	64QAM	25	25	19.52	19.61	19.57	19.58	19.53	19.43		
10	64QAM	50	0	19.57	19.61	19.53	19.59	19.63	19.61		
10	256QAM	1	0	17.63	17.69	17.67	17.66	17.72	17.69	19	2.3
10	256QAM	1	25	17.65	17.63	17.63	17.64	17.69	17.63		
10	256QAM	1	49	17.42	17.53	17.48	17.43	17.57	17.47		
10	256QAM	25	0	17.65	17.50	17.51	17.57	17.50	17.55	19	2.3
10	256QAM	25	12	17.69	17.76	17.82	17.68	17.71	17.73		
10	256QAM	25	25	17.48	17.50	17.65	17.53	17.63	17.55		
10	256QAM	50	0	17.73	17.71	17.85	17.83	17.78	17.73	Tune-up limit (dBm)	MPR (dB)
Channel				39715	39675	40148	40620	41093	41565		
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		

5	QPSK	1	0	20.39	20.07	20.28	20.34	20.28	20.20	21.30	0
5	QPSK	1	12	20.22	20.20	20.11	20.35	20.30	20.18		
5	QPSK	1	24	20.39	20.24	20.34	20.25	20.28	20.24		
5	QPSK	12	0	20.08	19.99	19.97	20.33	20.09	19.96	21.3	0
5	QPSK	12	7	20.05	19.94	20.03	20.08	20.02	20.23		
5	QPSK	12	13	20.07	20.03	20.07	19.96	20.06	20.29		
5	QPSK	25	0	20.12	20.09	20.15	20.28	20.02	20.19		
5	16QAM	1	0	20.24	20.13	20.11	20.38	20.08	20.19	21.3	0
5	16QAM	1	12	20.04	20.18	19.93	20.06	20.27	20.24		
5	16QAM	1	24	20.13	20.02	20.13	20.13	20.14	20.34		
5	16QAM	12	0	20.14	20.05	20.15	20.23	20.30	20.00	21.3	0
5	16QAM	12	7	20.12	20.14	20.16	20.08	20.08	20.15		
5	16QAM	12	13	20.11	20.04	20.02	20.08	19.99	20.10		
5	16QAM	25	0	20.03	19.97	20.01	20.11	20.16	20.24		
5	64QAM	1	0	20.04	20.06	19.98	20.14	20.01	19.96	21.3	0
5	64QAM	1	12	19.96	19.92	19.82	20.04	20.03	20.07		
5	64QAM	1	24	19.84	19.81	19.87	19.71	19.96	19.99		
5	64QAM	12	0	19.66	19.66	19.57	19.59	19.63	19.65	21	0.3
5	64QAM	12	7	19.36	19.51	19.46	19.46	19.54	19.56		
5	64QAM	12	13	19.47	19.60	19.63	19.59	19.48	19.51		
5	64QAM	25	0	19.50	19.71	19.49	19.63	19.58	19.67		
5	256QAM	1	0	17.66	17.75	17.66	17.69	17.76	17.71	19	2.3
5	256QAM	1	12	17.58	17.60	17.57	17.59	17.65	17.71		
5	256QAM	1	24	17.44	17.47	17.43	17.48	17.54	17.48		
5	256QAM	12	0	17.63	17.47	17.50	17.55	17.55	17.57	19	2.3
5	256QAM	12	7	17.65	17.74	17.78	17.75	17.71	17.75		
5	256QAM	12	13	17.55	17.54	17.67	17.56	17.68	17.53		
5	256QAM	25	0	17.76	17.74	17.80	17.75	17.75	17.76		

Band 41 HPUE Ant3 DSI1											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490	22.9	0
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.03	21.87	21.97	22.11	22.07	21.99		
20	QPSK	1	49	21.96	21.95	21.90	21.96	22.03	21.99	22.9	0
20	QPSK	1	99	22.06	21.91	21.98	21.96	22.06	21.86		
20	QPSK	50	0	21.94	21.76	21.75	22.01	21.75	21.69		
20	QPSK	50	24	21.79	21.83	21.80	21.80	21.81	21.90		
20	QPSK	50	50	21.89	21.85	21.81	21.79	21.81	21.91	22.9	0
20	QPSK	100	0	21.81	21.97	21.86	21.98	21.86	21.90		
20	16QAM	1	0	22.02	21.81	21.89	22.03	21.92	21.88		
20	16QAM	1	49	21.77	21.91	21.71	21.82	21.94	21.91	22.9	0
20	16QAM	1	99	22.00	21.80	21.92	21.85	21.95	22.00		
20	16QAM	50	0	21.75	21.78	21.88	21.88	21.99	21.84		
20	16QAM	50	24	21.87	21.77	21.89	21.77	21.76	21.92		
20	16QAM	50	50	21.83	21.81	21.74	21.76	21.76	21.81		

20	16QAM	100	0	21.77	21.75	21.75	21.89	21.91	21.98		
20	64QAM	1	0	21.76	21.83	21.82	21.83	21.78	21.72	22.9	0
20	64QAM	1	49	21.71	21.71	21.49	21.74	21.69	21.78		
20	64QAM	1	99	21.65	21.58	21.70	21.59	21.74	21.76		
20	64QAM	50	0	21.92	21.79	21.88	22.00	22.07	21.80	22.9	0
20	64QAM	50	24	21.88	22.00	21.78	21.87	21.95	21.82		
20	64QAM	50	50	21.95	21.72	21.78	21.82	22.04	21.93		
20	64QAM	100	0	21.80	21.69	21.99	21.87	21.70	21.87		
20	256QAM	1	0	21.10	21.23	21.14	21.15	21.15	21.09	22	0.9
20	256QAM	1	49	21.30	21.20	21.28	21.24	21.31	21.30		
20	256QAM	1	99	21.18	21.16	21.12	21.16	21.20	21.23		
20	256QAM	50	0	20.90	21.02	20.95	20.96	20.94	20.95	22	0.9
20	256QAM	50	24	21.11	21.02	21.01	21.07	21.12	21.03		
20	256QAM	50	50	20.91	20.92	21.00	20.97	20.94	21.02		
20	256QAM	100	0	21.14	21.16	21.19	21.13	21.07	21.08		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.96	21.85	21.92	22.02	22.06	21.93	22.90	0
15	QPSK	1	37	21.94	21.80	21.89	21.84	22.02	21.95		
15	QPSK	1	74	21.88	21.75	21.93	21.96	21.92	21.81		
15	QPSK	36	0	21.83	21.56	21.61	21.90	21.71	21.53	22.9	0
15	QPSK	36	20	21.68	21.65	21.61	21.76	21.78	21.81		
15	QPSK	36	39	21.81	21.76	21.78	21.71	21.63	21.82		
15	QPSK	75	0	21.65	21.89	21.75	21.95	21.78	21.82		
15	16QAM	1	0	21.82	21.71	21.73	22.01	21.86	21.72	22.9	0
15	16QAM	1	37	21.65	21.85	21.54	21.76	21.89	21.77		
15	16QAM	1	74	21.98	21.64	21.86	21.76	21.83	21.83		
15	16QAM	36	0	21.58	21.73	21.79	21.69	21.99	21.64	22.9	0
15	16QAM	36	20	21.77	21.58	21.85	21.58	21.70	21.87		
15	16QAM	36	39	21.75	21.76	21.62	21.56	21.70	21.71		
15	16QAM	75	0	21.68	21.63	21.68	21.84	21.72	21.87		
15	64QAM	1	0	21.73	21.72	21.67	21.78	21.73	21.62	22.9	0
15	64QAM	1	37	21.57	21.52	21.38	21.61	21.49	21.67		
15	64QAM	1	74	21.48	21.52	21.57	21.47	21.63	21.76		
15	64QAM	36	0	21.82	21.60	21.83	21.93	22.05	21.67	22.9	0
15	64QAM	36	20	21.68	21.96	21.72	21.83	21.83	21.66		
15	64QAM	36	39	21.80	21.60	21.66	21.76	22.04	21.86		
15	64QAM	75	0	21.80	21.67	21.83	21.80	21.70	21.78		
15	256QAM	1	0	20.98	21.03	20.96	21.14	21.01	20.98	22	0.9
15	256QAM	1	37	21.20	21.08	21.21	21.07	21.13	21.15		
15	256QAM	1	74	21.06	21.00	21.09	20.98	21.07	21.14		
15	256QAM	36	0	20.73	20.90	20.92	20.94	20.83	20.93	22	0.9
15	256QAM	36	20	21.03	21.02	20.85	21.07	21.04	21.01		
15	256QAM	36	39	20.90	20.88	20.88	20.92	20.78	21.02		
15	256QAM	75	0	20.97	21.08	21.08	21.05	20.87	20.96		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	21.91	21.71	21.97	22.00	21.99	21.87	22.90	0
10	QPSK	1	25	21.80	21.78	21.74	21.93	21.87	21.85		



10	QPSK	1	49	21.94	21.75	21.89	21.90	21.89	21.82		
10	QPSK	25	0	21.83	21.71	21.67	22.00	21.74	21.50	22.9	0
10	QPSK	25	12	21.67	21.78	21.77	21.80	21.70	21.77		
10	QPSK	25	25	21.76	21.84	21.77	21.66	21.72	21.88		
10	QPSK	50	0	21.62	21.79	21.82	21.89	21.85	21.79		
10	16QAM	1	0	21.93	21.65	21.87	22.02	21.91	21.77	22.9	0
10	16QAM	1	25	21.65	21.81	21.63	21.70	21.76	21.82		
10	16QAM	1	49	21.90	21.74	21.80	21.78	21.90	21.95		
10	16QAM	25	0	21.59	21.70	21.86	21.69	21.91	21.83	22.9	0
10	16QAM	25	12	21.86	21.69	21.74	21.70	21.66	21.92		
10	16QAM	25	25	21.81	21.67	21.56	21.73	21.64	21.78		
10	16QAM	50	0	21.77	21.65	21.63	21.70	21.83	21.94		
10	64QAM	1	0	21.72	21.66	21.75	21.79	21.60	21.67	22.9	0
10	64QAM	1	25	21.59	21.64	21.37	21.60	21.64	21.76		
10	64QAM	1	49	21.60	21.53	21.69	21.49	21.57	21.58		
10	64QAM	25	0	21.86	21.77	21.71	21.82	21.96	21.62	22.9	0
10	64QAM	25	12	21.83	21.91	21.66	21.70	21.93	21.72		
10	64QAM	25	25	21.84	21.54	21.75	21.68	21.93	21.80		
10	64QAM	50	0	21.65	21.69	21.94	21.67	21.53	21.81		
10	256QAM	1	0	20.94	21.11	21.12	20.97	20.99	21.02	22	0.9
10	256QAM	1	25	21.18	21.03	21.20	21.12	21.22	21.10		
10	256QAM	1	49	21.12	20.97	21.00	21.12	21.09	21.13		
10	256QAM	25	0	20.85	20.85	20.86	20.94	20.85	20.77	22	0.9
10	256QAM	25	12	20.95	20.93	20.85	20.92	20.97	20.84		
10	256QAM	25	25	20.78	20.75	20.80	20.93	20.77	20.98		
10	256QAM	50	0	21.04	20.97	21.06	21.03	20.89	21.03		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.91	21.68	21.86	21.96	21.97	21.95	22.90	0
5	QPSK	1	12	21.83	21.76	21.83	21.88	22.02	21.96		
5	QPSK	1	24	21.98	21.78	21.88	21.78	21.93	21.66		
5	QPSK	12	0	21.74	21.58	21.62	21.82	21.75	21.65	22.9	0
5	QPSK	12	7	21.60	21.74	21.61	21.76	21.75	21.75		
5	QPSK	12	13	21.89	21.71	21.76	21.66	21.63	21.81		
5	QPSK	25	0	21.75	21.88	21.85	21.80	21.69	21.84		
5	16QAM	1	0	21.94	21.80	21.73	21.96	21.82	21.84	22.9	0
5	16QAM	1	12	21.60	21.83	21.60	21.81	21.92	21.87		
5	16QAM	1	24	21.83	21.78	21.80	21.81	21.92	21.81		
5	16QAM	12	0	21.69	21.76	21.71	21.84	21.92	21.67	22.9	0
5	16QAM	12	7	21.68	21.62	21.76	21.71	21.75	21.83		
5	16QAM	12	13	21.76	21.73	21.70	21.57	21.61	21.76		
5	16QAM	25	0	21.75	21.70	21.66	21.73	21.81	21.83		
5	64QAM	1	0	21.65	21.67	21.80	21.63	21.61	21.66	22.9	0
5	64QAM	1	12	21.64	21.67	21.33	21.65	21.65	21.72		
5	64QAM	1	24	21.48	21.53	21.65	21.44	21.67	21.63		
5	64QAM	12	0	21.90	21.69	21.78	21.92	22.05	21.61	22.9	0
5	64QAM	12	7	21.74	21.87	21.63	21.68	21.86	21.62		
5	64QAM	12	13	21.83	21.55	21.65	21.66	21.90	21.92		
5	64QAM	25	0	21.71	21.57	21.80	21.80	21.57	21.72		



5	256QAM	1	0	21.01	21.16	20.94	20.97	21.04	21.04	22	0.9
5	256QAM	1	12	21.13	21.08	21.23	21.14	21.22	21.26		
5	256QAM	1	24	21.03	21.15	21.00	21.14	21.03	21.07		
5	256QAM	12	0	20.87	20.97	20.82	20.79	20.89	20.78	22	0.9
5	256QAM	12	7	20.94	20.96	20.86	20.97	20.99	20.94		
5	256QAM	12	13	20.86	20.80	20.93	20.93	20.88	20.88		
5	256QAM	25	0	20.98	21.02	21.09	21.03	20.90	20.93		

Band 48 Ant4 DSI1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640				
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	21.79	21.90	21.86	21.85	23	0		
20	QPSK	1	49	21.81	21.82	21.84	21.77				
20	QPSK	1	99	21.79	21.81	21.76	21.74				
20	QPSK	50	0	20.97	21.13	20.86	20.99	22	1		
20	QPSK	50	24	21.00	20.96	21.00	20.97				
20	QPSK	50	50	20.95	20.96	21.02	20.92				
20	QPSK	100	0	20.90	21.07	21.02	20.93				
20	16QAM	1	0	20.80	20.73	20.69	20.78	22	1		
20	16QAM	1	49	20.77	20.75	20.70	20.68				
20	16QAM	1	99	20.70	20.73	20.70	20.65				
20	16QAM	50	0	19.82	19.80	19.83	19.85	21	2		
20	16QAM	50	24	19.92	19.97	19.93	19.97				
20	16QAM	50	50	20.01	19.99	19.96	19.94				
20	16QAM	100	0	19.88	19.94	19.97	19.96				
20	64QAM	1	0	19.74	19.69	19.71	19.77	21	2		
20	64QAM	1	49	19.65	19.66	19.67	19.64				
20	64QAM	1	99	19.71	19.64	19.66	19.64				
20	64QAM	50	0	19.02	18.95	19.02	18.99	20	3		
20	64QAM	50	24	18.78	18.74	18.72	18.80				
20	64QAM	50	50	19.02	18.95	18.96	18.90				
20	64QAM	100	0	18.88	18.82	18.86	18.83				
20	256QAM	1	0	16.72	16.79	16.75	16.76	18	5		
20	256QAM	1	49	16.79	16.72	16.69	16.65				
20	256QAM	1	99	16.70	16.72	16.70	16.71				
20	256QAM	50	0	17.02	17.02	17.09	17.06	18	5		
20	256QAM	50	24	16.97	17.02	17.05	16.94				
20	256QAM	50	50	16.79	16.80	16.81	16.73				
20	256QAM	100	0	16.97	16.92	16.98	16.91				
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	21.62	21.79	21.71	21.69	23	0		
15	QPSK	1	37	21.77	21.73	21.66	21.64				
15	QPSK	1	74	21.72	21.74	21.71	21.70				
15	QPSK	36	0	20.80	20.75	20.80	20.84	22	1		



15	QPSK	36	20	20.91	20.88	20.84	20.94		
15	QPSK	36	39	20.87	20.90	20.99	20.82		
15	QPSK	75	0	20.81	20.89	20.89	20.81		
15	16QAM	1	0	20.72	20.66	20.60	20.64	22	1
15	16QAM	1	37	20.63	20.66	20.58	20.60		
15	16QAM	1	74	20.61	20.60	20.64	20.65		
15	16QAM	36	0	19.65	19.73	19.67	19.81	21	2
15	16QAM	36	20	19.78	19.95	19.83	19.82		
15	16QAM	36	39	19.91	19.92	19.80	19.90		
15	16QAM	75	0	19.76	19.91	19.81	19.85	21	2
15	64QAM	1	0	19.59	19.52	19.58	19.61		
15	64QAM	1	37	19.67	19.66	19.54	19.56		
15	64QAM	1	74	19.56	19.52	19.54	19.51	20	3
15	64QAM	36	0	18.98	18.81	18.98	18.90		
15	64QAM	36	20	18.69	18.58	18.57	18.63		
15	64QAM	36	39	18.84	18.91	18.89	18.86	18	5
15	64QAM	75	0	18.76	18.74	18.78	18.71		
15	256QAM	1	0	16.56	16.61	16.66	16.71		
15	256QAM	1	37	16.70	16.63	16.53	16.55	18	5
15	256QAM	1	74	16.67	16.69	16.58	16.59		
15	256QAM	36	0	16.86	16.94	16.98	16.91		
15	256QAM	36	20	16.82	16.84	16.99	16.86	18	5
15	256QAM	36	39	16.63	16.75	16.79	16.57		
15	256QAM	75	0	16.81	16.85	16.84	16.78		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.66	21.83	21.82	21.67	23	0
10	QPSK	1	25	21.71	21.71	21.71	21.64		
10	QPSK	1	49	21.74	21.77	21.69	21.65		
10	QPSK	25	0	20.81	20.84	20.84	20.97	22	1
10	QPSK	25	12	20.90	20.83	20.87	20.90		
10	QPSK	25	25	20.79	20.85	20.96	20.76		
10	QPSK	50	0	20.74	20.94	20.95	20.80	22	1
10	16QAM	1	0	20.71	20.56	20.53	20.66		
10	16QAM	1	25	20.70	20.58	20.63	20.62		
10	16QAM	1	49	20.65	20.64	20.63	20.61	21	2
10	16QAM	25	0	19.73	19.73	19.73	19.81		
10	16QAM	25	12	19.89	19.81	19.82	19.89		
10	16QAM	25	25	19.89	19.94	19.80	19.91	21	2
10	16QAM	50	0	19.72	19.91	19.89	19.84		
10	64QAM	1	0	19.67	19.53	19.67	19.60		
10	64QAM	1	25	19.59	19.56	19.51	19.62	20	3
10	64QAM	1	49	19.67	19.53	19.55	19.65		
10	64QAM	25	0	18.99	18.86	18.88	18.93		
10	64QAM	25	12	18.69	18.66	18.63	18.73	18	5
10	64QAM	25	25	18.88	18.80	18.89	18.83		
10	64QAM	50	0	18.84	18.68	18.71	18.75		
10	256QAM	1	0	16.66	16.61	16.64	16.66	18	5
10	256QAM	1	25	16.77	16.67	16.58	16.50		



10	256QAM	1	49	16.52	16.57	16.58	16.54		
10	256QAM	25	0	16.91	16.88	17.02	17.03	18	5
10	256QAM	25	12	16.95	16.92	16.90	16.89		
10	256QAM	25	25	16.70	16.76	16.66	16.62		
10	256QAM	50	0	16.91	16.83	16.95	16.87		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	21.68	21.77	21.79	21.78	23	0
5	QPSK	1	12	21.73	21.66	21.68	21.72		
5	QPSK	1	24	21.65	21.72	21.74	21.57		
5	QPSK	12	0	20.86	20.82	20.78	20.94	22	1
5	QPSK	12	7	20.89	20.88	20.98	20.90		
5	QPSK	12	13	20.77	20.81	20.84	20.81		
5	QPSK	25	0	20.84	20.81	20.89	20.90		
5	16QAM	1	0	20.72	20.70	20.54	20.75	22	1
5	16QAM	1	12	20.60	20.63	20.56	20.52		
5	16QAM	1	24	20.53	20.64	20.67	20.55		
5	16QAM	12	0	19.69	19.64	19.67	19.72	21	2
5	16QAM	12	7	19.86	19.85	19.83	19.82		
5	16QAM	12	13	19.97	19.83	19.91	19.79		
5	16QAM	25	0	19.76	19.79	19.91	19.93		
5	64QAM	1	0	19.59	19.64	19.65	19.64	21	2
5	64QAM	1	12	19.50	19.53	19.59	19.52		
5	64QAM	1	24	19.56	19.51	19.56	19.76		
5	64QAM	12	0	18.93	18.87	18.90	18.85	20	3
5	64QAM	12	7	18.65	18.71	18.63	18.75		
5	64QAM	12	13	18.89	18.81	18.83	18.80		
5	64QAM	25	0	18.77	18.75	18.71	18.75		
5	256QAM	1	0	16.67	16.65	16.73	16.58	18	5
5	256QAM	1	12	16.75	16.61	16.58	16.57		
5	256QAM	1	24	16.63	16.56	16.65	16.55		
5	256QAM	12	0	16.96	16.99	17.00	17.02	18	5
5	256QAM	12	7	16.94	16.89	16.97	16.89		
5	256QAM	12	13	16.69	16.66	16.78	16.63		
5	256QAM	25	0	16.83	16.76	16.81	16.76		

Reduced Power Mode for DSI 2

Band 38 Ant3 DSI2

BW [MHz]	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	17.41	17.52	17.46	18.7	0
20	QPSK	1	49	17.40	17.41	17.46		
20	QPSK	1	99	17.27	17.43	17.33		
20	QPSK	50	0	17.35	17.36	17.33	18.7	0
20	QPSK	50	24	17.28	17.28	17.30		
20	QPSK	50	50	17.00	17.14	17.08		
20	QPSK	100	0	17.17	17.38	17.27		
20	16QAM	1	0	17.32	17.31	17.28	18.7	0
20	16QAM	1	49	17.09	17.27	17.21		
20	16QAM	1	99	17.32	17.43	17.25		
20	16QAM	50	0	17.20	17.39	17.14	18.7	0
20	16QAM	50	24	17.18	17.30	17.21		
20	16QAM	50	50	17.41	17.42	17.21		
20	16QAM	100	0	17.23	17.34	17.16		
20	64QAM	1	0	17.16	17.29	17.20	18.7	0
20	64QAM	1	49	17.23	17.36	17.35		
20	64QAM	1	99	17.18	17.35	17.15		
20	64QAM	50	0	17.22	17.30	17.11	18.7	0
20	64QAM	50	24	17.21	17.28	17.19		
20	64QAM	50	50	17.12	17.17	17.03		
20	64QAM	100	0	17.23	17.38	17.19		
20	256QAM	1	0	17.15	17.20	17.15	18.7	0
20	256QAM	1	49	17.06	17.27	16.98		
20	256QAM	1	99	17.18	17.29	17.21		
20	256QAM	50	0	17.10	17.14	17.18	18.7	0
20	256QAM	50	24	17.20	17.09	17.01		
20	256QAM	50	50	17.17	17.26	17.30		
20	256QAM	100	0	17.15	17.15	17.05		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	17.32	17.48	17.32	18.7	0
15	QPSK	1	37	17.36	17.31	17.33		
15	QPSK	1	74	17.23	17.35	17.18		
15	QPSK	36	0	17.22	17.27	17.24	18.7	0
15	QPSK	36	20	17.23	17.15	17.14		
15	QPSK	36	39	16.92	16.98	16.94		
15	QPSK	75	0	17.10	17.25	17.13		
15	16QAM	1	0	17.25	17.27	17.24	18.7	0
15	16QAM	1	37	17.02	17.22	17.07		
15	16QAM	1	74	17.22	17.35	17.19		
15	16QAM	36	0	17.16	17.33	17.08	18.7	0

15	16QAM	36	20	17.10	17.23	17.16		
15	16QAM	36	39	17.34	17.37	17.14		
15	16QAM	75	0	17.19	17.21	17.10		
15	64QAM	1	0	17.04	17.17	17.13	18.7	0
15	64QAM	1	37	17.12	17.25	17.30		
15	64QAM	1	74	17.03	17.30	17.03		
15	64QAM	36	0	17.16	17.25	17.07	18.7	0
15	64QAM	36	20	17.09	17.21	17.06		
15	64QAM	36	39	17.07	17.05	16.92		
15	64QAM	75	0	17.08	17.33	17.15	18.7	0
15	256QAM	1	0	17.14	17.22	17.03		
15	256QAM	1	37	17.00	17.12	17.01		
15	256QAM	1	74	17.11	17.24	17.13	18.7	0
15	256QAM	36	0	17.15	17.01	17.10		
15	256QAM	36	20	17.07	17.00	16.96		
15	256QAM	36	39	17.02	17.13	17.24	18.7	0
15	256QAM	75	0	16.93	17.09	16.88		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	17.31	17.42	17.36	18.7	0
10	QPSK	1	25	17.27	17.33	17.37		
10	QPSK	1	49	17.16	17.29	17.25		
10	QPSK	25	0	17.21	17.24	17.19	18.7	0
10	QPSK	25	12	17.16	17.22	17.23		
10	QPSK	25	25	16.96	17.04	16.97		
10	QPSK	50	0	17.13	17.30	17.20	18.7	0
10	16QAM	1	0	17.25	17.21	17.16		
10	16QAM	1	25	16.96	17.23	17.07		
10	16QAM	1	49	17.16	17.34	17.15	18.7	0
10	16QAM	25	0	17.13	17.30	17.00		
10	16QAM	25	12	17.07	17.15	17.08		
10	16QAM	25	25	17.35	17.34	17.09	18.7	0
10	16QAM	50	0	17.13	17.27	17.09		
10	64QAM	1	0	17.05	17.13	17.10		
10	64QAM	1	25	17.11	17.28	17.26	18.7	0
10	64QAM	1	49	17.06	17.22	17.11		
10	64QAM	25	0	17.15	17.23	17.04		
10	64QAM	25	12	17.14	17.17	17.11	18.7	0
10	64QAM	25	25	17.04	17.06	16.90		
10	64QAM	50	0	17.16	17.23	17.04		
10	256QAM	1	0	17.08	17.15	17.04	18.7	0
10	256QAM	1	25	17.03	17.23	16.95		
10	256QAM	1	49	17.07	17.21	17.14		
10	256QAM	25	0	17.08	17.04	17.12	18.7	0
10	256QAM	25	12	17.06	17.05	16.88		
10	256QAM	25	25	16.93	17.15	17.24		
10	256QAM	50	0	16.96	17.01	16.91	18.7	0
Channel				37775	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)

5	QPSK	1	0	17.35	17.45	17.40	18.7	0
5	QPSK	1	12	17.34	17.31	17.34		
5	QPSK	1	24	17.15	17.36	17.28		
5	QPSK	12	0	17.28	17.28	17.26	18.7	0
5	QPSK	12	7	17.16	17.13	17.21		
5	QPSK	12	13	16.95	16.98	16.96		
5	QPSK	25	0	17.11	17.32	17.12		
5	16QAM	1	0	17.20	17.22	17.18	18.7	0
5	16QAM	1	12	17.01	17.18	17.11		
5	16QAM	1	24	17.16	17.33	17.21		
5	16QAM	12	0	17.10	17.31	17.00	18.7	0
5	16QAM	12	7	17.04	17.23	17.06		
5	16QAM	12	13	17.37	17.32	17.15		
5	16QAM	25	0	17.13	17.27	17.00		
5	64QAM	1	0	17.03	17.18	17.15	18.7	0
5	64QAM	1	12	17.14	17.25	17.21		
5	64QAM	1	24	17.02	17.27	17.00		
5	64QAM	12	0	17.09	17.19	17.04	18.7	0
5	64QAM	12	7	17.14	17.18	17.04		
5	64QAM	12	13	17.05	17.12	16.88		
5	64QAM	25	0	17.13	17.29	17.14		
5	256QAM	1	0	17.10	17.22	17.14	18.7	0
5	256QAM	1	12	17.06	17.14	16.95		
5	256QAM	1	24	17.07	17.20	17.12		
5	256QAM	12	0	17.11	16.99	17.03	18.7	0
5	256QAM	12	7	16.99	16.99	16.97		
5	256QAM	12	13	16.97	17.17	17.16		
5	256QAM	25	0	16.93	17.10	16.89		

Band 41 Ant3 DSI2											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490	18.7	0
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.42	17.41	17.45	17.61	17.52	17.40		
20	QPSK	1	49	17.42	17.44	17.53	17.53	17.51	17.42	18.7	0
20	QPSK	1	99	17.36	17.31	17.39	17.49	17.41	17.34		
20	QPSK	50	0	17.29	17.28	17.43	17.46	17.37	17.28		
20	QPSK	50	24	17.29	17.34	17.36	17.43	17.43	17.30		
20	QPSK	50	50	17.00	17.02	17.12	17.28	17.12	17.02	18.7	0
20	QPSK	100	0	17.22	17.21	17.29	17.51	17.32	17.17		
20	16QAM	1	0	17.22	17.23	17.45	17.45	17.35	17.29		
20	16QAM	1	49	17.19	17.12	17.24	17.33	17.25	17.17	18.7	0
20	16QAM	1	99	17.34	17.27	17.44	17.54	17.40	17.30		
20	16QAM	50	0	17.16	17.23	17.29	17.48	17.28	17.24		
20	16QAM	50	24	17.15	17.22	17.26	17.37	17.26	17.13	18.7	0
20	16QAM	50	50	17.22	17.30	17.46	17.47	17.35	17.22		

20	16QAM	100	0	17.11	17.10	17.30	17.46	17.23	17.11		
20	64QAM	1	0	17.13	17.20	17.31	17.36	17.27	17.11	18.7	0
20	64QAM	1	49	17.39	17.41	17.37	17.49	17.45	17.32		
20	64QAM	1	99	17.18	17.20	17.32	17.40	17.27	17.17		
20	64QAM	50	0	17.11	17.08	17.27	17.40	17.23	17.19	18.7	0
20	64QAM	50	24	17.16	17.18	17.32	17.37	17.23	17.10		
20	64QAM	50	50	17.11	17.08	17.20	17.24	17.15	17.03		
20	64QAM	100	0	17.15	17.17	17.31	17.45	17.30	17.19		
20	256QAM	1	0	17.20	17.16	17.27	17.32	17.27	17.12	18.7	0
20	256QAM	1	49	17.06	17.00	17.20	17.32	17.14	17.00		
20	256QAM	1	99	17.20	17.14	17.27	17.44	17.29	17.13		
20	256QAM	50	0	17.13	17.12	17.26	17.24	17.24	17.19	18.7	0
20	256QAM	50	24	16.96	17.03	17.24	17.21	17.09	16.96		
20	256QAM	50	50	17.31	17.29	17.25	17.41	17.37	17.26		
20	256QAM	100	0	17.03	17.14	17.20	17.27	17.18	17.07		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.36	17.31	17.38	17.51	17.37	17.32	18.70	0
15	QPSK	1	37	17.28	17.32	17.48	17.39	17.44	17.35		
15	QPSK	1	74	17.25	17.25	17.23	17.33	17.31	17.21		
15	QPSK	36	0	17.18	17.16	17.37	17.31	17.24	17.18	18.7	0
15	QPSK	36	20	17.20	17.23	17.22	17.36	17.30	17.16		
15	QPSK	36	39	16.94	16.94	17.04	17.19	16.96	16.87		
15	QPSK	75	0	17.15	17.16	17.16	17.36	17.18	17.02		
15	16QAM	1	0	17.15	17.18	17.40	17.39	17.24	17.18	18.7	0
15	16QAM	1	37	17.13	17.01	17.09	17.28	17.14	17.04		
15	16QAM	1	74	17.19	17.19	17.36	17.38	17.30	17.18		
15	16QAM	36	0	17.11	17.13	17.15	17.36	17.24	17.12	18.7	0
15	16QAM	36	20	17.05	17.12	17.17	17.33	17.13	17.05		
15	16QAM	36	39	17.08	17.17	17.37	17.36	17.29	17.15		
15	16QAM	75	0	16.98	16.97	17.19	17.39	17.13	17.01		
15	64QAM	1	0	17.00	17.07	17.21	17.24	17.11	16.96	18.7	0
15	64QAM	1	37	17.27	17.35	17.32	17.34	17.37	17.20		
15	64QAM	1	74	17.12	17.12	17.19	17.33	17.15	17.12		
15	64QAM	36	0	17.06	16.97	17.18	17.31	17.08	17.04	18.7	0
15	64QAM	36	20	17.07	17.08	17.27	17.22	17.15	16.96		
15	64QAM	36	39	17.06	16.95	17.14	17.16	17.01	16.95		
15	64QAM	75	0	17.00	17.04	17.24	17.40	17.24	17.07		
15	256QAM	1	0	17.11	17.00	17.15	17.22	17.20	16.99	18.7	0
15	256QAM	1	37	17.01	16.95	17.09	17.24	16.98	16.91		
15	256QAM	1	74	17.08	17.07	17.14	17.37	17.22	17.07		
15	256QAM	36	0	17.06	17.00	17.19	17.18	17.12	17.13	18.7	0
15	256QAM	36	20	16.90	16.89	17.18	17.06	16.98	16.89		
15	256QAM	36	39	17.17	17.22	17.09	17.33	17.29	17.19		
15	256QAM	75	0	16.95	16.99	17.09	17.17	17.12	16.99		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	17.28	17.36	17.32	17.55	17.42	17.34	18.70	0
10	QPSK	1	25	17.27	17.35	17.43	17.44	17.45	17.27		

10	QPSK	1	49	17.28	17.26	17.34	17.33	17.32	17.20		
10	QPSK	25	0	17.17	17.18	17.37	17.35	17.27	17.15	18.7	0
10	QPSK	25	12	17.14	17.24	17.28	17.36	17.29	17.15		
10	QPSK	25	25	16.90	16.97	17.05	17.15	16.97	16.87		
10	QPSK	50	0	17.09	17.16	17.20	17.42	17.27	17.02		
10	16QAM	1	0	17.07	17.11	17.39	17.35	17.20	17.23	18.7	0
10	16QAM	1	25	17.05	17.06	17.11	17.21	17.19	17.09		
10	16QAM	1	49	17.27	17.15	17.36	17.42	17.34	17.14		
10	16QAM	25	0	17.00	17.15	17.21	17.36	17.13	17.08	18.7	0
10	16QAM	25	12	17.01	17.11	17.21	17.25	17.17	17.03		
10	16QAM	25	25	17.18	17.18	17.42	17.38	17.29	17.11		
10	16QAM	50	0	17.02	17.04	17.19	17.41	17.13	16.95		
10	64QAM	1	0	17.09	17.05	17.18	17.29	17.17	16.96	18.7	0
10	64QAM	1	25	17.32	17.35	17.27	17.39	17.36	17.25		
10	64QAM	1	49	17.07	17.12	17.23	17.29	17.16	17.07		
10	64QAM	25	0	17.06	16.97	17.15	17.26	17.18	17.09	18.7	0
10	64QAM	25	12	17.10	17.04	17.23	17.32	17.10	17.02		
10	64QAM	25	25	17.04	16.93	17.13	17.17	17.03	16.91		
10	64QAM	50	0	17.00	17.06	17.25	17.33	17.19	17.06		
10	256QAM	1	0	17.08	17.07	17.19	17.20	17.12	17.06	18.7	0
10	256QAM	1	25	16.92	16.95	17.14	17.23	17.03	16.96		
10	256QAM	1	49	17.05	17.05	17.13	17.36	17.18	16.98		
10	256QAM	25	0	17.07	17.03	17.20	17.11	17.11	17.07	18.7	0
10	256QAM	25	12	16.90	16.96	17.12	17.12	16.99	16.81		
10	256QAM	25	25	17.17	17.24	17.13	17.26	17.31	17.15		
10	256QAM	50	0	16.96	17.05	17.14	17.14	17.06	17.02		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.29	17.26	17.39	17.46	17.43	17.31	18.70	0
5	QPSK	1	12	17.28	17.37	17.38	17.45	17.40	17.32		
5	QPSK	1	24	17.24	17.16	17.31	17.35	17.29	17.20		
5	QPSK	12	0	17.16	17.15	17.35	17.41	17.21	17.19	18.7	0
5	QPSK	12	7	17.22	17.25	17.22	17.38	17.38	17.25		
5	QPSK	12	13	16.91	16.91	17.03	17.14	16.97	16.96		
5	QPSK	25	0	17.08	17.16	17.22	17.40	17.28	17.06		
5	16QAM	1	0	17.15	17.17	17.30	17.32	17.31	17.16	18.7	0
5	16QAM	1	12	17.04	16.98	17.17	17.23	17.15	17.07		
5	16QAM	1	24	17.27	17.23	17.40	17.48	17.31	17.16		
5	16QAM	12	0	17.05	17.10	17.19	17.36	17.19	17.08	18.7	0
5	16QAM	12	7	17.04	17.07	17.14	17.27	17.20	16.98		
5	16QAM	12	13	17.18	17.24	17.41	17.38	17.23	17.09		
5	16QAM	25	0	17.00	16.99	17.14	17.34	17.16	17.05		
5	64QAM	1	0	17.02	17.13	17.17	17.29	17.20	17.05	18.7	0
5	64QAM	1	12	17.26	17.28	17.28	17.44	17.38	17.17		
5	64QAM	1	24	17.08	17.09	17.17	17.35	17.12	17.08		
5	64QAM	12	0	17.00	17.00	17.11	17.32	17.14	17.10	18.7	0
5	64QAM	12	7	17.01	17.06	17.26	17.28	17.11	17.05		
5	64QAM	12	13	17.02	16.99	17.07	17.18	17.06	16.96		
5	64QAM	25	0	17.08	17.09	17.16	17.32	17.20	17.09		



5	256QAM	1	0	17.15	17.08	17.16	17.27	17.12	17.07	18.7	0
5	256QAM	1	12	16.91	16.90	17.06	17.19	17.02	16.86		
5	256QAM	1	24	17.13	16.99	17.18	17.35	17.18	17.07		
5	256QAM	12	0	17.05	16.99	17.19	17.11	17.16	17.11	18.7	0
5	256QAM	12	7	16.87	16.97	17.16	17.08	16.94	16.90		
5	256QAM	12	13	17.22	17.21	17.20	17.32	17.33	17.13		
5	256QAM	25	0	16.87	17.02	17.13	17.19	17.07	16.92		

Band 41 HPUE Ant3 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	25.77	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39790	39750	40185	40620	41055	41490		
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.06	19.05	19.13	19.25	19.18	19.01	20.3	0
20	QPSK	1	49	19.07	19.03	19.21	19.21	19.10	19.09		
20	QPSK	1	99	18.95	18.98	18.99	19.08	18.99	18.96		
20	QPSK	50	0	18.95	18.91	19.04	19.07	19.04	18.90	20.3	0
20	QPSK	50	24	18.93	19.04	19.06	19.03	19.04	18.98		
20	QPSK	50	50	18.61	18.69	18.77	18.89	18.81	18.71		
20	QPSK	100	0	18.83	18.87	18.90	19.10	19.00	18.83		
20	16QAM	1	0	18.92	18.81	19.06	19.05	18.99	18.87	20.3	0
20	16QAM	1	49	18.83	18.78	18.90	19.00	18.87	18.78		
20	16QAM	1	99	19.04	18.90	19.03	19.21	19.04	18.96		
20	16QAM	50	0	18.76	18.81	18.93	19.10	18.88	18.86	20.3	0
20	16QAM	50	24	18.84	18.87	18.95	18.98	18.93	18.76		
20	16QAM	50	50	18.83	18.95	19.05	19.06	18.95	18.80		
20	16QAM	100	0	18.78	18.80	18.90	19.10	18.86	18.78		
20	64QAM	1	0	18.75	18.83	18.91	19.01	18.88	18.78	20.3	0
20	64QAM	1	49	19.00	19.08	18.99	19.17	19.07	18.99		
20	64QAM	1	99	18.84	18.86	18.98	19.09	18.91	18.77		
20	64QAM	50	0	18.71	18.70	18.90	19.05	18.91	18.84	20.3	0
20	64QAM	50	24	18.76	18.87	18.91	18.95	18.84	18.79		
20	64QAM	50	50	18.70	18.69	18.89	18.93	18.77	18.72		
20	64QAM	100	0	18.79	18.83	18.97	19.14	18.95	18.85		
20	256QAM	1	0	18.85	18.77	18.87	19.01	18.85	18.76	20.3	0
20	256QAM	1	49	18.68	18.65	18.84	18.92	18.76	18.61		
20	256QAM	1	99	18.86	18.81	18.92	19.09	18.95	18.74		
20	256QAM	50	0	18.72	18.70	18.91	18.93	18.94	18.79	20.3	0
20	256QAM	50	24	18.66	18.62	18.84	18.88	18.79	18.62		
20	256QAM	50	50	19.01	18.99	18.91	19.01	19.01	18.87		
20	256QAM	100	0	18.63	18.84	18.85	18.95	18.84	18.66		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.99	18.94	19.05	19.13	19.06	18.92		
15	QPSK	1	37	19.02	18.99	19.10	19.15	19.01	18.97	20.30	0
15	QPSK	1	74	18.86	18.93	18.87	18.95	18.84	18.85		
15	QPSK	36	0	18.88	18.76	18.90	18.94	18.91	18.81	20.3	0



15	QPSK	36	20	18.84	18.99	18.95	18.93	18.89	18.91		
15	QPSK	36	39	18.51	18.62	18.73	18.82	18.71	18.60		
15	QPSK	75	0	18.68	18.78	18.82	19.06	18.90	18.78		
15	16QAM	1	0	18.87	18.76	18.95	18.99	18.84	18.81	20.3	0
15	16QAM	1	37	18.78	18.70	18.78	18.86	18.72	18.70		
15	16QAM	1	74	18.88	18.74	18.95	19.13	18.97	18.81		
15	16QAM	36	0	18.72	18.67	18.87	19.00	18.75	18.73	20.3	0
15	16QAM	36	20	18.71	18.78	18.88	18.89	18.80	18.67		
15	16QAM	36	39	18.78	18.87	18.93	19.01	18.79	18.73		
15	16QAM	75	0	18.65	18.75	18.84	19.06	18.74	18.66	20.3	0
15	64QAM	1	0	18.62	18.76	18.83	18.97	18.73	18.73		
15	64QAM	1	37	18.93	18.96	18.90	19.07	18.92	18.87		
15	64QAM	1	74	18.75	18.75	18.89	19.04	18.85	18.63	20.3	0
15	64QAM	36	0	18.66	18.63	18.85	18.90	18.84	18.78		
15	64QAM	36	20	18.62	18.72	18.85	18.83	18.70	18.64		
15	64QAM	36	39	18.55	18.65	18.82	18.86	18.71	18.64	20.3	0
15	64QAM	75	0	18.67	18.70	18.85	19.09	18.89	18.78		
15	256QAM	1	0	18.73	18.63	18.76	18.93	18.80	18.70		
15	256QAM	1	37	18.58	18.53	18.78	18.85	18.67	18.51	20.3	0
15	256QAM	1	74	18.71	18.75	18.85	19.00	18.86	18.60		
15	256QAM	36	0	18.64	18.56	18.85	18.78	18.83	18.66		
15	256QAM	36	20	18.60	18.53	18.71	18.75	18.72	18.49	20.3	0
15	256QAM	36	39	18.89	18.94	18.82	18.97	18.96	18.82		
15	256QAM	75	0	18.50	18.71	18.77	18.85	18.71	18.61		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	18.93	18.97	19.09	19.21	19.10	18.96	20.30	0
10	QPSK	1	25	18.95	18.94	19.16	19.14	18.96	18.97		
10	QPSK	1	49	18.89	18.84	18.84	19.00	18.90	18.82		
10	QPSK	25	0	18.89	18.85	18.89	18.91	18.96	18.83	20.3	0
10	QPSK	25	12	18.78	18.98	18.96	18.88	18.97	18.88		
10	QPSK	25	25	18.48	18.62	18.67	18.83	18.76	18.58		
10	QPSK	50	0	18.73	18.76	18.81	19.00	18.94	18.73	20.3	0
10	16QAM	1	0	18.88	18.75	19.00	18.93	18.93	18.81		
10	16QAM	1	25	18.68	18.65	18.75	18.85	18.79	18.71		
10	16QAM	1	49	18.89	18.79	18.88	19.10	18.91	18.86	20.3	0
10	16QAM	25	0	18.68	18.71	18.83	18.97	18.76	18.79		
10	16QAM	25	12	18.79	18.80	18.85	18.87	18.87	18.65		
10	16QAM	25	25	18.74	18.84	18.99	18.91	18.86	18.66	20.3	0
10	16QAM	50	0	18.64	18.65	18.82	18.94	18.73	18.67		
10	64QAM	1	0	18.60	18.76	18.78	18.90	18.74	18.65		
10	64QAM	1	25	18.95	18.98	18.86	19.07	19.01	18.87	20.3	0
10	64QAM	1	49	18.77	18.78	18.82	19.04	18.83	18.73		
10	64QAM	25	0	18.59	18.55	18.85	18.95	18.85	18.70		
10	64QAM	25	12	18.70	18.83	18.76	18.83	18.68	18.72	20.3	0
10	64QAM	25	25	18.61	18.55	18.77	18.84	18.67	18.62		
10	64QAM	50	0	18.72	18.74	18.85	19.01	18.84	18.74		
10	256QAM	1	0	18.72	18.67	18.72	18.88	18.74	18.63	20.3	0
10	256QAM	1	25	18.58	18.60	18.78	18.79	18.63	18.68		



10	256QAM	1	49	18.80	18.75	18.81	19.02	18.85	18.61		
10	256QAM	25	0	18.66	18.60	18.83	18.78	18.80	18.70	20.3	0
10	256QAM	25	12	18.59	18.49	18.70	18.78	18.72	18.54		
10	256QAM	25	25	18.96	18.85	18.84	18.87	18.86	18.80		
10	256QAM	50	0	18.48	18.70	18.81	18.81	18.78	18.61		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.96	18.99	19.00	19.20	19.05	18.86	20.30	0
5	QPSK	1	12	18.99	18.91	19.05	19.07	19.01	18.98		
5	QPSK	1	24	18.88	18.91	18.92	19.01	18.90	18.89		
5	QPSK	12	0	18.80	18.83	18.90	19.03	18.96	18.76	20.3	0
5	QPSK	12	7	18.81	18.96	18.97	18.95	18.90	18.82		
5	QPSK	12	13	18.67	18.63	18.66	18.76	18.74	18.58		
5	QPSK	25	0	18.67	18.81	18.82	19.04	18.92	18.75		
5	16QAM	1	0	18.82	18.66	19.00	18.96	18.88	18.76	20.3	0
5	16QAM	1	12	18.79	18.70	18.75	18.89	18.73	18.74		
5	16QAM	1	24	18.89	18.83	18.98	19.05	18.93	18.83		
5	16QAM	12	0	18.63	18.66	18.79	18.97	18.80	18.75	20.3	0
5	16QAM	12	7	18.75	18.78	18.83	18.89	18.79	18.71		
5	16QAM	12	13	18.77	18.82	18.91	18.94	18.83	18.73		
5	16QAM	25	0	18.66	18.75	18.85	19.03	18.77	18.65		
5	64QAM	1	0	18.65	18.70	18.82	18.89	18.73	18.72	20.3	0
5	64QAM	1	12	18.85	18.95	18.92	19.07	18.91	18.86		
5	64QAM	1	24	18.78	18.77	18.86	18.99	18.80	18.63		
5	64QAM	12	0	18.64	18.59	18.86	18.98	18.75	18.75	20.3	0
5	64QAM	12	7	18.68	18.77	18.84	18.83	18.72	18.73		
5	64QAM	12	13	18.59	18.57	18.77	18.80	18.63	18.66		
5	64QAM	25	0	18.73	18.70	18.84	19.01	18.87	18.72		
5	256QAM	1	0	18.71	18.72	18.74	18.95	18.75	18.65	20.3	0
5	256QAM	1	12	18.57	18.56	18.80	18.85	18.63	18.57		
5	256QAM	1	24	18.77	18.71	18.78	18.98	18.90	18.69		
5	256QAM	12	0	18.62	18.63	18.85	18.80	18.85	18.69	20.3	0
5	256QAM	12	7	18.60	18.46	18.75	18.79	18.70	18.49		
5	256QAM	12	13	18.91	18.87	18.76	18.89	18.93	18.82		
5	256QAM	25	0	18.50	18.70	18.78	18.90	18.71	18.56		

Band 48 Ant4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.24	17.41	17.31	17.34	18.2	0
20	QPSK	1	49	17.26	17.25	17.33	17.31		
20	QPSK	1	99	17.10	17.13	17.32	17.22		
20	QPSK	50	0	17.12	17.15	17.28	17.19	18.2	0
20	QPSK	50	24	17.06	17.19	17.26	17.16		
20	QPSK	50	50	16.80	16.85	17.10	16.96		
20	QPSK	100	0	16.95	17.08	17.24	17.15		
20	16QAM	1	0	17.13	16.96	17.27	17.12	18.2	0
20	16QAM	1	49	17.01	16.90	17.20	17.09		
20	16QAM	1	99	17.27	17.11	17.39	17.19		
20	16QAM	50	0	16.93	17.00	17.24	17.08	18.2	0
20	16QAM	50	24	17.07	17.00	17.18	17.15		
20	16QAM	50	50	16.97	17.17	17.18	17.16		
20	16QAM	100	0	16.93	17.00	17.28	16.99		
20	64QAM	1	0	16.91	16.96	17.24	17.05	18.2	0
20	64QAM	1	49	17.18	17.27	17.32	17.22		
20	64QAM	1	99	17.08	17.02	17.31	17.07		
20	64QAM	50	0	16.91	16.90	17.19	17.08	18.2	0
20	64QAM	50	24	16.93	17.03	17.12	17.00		
20	64QAM	50	50	16.85	16.90	17.13	16.98		
20	64QAM	100	0	16.96	17.01	17.32	17.07		
20	256QAM	1	0	17.02	16.90	17.18	17.04	18	0.2
20	256QAM	1	49	16.88	16.82	17.09	17.00		
20	256QAM	1	99	17.00	16.99	17.30	17.17		
20	256QAM	50	0	16.90	16.92	17.06	17.14	18	0.2
20	256QAM	50	24	16.87	16.85	17.02	16.97		
20	256QAM	50	50	17.24	17.19	17.25	17.15		
20	256QAM	100	0	16.77	16.96	17.16	17.03		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	17.16	17.17	17.34	17.25	18.2	0
15	QPSK	1	37	17.14	17.16	17.20	17.16		
15	QPSK	1	74	17.06	17.01	17.18	17.07		
15	QPSK	36	0	16.99	17.10	17.19	17.04	18.2	0
15	QPSK	36	20	17.01	17.04	17.12	17.00		
15	QPSK	36	39	16.75	16.79	17.04	16.83		
15	QPSK	75	0	16.81	16.96	17.19	17.10		
15	16QAM	1	0	17.08	16.87	17.13	16.96	18.2	0
15	16QAM	1	37	16.86	16.82	17.10	16.98		
15	16QAM	1	74	17.16	17.02	17.26	17.03		
15	16QAM	36	0	16.87	16.92	17.20	17.00	18.2	0



15	16QAM	36	20	16.93	16.88	17.10	17.11		
15	16QAM	36	39	16.92	17.12	17.03	17.08		
15	16QAM	75	0	16.82	16.84	17.14	16.86		
15	64QAM	1	0	16.81	16.89	17.19	16.98	18.2	0
15	64QAM	1	37	17.03	17.21	17.22	17.14		
15	64QAM	1	74	17.01	16.95	17.15	17.02		
15	64QAM	36	0	16.79	16.82	17.11	16.99	18.2	0
15	64QAM	36	20	16.86	16.94	16.96	16.88		
15	64QAM	36	39	16.70	16.79	17.03	16.84		
15	64QAM	75	0	16.82	16.94	17.27	16.93	18	0.2
15	256QAM	1	0	16.87	16.77	17.10	16.88		
15	256QAM	1	37	16.79	16.77	17.03	16.88		
15	256QAM	1	74	16.91	16.90	17.23	17.04	18	0.2
15	256QAM	36	0	16.86	16.87	16.95	17.01		
15	256QAM	36	20	16.73	16.80	16.97	16.83		
15	256QAM	36	39	17.09	17.09	17.20	17.11	18	0.2
15	256QAM	75	0	16.64	16.85	17.09	16.98		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.15	17.13	17.32	17.25	18.2	0
10	QPSK	1	25	17.11	17.16	17.22	17.24		
10	QPSK	1	49	16.99	17.07	17.19	17.16		
10	QPSK	25	0	16.99	17.00	17.24	17.04	18.2	0
10	QPSK	25	12	16.97	17.05	17.21	17.00		
10	QPSK	25	25	16.74	16.77	16.97	16.83		
10	QPSK	50	0	16.82	17.02	17.10	17.09	18.2	0
10	16QAM	1	0	17.01	16.84	17.18	17.05		
10	16QAM	1	25	16.86	16.84	17.06	17.03		
10	16QAM	1	49	17.12	16.98	17.34	17.15	18.2	0
10	16QAM	25	0	16.85	16.92	17.16	16.98		
10	16QAM	25	12	16.98	16.89	17.02	17.05		
10	16QAM	25	25	16.90	17.04	17.11	17.04	18.2	0
10	16QAM	50	0	16.89	16.87	17.13	16.83		
10	64QAM	1	0	16.80	16.90	17.14	17.00		
10	64QAM	1	25	17.12	17.13	17.20	17.12	18.2	0
10	64QAM	1	49	16.98	16.96	17.18	17.03		
10	64QAM	25	0	16.80	16.82	17.06	16.93		
10	64QAM	25	12	16.83	16.90	17.03	16.96	18.2	0
10	64QAM	25	25	16.72	16.76	17.08	16.89		
10	64QAM	50	0	16.81	16.91	17.19	16.92		
10	256QAM	1	0	16.87	16.84	17.13	16.98	18	0.2
10	256QAM	1	25	16.83	16.72	16.99	16.93		
10	256QAM	1	49	16.90	16.84	17.18	17.07		
10	256QAM	25	0	16.79	16.86	16.93	17.05	18	0.2
10	256QAM	25	12	16.76	16.77	16.97	16.92		
10	256QAM	25	25	17.10	17.15	17.11	17.10		
10	256QAM	50	0	16.65	16.80	17.10	16.91	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		



5	QPSK	1	0	17.13	17.16	17.26	17.28	18.2	0
5	QPSK	1	12	17.18	17.12	17.19	17.26		
5	QPSK	1	24	16.96	17.02	17.23	17.14		
5	QPSK	12	0	17.07	17.06	17.16	17.13	18.2	0
5	QPSK	12	7	16.91	17.14	17.13	17.05		
5	QPSK	12	13	16.66	16.80	16.98	16.88		
5	QPSK	25	0	16.86	16.97	17.14	17.02	18.2	0
5	16QAM	1	0	17.08	16.83	17.12	17.03		
5	16QAM	1	12	16.97	16.91	17.12	16.95		
5	16QAM	1	24	17.13	17.02	17.32	17.07	18.2	0
5	16QAM	12	0	16.84	16.89	17.15	16.99		
5	16QAM	12	7	17.00	16.95	17.08	17.01		
5	16QAM	12	13	16.92	17.07	17.10	17.07	18.2	0
5	16QAM	25	0	16.83	16.95	17.16	16.89		
5	64QAM	1	0	16.80	16.82	17.13	16.95		
5	64QAM	1	12	17.09	17.16	17.23	17.15	18.2	0
5	64QAM	1	24	17.01	16.96	17.24	17.00		
5	64QAM	12	0	16.82	16.84	17.09	17.03		
5	64QAM	12	7	16.82	16.97	17.07	16.89	18.2	0
5	64QAM	12	13	16.70	16.80	17.02	16.87		
5	64QAM	25	0	16.84	16.90	17.22	16.98		
5	256QAM	1	0	16.92	16.77	17.03	16.98	18	0.2
5	256QAM	1	12	16.77	16.75	16.96	16.90		
5	256QAM	1	24	16.90	16.95	17.19	17.07		
5	256QAM	12	0	16.75	16.80	16.93	17.01	18	0.2
5	256QAM	12	7	16.77	16.71	16.88	16.87		
5	256QAM	12	13	17.08	17.06	17.19	17.01		
5	256QAM	25	0	16.68	16.91	17.00	16.98		

Reduced Power Mode for DSI 4

Band 38 Ant3 DSI4

BW [MHz]	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	18.75	18.85	18.79		
20	QPSK	1	49	18.59	18.65	18.76	19.8	0
20	QPSK	1	99	18.71	18.63	18.80		
20	QPSK	50	0	18.46	18.78	18.41		
20	QPSK	50	24	18.46	18.51	18.53	19.8	0
20	QPSK	50	50	18.45	18.48	18.49		
20	QPSK	100	0	18.51	18.75	18.51		
20	16QAM	1	0	18.70	18.79	18.66	19.8	0
20	16QAM	1	49	18.45	18.58	18.61		
20	16QAM	1	99	18.66	18.73	18.68		
20	16QAM	50	0	18.47	18.70	18.34	19.8	0
20	16QAM	50	24	18.42	18.53	18.56		
20	16QAM	50	50	18.43	18.44	18.52		
20	16QAM	100	0	18.55	18.61	18.57	19.8	0
20	64QAM	1	0	18.63	18.79	18.84		
20	64QAM	1	49	18.50	18.63	18.69		
20	64QAM	1	99	18.65	18.57	18.81	19.8	0
20	64QAM	50	0	18.45	18.72	18.39		
20	64QAM	50	24	18.52	18.48	18.39		
20	64QAM	50	50	18.43	18.42	18.47	19.8	0
20	64QAM	100	0	18.52	18.66	18.45		
20	256QAM	1	0	17.70	17.69	17.73	19	0.8
20	256QAM	1	49	17.56	17.68	17.71		
20	256QAM	1	99	17.48	17.46	17.50		
20	256QAM	50	0	17.54	17.58	17.52	19	0.8
20	256QAM	50	24	17.75	17.67	17.77		
20	256QAM	50	50	17.60	17.59	17.65		
20	256QAM	100	0	17.78	17.80	17.76	19.8	0
Channel				37825	38000	38175		
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.66	18.75	18.73	19.8	0
15	QPSK	1	37	18.57	18.56	18.63		
15	QPSK	1	74	18.68	18.57	18.70		
15	QPSK	36	0	18.34	18.66	18.34	19.8	0
15	QPSK	36	20	18.35	18.48	18.50		
15	QPSK	36	39	18.40	18.40	18.39		
15	QPSK	75	0	18.39	18.64	18.40	19.8	0
15	16QAM	1	0	18.65	18.67	18.60		
15	16QAM	1	37	18.33	18.50	18.49		
15	16QAM	1	74	18.60	18.65	18.65	19.8	0
15	16QAM	36	0	18.34	18.64	18.32		

15	16QAM	36	20	18.36	18.43	18.42		
15	16QAM	36	39	18.30	18.35	18.40		
15	16QAM	75	0	18.51	18.53	18.50		
15	64QAM	1	0	18.50	18.68	18.71	19.8	0
15	64QAM	1	37	18.38	18.61	18.62		
15	64QAM	1	74	18.63	18.53	18.79		
15	64QAM	36	0	18.33	18.68	18.32	19.8	0
15	64QAM	36	20	18.43	18.36	18.33		
15	64QAM	36	39	18.34	18.32	18.44		
15	64QAM	75	0	18.40	18.61	18.36	19	0.8
15	256QAM	1	0	17.54	17.56	17.66		
15	256QAM	1	37	17.49	17.52	17.65		
15	256QAM	1	74	17.36	17.38	17.40	19	0.8
15	256QAM	36	0	17.46	17.46	17.40		
15	256QAM	36	20	17.68	17.56	17.73		
15	256QAM	36	39	17.56	17.52	17.59		
15	256QAM	75	0	17.69	17.73	17.62		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.65	18.69	18.69	19.8	0
10	QPSK	1	25	18.45	18.62	18.62		
10	QPSK	1	49	18.63	18.52	18.71		
10	QPSK	25	0	18.42	18.71	18.33	19.8	0
10	QPSK	25	12	18.39	18.45	18.44		
10	QPSK	25	25	18.42	18.37	18.36		
10	QPSK	50	0	18.47	18.64	18.47		
10	16QAM	1	0	18.60	18.70	18.56	19.8	0
10	16QAM	1	25	18.31	18.55	18.47		
10	16QAM	1	49	18.56	18.69	18.62		
10	16QAM	25	0	18.40	18.66	18.31	19.8	0
10	16QAM	25	12	18.37	18.51	18.48		
10	16QAM	25	25	18.37	18.33	18.46		
10	16QAM	50	0	18.51	18.56	18.44		
10	64QAM	1	0	18.52	18.66	18.79	19.8	0
10	64QAM	1	25	18.37	18.54	18.59		
10	64QAM	1	49	18.57	18.47	18.69		
10	64QAM	25	0	18.42	18.63	18.26	19.8	0
10	64QAM	25	12	18.43	18.44	18.33		
10	64QAM	25	25	18.41	18.36	18.43		
10	64QAM	50	0	18.50	18.62	18.42		
10	256QAM	1	0	17.54	17.57	17.66	19	0.8
10	256QAM	1	25	17.43	17.64	17.66		
10	256QAM	1	49	17.40	17.32	17.36		
10	256QAM	25	0	17.41	17.53	17.40	19	0.8
10	256QAM	25	12	17.67	17.52	17.68		
10	256QAM	25	25	17.55	17.53	17.59		
10	256QAM	50	0	17.65	17.74	17.67		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		

5	QPSK	1	0	18.64	18.68	18.72	19.8	0
5	QPSK	1	12	18.55	18.51	18.74		
5	QPSK	1	24	18.64	18.50	18.68		
5	QPSK	12	0	18.41	18.66	18.37	19.8	0
5	QPSK	12	7	18.40	18.47	18.48		
5	QPSK	12	13	18.34	18.37	18.37		
5	QPSK	25	0	18.38	18.72	18.37		
5	16QAM	1	0	18.65	18.70	18.56	19.8	0
5	16QAM	1	12	18.34	18.52	18.59		
5	16QAM	1	24	18.61	18.66	18.58		
5	16QAM	12	0	18.44	18.57	18.25	19.8	0
5	16QAM	12	7	18.29	18.49	18.43		
5	16QAM	12	13	18.37	18.33	18.40		
5	16QAM	25	0	18.46	18.58	18.50		
5	64QAM	1	0	18.53	18.76	18.71	19.8	0
5	64QAM	1	12	18.36	18.53	18.62		
5	64QAM	1	24	18.59	18.47	18.74		
5	64QAM	12	0	18.37	18.66	18.28	19.8	0
5	64QAM	12	7	18.40	18.45	18.34		
5	64QAM	12	13	18.30	18.34	18.42		
5	64QAM	25	0	18.43	18.52	18.31		
5	256QAM	1	0	17.57	17.61	17.62	19	0.8
5	256QAM	1	12	17.41	17.62	17.64		
5	256QAM	1	24	17.43	17.34	17.46		
5	256QAM	12	0	17.42	17.49	17.40	19	0.8
5	256QAM	12	7	17.60	17.54	17.71		
5	256QAM	12	13	17.56	17.51	17.59		
5	256QAM	25	0	17.64	17.66	17.66		

Band 41 Ant3 DSI4											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490	19.8	0
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.77	18.64	18.78	18.91	18.89	18.85		
20	QPSK	1	49	18.73	18.81	18.70	18.70	18.79	18.81	19.8	0
20	QPSK	1	99	18.86	18.70	18.82	18.73	18.83	18.62		
20	QPSK	50	0	18.77	18.57	18.49	18.87	18.54	18.55		
20	QPSK	50	24	18.56	18.67	18.56	18.57	18.57	18.67		
20	QPSK	50	50	18.71	18.65	18.57	18.59	18.57	18.67	19.8	0
20	QPSK	100	0	18.60	18.83	18.63	18.85	18.61	18.71		
20	16QAM	1	0	18.79	18.57	18.75	18.82	18.74	18.81		
20	16QAM	1	49	18.72	18.62	18.56	18.71	18.68	18.66	19.8	0
20	16QAM	1	99	18.81	18.61	18.71	18.75	18.75	18.56		
20	16QAM	50	0	18.66	18.42	18.52	18.80	18.45	18.50		
20	16QAM	50	24	18.55	18.65	18.54	18.61	18.61	18.65	19.8	0
20	16QAM	50	50	18.60	18.54	18.54	18.47	18.55	18.64		



20	16QAM	100	0	18.49	18.71	18.61	18.73	18.61	18.67		
20	64QAM	1	0	18.75	18.69	18.66	18.90	18.88	18.68	19.8	0
20	64QAM	1	49	18.74	18.64	18.59	18.66	18.76	18.66		
20	64QAM	1	99	18.78	18.65	18.70	18.67	18.83	18.57		
20	64QAM	50	0	18.67	18.50	18.51	18.74	18.44	18.45	19.8	0
20	64QAM	50	24	18.53	18.58	18.54	18.55	18.49	18.59		
20	64QAM	50	50	18.59	18.66	18.57	18.52	18.57	18.71		
20	64QAM	100	0	18.56	18.74	18.65	18.69	18.54	18.70		
20	256QAM	1	0	17.74	17.81	17.81	17.78	17.86	17.79	19	0.8
20	256QAM	1	49	17.71	17.75	17.68	17.74	17.81	17.79		
20	256QAM	1	99	17.57	17.60	17.54	17.58	17.61	17.57		
20	256QAM	50	0	17.72	17.61	17.66	17.67	17.64	17.62	19	0.8
20	256QAM	50	24	17.78	17.86	17.87	17.81	17.86	17.80		
20	256QAM	50	50	17.60	17.60	17.73	17.66	17.73	17.64		
20	256QAM	100	0	17.87	17.83	17.93	17.89	17.83	17.85		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.66	18.61	18.71	18.81	18.76	18.71	19.80	0
15	QPSK	1	37	18.61	18.70	18.61	18.60	18.70	18.70		
15	QPSK	1	74	18.82	18.67	18.70	18.69	18.79	18.54		
15	QPSK	36	0	18.69	18.52	18.46	18.81	18.51	18.52	19.8	0
15	QPSK	36	20	18.53	18.58	18.46	18.45	18.54	18.57		
15	QPSK	36	39	18.62	18.56	18.55	18.51	18.49	18.58		
15	QPSK	75	0	18.50	18.80	18.58	18.81	18.55	18.69		
15	16QAM	1	0	18.67	18.43	18.65	18.79	18.60	18.79	19.8	0
15	16QAM	1	37	18.67	18.53	18.44	18.61	18.55	18.63		
15	16QAM	1	74	18.75	18.54	18.68	18.68	18.72	18.44		
15	16QAM	36	0	18.57	18.37	18.47	18.73	18.38	18.43	19.8	0
15	16QAM	36	20	18.49	18.54	18.41	18.53	18.49	18.63		
15	16QAM	36	39	18.46	18.44	18.47	18.34	18.42	18.56		
15	16QAM	75	0	18.46	18.63	18.55	18.60	18.54	18.55		
15	64QAM	1	0	18.69	18.67	18.62	18.79	18.74	18.60	19.8	0
15	64QAM	1	37	18.62	18.54	18.49	18.60	18.72	18.53		
15	64QAM	1	74	18.65	18.55	18.65	18.57	18.76	18.52		
15	64QAM	36	0	18.57	18.40	18.47	18.72	18.33	18.32	19.8	0
15	64QAM	36	20	18.42	18.55	18.42	18.52	18.43	18.56		
15	64QAM	36	39	18.47	18.56	18.54	18.48	18.53	18.68		
15	64QAM	75	0	18.49	18.60	18.56	18.66	18.42	18.61		
15	256QAM	1	0	17.63	17.75	17.74	17.73	17.81	17.65	19	0.8
15	256QAM	1	37	17.64	17.68	17.60	17.63	17.71	17.70		
15	256QAM	1	74	17.43	17.52	17.49	17.51	17.48	17.50		
15	256QAM	36	0	17.57	17.45	17.56	17.56	17.50	17.48	19	0.8
15	256QAM	36	20	17.73	17.82	17.75	17.69	17.74	17.74		
15	256QAM	36	39	17.48	17.54	17.68	17.57	17.65	17.58		
15	256QAM	75	0	17.82	17.74	17.80	17.83	17.76	17.69		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	18.68	18.57	18.68	18.84	18.78	18.76	19.80	0
10	QPSK	1	25	18.65	18.76	18.65	18.56	18.70	18.77		



10	QPSK	1	49	18.72	18.57	18.76	18.63	18.70	18.59		
10	QPSK	25	0	18.70	18.48	18.46	18.78	18.45	18.46	19.8	0
10	QPSK	25	12	18.43	18.64	18.53	18.45	18.46	18.54		
10	QPSK	25	25	18.63	18.54	18.45	18.45	18.50	18.59		
10	QPSK	50	0	18.55	18.79	18.60	18.79	18.55	18.58		
10	16QAM	1	0	18.74	18.52	18.67	18.90	18.61	18.73	19.8	0
10	16QAM	1	25	18.69	18.56	18.44	18.60	18.64	18.63		
10	16QAM	1	49	18.74	18.48	18.61	18.69	18.72	18.53		
10	16QAM	25	0	18.61	18.31	18.43	18.77	18.33	18.41	19.8	0
10	16QAM	25	12	18.47	18.60	18.50	18.55	18.57	18.53		
10	16QAM	25	25	18.56	18.42	18.49	18.37	18.48	18.52		
10	16QAM	50	0	18.43	18.64	18.56	18.67	18.56	18.56		
10	64QAM	1	0	18.64	18.59	18.57	18.82	18.74	18.54	19.8	0
10	64QAM	1	25	18.61	18.54	18.49	18.55	18.65	18.61		
10	64QAM	1	49	18.66	18.54	18.65	18.64	18.81	18.43		
10	64QAM	25	0	18.55	18.45	18.46	18.64	18.41	18.33	19.8	0
10	64QAM	25	12	18.43	18.45	18.42	18.53	18.37	18.47		
10	64QAM	25	25	18.52	18.60	18.55	18.50	18.51	18.58		
10	64QAM	50	0	18.43	18.65	18.53	18.60	18.48	18.64		
10	256QAM	1	0	17.63	17.69	17.67	17.66	17.72	17.69	19	0.8
10	256QAM	1	25	17.65	17.63	17.63	17.64	17.69	17.63		
10	256QAM	1	49	17.42	17.53	17.48	17.43	17.57	17.47		
10	256QAM	25	0	17.65	17.50	17.51	17.57	17.50	17.55	19	0.8
10	256QAM	25	12	17.69	17.76	17.82	17.68	17.71	17.73		
10	256QAM	25	25	17.48	17.50	17.65	17.53	17.63	17.55		
10	256QAM	50	0	17.73	17.71	17.85	17.83	17.78	17.73		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.67	18.52	18.75	18.75	18.84	18.76	19.80	0
5	QPSK	1	12	18.62	18.69	18.58	18.57	18.69	18.68		
5	QPSK	1	24	18.80	18.60	18.68	18.62	18.74	18.57		
5	QPSK	12	0	18.64	18.49	18.45	18.74	18.47	18.45	19.8	0
5	QPSK	12	7	18.42	18.55	18.48	18.50	18.46	18.57		
5	QPSK	12	13	18.65	18.53	18.50	18.56	18.49	18.53		
5	QPSK	25	0	18.47	18.81	18.60	18.82	18.55	18.67		
5	16QAM	1	0	18.70	18.49	18.66	18.86	18.63	18.75	19.8	0
5	16QAM	1	12	18.69	18.54	18.47	18.59	18.59	18.57		
5	16QAM	1	24	18.79	18.47	18.65	18.70	18.67	18.45		
5	16QAM	12	0	18.56	18.29	18.43	18.71	18.35	18.47	19.8	0
5	16QAM	12	7	18.47	18.62	18.41	18.52	18.57	18.62		
5	16QAM	12	13	18.57	18.44	18.46	18.39	18.45	18.55		
5	16QAM	25	0	18.37	18.63	18.51	18.67	18.48	18.63		
5	64QAM	1	0	18.63	18.65	18.63	18.85	18.84	18.55	19.8	0
5	64QAM	1	12	18.61	18.62	18.46	18.55	18.71	18.57		
5	64QAM	1	24	18.70	18.62	18.66	18.57	18.74	18.46		
5	64QAM	12	0	18.64	18.37	18.37	18.66	18.40	18.40	19.8	0
5	64QAM	12	7	18.44	18.56	18.51	18.42	18.40	18.55		
5	64QAM	12	13	18.57	18.56	18.44	18.45	18.49	18.57		
5	64QAM	25	0	18.47	18.69	18.51	18.55	18.50	18.61		



5	256QAM	1	0	17.66	17.75	17.66	17.69	17.76	17.71	19	0.8
5	256QAM	1	12	17.58	17.60	17.57	17.59	17.65	17.71		
5	256QAM	1	24	17.44	17.47	17.43	17.48	17.54	17.48		
5	256QAM	12	0	17.63	17.47	17.50	17.55	17.55	17.57	19	0.8
5	256QAM	12	7	17.65	17.74	17.78	17.75	17.71	17.75		
5	256QAM	12	13	17.55	17.54	17.67	17.56	17.68	17.53		
5	256QAM	25	0	17.76	17.74	17.80	17.75	17.75	17.76		

Band 41 HPUE Ant3 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490		
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.53	20.37	20.47	20.61	20.57	20.49	21.4	0
20	QPSK	1	49	20.46	20.45	20.40	20.46	20.53	20.49		
20	QPSK	1	99	20.56	20.41	20.48	20.46	20.56	20.36		
20	QPSK	50	0	20.44	20.26	20.25	20.51	20.25	20.19	21.4	0
20	QPSK	50	24	20.29	20.33	20.30	20.30	20.31	20.40		
20	QPSK	50	50	20.39	20.35	20.31	20.29	20.31	20.41		
20	QPSK	100	0	20.31	20.47	20.36	20.48	20.36	20.40		
20	16QAM	1	0	20.49	20.30	20.39	20.57	20.50	20.47	21.4	0
20	16QAM	1	49	20.37	20.37	20.31	20.40	20.44	20.42		
20	16QAM	1	99	20.49	20.37	20.42	20.42	20.47	20.31		
20	16QAM	50	0	20.37	20.16	20.21	20.47	20.18	20.16	21.4	0
20	16QAM	50	24	20.20	20.30	20.25	20.26	20.26	20.33		
20	16QAM	50	50	20.29	20.28	20.22	20.23	20.26	20.35		
20	16QAM	100	0	20.22	20.38	20.26	20.40	20.27	20.36		
20	64QAM	1	0	20.46	20.35	20.39	20.55	20.55	20.44	21.4	0
20	64QAM	1	49	20.41	20.39	20.34	20.41	20.46	20.40		
20	64QAM	1	99	20.52	20.34	20.44	20.40	20.52	20.27		
20	64QAM	50	0	20.35	20.21	20.19	20.42	20.20	20.10	21.4	0
20	64QAM	50	24	20.25	20.29	20.27	20.28	20.24	20.30		
20	64QAM	50	50	20.30	20.30	20.26	20.23	20.27	20.38		
20	64QAM	100	0	20.28	20.44	20.30	20.41	20.26	20.38		
20	256QAM	1	0	20.50	20.29	20.38	20.54	20.55	20.41	21.4	0
20	256QAM	1	49	20.38	20.37	20.36	20.39	20.50	20.47		
20	256QAM	1	99	20.48	20.31	20.44	20.38	20.53	20.31		
20	256QAM	50	0	20.39	20.21	20.19	20.45	20.21	20.12	21.4	0
20	256QAM	50	24	20.21	20.25	20.23	20.27	20.26	20.37		
20	256QAM	50	50	20.34	20.26	20.26	20.22	20.29	20.31		
20	256QAM	100	0	20.23	20.44	20.26	20.40	20.28	20.33		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.44	20.31	20.45	20.53	20.51	20.40		
15	QPSK	1	37	20.42	20.40	20.30	20.38	20.49	20.46	21.40	0
15	QPSK	1	74	20.52	20.34	20.42	20.38	20.52	20.26		
15	QPSK	36	0	20.40	20.17	20.21	20.46	20.21	20.12	21.4	0



15	QPSK	36	20	20.23	20.23	20.28	20.26	20.24	20.37		
15	QPSK	36	39	20.34	20.26	20.27	20.26	20.23	20.36		
15	QPSK	75	0	20.23	20.38	20.32	20.46	20.33	20.31		
15	16QAM	1	0	20.41	20.26	20.32	20.48	20.41	20.39	21.4	0
15	16QAM	1	37	20.31	20.32	20.24	20.34	20.38	20.39		
15	16QAM	1	74	20.42	20.33	20.37	20.32	20.43	20.22		
15	16QAM	36	0	20.31	20.10	20.19	20.38	20.14	20.07	21.4	0
15	16QAM	36	20	20.11	20.22	20.17	20.19	20.23	20.28		
15	16QAM	36	39	20.22	20.20	20.15	20.16	20.17	20.33		
15	16QAM	75	0	20.19	20.35	20.19	20.35	20.23	20.31	21.4	0
15	64QAM	1	0	20.36	20.27	20.31	20.50	20.51	20.35		
15	64QAM	1	37	20.38	20.31	20.32	20.33	20.37	20.30		
15	64QAM	1	74	20.46	20.30	20.42	20.33	20.44	20.19	21.4	0
15	64QAM	36	0	20.27	20.12	20.13	20.37	20.16	20.07		
15	64QAM	36	20	20.15	20.20	20.20	20.25	20.15	20.25		
15	64QAM	36	39	20.28	20.27	20.23	20.14	20.20	20.31	21.4	0
15	64QAM	75	0	20.26	20.42	20.20	20.36	20.20	20.32		
15	256QAM	1	0	20.42	20.22	20.33	20.50	20.46	20.38		
15	256QAM	1	37	20.35	20.28	20.31	20.31	20.41	20.41	21.4	0
15	256QAM	1	74	20.42	20.24	20.37	20.36	20.45	20.28		
15	256QAM	36	0	20.30	20.17	20.11	20.42	20.11	20.04		
15	256QAM	36	20	20.17	20.18	20.16	20.22	20.24	20.34	21.4	0
15	256QAM	36	39	20.29	20.22	20.24	20.18	20.21	20.22		
15	256QAM	75	0	20.15	20.40	20.16	20.38	20.21	20.26		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	20.45	20.33	20.40	20.53	20.50	20.46	21.40	0
10	QPSK	1	25	20.43	20.40	20.36	20.40	20.45	20.45		
10	QPSK	1	49	20.51	20.33	20.40	20.43	20.50	20.27		
10	QPSK	25	0	20.36	20.22	20.17	20.42	20.16	20.16	21.4	0
10	QPSK	25	12	20.22	20.24	20.26	20.28	20.27	20.33		
10	QPSK	25	25	20.36	20.27	20.23	20.25	20.28	20.38		
10	QPSK	50	0	20.27	20.38	20.27	20.41	20.32	20.38	21.4	0
10	16QAM	1	0	20.43	20.23	20.34	20.53	20.41	20.37		
10	16QAM	1	25	20.33	20.33	20.27	20.31	20.38	20.38		
10	16QAM	1	49	20.40	20.28	20.33	20.37	20.42	20.28	21.4	0
10	16QAM	25	0	20.30	20.10	20.13	20.42	20.12	20.06		
10	16QAM	25	12	20.10	20.27	20.17	20.24	20.18	20.29		
10	16QAM	25	25	20.22	20.23	20.14	20.13	20.21	20.31	21.4	0
10	16QAM	50	0	20.13	20.29	20.22	20.34	20.22	20.32		
10	64QAM	1	0	20.38	20.30	20.35	20.51	20.45	20.35		
10	64QAM	1	25	20.33	20.34	20.27	20.38	20.43	20.33	21.4	0
10	64QAM	1	49	20.43	20.24	20.41	20.33	20.47	20.19		
10	64QAM	25	0	20.30	20.17	20.16	20.33	20.15	20.05		
10	64QAM	25	12	20.15	20.21	20.18	20.26	20.20	20.26	21.4	0
10	64QAM	25	25	20.25	20.28	20.20	20.14	20.17	20.32		
10	256QAM	1	0	20.46	20.22	20.34	20.51	20.51	20.33		
10	256QAM	1	25	20.32	20.30	20.27	20.31	20.47	20.41	21.4	0



10	256QAM	1	49	20.42	20.27	20.41	20.35	20.50	20.24		
10	256QAM	25	0	20.34	20.12	20.14	20.37	20.15	20.09	21.4	0
10	256QAM	25	12	20.15	20.16	20.14	20.25	20.18	20.32		
10	256QAM	25	25	20.28	20.19	20.21	20.18	20.19	20.22		
10	256QAM	50	0	20.21	20.36	20.20	20.35	20.22	20.31		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.49	20.29	20.44	20.56	20.51	20.42	21.40	0
5	QPSK	1	12	20.44	20.40	20.34	20.41	20.47	20.39		
5	QPSK	1	24	20.51	20.33	20.41	20.44	20.50	20.33		
5	QPSK	12	0	20.40	20.24	20.19	20.44	20.17	20.13	21.4	0
5	QPSK	12	7	20.25	20.25	20.23	20.25	20.23	20.34		
5	QPSK	12	13	20.35	20.26	20.28	20.27	20.22	20.36		
5	QPSK	25	0	20.23	20.42	20.30	20.40	20.34	20.38		
5	16QAM	1	0	20.42	20.23	20.34	20.53	20.46	20.43	21.4	0
5	16QAM	1	12	20.32	20.28	20.26	20.31	20.37	20.38		
5	16QAM	1	24	20.44	20.35	20.35	20.34	20.44	20.25		
5	16QAM	12	0	20.28	20.07	20.14	20.39	20.16	20.11	21.4	0
5	16QAM	12	7	20.16	20.25	20.16	20.18	20.17	20.28		
5	16QAM	12	13	20.24	20.23	20.14	20.19	20.22	20.28		
5	16QAM	25	0	20.19	20.34	20.22	20.35	20.20	20.27		
5	64QAM	1	0	20.41	20.28	20.31	20.46	20.50	20.40	21.4	0
5	64QAM	1	12	20.34	20.37	20.28	20.34	20.36	20.34		
5	64QAM	1	24	20.44	20.30	20.37	20.35	20.43	20.23		
5	64QAM	12	0	20.32	20.12	20.15	20.36	20.15	20.04	21.4	0
5	64QAM	12	7	20.19	20.22	20.20	20.19	20.19	20.20		
5	64QAM	12	13	20.26	20.25	20.22	20.17	20.24	20.34		
5	64QAM	25	0	20.20	20.34	20.22	20.34	20.17	20.33		
5	256QAM	1	0	20.48	20.22	20.32	20.49	20.52	20.37	21.4	0
5	256QAM	1	12	20.29	20.30	20.32	20.36	20.47	20.38		
5	256QAM	1	24	20.42	20.28	20.39	20.34	20.44	20.21		
5	256QAM	12	0	20.33	20.19	20.16	20.35	20.13	20.03	21.4	0
5	256QAM	12	7	20.13	20.22	20.15	20.23	20.18	20.32		
5	256QAM	12	13	20.31	20.21	20.19	20.13	20.23	20.27		
5	256QAM	25	0	20.19	20.40	20.20	20.32	20.21	20.23		

Band 48 Ant4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.38	21.41	21.39	21.30	22.5	0
20	QPSK	1	49	21.28	21.31	21.31	21.31		
20	QPSK	1	99	21.34	21.28	21.29	21.20		
20	QPSK	50	0	20.97	21.13	20.86	20.99	22	0.5
20	QPSK	50	24	21.00	20.96	21.00	20.97		
20	QPSK	50	50	20.95	20.96	21.02	20.92		
20	QPSK	100	0	20.90	21.07	21.02	20.93		
20	16QAM	1	0	20.80	20.73	20.69	20.78	22	0.5
20	16QAM	1	49	20.77	20.75	20.70	20.68		
20	16QAM	1	99	20.70	20.73	20.70	20.65		
20	16QAM	50	0	19.82	19.80	19.83	19.85	21	1.5
20	16QAM	50	24	19.92	19.97	19.93	19.97		
20	16QAM	50	50	20.01	19.99	19.96	19.94		
20	16QAM	100	0	19.88	19.94	19.97	19.96		
20	64QAM	1	0	19.74	19.69	19.71	19.77	21	1.5
20	64QAM	1	49	19.65	19.66	19.67	19.64		
20	64QAM	1	99	19.71	19.64	19.66	19.64		
20	64QAM	50	0	19.02	18.95	19.02	18.99	20	2.5
20	64QAM	50	24	18.78	18.74	18.72	18.80		
20	64QAM	50	50	19.02	18.95	18.96	18.90		
20	64QAM	100	0	18.88	18.82	18.86	18.83		
20	256QAM	1	0	16.72	16.79	16.75	16.76	18	4.5
20	256QAM	1	49	16.79	16.72	16.69	16.65		
20	256QAM	1	99	16.70	16.72	16.70	16.71		
20	256QAM	50	0	17.02	17.02	17.09	17.06	18	4.5
20	256QAM	50	24	16.97	17.02	17.05	16.94		
20	256QAM	50	50	16.79	16.80	16.81	16.73		
20	256QAM	100	0	16.97	16.92	16.98	16.91		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.26	21.37	21.29	21.21	22.5	0
15	QPSK	1	37	21.21	21.29	21.24	21.18		
15	QPSK	1	74	21.25	21.22	21.23	21.13		
15	QPSK	36	0	20.80	20.75	20.80	20.84	22	0.5
15	QPSK	36	20	20.91	20.88	20.84	20.94		
15	QPSK	36	39	20.87	20.90	20.99	20.82		
15	QPSK	75	0	20.81	20.89	20.89	20.81		
15	16QAM	1	0	20.72	20.66	20.60	20.64	22	0.5
15	16QAM	1	37	20.63	20.66	20.58	20.60		
15	16QAM	1	74	20.61	20.60	20.64	20.65		
15	16QAM	36	0	19.65	19.73	19.67	19.81	21	1.5



15	16QAM	36	20	19.78	19.95	19.83	19.82		
15	16QAM	36	39	19.91	19.92	19.80	19.90		
15	16QAM	75	0	19.76	19.91	19.81	19.85		
15	64QAM	1	0	19.59	19.52	19.58	19.61	21	1.5
15	64QAM	1	37	19.67	19.66	19.54	19.56		
15	64QAM	1	74	19.56	19.52	19.54	19.51		
15	64QAM	36	0	18.98	18.81	18.98	18.90	20	2.5
15	64QAM	36	20	18.69	18.58	18.57	18.63		
15	64QAM	36	39	18.84	18.91	18.89	18.86		
15	64QAM	75	0	18.76	18.74	18.78	18.71	18	4.5
15	256QAM	1	0	16.56	16.61	16.66	16.71		
15	256QAM	1	37	16.70	16.63	16.53	16.55		
15	256QAM	1	74	16.67	16.69	16.58	16.59	18	4.5
15	256QAM	36	0	16.86	16.94	16.98	16.91		
15	256QAM	36	20	16.82	16.84	16.99	16.86		
15	256QAM	36	39	16.63	16.75	16.79	16.57	15	0
15	256QAM	75	0	16.81	16.85	16.84	16.78		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.25	21.32	21.35	21.25	22.5	0
10	QPSK	1	25	21.15	21.23	21.20	21.28		
10	QPSK	1	49	21.28	21.24	21.22	21.12		
10	QPSK	25	0	20.81	20.84	20.84	20.97	22	0.5
10	QPSK	25	12	20.90	20.83	20.87	20.90		
10	QPSK	25	25	20.79	20.85	20.96	20.76		
10	QPSK	50	0	20.74	20.94	20.95	20.80	22	0.5
10	16QAM	1	0	20.71	20.56	20.53	20.66		
10	16QAM	1	25	20.70	20.58	20.63	20.62		
10	16QAM	1	49	20.65	20.64	20.63	20.61	21	1.5
10	16QAM	25	0	19.73	19.73	19.73	19.81		
10	16QAM	25	12	19.89	19.81	19.82	19.89		
10	16QAM	25	25	19.89	19.94	19.80	19.91	21	1.5
10	16QAM	50	0	19.72	19.91	19.89	19.84		
10	64QAM	1	0	19.67	19.53	19.67	19.60		
10	64QAM	1	25	19.59	19.56	19.51	19.62	20	2.5
10	64QAM	1	49	19.67	19.53	19.55	19.65		
10	64QAM	25	0	18.99	18.86	18.88	18.93		
10	64QAM	25	12	18.69	18.66	18.63	18.73	18	4.5
10	64QAM	25	25	18.88	18.80	18.89	18.83		
10	64QAM	50	0	18.84	18.68	18.71	18.75		
10	256QAM	1	0	16.66	16.61	16.64	16.66	18	4.5
10	256QAM	1	25	16.77	16.67	16.58	16.50		
10	256QAM	1	49	16.52	16.57	16.58	16.54		
10	256QAM	25	0	16.91	16.88	17.02	17.03	18	4.5
10	256QAM	25	12	16.95	16.92	16.90	16.89		
10	256QAM	25	25	16.70	16.76	16.66	16.62		
10	256QAM	50	0	16.91	16.83	16.95	16.87	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		



5	QPSK	1	0	21.35	21.39	21.29	21.19	22.5	0
5	QPSK	1	12	21.17	21.18	21.21	21.25		
5	QPSK	1	24	21.22	21.19	21.18	21.15		
5	QPSK	12	0	20.86	20.82	20.78	20.94	22	0.5
5	QPSK	12	7	20.89	20.88	20.98	20.90		
5	QPSK	12	13	20.77	20.81	20.84	20.81		
5	QPSK	25	0	20.84	20.81	20.89	20.90		
5	16QAM	1	0	20.72	20.70	20.54	20.75	22	0.5
5	16QAM	1	12	20.60	20.63	20.56	20.52		
5	16QAM	1	24	20.53	20.64	20.67	20.55		
5	16QAM	12	0	19.69	19.64	19.67	19.72	21	1.5
5	16QAM	12	7	19.86	19.85	19.83	19.82		
5	16QAM	12	13	19.97	19.83	19.91	19.79		
5	16QAM	25	0	19.76	19.79	19.91	19.93		
5	64QAM	1	0	19.59	19.64	19.65	19.64	21	1.5
5	64QAM	1	12	19.50	19.53	19.59	19.52		
5	64QAM	1	24	19.56	19.51	19.56	19.76		
5	64QAM	12	0	18.93	18.87	18.90	18.85	20	2.5
5	64QAM	12	7	18.65	18.71	18.63	18.75		
5	64QAM	12	13	18.89	18.81	18.83	18.80		
5	64QAM	25	0	18.77	18.75	18.71	18.75		
5	256QAM	1	0	16.67	16.65	16.73	16.58	18	4.5
5	256QAM	1	12	16.75	16.61	16.58	16.57		
5	256QAM	1	24	16.63	16.56	16.65	16.55		
5	256QAM	12	0	16.96	16.99	17.00	17.02	18	4.5
5	256QAM	12	7	16.94	16.89	16.97	16.89		
5	256QAM	12	13	16.69	16.66	16.78	16.63		
5	256QAM	25	0	16.83	16.76	16.81	16.76		

Reduced Power Mode for DSI 5

Band 38 Ant3 DSI5

BW [MHz]	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	19.97	20.17	20.15		
20	QPSK	1	49	20.06	20.13	20.08	20.8	0
20	QPSK	1	99	20.04	20.16	20.14		
20	QPSK	50	0	19.95	20.14	20.07		
20	QPSK	50	24	20.01	20.06	20.05	20.8	0
20	QPSK	50	50	20.04	20.10	20.07		
20	QPSK	100	0	19.93	20.11	19.98		
20	16QAM	1	0	19.96	20.09	20.06	20.8	0
20	16QAM	1	49	20.01	20.09	20.09		
20	16QAM	1	99	19.95	20.13	20.00		
20	16QAM	50	0	19.99	20.17	20.01	20.8	0
20	16QAM	50	24	19.96	20.08	20.03		
20	16QAM	50	50	19.92	20.17	20.05		
20	16QAM	100	0	19.94	20.14	20.08	20.8	0
20	64QAM	1	0	19.90	20.13	20.09		
20	64QAM	1	49	19.98	20.13	20.01		
20	64QAM	1	99	19.90	20.11	20.06	20.8	0
20	64QAM	50	0	19.71	19.71	19.76		
20	64QAM	50	24	19.68	19.77	19.72		
20	64QAM	50	50	19.64	19.69	19.78	20.8	0
20	64QAM	100	0	19.86	19.79	19.70		
20	256QAM	1	0	17.81	17.90	17.82	19	1.8
20	256QAM	1	49	17.63	17.71	17.78		
20	256QAM	1	99	17.94	17.85	17.80		
20	256QAM	50	0	17.67	17.70	17.76	19	1.8
20	256QAM	50	24	17.81	17.77	17.73		
20	256QAM	50	50	17.81	17.73	17.68		
20	256QAM	100	0	17.84	17.84	17.83	19	1.8
20	256QAM	1	0	17.81	17.90	17.82		
20	256QAM	1	49	17.63	17.71	17.78		
20	256QAM	1	99	17.94	17.85	17.80	19	1.8
20	256QAM	50	0	17.67	17.70	17.76		
20	256QAM	50	24	17.81	17.77	17.73		
20	256QAM	50	50	17.81	17.73	17.68	19	1.8
20	256QAM	100	0	17.84	17.84	17.83		
20	256QAM	1	0	17.81	17.90	17.82		
20	256QAM	1	49	17.63	17.71	17.78	19	1.8
20	256QAM	1	99	17.94	17.85	17.80		
20	256QAM	50	0	17.67	17.70	17.76		
20	256QAM	50	24	17.81	17.77	17.73	19	1.8
20	256QAM	50	50	17.81	17.73	17.68		
20	256QAM	100	0	17.84	17.84	17.83		
Channel				37825	38000	38175		
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.93	20.09	20.08		
15	QPSK	1	37	19.99	20.08	20.03	20.8	0
15	QPSK	1	74	19.97	20.07	20.09		
15	QPSK	36	0	19.89	20.05	19.99	20.8	0
15	QPSK	36	20	19.91	20.02	19.96		
15	QPSK	36	39	19.96	20.06	19.98		
15	QPSK	75	0	19.85	20.02	19.95	20.8	0
15	16QAM	1	0	19.91	20.00	20.03		
15	16QAM	1	37	19.98	20.02	20.02		
15	16QAM	1	74	19.90	20.05	19.95	20.8	0
15	16QAM	36	0	19.96	20.10	19.91		

15	16QAM	36	20	19.90	20.04	19.95		
15	16QAM	36	39	19.90	20.12	19.97		
15	16QAM	75	0	19.89	20.10	20.02		
15	64QAM	1	0	19.86	20.05	20.02	20.8	0
15	64QAM	1	37	19.89	20.10	19.95		
15	64QAM	1	74	19.83	20.08	20.02		
15	64QAM	36	0	19.61	19.53	19.66	20.8	0
15	64QAM	36	20	19.56	19.71	19.64		
15	64QAM	36	39	19.49	19.51	19.60		
15	64QAM	75	0	19.79	19.72	19.64	19	1.8
15	256QAM	1	0	17.79	17.82	17.79		
15	256QAM	1	37	17.48	17.55	17.73		
15	256QAM	1	74	17.79	17.82	17.63	19	1.8
15	256QAM	36	0	17.60	17.66	17.59		
15	256QAM	36	20	17.63	17.71	17.66		
15	256QAM	36	39	17.73	17.60	17.52	19	1.8
15	256QAM	75	0	17.81	17.68	17.73		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.90	20.09	20.10	20.8	0
10	QPSK	1	25	19.98	20.03	20.05		
10	QPSK	1	49	20.00	20.08	20.08		
10	QPSK	25	0	19.88	20.07	20.03	20.8	0
10	QPSK	25	12	19.97	19.99	19.98		
10	QPSK	25	25	20.01	20.07	20.05		
10	QPSK	50	0	19.89	20.02	19.94	20.8	0
10	16QAM	1	0	19.88	20.02	20.02		
10	16QAM	1	25	19.96	20.07	20.00		
10	16QAM	1	49	19.89	20.05	19.95	20.8	0
10	16QAM	25	0	19.96	20.13	19.95		
10	16QAM	25	12	19.93	20.03	19.97		
10	16QAM	25	25	19.83	20.10	19.99	20.8	0
10	16QAM	50	0	19.91	20.09	20.02		
10	64QAM	1	0	19.81	20.04	20.04		
10	64QAM	1	25	19.94	20.04	19.99	20.8	0
10	64QAM	1	49	19.83	20.05	19.97		
10	64QAM	25	0	19.57	19.56	19.73		
10	64QAM	25	12	19.60	19.70	19.58	20.8	0
10	64QAM	25	25	19.50	19.57	19.63		
10	64QAM	50	0	19.72	19.75	19.65		
10	256QAM	1	0	17.67	17.77	17.70	19	1.8
10	256QAM	1	25	17.50	17.55	17.62		
10	256QAM	1	49	17.83	17.75	17.70		
10	256QAM	25	0	17.59	17.65	17.69	19	1.8
10	256QAM	25	12	17.73	17.67	17.63		
10	256QAM	25	25	17.75	17.65	17.57		
10	256QAM	50	0	17.66	17.80	17.66	Tune-up limit (dBm)	MPR (dB)
Channel				37775	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5		

5	QPSK	1	0	19.88	20.11	20.10	20.8	0
5	QPSK	1	12	19.98	20.10	20.01		
5	QPSK	1	24	19.96	20.14	20.05		
5	QPSK	12	0	19.88	20.10	20.00	20.8	0
5	QPSK	12	7	19.97	20.02	19.98		
5	QPSK	12	13	20.00	20.03	19.98		
5	QPSK	25	0	19.85	20.05	19.92		
5	16QAM	1	0	19.91	20.06	19.96	20.8	0
5	16QAM	1	12	19.97	19.99	20.00		
5	16QAM	1	24	19.91	20.04	19.94		
5	16QAM	12	0	19.93	20.11	19.92	20.8	0
5	16QAM	12	7	19.92	20.00	19.96		
5	16QAM	12	13	19.90	20.10	20.01		
5	16QAM	25	0	19.91	20.10	20.04		
5	64QAM	1	0	19.83	20.03	20.01	20.8	0
5	64QAM	1	12	19.91	20.11	19.91		
5	64QAM	1	24	19.87	20.05	20.01		
5	64QAM	12	0	19.62	19.58	19.71	20.8	0
5	64QAM	12	7	19.55	19.63	19.64		
5	64QAM	12	13	19.51	19.53	19.69		
5	64QAM	25	0	19.69	19.74	19.58		
5	256QAM	1	0	17.70	17.76	17.76	19	1.8
5	256QAM	1	12	17.50	17.54	17.74		
5	256QAM	1	24	17.85	17.82	17.70		
5	256QAM	12	0	17.55	17.54	17.65	19	1.8
5	256QAM	12	7	17.69	17.67	17.61		
5	256QAM	12	13	17.79	17.62	17.58		
5	256QAM	25	0	17.77	17.68	17.73		

Band 41 Ant3 DSI5											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490	20.8	0
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.11	20.04	20.07	20.25	20.17	20.16		
20	QPSK	1	49	20.17	20.13	20.09	20.21	20.15	20.08	20.8	0
20	QPSK	1	99	20.19	20.13	20.11	20.19	20.23	20.18		
20	QPSK	50	0	20.06	19.98	20.02	20.17	20.09	20.13		
20	QPSK	50	24	20.14	20.05	20.04	20.14	20.10	20.00		
20	QPSK	50	50	20.16	20.10	20.07	20.14	20.15	20.09	20.8	0
20	QPSK	100	0	20.02	19.97	19.99	20.15	20.07	20.06		
20	16QAM	1	0	20.10	20.07	20.00	20.12	20.12	20.04		
20	16QAM	1	49	20.13	20.08	20.05	20.17	20.16	20.11	20.8	0
20	16QAM	1	99	20.04	20.02	20.04	20.20	20.09	20.14		
20	16QAM	50	0	20.08	19.96	20.02	20.21	20.10	20.06		
20	16QAM	50	24	20.07	20.02	20.03	20.16	20.08	20.13		
20	16QAM	50	50	20.06	20.02	20.01	20.20	20.12	20.13	20.8	0



20	16QAM	100	0	20.03	19.95	19.98	20.17	20.10	20.10		
20	64QAM	1	0	20.09	19.99	19.99	20.17	20.14	20.06	20.8	0
20	64QAM	1	49	20.07	20.00	20.03	20.17	20.08	20.08		
20	64QAM	1	99	20.04	19.94	19.98	20.17	20.08	20.10		
20	64QAM	50	0	19.76	19.71	19.69	19.68	19.76	19.69	20.8	0
20	64QAM	50	24	19.51	19.55	19.56	19.57	19.63	19.60		
20	64QAM	50	50	19.60	19.70	19.71	19.65	19.60	19.58		
20	64QAM	100	0	19.66	19.75	19.62	19.68	19.68	19.74		
20	256QAM	1	0	17.74	17.81	17.81	17.78	17.86	17.79	19	1.8
20	256QAM	1	49	17.71	17.75	17.68	17.74	17.81	17.79		
20	256QAM	1	99	17.57	17.60	17.54	17.58	17.61	17.57		
20	256QAM	50	0	17.72	17.61	17.66	17.67	17.64	17.62	19	1.8
20	256QAM	50	24	17.78	17.86	17.87	17.81	17.86	17.80		
20	256QAM	50	50	17.60	17.60	17.73	17.66	17.73	17.64		
20	256QAM	100	0	17.87	17.83	17.93	17.89	17.83	17.85		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.03	20.02	20.00	20.17	20.10	20.12	21	0
15	QPSK	1	37	20.08	20.08	20.05	20.16	20.09	20.03		
15	QPSK	1	74	20.10	20.10	20.02	20.12	20.14	20.13		
15	QPSK	36	0	19.98	19.93	19.96	20.13	20.05	20.06	20.8	0
15	QPSK	36	20	20.05	20.00	19.96	20.11	20.07	19.96		
15	QPSK	36	39	20.14	20.02	20.04	20.12	20.13	20.06		
15	QPSK	75	0	19.93	19.90	19.93	20.12	20.00	20.00		
15	16QAM	1	0	20.01	20.04	19.94	20.04	20.08	20.00	20.8	0
15	16QAM	1	37	20.04	19.98	20.00	20.08	20.13	20.08		
15	16QAM	1	74	19.96	19.99	19.98	20.12	20.05	20.11		
15	16QAM	36	0	20.04	19.89	19.98	20.18	20.01	19.98	20.8	0
15	16QAM	36	20	20.01	19.98	20.00	20.09	20.03	20.09		
15	16QAM	36	39	19.96	19.99	19.95	20.18	20.10	20.10		
15	16QAM	75	0	20.01	19.90	19.90	20.11	20.04	20.04		
15	64QAM	1	0	20.02	19.95	19.92	20.09	20.06	20.03	20.8	0
15	64QAM	1	37	19.97	19.93	20.01	20.07	19.99	20.04		
15	64QAM	1	74	19.97	19.85	19.89	20.13	20.02	20.07		
15	64QAM	36	0	19.67	19.59	19.58	19.63	19.68	19.59	20.8	0
15	64QAM	36	20	19.35	19.46	19.53	19.47	19.50	19.55		
15	64QAM	36	39	19.47	19.64	19.55	19.47	19.54	19.42		
15	64QAM	75	0	19.62	19.63	19.53	19.60	19.57	19.67		
15	256QAM	1	0	17.68	17.66	17.74	17.74	17.82	17.68	19	1.8
15	256QAM	1	37	17.61	17.67	17.62	17.70	17.66	17.76		
15	256QAM	1	74	17.43	17.49	17.50	17.49	17.57	17.54		
15	256QAM	36	0	17.58	17.48	17.64	17.61	17.57	17.49	19	1.8
15	256QAM	36	20	17.71	17.81	17.73	17.70	17.83	17.75		
15	256QAM	36	39	17.55	17.45	17.66	17.63	17.57	17.56		
15	256QAM	75	0	17.76	17.74	17.84	17.85	17.74	17.74		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	20.02	19.97	20.03	20.20	20.09	20.09	21	0
10	QPSK	1	25	20.12	20.09	20.01	20.17	20.12	20.06		

10	QPSK	1	49	20.16	20.09	20.05	20.10	20.14	20.11		
10	QPSK	25	0	20.03	19.93	19.93	20.15	20.07	20.07	20.8	0
10	QPSK	25	12	20.11	19.98	19.95	20.12	20.08	19.91		
10	QPSK	25	25	20.13	20.00	20.04	20.05	20.10	20.06		
10	QPSK	50	0	19.98	19.88	19.97	20.08	19.99	20.02		
10	16QAM	1	0	20.04	20.00	19.94	20.06	20.10	20.00	20.8	0
10	16QAM	1	25	20.08	20.04	19.98	20.08	20.12	20.06		
10	16QAM	1	49	19.98	19.98	19.98	20.16	20.05	20.06		
10	16QAM	25	0	20.02	19.89	19.97	20.17	20.05	19.97	20.8	0
10	16QAM	25	12	19.99	19.94	19.98	20.13	20.03	20.10		
10	16QAM	25	25	20.00	19.93	19.92	20.14	20.08	20.07		
10	16QAM	50	0	19.98	19.89	19.90	20.11	20.00	20.03		
10	64QAM	1	0	20.06	19.93	19.91	20.10	20.05	19.99	20.8	0
10	64QAM	1	25	20.01	19.97	20.01	20.12	19.98	20.00		
10	64QAM	1	49	19.99	19.89	19.92	20.10	20.00	20.06		
10	64QAM	25	0	19.62	19.58	19.53	19.51	19.63	19.61	20.8	0
10	64QAM	25	12	19.34	19.53	19.52	19.43	19.59	19.52		
10	64QAM	25	25	19.44	19.53	19.61	19.49	19.56	19.46		
10	64QAM	50	0	19.62	19.64	19.49	19.53	19.54	19.68		
10	256QAM	1	0	17.62	17.74	17.69	17.63	17.80	17.72	19	1.8
10	256QAM	1	25	17.54	17.68	17.59	17.70	17.75	17.65		
10	256QAM	1	49	17.51	17.57	17.49	17.44	17.45	17.46		
10	256QAM	25	0	17.63	17.58	17.53	17.58	17.59	17.50	19	1.8
10	256QAM	25	12	17.73	17.81	17.74	17.75	17.81	17.76		
10	256QAM	25	25	17.54	17.53	17.57	17.58	17.70	17.47		
10	256QAM	50	0	17.74	17.78	17.85	17.85	17.67	17.71		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.04	20.00	20.00	20.15	20.10	20.08	21	0
5	QPSK	1	12	20.15	20.09	20.00	20.13	20.08	20.04		
5	QPSK	1	24	20.14	20.05	20.06	20.11	20.16	20.14		
5	QPSK	12	0	19.97	19.91	19.95	20.14	20.06	20.06	20.8	0
5	QPSK	12	7	20.09	19.99	19.94	20.11	20.04	19.95		
5	QPSK	12	13	20.08	20.03	19.99	20.09	20.11	20.06		
5	QPSK	25	0	19.98	19.89	19.93	20.06	19.97	19.99		
5	16QAM	1	0	20.00	20.03	19.92	20.08	20.06	19.97	20.8	0
5	16QAM	1	12	20.08	20.03	19.95	20.12	20.11	20.06		
5	16QAM	1	24	20.02	19.98	19.96	20.14	20.06	20.05		
5	16QAM	12	0	20.03	19.91	19.98	20.17	20.05	19.99	20.8	0
5	16QAM	12	7	19.99	19.94	19.95	20.12	20.05	20.03		
5	16QAM	12	13	20.03	19.99	19.99	20.12	20.08	20.10		
5	16QAM	25	0	19.93	19.89	19.91	20.08	20.04	20.04		
5	64QAM	1	0	20.03	19.92	19.96	20.12	20.09	20.03	20.8	0
5	64QAM	1	12	20.03	19.97	19.93	20.11	20.03	20.02		
5	64QAM	1	24	19.97	19.85	19.95	20.14	20.01	20.04		
5	64QAM	12	0	19.64	19.66	19.54	19.58	19.64	19.54	20.8	0
5	64QAM	12	7	19.43	19.47	19.50	19.44	19.59	19.49		
5	64QAM	12	13	19.55	19.61	19.54	19.63	19.55	19.47		
5	64QAM	25	0	19.61	19.61	19.51	19.64	19.60	19.63		



5	256QAM	1	0	17.66	17.69	17.67	17.75	17.76	17.67	19	1.8
5	256QAM	1	12	17.57	17.68	17.58	17.69	17.67	17.66		
5	256QAM	1	24	17.47	17.54	17.43	17.49	17.50	17.53		
5	256QAM	12	0	17.64	17.47	17.53	17.50	17.60	17.53	19	1.8
5	256QAM	12	7	17.75	17.83	17.77	17.66	17.72	17.62		
5	256QAM	12	13	17.46	17.50	17.67	17.52	17.61	17.54		
5	256QAM	25	0	17.77	17.75	17.77	17.82	17.65	17.76		

Band 41 HPUE Ant3 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	25.77	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39790	39750	40185	40620	41055	41490		
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.84	21.64	21.84	21.88	21.80	21.85	22.4	0
20	QPSK	1	49	21.82	21.80	21.82	21.83	21.85	21.84		
20	QPSK	1	99	21.72	21.75	21.77	21.80	21.86	21.82		
20	QPSK	50	0	21.81	21.56	21.78	21.86	21.77	21.78	22.4	0
20	QPSK	50	24	21.72	21.70	21.69	21.78	21.82	21.77		
20	QPSK	50	50	21.59	21.66	21.68	21.70	21.79	21.81		
20	QPSK	100	0	21.76	21.55	21.70	21.80	21.67	21.79		
20	16QAM	1	0	21.79	21.52	21.72	21.76	21.68	21.76	22.4	0
20	16QAM	1	49	21.78	21.68	21.76	21.79	21.81	21.71		
20	16QAM	1	99	21.59	21.66	21.68	21.74	21.73	21.83		
20	16QAM	50	0	21.72	21.58	21.71	21.77	21.75	21.81	22.4	0
20	16QAM	50	24	21.74	21.51	21.72	21.82	21.68	21.76		
20	16QAM	50	50	21.80	21.73	21.74	21.78	21.71	21.82		
20	16QAM	100	0	21.66	21.68	21.71	21.77	21.79	21.83		
20	64QAM	1	0	21.73	21.61	21.81	21.78	21.72	21.79	22.4	0
20	64QAM	1	49	21.78	21.68	21.75	21.70	21.74	21.78		
20	64QAM	1	99	21.67	21.70	21.64	21.67	21.75	21.77		
20	64QAM	50	0	21.76	21.60	21.76	21.79	21.71	21.81	22.4	0
20	64QAM	50	24	21.79	21.75	21.76	21.76	21.77	21.78		
20	64QAM	50	50	21.63	21.68	21.70	21.76	21.78	21.76		
20	64QAM	100	0	21.72	21.48	21.72	21.78	21.75	21.70		
20	256QAM	1	0	21.10	21.23	21.14	21.15	21.15	21.09	22	0.4
20	256QAM	1	49	21.30	21.20	21.28	21.24	21.31	21.30		
20	256QAM	1	99	21.18	21.16	21.12	21.16	21.20	21.23		
20	256QAM	50	0	20.90	21.02	20.95	20.96	20.94	20.95	22	0.4
20	256QAM	50	24	21.11	21.02	21.01	21.07	21.12	21.03		
20	256QAM	50	50	20.91	20.92	21.00	20.97	20.94	21.02		
20	256QAM	100	0	21.14	21.16	21.19	21.13	21.07	21.08		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.79	21.58	21.77	21.83	21.76	21.80		
15	QPSK	1	37	21.76	21.77	21.72	21.77	21.77	21.76	22	0
15	QPSK	1	74	21.66	21.73	21.68	21.76	21.83	21.77		
15	QPSK	36	0	21.71	21.47	21.68	21.83	21.70	21.74	22.4	0



15	QPSK	36	20	21.69	21.60	21.65	21.74	21.77	21.67		
15	QPSK	36	39	21.53	21.58	21.60	21.66	21.74	21.77		
15	QPSK	75	0	21.72	21.46	21.63	21.71	21.64	21.74		
15	16QAM	1	0	21.72	21.44	21.67	21.68	21.62	21.68	22.4	0
15	16QAM	1	37	21.70	21.62	21.71	21.70	21.75	21.68		
15	16QAM	1	74	21.55	21.58	21.62	21.66	21.71	21.75		
15	16QAM	36	0	21.65	21.49	21.65	21.74	21.70	21.74	22.4	0
15	16QAM	36	20	21.72	21.42	21.65	21.77	21.63	21.71		
15	16QAM	36	39	21.76	21.70	21.64	21.70	21.65	21.73		
15	16QAM	75	0	21.59	21.60	21.66	21.68	21.75	21.80	22.4	0
15	64QAM	1	0	21.67	21.53	21.76	21.72	21.67	21.74		
15	64QAM	1	37	21.71	21.60	21.73	21.68	21.68	21.70		
15	64QAM	1	74	21.64	21.63	21.59	21.61	21.72	21.73	22.4	0
15	64QAM	36	0	21.69	21.56	21.73	21.77	21.68	21.76		
15	64QAM	36	20	21.72	21.70	21.74	21.67	21.75	21.76		
15	64QAM	36	39	21.59	21.60	21.62	21.71	21.73	21.69	22	0.4
15	64QAM	75	0	21.66	21.41	21.70	21.76	21.71	21.65		
15	256QAM	1	0	20.98	21.11	21.11	21.03	20.99	21.07		
15	256QAM	1	37	21.19	21.09	21.23	21.20	21.20	21.26	22	0.4
15	256QAM	1	74	21.08	21.12	21.01	21.13	21.09	21.11		
15	256QAM	36	0	20.78	20.91	20.81	20.82	20.79	20.91		
15	256QAM	36	20	21.06	20.91	20.86	20.95	21.02	20.94	22	0.4
15	256QAM	36	39	20.77	20.75	20.95	20.88	20.90	20.97		
15	256QAM	75	0	21.00	21.02	21.03	21.08	20.95	20.98		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	21.82	21.61	21.75	21.83	21.75	21.79	22	0
10	QPSK	1	25	21.74	21.73	21.73	21.79	21.75	21.82		
10	QPSK	1	49	21.70	21.71	21.68	21.75	21.77	21.78		
10	QPSK	25	0	21.71	21.54	21.72	21.78	21.70	21.73	22.4	0
10	QPSK	25	12	21.62	21.64	21.63	21.73	21.76	21.72		
10	QPSK	25	25	21.56	21.61	21.63	21.60	21.76	21.79		
10	QPSK	50	0	21.71	21.52	21.60	21.73	21.63	21.71	22.4	0
10	16QAM	1	0	21.69	21.43	21.66	21.74	21.59	21.70		
10	16QAM	1	25	21.73	21.62	21.67	21.72	21.72	21.65		
10	16QAM	1	49	21.50	21.57	21.66	21.66	21.66	21.73	22.4	0
10	16QAM	25	0	21.65	21.50	21.66	21.73	21.69	21.71		
10	16QAM	25	12	21.64	21.42	21.62	21.76	21.65	21.67		
10	16QAM	25	25	21.76	21.65	21.71	21.70	21.64	21.78	22.4	0
10	16QAM	50	0	21.63	21.58	21.65	21.68	21.73	21.78		
10	64QAM	1	0	21.69	21.57	21.74	21.71	21.68	21.70		
10	64QAM	1	25	21.72	21.60	21.65	21.61	21.72	21.76	22.4	0
10	64QAM	1	49	21.60	21.63	21.60	21.61	21.68	21.69		
10	64QAM	25	0	21.66	21.50	21.73	21.77	21.62	21.73		
10	64QAM	25	12	21.75	21.68	21.69	21.73	21.68	21.73	22.4	0
10	64QAM	25	25	21.58	21.62	21.67	21.72	21.73	21.70		
10	64QAM	50	0	21.66	21.39	21.62	21.76	21.72	21.62		
10	256QAM	1	0	21.03	21.14	21.12	20.99	21.03	20.97	22	0.4
10	256QAM	1	25	21.23	21.06	21.13	21.10	21.16	21.24		



10	256QAM	1	49	21.14	21.10	20.99	21.00	21.03	21.20		
10	256QAM	25	0	20.80	20.95	20.82	20.78	20.84	20.85	22	0.4
10	256QAM	25	12	20.96	20.91	20.92	21.02	21.07	20.93		
10	256QAM	25	25	20.85	20.85	20.85	20.84	20.86	20.87		
10	256QAM	50	0	21.09	21.13	21.07	21.05	21.03	20.99		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.81	21.57	21.81	21.80	21.78	21.78	22	0
5	QPSK	1	12	21.77	21.75	21.79	21.75	21.79	21.76		
5	QPSK	1	24	21.69	21.68	21.74	21.73	21.82	21.78		
5	QPSK	12	0	21.78	21.47	21.69	21.79	21.70	21.73	22.4	0
5	QPSK	12	7	21.68	21.61	21.66	21.70	21.73	21.69		
5	QPSK	12	13	21.50	21.57	21.59	21.62	21.73	21.76		
5	QPSK	25	0	21.71	21.49	21.63	21.73	21.63	21.76		
5	16QAM	1	0	21.72	21.49	21.63	21.74	21.59	21.66	22.4	0
5	16QAM	1	12	21.70	21.66	21.74	21.77	21.75	21.63		
5	16QAM	1	24	21.57	21.57	21.62	21.71	21.65	21.77		
5	16QAM	12	0	21.68	21.53	21.63	21.69	21.72	21.71	22.4	0
5	16QAM	12	7	21.66	21.45	21.63	21.77	21.63	21.68		
5	16QAM	12	13	21.73	21.66	21.64	21.68	21.68	21.80		
5	16QAM	25	0	21.63	21.63	21.69	21.70	21.69	21.78		
5	64QAM	1	0	21.65	21.53	21.73	21.74	21.64	21.72	22.4	0
5	64QAM	1	12	21.68	21.64	21.71	21.62	21.64	21.74		
5	64QAM	1	24	21.64	21.60	21.54	21.64	21.67	21.70		
5	64QAM	12	0	21.71	21.56	21.70	21.70	21.63	21.77	22.4	0
5	64QAM	12	7	21.69	21.68	21.70	21.73	21.73	21.69		
5	64QAM	12	13	21.56	21.64	21.64	21.68	21.75	21.68		
5	64QAM	25	0	21.66	21.45	21.67	21.75	21.73	21.65		
5	256QAM	1	0	21.00	21.08	21.11	21.03	21.06	20.97	22	0.4
5	256QAM	1	12	21.24	21.06	21.17	21.12	21.23	21.23		
5	256QAM	1	24	21.04	21.06	21.02	21.13	21.11	21.19		
5	256QAM	12	0	20.85	20.97	20.83	20.83	20.84	20.85	22	0.4
5	256QAM	12	7	21.08	20.84	20.98	20.98	20.97	20.92		
5	256QAM	12	13	20.74	20.80	20.95	20.93	20.92	20.92		
5	256QAM	25	0	20.97	21.04	21.12	21.09	20.90	20.91		

Band 48 Ant4 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.38	21.41	21.39	21.30	22.5	0
20	QPSK	1	49	21.28	21.31	21.31	21.31		
20	QPSK	1	99	21.34	21.28	21.29	21.20		
20	QPSK	50	0	20.97	21.13	20.86	20.99	22	0.5
20	QPSK	50	24	21.00	20.96	21.00	20.97		
20	QPSK	50	50	20.95	20.96	21.02	20.92		
20	QPSK	100	0	20.90	21.07	21.02	20.93		
20	16QAM	1	0	20.80	20.73	20.69	20.78	22	0.5
20	16QAM	1	49	20.77	20.75	20.70	20.68		
20	16QAM	1	99	20.70	20.73	20.70	20.65		
20	16QAM	50	0	19.82	19.80	19.83	19.85	21	1.5
20	16QAM	50	24	19.92	19.97	19.93	19.97		
20	16QAM	50	50	20.01	19.99	19.96	19.94		
20	16QAM	100	0	19.88	19.94	19.97	19.96		
20	64QAM	1	0	19.74	19.69	19.71	19.77	21	1.5
20	64QAM	1	49	19.65	19.66	19.67	19.64		
20	64QAM	1	99	19.71	19.64	19.66	19.64		
20	64QAM	50	0	19.02	18.95	19.02	18.99	20	2.5
20	64QAM	50	24	18.78	18.74	18.72	18.80		
20	64QAM	50	50	19.02	18.95	18.96	18.90		
20	64QAM	100	0	18.88	18.82	18.86	18.83		
20	256QAM	1	0	16.72	16.79	16.75	16.76	18	4.5
20	256QAM	1	49	16.79	16.72	16.69	16.65		
20	256QAM	1	99	16.70	16.72	16.70	16.71		
20	256QAM	50	0	17.02	17.02	17.09	17.06	18	4.5
20	256QAM	50	24	16.97	17.02	17.05	16.94		
20	256QAM	50	50	16.79	16.80	16.81	16.73		
20	256QAM	100	0	16.97	16.92	16.98	16.91		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.26	21.37	21.29	21.21	22.5	0
15	QPSK	1	37	21.21	21.29	21.24	21.18		
15	QPSK	1	74	21.25	21.22	21.23	21.13		
15	QPSK	36	0	20.80	20.75	20.80	20.84	22	0.5
15	QPSK	36	20	20.91	20.88	20.84	20.94		
15	QPSK	36	39	20.87	20.90	20.99	20.82		
15	QPSK	75	0	20.81	20.89	20.89	20.81		
15	16QAM	1	0	20.72	20.66	20.60	20.64	22	0.5
15	16QAM	1	37	20.63	20.66	20.58	20.60		
15	16QAM	1	74	20.61	20.60	20.64	20.65		
15	16QAM	36	0	19.65	19.73	19.67	19.81	21	1.5



15	16QAM	36	20	19.78	19.95	19.83	19.82		
15	16QAM	36	39	19.91	19.92	19.80	19.90		
15	16QAM	75	0	19.76	19.91	19.81	19.85		
15	64QAM	1	0	19.59	19.52	19.58	19.61	21	1.5
15	64QAM	1	37	19.67	19.66	19.54	19.56		
15	64QAM	1	74	19.56	19.52	19.54	19.51		
15	64QAM	36	0	18.98	18.81	18.98	18.90	20	2.5
15	64QAM	36	20	18.69	18.58	18.57	18.63		
15	64QAM	36	39	18.84	18.91	18.89	18.86		
15	64QAM	75	0	18.76	18.74	18.78	18.71	18	4.5
15	256QAM	1	0	16.56	16.61	16.66	16.71		
15	256QAM	1	37	16.70	16.63	16.53	16.55		
15	256QAM	1	74	16.67	16.69	16.58	16.59	18	4.5
15	256QAM	36	0	16.86	16.94	16.98	16.91		
15	256QAM	36	20	16.82	16.84	16.99	16.86		
15	256QAM	36	39	16.63	16.75	16.79	16.57	18	4.5
15	256QAM	75	0	16.81	16.85	16.84	16.78		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.25	21.32	21.35	21.25	22.5	0
10	QPSK	1	25	21.15	21.23	21.20	21.28		
10	QPSK	1	49	21.28	21.24	21.22	21.12		
10	QPSK	25	0	20.81	20.84	20.84	20.97	22	0.5
10	QPSK	25	12	20.90	20.83	20.87	20.90		
10	QPSK	25	25	20.79	20.85	20.96	20.76		
10	QPSK	50	0	20.74	20.94	20.95	20.80	22	0.5
10	16QAM	1	0	20.71	20.56	20.53	20.66		
10	16QAM	1	25	20.70	20.58	20.63	20.62		
10	16QAM	1	49	20.65	20.64	20.63	20.61	21	1.5
10	16QAM	25	0	19.73	19.73	19.73	19.81		
10	16QAM	25	12	19.89	19.81	19.82	19.89		
10	16QAM	25	25	19.89	19.94	19.80	19.91	21	1.5
10	16QAM	50	0	19.72	19.91	19.89	19.84		
10	64QAM	1	0	19.67	19.53	19.67	19.60		
10	64QAM	1	25	19.59	19.56	19.51	19.62	20	2.5
10	64QAM	1	49	19.67	19.53	19.55	19.65		
10	64QAM	25	0	18.99	18.86	18.88	18.93		
10	64QAM	25	12	18.69	18.66	18.63	18.73	18	4.5
10	64QAM	25	25	18.88	18.80	18.89	18.83		
10	64QAM	50	0	18.84	18.68	18.71	18.75		
10	256QAM	1	0	16.66	16.61	16.64	16.66	18	4.5
10	256QAM	1	25	16.77	16.67	16.58	16.50		
10	256QAM	1	49	16.52	16.57	16.58	16.54		
10	256QAM	25	0	16.91	16.88	17.02	17.03	18	4.5
10	256QAM	25	12	16.95	16.92	16.90	16.89		
10	256QAM	25	25	16.70	16.76	16.66	16.62		
10	256QAM	50	0	16.91	16.83	16.95	16.87	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		



5	QPSK	1	0	21.35	21.39	21.29	21.19	22.5	0
5	QPSK	1	12	21.17	21.18	21.21	21.25		
5	QPSK	1	24	21.22	21.19	21.18	21.15		
5	QPSK	12	0	20.86	20.82	20.78	20.94	22	0.5
5	QPSK	12	7	20.89	20.88	20.98	20.90		
5	QPSK	12	13	20.77	20.81	20.84	20.81		
5	QPSK	25	0	20.84	20.81	20.89	20.90		
5	16QAM	1	0	20.72	20.70	20.54	20.75	22	0.5
5	16QAM	1	12	20.60	20.63	20.56	20.52		
5	16QAM	1	24	20.53	20.64	20.67	20.55		
5	16QAM	12	0	19.69	19.64	19.67	19.72	21	1.5
5	16QAM	12	7	19.86	19.85	19.83	19.82		
5	16QAM	12	13	19.97	19.83	19.91	19.79		
5	16QAM	25	0	19.76	19.79	19.91	19.93		
5	64QAM	1	0	19.59	19.64	19.65	19.64	21	1.5
5	64QAM	1	12	19.50	19.53	19.59	19.52		
5	64QAM	1	24	19.56	19.51	19.56	19.76		
5	64QAM	12	0	18.93	18.87	18.90	18.85	20	2.5
5	64QAM	12	7	18.65	18.71	18.63	18.75		
5	64QAM	12	13	18.89	18.81	18.83	18.80		
5	64QAM	25	0	18.77	18.75	18.71	18.75		
5	256QAM	1	0	16.67	16.65	16.73	16.58	18	4.5
5	256QAM	1	12	16.75	16.61	16.58	16.57		
5	256QAM	1	24	16.63	16.56	16.65	16.55		
5	256QAM	12	0	16.96	16.99	17.00	17.02	18	4.5
5	256QAM	12	7	16.94	16.89	16.97	16.89		
5	256QAM	12	13	16.69	16.66	16.78	16.63		
5	256QAM	25	0	16.83	16.76	16.81	16.76		

5G NR Output Power (Unit: dBm)

General Note:

1. 5G NR n2/n5/n7/n12/n13/n14/n25/n26/n30/n66/n38/n41/n48//n71//n77/n78 is SA mode.
2. 5G NR n2/n5/n7/n12/n25/n66/n38/n41/n48//n71//n77/n78 is NSA mode.
3. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
 - a. For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KDB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not $\frac{1}{2}$ dB higher than the same configuration in DFT-s QPSK and the reported SAR for the DFT-s QPSK configuration is ≤ 1.45 W/kg; CP-OFDM testing is not required.
 - b. For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth.
 - c. SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel
 - d. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
 - e. QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested
 - f. $\text{PI}/2$ BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not $\frac{1}{2}$ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, $\text{PI}/2$ BPSK /16QAM/64QAM/256QAM SAR testing are not required.
 - g. Smaller bandwidth output power for each RB allocation configuration for this device will not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
4. For 5G NR other bands, using FTM to perform SAR with default 100% transmission.
5. NSA and SA mode should perform SAR separately. For the maximum power of NSA mode is the same as SA total power level, so SA SAR can represent NSA mode SAR.
6. 5GNR NSA mode, the power level is the same as 5GNR SA mode, so 5GNR NSA mode and SA mode power table only show one time.
7. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so only show DFT-s-OFDM power table and chose DFT-s-OFDM to perform SAR testing.
8. For DFT-s-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for the CP-OFDM mode will not higher than DFT-s-OFDM mode, therefore, CP-OFDM measurement is unnecessary.
9. 5GNR n41/n77 (270&27Q)/n78 (270&27Q) is supports HPUE mode and 5GNR n77 (part96) /n78 (part96) is not supports HPUE mode, HPUE power and SAR testing performed separately.
10. For 5GNR n41/n77/n78 HPUE with higher power, so we chose power class 2 full SAR testing.
11. For 5GNR n77/n78 is supports MIMO.

<3GPP 38.101 MPR for EN-DC>

Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
		$\leq 0.5^2$	$\leq 0.5^2$	0 ²
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM	≤ 2.5		
CP-OFDM	256 QAM	≤ 4.5		
	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5	≤ 0.5	0
	QPSK	≤ 3.5	≤ 1	0
	16 QAM	≤ 3.5	≤ 2	≤ 1
	64 QAM	≤ 3.5	≤ 2.5	
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3.5	≤ 3	≤ 1.5
	16 QAM	≤ 3.5	≤ 3	≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

Full&Default Power Mode

n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	Pi/2 BPSK	1	1	23.54	23.59	23.48	25.0	0.0
20	Pi/2 BPSK	1	53	23.36	23.53	23.49		
20	Pi/2 BPSK	1	104	23.39	23.48	23.45		
20	Pi/2 BPSK	50	0	23.13	23.25	23.20	24.5	0.5
20	Pi/2 BPSK	50	28	23.44	23.61	23.53	25.0	0.0
20	Pi/2 BPSK	50	56	23.13	23.22	23.05	24.5	0.5
20	Pi/2 BPSK	100	0	23.20	23.27	23.17		
20	QPSK	1	1	23.62	23.69	23.66	25.0	0.0
20	QPSK	1	53	23.63	23.61	23.61		
20	QPSK	1	104	23.65	23.68	23.62		
20	QPSK	50	0	22.67	22.74	22.71	24.0	1.0
20	QPSK	50	28	23.59	23.63	23.62	25.0	0.0
20	QPSK	50	56	22.50	22.68	22.63	24.0	1.0
20	QPSK	100	0	22.74	22.82	22.78		
20	16QAM	1	1	22.72	22.79	22.70	24.0	1.0
20	64QAM	1	1	20.77	20.88	20.83	22.5	2.5
20	256QAM	1	1	18.96	18.99	18.84	20.5	4.5
Channel				166300	167300	168300	Tune-up limit	MPR



Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	23.58	23.61	23.55	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.67	23.65	23.64	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.57	23.65	23.50	25.0	0.0

n12 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.60	23.75	23.66	25.0	0.0
15	PI/2 BPSK	1	40	23.55	23.65	23.49		
15	PI/2 BPSK	1	77	23.65	23.69	23.55		
15	PI/2 BPSK	36	0	23.18	23.28	23.10	24.5	0.5
15	PI/2 BPSK	36	22	23.51	23.54	23.40	25.0	0.0
15	PI/2 BPSK	36	43	23.12	23.18	23.03	24.5	0.5
15	PI/2 BPSK	75	0	23.10	23.21	23.09		
15	QPSK	1	1	23.74	23.79	23.77	25.0	0.0
15	QPSK	1	40	23.58	23.75	23.62		
15	QPSK	1	77	23.72	23.78	23.74		
15	QPSK	36	0	22.82	22.87	22.80	24.0	1.0
15	QPSK	36	22	23.53	23.67	23.59	25.0	0.0
15	QPSK	36	43	22.75	22.78	22.65	24.0	1.0
15	QPSK	75	0	22.68	22.75	22.69		
15	16QAM	1	1	22.75	22.91	22.82	24.0	1.0
15	64QAM	1	1	20.93	20.96	20.92	22.5	2.5
	256QAM	1	1	19.02	19.13	18.96	20.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.63	23.63	23.74	25.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.68	23.74	23.62	25.0	0.0

n13 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		23.67		25.0	0.0
10	PI/2 BPSK	1	26		23.63			
10	PI/2 BPSK	1	50		23.67			
10	PI/2 BPSK	25	0		23.18		24.5	0.5
10	PI/2 BPSK	25	14		23.65		25.0	0.0
10	PI/2 BPSK	25	27		23.14		24.5	0.5
10	PI/2 BPSK	50	0		23.15			
10	QPSK	1	1		23.72		25.0	0.0
10	QPSK	1	26		23.68			
10	QPSK	1	50		23.60			
10	QPSK	25	0		22.59		24.0	1.0
10	QPSK	25	14		23.55		25.0	0.0
10	QPSK	25	27		22.64		24.0	1.0
10	QPSK	50	0		22.62			
10	16QAM	1	1		22.79		24.0	1.0
10	64QAM	1	1		20.88		22.5	2.5
10	256QAM	1	1		18.97		20.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.53	23.66	23.60	25.0	0.0

n14 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.60		25.0	0.0
10	PI/2 BPSK	1	26		23.60			
10	PI/2 BPSK	1	50		23.57			
10	PI/2 BPSK	25	0		22.75		24.5	0.5
10	PI/2 BPSK	25	14		23.53		25.0	0.0
10	PI/2 BPSK	25	27		22.69		24.5	0.5
10	PI/2 BPSK	50	0		22.70			
10	QPSK	1	1		23.69		25.0	0.0
10	QPSK	1	26		23.67			
10	QPSK	1	50		23.58			
10	QPSK	25	0		22.60		24.0	1.0
10	QPSK	25	14		23.51		25.0	0.0
10	QPSK	25	27		22.61		24.0	1.0
10	QPSK	50	0		22.53			
10	16QAM	1	1		22.68		24.0	1.0
10	64QAM	1	1		20.80		22.5	2.5
10	256QAM	1	1		18.97		20.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.44	23.58	23.36		

n26 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	23.46	23.50	23.43	25.0	0.0
20	PI/2 BPSK	1	53	23.49	23.61	23.56		
20	PI/2 BPSK	1	104	23.52	23.61	23.54		
20	PI/2 BPSK	50	0	22.56	22.70	22.58	24.5	0.5
20	PI/2 BPSK	50	28	23.33	23.48	23.39	25.0	0.0
20	PI/2 BPSK	50	56	22.74	22.84	22.66	24.5	0.5
20	PI/2 BPSK	100	0	22.74	22.81	22.70		
20	QPSK	1	1	23.57	23.73	23.55	25.0	0.0
20	QPSK	1	53	23.43	23.47	23.35		
20	QPSK	1	104	23.46	23.49	23.42		
20	QPSK	50	0	22.60	22.62	22.51	24.0	1.0
20	QPSK	50	28	23.35	23.46	23.30	25.0	0.0
20	QPSK	50	56	22.54	22.57	22.43	24.0	1.0
20	QPSK	100	0	22.53	22.66	22.55		
20	16QAM	1	1	22.63	22.80	22.67	24.0	1.0
20	64QAM	1	1	20.76	20.86	20.79	22.5	2.5
20	256QAM	1	1	18.86	19.00	18.97	20.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.44	23.49	23.41	25.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.49	23.54	23.50	25.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.47	23.51	23.52	25.0	0.0

n71 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.47	22.59	22.51	24.0	0.0
20	PI/2 BPSK	1	53	22.52	22.57	22.45		
20	PI/2 BPSK	1	104	22.41	22.58	22.56		
20	PI/2 BPSK	50	0	22.07	22.13	22.01	23.5	0.5
20	PI/2 BPSK	50	28	22.38	22.51	22.46	24.0	0.0
20	PI/2 BPSK	50	56	21.95	22.03	21.99	23.5	0.5
20	PI/2 BPSK	100	0	21.93	22.06	22.02		
20	QPSK	1	1	22.60	22.65	22.61	24.0	0.0
20	QPSK	1	53	22.40	22.57	22.50		
20	QPSK	1	104	22.48	22.62	22.58		
20	QPSK	50	0	21.47	21.55	21.48	23.0	1.0
20	QPSK	50	28	22.36	22.48	22.34	24.0	0.0
20	QPSK	50	56	21.44	21.57	21.40	23.0	1.0
20	QPSK	100	0	21.36	21.47	21.37		
20	16QAM	1	1	21.62	21.65	21.58	23.0	1.0
20	64QAM	1	1	19.65	19.79	19.70	21.5	2.5
20	256QAM	1	1	17.62	17.76	17.66	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.57	22.55	22.45	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.53	22.57	22.58	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.48	22.53	22.59	24.0	0.0

n41 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.48	22.74	22.53		
100	PI/2 BPSK	1	137	22.56	22.54	22.57	24.0	0.0
100	PI/2 BPSK	1	271	22.49	22.53	22.48		
100	PI/2 BPSK	135	0	21.99	22.26	22.03	23.5	0.5
100	PI/2 BPSK	135	69	22.38	22.69	22.46	24.0	0.0
100	PI/2 BPSK	135	138	22.01	22.37	22.12	23.5	0.5
100	PI/2 BPSK	270	0	22.01	22.32	22.07		
100	QPSK	1	1	22.47	22.82	22.65	24.0	0.0
100	QPSK	1	137	22.56	22.51	22.57		
100	QPSK	1	271	22.46	22.53	22.50		
100	QPSK	135	0	22.01	22.35	22.19	23.0	1.0
100	QPSK	135	69	22.03	22.27	22.05	24.0	0.0
100	QPSK	135	138	21.87	22.22	22.05	23.0	1.0
100	QPSK	270	0	22.02	22.37	22.20		
100	16QAM	1	1	22.50	22.81	22.60	23.0	1.0
100	64QAM	1	1	22.01	22.27	22.09	22.5	1.5
100	256QAM	1	1	20.63	20.96	20.81	22.0	2.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.39	22.72	22.50	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.42	22.77	22.57	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.35	22.74	22.52	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.32	22.69	22.49	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.32	22.70	22.51	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.35	22.66	22.58	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.37	22.77	22.51	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.42	22.77	22.54	24.0	0.0

n41 PC2 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.31	24.57	24.18	26.0	0.0
100	PI/2 BPSK	1	137	24.31	24.62	24.17		
100	PI/2 BPSK	1	271	24.34	24.60	24.10		
100	PI/2 BPSK	135	0	23.94	24.19	23.70	25.5	0.5
100	PI/2 BPSK	135	69	24.33	24.57	24.18	26.0	0.0
100	PI/2 BPSK	135	138	23.86	24.14	23.80	25.5	0.5
100	PI/2 BPSK	270	0	23.90	24.21	23.73		
100	QPSK	1	1	24.01	24.66	24.25	26.0	0.0
100	QPSK	1	137	24.06	24.07	24.02		
100	QPSK	1	271	24.05	24.15	24.11		
100	QPSK	135	0	23.25	23.36	23.22	25.0	1.0
100	QPSK	135	69	24.06	24.11	24.09	26.0	0.0
100	QPSK	135	138	23.29	23.38	23.34	25.0	1.0
100	QPSK	270	0	23.26	23.38	23.25		
100	16QAM	1	1	23.49	23.55	23.49	25.0	1.0
100	64QAM	1	1	21.87	21.95	21.89	23.5	2.5
100	256QAM	1	1	20.88	20.95	20.91	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.47	24.55	24.17	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.38	24.58	24.17	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.46	24.57	24.13	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.45	24.62	24.19	26.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.46	24.59	24.18	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.39	24.52	24.16	26.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.43	24.50	24.14	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.38	24.56	24.21	26.0	0.0

n5 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.22	22.33	22.23	24.0	0.0
20	PI/2 BPSK	1	53	22.28	22.38	22.36		
20	PI/2 BPSK	1	104	22.32	22.34	22.32		
20	PI/2 BPSK	50	0	21.54	21.61	21.51	23.5	0.5
20	PI/2 BPSK	50	28	22.15	22.20	22.12	24.0	0.0
20	PI/2 BPSK	50	56	21.51	21.60	21.59	23.5	0.5
20	PI/2 BPSK	100	0	21.52	21.62	21.54		
20	QPSK	1	1	22.33	22.54	22.30	24.0	0.0
20	QPSK	1	53	22.23	22.29	22.12		
20	QPSK	1	104	22.27	22.32	22.24		
20	QPSK	50	0	21.41	21.43	21.33	23.0	1.0
20	QPSK	50	28	22.14	22.26	22.02	24.0	0.0
20	QPSK	50	56	21.26	21.36	21.24	23.0	1.0
20	QPSK	100	0	21.34	21.39	21.30		
20	16QAM	1	1	21.37	21.54	21.41	23.0	1.0
20	64QAM	1	1	19.53	19.60	19.53	21.5	2.5
20	256QAM	1	1	17.64	17.74	17.76	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.21	22.44	22.25	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.28	22.41	22.24	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.19	22.47	22.22	24.0	0.0

n12 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.31	22.41	22.27	24.0	0.0
15	PI/2 BPSK	1	40	22.28	22.39	22.25		
15	PI/2 BPSK	1	77	22.23	22.37	22.30		
15	PI/2 BPSK	36	0	21.88	21.90	21.83	23.5	0.5
15	PI/2 BPSK	36	22	22.21	22.24	22.26	24.0	0.0
15	PI/2 BPSK	36	43	21.77	21.86	21.75	23.5	0.5
15	PI/2 BPSK	75	0	21.76	21.89	21.78		
15	QPSK	1	1	22.38	22.49	22.39	24.0	0.0
15	QPSK	1	40	22.15	22.39	22.23		
15	QPSK	1	77	22.26	22.45	22.42		
15	QPSK	36	0	21.24	21.36	21.26	23.0	1.0
15	QPSK	36	22	22.19	22.32	22.09	24.0	0.0
15	QPSK	36	43	21.18	21.41	21.14	23.0	1.0
15	QPSK	75	0	21.21	21.32	21.17		
15	16QAM	1	1	21.37	21.45	21.42	23.0	1.0
15	64QAM	1	1	19.51	19.69	19.59	21.5	2.5
	256QAM	1	1	17.57	17.68	17.58	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.28	22.41	22.29	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.33	22.41	22.34	24.0	0.0

n13 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		22.20		24.0	0.0
10	PI/2 BPSK	1	26		22.36			
10	PI/2 BPSK	1	50		22.37			
10	PI/2 BPSK	25	0		21.52		23.5	0.5
10	PI/2 BPSK	25	14		22.17		24.0	0.0
10	PI/2 BPSK	25	27		21.54		23.5	0.5
10	PI/2 BPSK	50	0		21.60			
10	QPSK	1	1		22.42		24.0	0.0
10	QPSK	1	26		22.25			
10	QPSK	1	50		22.25			
10	QPSK	25	0		21.34		23.0	1.0
10	QPSK	25	14		22.17		24.0	0.0
10	QPSK	25	27		21.32		23.0	1.0
10	QPSK	50	0		21.46			
10	16QAM	1	1		21.57		23.0	1.0
10	64QAM	1	1		19.67		21.5	2.5
10	256QAM	1	1		17.75		19.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	22.33	22.28	22.28		

n14 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		22.27		24.0	0.0
10	PI/2 BPSK	1	26		22.37			
10	PI/2 BPSK	1	50		22.48			
10	PI/2 BPSK	25	0		21.54		23.5	0.5
10	PI/2 BPSK	25	14		22.33		24.0	0.0
10	PI/2 BPSK	25	27		21.67		23.5	0.5
10	PI/2 BPSK	50	0		21.60			
10	QPSK	1	1		22.54		24.0	0.0
10	QPSK	1	26		22.22			
10	QPSK	1	50		22.35			
10	QPSK	25	0		21.48		23.0	1.0
10	QPSK	25	14		22.27		24.0	0.0
10	QPSK	25	27		21.40		23.0	1.0
10	QPSK	50	0		21.42			
10	16QAM	1	1		21.55		23.0	1.0
10	64QAM	1	1		19.69		21.5	2.5
10	256QAM	1	1		17.76		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	22.49	22.48	22.47		

n26 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.18	22.26	22.10	24.0	0.0
20	PI/2 BPSK	1	53	22.21	22.32	22.24		
20	PI/2 BPSK	1	104	22.19	22.27	22.25		
20	PI/2 BPSK	50	0	21.53	21.54	21.54	23.5	0.5
20	PI/2 BPSK	50	28	22.05	22.18	22.09	24.0	0.0
20	PI/2 BPSK	50	56	21.55	21.69	21.56	23.5	0.5
20	PI/2 BPSK	100	0	21.56	21.66	21.56		
20	QPSK	1	1	22.33	22.48	22.29	24.0	0.0
20	QPSK	1	53	22.13	22.14	22.07		
20	QPSK	1	104	22.11	22.16	22.11		
20	QPSK	50	0	21.34	21.33	21.22	23.0	1.0
20	QPSK	50	28	22.11	22.12	22.03	24.0	0.0
20	QPSK	50	56	21.27	21.29	21.11	23.0	1.0
20	QPSK	100	0	21.25	21.42	21.21		
20	16QAM	1	1	21.34	21.46	21.33	23.0	1.0
20	64QAM	1	1	19.56	19.57	19.52	21.5	2.5
20	256QAM	1	1	17.62	17.74	17.73	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.24	22.43	22.24	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.27	22.33	22.24	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.27	22.40	22.17	24.0	0.0

n71 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.20	22.23	22.19	24.0	0.0
20	PI/2 BPSK	1	53	22.31	22.37	22.34		
20	PI/2 BPSK	1	104	22.31	22.39	22.30		
20	PI/2 BPSK	50	0	21.57	21.52	21.58	23.5	0.5
20	PI/2 BPSK	50	28	22.07	22.22	22.13	24.0	0.0
20	PI/2 BPSK	50	56	21.57	21.59	21.51	23.5	0.5
20	PI/2 BPSK	100	0	21.57	21.60	21.59		
20	QPSK	1	1	22.39	22.53	22.30	24.0	0.0
20	QPSK	1	53	22.21	22.29	22.18		
20	QPSK	1	104	22.23	22.25	22.18		
20	QPSK	50	0	21.41	21.41	21.24	23.0	1.0
20	QPSK	50	28	22.11	22.23	22.06	24.0	0.0
20	QPSK	50	56	21.32	21.35	21.23	23.0	1.0
20	QPSK	100	0	21.29	21.48	21.29		
20	16QAM	1	1	21.38	21.60	21.47	23.0	1.0
20	64QAM	1	1	19.59	19.66	19.57	21.5	2.5
20	256QAM	1	1	17.64	17.80	17.69	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.28	22.46	22.17	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.30	22.45	22.17	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.29	22.44	22.23	24.0	0.0

n2 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.29	23.33	23.16	25.0	0.0
20	PI/2 BPSK	1	53	23.30	23.42	23.32		
20	PI/2 BPSK	1	104	23.20	23.37	23.31		
20	PI/2 BPSK	50	0	22.67	22.82	22.68	24.5	0.5
20	PI/2 BPSK	50	28	23.33	23.35	23.26	25.0	0.0
20	PI/2 BPSK	50	56	22.79	22.92	22.82	24.5	0.5
20	PI/2 BPSK	100	0	22.55	22.71	22.68		
20	QPSK	1	1	23.46	23.59	23.52	25.0	0.0
20	QPSK	1	53	23.43	23.56	23.54		
20	QPSK	1	104	23.40	23.43	23.35		
20	QPSK	50	0	22.27	22.43	22.30	24.0	1.0
20	QPSK	50	28	23.33	23.40	23.30	25.0	0.0
20	QPSK	50	56	22.40	22.49	22.32	24.0	1.0
20	QPSK	100	0	22.53	22.57	22.48		
20	16QAM	1	1	22.60	22.66	22.62	24.0	1.0
20	64QAM	1	1	20.85	20.60	20.82	22.5	2.5
20	256QAM	1	1	18.67	18.72	18.70	20.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.37	23.51	23.38	25.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.30	23.46	23.37	25.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.43	23.52	23.44	25.0	0.0

n25 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.38	23.45	23.31	25.0	0.0
40	PI/2 BPSK	1	108	23.47	23.54	23.39		
40	PI/2 BPSK	1	214	23.43	23.51	23.38		
40	PI/2 BPSK	108	0	22.81	22.90	22.87	24.5	0.5
40	PI/2 BPSK	108	54	23.30	23.39	23.32	25.0	0.0
40	PI/2 BPSK	108	108	22.89	22.97	22.93	24.5	0.5
40	PI/2 BPSK	216	0	22.88	22.93	22.82		
40	QPSK	1	1	23.49	23.55	23.50	25.0	0.0
40	QPSK	1	108	23.22	23.39	23.32		
40	QPSK	1	214	23.40	23.47	23.30		
40	QPSK	108	0	22.44	22.48	22.38	24.0	1.0
40	QPSK	108	54	23.24	23.40	23.27	25.0	0.0
40	QPSK	108	108	22.38	22.53	22.38	24.0	1.0
40	QPSK	216	0	22.38	22.48	22.44		
40	16QAM	1	1	22.80	22.83	22.65	24.0	1.0
40	64QAM	1	1	21.05	21.16	20.98	22.5	2.5
40	256QAM	1	1	18.91	18.95	18.77	20.5	4.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.36	23.50	23.39	25.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.44	23.41	23.47	25.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.44	23.51	23.38	25.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.45	23.51	23.48	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.38	23.47	23.46	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.38	23.45	23.48	25.0	0.0

n66 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.31	23.48	23.40	25.0	0.0
40	PI/2 BPSK	1	108	23.38	23.44	23.31		
40	PI/2 BPSK	1	214	23.43	23.47	23.32		
40	PI/2 BPSK	108	0	22.92	23.07	22.96	24.5	0.5
40	PI/2 BPSK	108	54	23.12	23.26	23.23	25.0	0.0
40	PI/2 BPSK	108	108	23.00	23.03	22.88	24.5	0.5
40	PI/2 BPSK	216	0	23.15	23.18	23.14		
40	QPSK	1	1	23.51	23.54	23.50	25.0	0.0
40	QPSK	1	108	23.40	23.49	23.33		
40	QPSK	1	214	23.27	23.43	23.38		
40	QPSK	108	0	22.39	22.55	22.53	24.0	1.0
40	QPSK	108	54	23.28	23.46	23.35	25.0	0.0
40	QPSK	108	108	22.32	22.42	22.38	24.0	1.0
40	QPSK	216	0	22.41	22.55	22.51		
40	16QAM	1	1	22.68	22.84	22.77	24.0	1.0
40	64QAM	1	1	20.94	21.07	20.90	22.5	2.5
40	256QAM	1	1	18.87	18.92	18.86	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.34	23.51	23.48	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.39	23.48	23.41	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.37	23.44	23.33	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.48	23.43	23.46	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.42	23.38	23.43	25.0	0.0

Part270 n77 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.64	21.74	21.70	23.0	0.0
100	PI/2 BPSK	1	137	21.59	21.72	21.61		
100	PI/2 BPSK	1	271	21.74	21.82	21.63		
100	PI/2 BPSK	135	0	21.16	21.29	21.20	23.0	0.0
100	PI/2 BPSK	135	69	21.58	21.65	21.53	23.0	0.0
100	PI/2 BPSK	135	138	21.67	21.68	21.54	23.0	0.0
100	PI/2 BPSK	270	0	21.81	21.88	21.77		
100	QPSK	1	1	21.86	22.00	21.93	23.0	0.0
100	QPSK	1	137	21.77	21.78	21.75		
100	QPSK	1	271	21.85	21.97	21.84		
100	QPSK	135	0	21.61	21.80	21.65	23.0	0.0
100	QPSK	135	69	21.73	21.85	21.80	23.0	0.0
100	QPSK	135	138	21.61	21.75	21.68	23.0	0.0
100	QPSK	270	0	21.72	21.77	21.74		
100	16QAM	1	1	21.63	21.85	21.79	23.0	0.0
100	64QAM	1	1	21.90	21.89	21.98	23.0	0.0
100	256QAM	1	1	20.26	20.32	20.29	22.0	1.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.74	21.95	21.85	23.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.78	21.86	21.87	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.74	21.95	21.82	23.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.73	21.88	21.78	23.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.79	21.89	21.86	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.75	21.95	21.82	23.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.77	21.94	21.84	23.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.76	21.89	21.79	23.0	0.0

Part270 n77 PC2 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	26.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	25.10	25.17	25.05		
100	PI/2 BPSK	1	137	24.88	25.07	24.94	25.5	0.5
100	PI/2 BPSK	1	271	24.97	25.15	24.99		
100	PI/2 BPSK	135	0	24.63	24.66	24.40		
100	PI/2 BPSK	135	69	25.02	25.12	24.97	25.5	0.5
100	PI/2 BPSK	135	138	24.38	24.57	24.43		
100	PI/2 BPSK	270	0	24.42	24.44	24.30		
100	QPSK	1	1	24.84	24.96	24.80	26.0	0.0
100	QPSK	1	137	23.64	23.86	23.75		
100	QPSK	1	271	23.70	23.76	23.68		
100	QPSK	135	0	22.71	22.88	22.88	24.0	2.0
100	QPSK	135	69	24.69	24.84	24.74	26.0	0.0
100	QPSK	135	138	22.76	22.80	22.83	25.0	1.0
100	QPSK	270	0	22.82	22.90	22.86		
100	16QAM	1	1	23.89	23.92	23.88	25.0	1.0
100	64QAM	1	1	22.32	22.46	22.36	23.5	2.5
100	256QAM	1	1	20.41	20.51	20.41	21.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.71	25.82	25.68	26.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	25.68	25.88	25.68	26.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.71	25.84	25.75	26.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.72	25.85	25.68	26.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.80	25.84	25.69	26.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.79	25.87	25.74	26.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	25.77	25.85	25.64	26.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.69	25.81	25.76	26.0	0.0

Part27Q n77 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.59			
100	PI/2 BPSK	1	137		21.59		23.0	0.0
100	PI/2 BPSK	1	271		21.48			
100	PI/2 BPSK	135	0		21.64			
100	PI/2 BPSK	135	69		21.45		23.0	0.0
100	PI/2 BPSK	135	138		21.60		23.0	0.0
100	PI/2 BPSK	270	0		21.62			
100	QPSK	1	1		21.67			
100	QPSK	1	137		21.52		23.0	0.0
100	QPSK	1	271		21.39			
100	QPSK	135	0		21.45			
100	QPSK	135	69		21.65		23.0	0.0
100	QPSK	135	138		21.61		23.0	0.0
100	QPSK	270	0		21.60			
100	16QAM	1	1		21.40			
100	64QAM	1	1		21.10		23.0	0.0
100	256QAM	1	1		20.04		22.0	1.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.43	21.59	21.55		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.45	21.55	21.55		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.51	21.54	21.52		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.50	21.52	21.53		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.43	21.57	21.51		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.40	21.55	21.49		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.39	21.54	21.55		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.45	21.53	21.53		

Part27Q n77 PC2 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		25.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.50		25.0	0.0
100	PI/2 BPSK	1	137		23.48			
100	PI/2 BPSK	1	271		23.54			
100	PI/2 BPSK	135	0		23.06		24.5	0.5
100	PI/2 BPSK	135	69		23.04		25.0	0.0
100	PI/2 BPSK	135	138		23.12		24.5	0.5
100	PI/2 BPSK	270	0		23.14			
100	QPSK	1	1		23.58		25.0	0.0
100	QPSK	1	137		23.48			
100	QPSK	1	271		23.51			
100	QPSK	135	0		22.61		24.0	1.0
100	QPSK	135	69		23.44		25.0	0.0
100	QPSK	135	138		22.56		24.0	1.0
100	QPSK	270	0		22.69			
100	16QAM	1	1		22.50		24.0	1.0
100	64QAM	1	1		21.05		22.5	2.5
100	256QAM	1	1		19.21		20.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.34	23.50	23.39	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.37	23.44	23.45	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.37	23.46	23.37	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.33	23.45	23.47	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.33	23.46	23.44	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.42	23.52	23.36	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.38	23.49	23.38	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.35	23.51	23.42	25.0	0.0

Part270 n78 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.88		23.0	0.0
100	PI/2 BPSK	1	137		21.89			
100	PI/2 BPSK	1	271		21.94			
100	PI/2 BPSK	135	0		21.82		23.0	0.0
100	PI/2 BPSK	135	69		21.81		23.0	0.0
100	PI/2 BPSK	135	138		21.75		23.0	0.0
100	PI/2 BPSK	270	0		21.95			
100	QPSK	1	1		22.01		23.0	0.0
100	QPSK	1	137		21.89			
100	QPSK	1	271		21.99			
100	QPSK	135	0		21.83		23.0	0.0
100	QPSK	135	69		21.88		23.0	0.0
100	QPSK	135	138		21.68		23.0	0.0
100	QPSK	270	0		21.76			
100	16QAM	1	1		21.94		23.0	0.0
100	64QAM	1	1		21.90		23.0	0.0
100	256QAM	1	1		20.40		22.0	1.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.82	21.90	21.79	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.83	21.94	21.85	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.82	21.90	21.82	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.89	21.86	21.79	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.82	21.86	21.85	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.83	21.90	21.84	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.91	21.86	21.77	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.90	21.91	21.77	23.0	0.0

Part270 n78 PC2 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		24.11		25.0	0.0
100	PI/2 BPSK	1	137		24.03			
100	PI/2 BPSK	1	271		24.01			
100	PI/2 BPSK	135	0		23.46		24.5	0.5
100	PI/2 BPSK	135	69		24.09		25.0	0.0
100	PI/2 BPSK	135	138		23.55		24.5	0.5
100	PI/2 BPSK	270	0		23.52			
100	QPSK	1	1		24.16		25.0	0.0
100	QPSK	1	137		24.06			
100	QPSK	1	271		24.11			
100	QPSK	135	0		23.68		25.0	0.0
100	QPSK	135	69		23.82		25.0	0.0
100	QPSK	135	138		23.49		24.0	1.0
100	QPSK	270	0		23.58			
100	16QAM	1	1		22.54		24.0	1.0
100	64QAM	1	1		21.05		22.5	2.5
100	256QAM	1	1		19.05		20.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.93	24.01	23.95	25.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.98	24.11	23.97	25.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.91	24.12	23.96	25.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.99	24.03	23.95	25.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.92	24.01	23.93	25.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.99	24.05	23.95	25.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.97	24.01	23.95	25.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.94	24.11	23.95	25.0	0.0

Part27Q n78 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		22.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.16			
100	PI/2 BPSK	1	137		21.13		22.0	0.0
100	PI/2 BPSK	1	271		21.22			
100	PI/2 BPSK	135	0		21.24			
100	PI/2 BPSK	135	69		21.07		22.0	0.0
100	PI/2 BPSK	135	138		21.12		22.0	0.0
100	PI/2 BPSK	270	0		21.23			
100	QPSK	1	1		21.28			
100	QPSK	1	137		21.18		22.0	0.0
100	QPSK	1	271		21.12			
100	QPSK	135	0		21.19			
100	QPSK	135	69		21.23		22.0	0.0
100	QPSK	135	138		21.18		22.0	0.0
100	QPSK	270	0		21.23			
100	16QAM	1	1		21.28			
100	64QAM	1	1		20.85		22.0	0.0
100	256QAM	1	1		19.69		20.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.13	21.18	21.00		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.11	21.23	21.03		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.14	21.18	21.00		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.03	21.12	20.97		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.13	21.20	21.04		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.03	21.15	21.05		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.12	21.21	21.04		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.10	21.12	21.00		

Part27Q n78 PC2 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		24.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.78			
100	PI/2 BPSK	1	137		22.66		23.5	0.5
100	PI/2 BPSK	1	271		22.59			
100	PI/2 BPSK	135	0		22.17			
100	PI/2 BPSK	135	69		22.71		23.5	0.5
100	PI/2 BPSK	135	138		22.15			
100	PI/2 BPSK	270	0		22.17			
100	QPSK	1	1		22.81		24.0	0.0
100	QPSK	1	137		22.63			
100	QPSK	1	271		22.58			
100	QPSK	135	0		21.42		23.0	1.0
100	QPSK	135	69		22.72			
100	QPSK	135	138		21.65			
100	QPSK	270	0		21.71		23.0	1.0
100	16QAM	1	1		21.83			
100	64QAM	1	1		20.12			
100	256QAM	1	1		18.38		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.68	22.73	22.63	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.65	22.75	22.56	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.68	22.66	22.61	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.66	22.69	22.68	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.71	22.76	22.62	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.68	22.77	22.65	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.63	22.69	22.57	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.72	22.67	22.63	24.0	0.0

Part96 n77 PC3 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	23.0	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.39	21.52	21.55		
100	PI/2 BPSK	1	137	21.36	21.53	21.40	23.0	0.0
100	PI/2 BPSK	1	271	21.60	21.61	21.42		
100	PI/2 BPSK	135	0	21.03	21.11	21.04		
100	PI/2 BPSK	135	69	21.43	21.48	21.34	23.0	0.0
100	PI/2 BPSK	135	138	21.51	21.52	21.29		
100	PI/2 BPSK	270	0	21.61	21.64	21.61		
100	QPSK	1	1	21.73	21.82	21.74	23.0	0.0
100	QPSK	1	137	21.56	21.65	21.56		
100	QPSK	1	271	21.59	21.78	21.69		
100	QPSK	135	0	21.48	21.67	21.48	23.0	0.0
100	QPSK	135	69	21.47	21.69	21.54		
100	QPSK	135	138	21.41	21.60	21.45		
100	QPSK	270	0	21.50	21.59	21.49	23.0	0.0
100	16QAM	1	1	21.47	21.62	21.57		
100	64QAM	1	1	21.75	21.74	21.52		
100	256QAM	1	1	20.02	20.10	20.10	21.0	2.0
Channel				639668	641666	643666	23.0	0.0
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.48	21.62	21.52		
Channel				639334	641666	644000	23.0	0.0
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.51	21.69	21.52		
Channel				639000	641666	644332	23.0	0.0
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.52	21.61	21.51		
Channel				638668	641666	644666	23.0	0.0
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.58	21.58	21.55		
Channel				638334	641666	645000	23.0	0.0
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.59	21.62	21.55		
Channel				638000	641666	645332	23.0	0.0
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	21.60	21.64	21.60		
Channel				637668	641666	645666	23.0	0.0
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.54	21.64	21.59		
Channel				637334	641666	646000	23.0	0.0
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.58	21.68	21.58		

Part96 n78 PC3 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	23.0	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.24	21.30	21.37		
100	PI/2 BPSK	1	137	21.20	21.29	21.19	23.0	0.0
100	PI/2 BPSK	1	271	21.44	21.41	21.19		
100	PI/2 BPSK	135	0	20.85	20.91	20.88		
100	PI/2 BPSK	135	69	21.20	21.27	21.17	23.0	0.0
100	PI/2 BPSK	135	138	21.27	21.31	21.14		
100	PI/2 BPSK	270	0	21.47	21.45	21.35		
100	QPSK	1	1	21.55	21.59	21.54	23.0	0.0
100	QPSK	1	137	21.36	21.52	21.40		
100	QPSK	1	271	21.37	21.58	21.52		
100	QPSK	135	0	21.31	21.41	21.30	23.0	0.0
100	QPSK	135	69	21.28	21.55	21.39		
100	QPSK	135	138	21.23	21.35	21.22		
100	QPSK	270	0	21.32	21.33	21.24	23.0	0.0
100	16QAM	1	1	21.29	21.37	21.39		
100	64QAM	1	1	21.55	21.56	21.28		
100	256QAM	1	1	19.81	19.90	19.95	21.0	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.39	21.40	21.38	23.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.31	21.35	21.30	23.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.39	21.40	21.39	23.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.41	21.37	21.36	23.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.29	21.41	21.33	23.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	21.36	21.40	21.32	23.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.41	21.38	21.37	23.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.37	21.41	21.31	23.0	0.0

n7 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	22.81	22.88	22.81	24.0	0.0
40	PI/2 BPSK	1	108	22.78	22.81	22.75		
40	PI/2 BPSK	1	214	22.61	22.78	22.74		
40	PI/2 BPSK	108	0	22.06	22.16	22.12	23.5	0.5
40	PI/2 BPSK	108	54	22.59	22.69	22.65	24.0	0.0
40	PI/2 BPSK	108	108	22.01	22.16	22.01	23.5	0.5
40	PI/2 BPSK	216	0	22.10	22.14	22.06		
40	QPSK	1	1	22.94	22.96	22.91	24.0	0.0
40	QPSK	1	108	22.70	22.85	22.69		
40	QPSK	1	214	22.73	22.89	22.76		
40	QPSK	108	0	21.61	21.68	21.53	23.0	1.0
40	QPSK	108	54	22.63	22.73	22.70	24.0	0.0
40	QPSK	108	108	21.61	21.70	21.53	23.0	1.0
40	QPSK	216	0	21.68	21.80	21.64		
40	16QAM	1	1	22.03	22.05	21.95	23.0	1.0
40	64QAM	1	1	19.94	20.09	20.00	21.5	2.5
40	256QAM	1	1	17.99	18.10	17.97	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.92	22.81	22.80	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.89	22.85	22.82	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.87	22.80	22.85	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.85	22.93	22.85	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.91	22.90	22.79	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.91	22.79	22.75	24.0	0.0

n30 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		23.60		25.0	0.0
10	PI/2 BPSK	1	26		23.52			
10	PI/2 BPSK	1	50		23.57			
10	PI/2 BPSK	25	0		23.15		24.5	0.5
10	PI/2 BPSK	25	14		23.57		25.0	0.0
10	PI/2 BPSK	25	27		23.17		24.5	0.5
10	PI/2 BPSK	50	0		23.21			
10	QPSK	1	1		23.66		25.0	0.0
10	QPSK	1	26		23.54			
10	QPSK	1	50		23.51			
10	QPSK	25	0		22.51		24.0	1.0
10	QPSK	25	14		22.52		24.0	1.0
10	QPSK	25	27		22.48		24.0	1.0
10	QPSK	50	0		22.50			
10	16QAM	1	1		22.58		24.0	1.0
10	64QAM	1	1		20.89		22.5	2.5
10	256QAM	1	1		18.96		20.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	23.45	23.53	23.56	25.0	0.0

n38 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.48	21.64	21.56	23.0	0.0
40	PI/2 BPSK	1	53	21.60	21.62	21.55		
40	PI/2 BPSK	1	104	21.54	21.60	21.42		
40	PI/2 BPSK	50	0	21.11	21.14	21.01	22.5	0.5
40	PI/2 BPSK	50	28	21.35	21.50	21.38	23.0	0.0
40	PI/2 BPSK	50	56	21.19	21.29	21.15	22.5	0.5
40	PI/2 BPSK	100	0	21.11	21.13	21.03		
40	QPSK	1	1	21.73	21.79	21.72	23.0	0.0
40	QPSK	1	53	21.61	21.72	21.69		
40	QPSK	1	104	21.54	21.67	21.45		
40	QPSK	50	0	20.48	20.59	20.56	22.0	1.0
40	QPSK	50	28	21.48	21.62	21.51	23.0	0.0
40	QPSK	50	56	20.55	20.68	20.63	22.0	1.0
40	QPSK	100	0	20.73	20.80	20.67		
40	16QAM	1	1	20.71	20.82	20.83	22.0	1.0
40	64QAM	1	1	18.87	18.92	18.81	20.5	2.5
40	256QAM	1	1	16.97	16.86	16.89	18.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.65	21.68	21.66	23.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.61	21.63	21.60	23.0	0.0

n41 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.31	22.36	22.26		
100	PI/2 BPSK	1	137	22.21	22.31	22.14	24.0	0.0
100	PI/2 BPSK	1	271	22.15	22.26	22.13		
100	PI/2 BPSK	135	0	21.02	21.12	20.99	22.5	1.5
100	PI/2 BPSK	135	69	22.16	22.18	22.02	24.0	0.0
100	PI/2 BPSK	135	138	21.03	21.16	21.12	22.5	1.5
100	PI/2 BPSK	270	0	22.11	22.17	22.04		
100	QPSK	1	1	22.48	22.51	22.50	24.0	0.0
100	QPSK	1	137	22.36	22.42	22.38		
100	QPSK	1	271	22.46	22.48	22.41		
100	QPSK	135	0	21.14	21.19	21.09	23.0	1.0
100	QPSK	135	69	22.29	22.39	22.26	24.0	0.0
100	QPSK	135	138	21.14	21.17	21.11	23.0	1.0
100	QPSK	270	0	22.12	22.20	22.17		
100	16QAM	1	1	22.30	22.45	22.33	23.0	1.0
100	64QAM	1	1	22.08	22.14	22.04	22.5	1.5
100	256QAM	1	1	20.39	20.48	20.44	21.5	2.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.35	22.44	22.47	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.30	22.49	22.47	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.34	22.36	22.36	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.44	22.34	22.44	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.40	22.36	22.45	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.38	22.38	22.37	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.33	22.42	22.42	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.32	22.46	22.42	24.0	0.0

n41 PC2 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.43	25.45	25.32	27.0	0.0
100	PI/2 BPSK	1	137	25.28	25.32	25.23		
100	PI/2 BPSK	1	271	25.25	25.32	25.15		
100	PI/2 BPSK	135	0	24.06	24.14	23.99	25.5	1.5
100	PI/2 BPSK	135	69	25.23	25.33	25.26	27.0	0.0
100	PI/2 BPSK	135	138	24.03	24.09	23.98	25.5	1.5
100	PI/2 BPSK	270	0	24.53	24.64	24.60		
100	QPSK	1	1	25.49	25.53	25.51	27.0	0.0
100	QPSK	1	137	25.32	25.45	25.39		
100	QPSK	1	271	25.33	25.47	25.36		
100	QPSK	135	0	25.09	25.18	25.14	26.0	1.0
100	QPSK	135	69	25.35	25.44	25.33	27.0	0.0
100	QPSK	135	138	25.14	25.27	25.14	26.0	1.0
100	QPSK	270	0	24.06	24.12	24.09		
100	16QAM	1	1	24.42	24.58	24.46	26.0	1.0
100	64QAM	1	1	22.62	22.67	22.62	24.5	2.5
100	256QAM	1	1	20.33	20.45	20.28	22.0	5.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.46	25.41	25.49	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.39	25.47	25.48	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.41	25.45	25.38	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.46	25.41	25.45	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.44	25.48	25.38	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.47	25.47	25.48	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.45	25.42	25.42	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.36	25.50	25.44	27.0	0.0

Part270 n77 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.66	22.82	22.74	24.0	0.0
100	PI/2 BPSK	1	137	22.69	22.79	22.71		
100	PI/2 BPSK	1	271	22.61	22.75	22.60		
100	PI/2 BPSK	135	0	22.68	22.65	22.53	23.5	0.5
100	PI/2 BPSK	135	69	22.67	22.76	22.64	24.0	0.0
100	PI/2 BPSK	135	138	22.59	22.72	22.64	23.5	0.5
100	PI/2 BPSK	270	0	22.69	22.71	22.60		
100	QPSK	1	1	22.84	23.02	22.76	24.0	0.0
100	QPSK	1	137	22.62	22.67	22.47		
100	QPSK	1	271	22.55	22.78	22.68		
100	QPSK	135	0	22.59	22.73	22.63	23.0	1.0
100	QPSK	135	69	22.67	22.79	22.68	24.0	0.0
100	QPSK	135	138	22.60	22.77	22.76	23.0	1.0
100	QPSK	270	0	22.81	22.89	22.72		
100	16QAM	1	1	22.69	22.87	22.65	23.0	1.0
100	64QAM	1	1	22.35	22.53	22.54	23.0	1.0
100	256QAM	1	1	21.07	21.02	20.92	22.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.74	22.94	22.62	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.69	22.90	22.67	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.78	22.88	22.68	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.70	22.96	22.69	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.77	22.95	22.62	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.77	22.87	22.71	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.77	22.89	22.70	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		

20	QPSK	1	1	22.69	22.89	22.67	24.0	0.0

Part270 n77 PC2 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	25.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.77	23.87	23.84		
100	PI/2 BPSK	1	137	23.75	23.89	23.82	22.0	3.0
100	PI/2 BPSK	1	271	23.83	23.91	23.76		
100	PI/2 BPSK	135	0	20.64	20.76	20.63		
100	PI/2 BPSK	135	69	23.83	23.84	23.67	22.0	3.0
100	PI/2 BPSK	135	138	20.83	20.85	20.79		
100	PI/2 BPSK	270	0	20.80	20.92	20.89		
100	QPSK	1	1	23.85	24.00	23.89	25.0	0.0
100	QPSK	1	137	23.74	23.87	23.91		
100	QPSK	1	271	23.75	23.80	23.73		
100	QPSK	135	0	22.63	22.86	22.71	24.0	1.0
100	QPSK	135	69	23.57	23.71	23.65	25.0	0.0
100	QPSK	135	138	22.64	22.79	22.57	24.0	1.0
100	QPSK	270	0	22.79	22.90	22.75		
100	16QAM	1	1	22.85	22.95	22.90	24.0	1.0
100	64QAM	1	1	20.89	21.01	20.88	22.5	2.5
100	256QAM	1	1	18.95	18.98	18.92	20.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.77	23.86	23.84	25.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.80	23.89	23.78	25.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.76	23.85	23.76	25.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.78	23.89	23.85	25.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.79	23.88	23.80	25.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.76	23.92	23.84	25.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.75	23.89	23.75	25.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		

20	QPSK	1	1	23.76	23.94	23.78	25.0	0.0

Part27Q n77 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.92			
100	PI/2 BPSK	1	137		21.86		23.0	0.0
100	PI/2 BPSK	1	271		22.06			
100	PI/2 BPSK	135	0		22.00			
100	PI/2 BPSK	135	69		21.89		23.0	0.0
100	PI/2 BPSK	135	138		22.02		23.0	0.0
100	PI/2 BPSK	270	0		22.07			
100	QPSK	1	1		22.16			
100	QPSK	1	137		21.96		23.0	0.0
100	QPSK	1	271		22.04			
100	QPSK	135	0		22.05			
100	QPSK	135	69		22.15		23.0	0.0
100	QPSK	135	138		22.07		23.0	0.0
100	QPSK	270	0		22.05			
100	16QAM	1	1		22.07		23.0	0.0
100	64QAM	1	1		21.19		23.0	0.0
100	256QAM	1	1		20.11		22.0	1.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.97	22.04	21.81		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.86	21.95	21.74		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.90	22.00	21.74		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.90	21.99	21.74		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.87	21.93	21.69		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.85	21.96	21.74		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.81	21.90	21.66		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		

20	QPSK	1	1	21.89	21.91	21.67	23.0	0.0

Part27Q n77 PC2 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		25.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.81			
100	PI/2 BPSK	1	137		23.75		24.5	0.5
100	PI/2 BPSK	1	271		23.71			
100	PI/2 BPSK	135	0		23.23			
100	PI/2 BPSK	135	69		23.65		24.5	0.5
100	PI/2 BPSK	135	138		23.29			
100	PI/2 BPSK	270	0		23.22			
100	QPSK	1	1		23.86		25.0	0.0
100	QPSK	1	137		23.81			
100	QPSK	1	271		23.75			
100	QPSK	135	0		23.01		25.0	0.0
100	QPSK	135	69		23.73			
100	QPSK	135	138		22.86			
100	QPSK	270	0		22.92		24.0	1.0
100	16QAM	1	1		22.94			
100	64QAM	1	1		21.10			
100	256QAM	1	1		19.08		20.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.69	23.80	23.63	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.72	23.81	23.60	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.77	23.79	23.62	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.70	23.74	23.72	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.67	23.80	23.70	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.65	23.76	23.60	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.74	23.80	23.70	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		

20	QPSK	1	1	23.73	23.75	23.68	25.0	0.0

Part270 n78 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000		23.0	0.0
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		22.35			
100	PI/2 BPSK	1	137		22.25		22.5	0.5
100	PI/2 BPSK	1	271		22.36			
100	PI/2 BPSK	135	0		21.87			
100	PI/2 BPSK	135	69		22.31		22.5	0.5
100	PI/2 BPSK	135	138		21.74			
100	PI/2 BPSK	270	0		21.74			
100	QPSK	1	1		22.42		23.0	0.0
100	QPSK	1	137		22.32			
100	QPSK	1	271		22.31			
100	QPSK	135	0		21.44		22.0	1.0
100	QPSK	135	69		21.47		23.0	0.0
100	QPSK	135	138		21.10		22.0	1.0
100	QPSK	270	0		21.11			
100	16QAM	1	1		21.37		22.0	1.0
100	64QAM	1	1		20.12		20.5	2.5
100	256QAM	1	1		19.21		20.0	3.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.25	22.33	22.22	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.28	22.32	22.24	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.18	22.30	22.23	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.27	22.35	22.27	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.26	22.26	22.27	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.28	22.31	22.27	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.19	22.31	22.28	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		

20	QPSK	1	1	22.21	22.28	22.21	23.0	0.0

Part270 n78 PC2 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	25.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.41			
100	PI/2 BPSK	1	137		23.30		24.5	0.5
100	PI/2 BPSK	1	271		23.38			
100	PI/2 BPSK	135	0		22.88			
100	PI/2 BPSK	135	69		23.26		25.0	0.0
100	PI/2 BPSK	135	138		22.76		24.5	0.5
100	PI/2 BPSK	270	0		22.78			
100	QPSK	1	1		23.46			
100	QPSK	1	137		23.35		25.0	0.0
100	QPSK	1	271		23.29			
100	QPSK	135	0		22.43			
100	QPSK	135	69		23.10		24.0	1.0
100	QPSK	135	138		22.12		25.0	0.0
100	QPSK	270	0		22.08			
100	16QAM	1	1		22.44			
100	64QAM	1	1		20.85		24.0	1.0
100	256QAM	1	1		19.19		22.5	2.5
Channel				649668	650000	650334	24.0	1.0
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.31	23.37	23.26		
Channel				649334	650000	650668	25.0	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.36	23.35	23.23		
Channel				649000	650000	651000	25.0	0.0
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.31	23.37	23.26		
Channel				648668	650000	651334	25.0	0.0
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.29	23.34	23.24		
Channel				648334	650000	651668	25.0	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.29	23.32	23.29		
Channel				648000	650000	652000	25.0	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.27	23.37	23.25		
Channel				647668	650000	652334	25.0	0.0
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.37	23.39	23.25		
Channel				647334	650000	652668	25.0	0.0
Frequency (MHz)				3710.01	3750	3790.02		

20	QPSK	1	1	23.29	23.36	23.25	25.0	0.0

Part27Q n78 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		22.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.54			
100	PI/2 BPSK	1	137		21.62		22.0	0.0
100	PI/2 BPSK	1	271		21.58			
100	PI/2 BPSK	135	0		21.07		22.0	0.0
100	PI/2 BPSK	135	69		21.58		22.0	0.0
100	PI/2 BPSK	135	138		21.21		22.0	0.0
100	PI/2 BPSK	270	0		21.15			
100	QPSK	1	1		21.69			
100	QPSK	1	137		21.56		22.0	0.0
100	QPSK	1	271		21.52			
100	QPSK	135	0		20.71		22.0	0.0
100	QPSK	135	69		21.64		22.0	0.0
100	QPSK	135	138		20.68		22.0	0.0
100	QPSK	270	0		20.63			
100	16QAM	1	1		20.68		22.0	0.0
100	64QAM	1	1		21.08		22.0	0.0
100	256QAM	1	1		19.66		21.0	1.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.59	20.65	20.54	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.57	20.62	20.53	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.53	20.59	20.54	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.59	20.59	20.47	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.52	20.65	20.52	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.52	20.62	20.53	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.54	20.58	20.51	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		

20	QPSK	1	1	20.57	20.62	20.53	22.0	0.0

Part27Q n78 PC2 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		24.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.53		24.0	0.0
100	PI/2 BPSK	1	137		22.66			
100	PI/2 BPSK	1	271		22.58			
100	PI/2 BPSK	135	0		22.10		23.5	0.5
100	PI/2 BPSK	135	69		22.62		24.0	0.0
100	PI/2 BPSK	135	138		22.25		23.5	0.5
100	PI/2 BPSK	270	0		22.13			
100	QPSK	0.0	1		22.72		24.0	0.0
100	QPSK	1	137		22.57			
100	QPSK	1	271		22.53			
100	QPSK	135	0		21.74		23.0	1.0
100	QPSK	135	69		22.60		24.0	0.0
100	QPSK	135	138		21.65		23.0	1.0
100	QPSK	270	0		21.64			
100	16QAM	1	1		22.14		23.0	1.0
100	64QAM	1	1		20.30		21.5	2.5
100	256QAM	1	1		18.44		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.48	22.67	22.41	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.49	22.58	22.49	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.46	22.67	22.43	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.58	22.57	22.49	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.55	22.66	22.48	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.56	22.65	22.46	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.56	22.59	22.41	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		



20	QPSK	1	1	22.48	22.65	22.48	24.0	0.0

Part96 n77 PC3 Ant3 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	24.0	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	22.51	22.68	22.60		
100	PI/2 BPSK	1	137	22.52	22.63	22.56	23.5	0.5
100	PI/2 BPSK	1	271	22.43	22.53	22.45		
100	PI/2 BPSK	135	0	22.48	22.51	22.38		
100	PI/2 BPSK	135	69	22.49	22.56	22.40	23.5	0.5
100	PI/2 BPSK	135	138	22.35	22.49	22.43		
100	PI/2 BPSK	270	0	22.45	22.49	22.43		
100	QPSK	1	1	22.71	22.83	22.50	24.0	0.0
100	QPSK	1	137	22.44	22.45	22.24		
100	QPSK	1	271	22.40	22.57	22.54		
100	QPSK	135	0	22.39	22.52	22.48	23.0	1.0
100	QPSK	135	69	22.44	22.61	22.48	23.0	1.0
100	QPSK	135	138	22.37	22.60	22.54		
100	QPSK	270	0	22.56	22.65	22.48		
100	16QAM	1	1	22.51	22.72	22.47	23.0	1.0
100	64QAM	1	1	22.18	22.33	22.33	23.0	1.0
100	256QAM	1	1	20.85	20.79	20.66	22.0	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	22.58	22.63	22.33	24.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	22.53	22.69	22.32	24.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	22.46	22.63	22.25	24.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	22.57	22.69	22.36	24.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	22.51	22.65	22.28	24.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	22.54	22.57	22.32	24.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	22.48	22.69	22.25	24.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	22.51	22.67	22.33	24.0	0.0

Part96 n78 PC3 Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	22.46	22.68	22.60	24.0	0.0
100	PI/2 BPSK	1	137	22.45	22.55	22.54		
100	PI/2 BPSK	1	271	22.44	22.59	22.38		
100	PI/2 BPSK	135	0	22.49	22.50	22.28	23.5	0.5
100	PI/2 BPSK	135	69	22.51	22.60	22.40	24.0	0.0
100	PI/2 BPSK	135	138	22.39	22.57	22.40	23.5	0.5
100	PI/2 BPSK	270	0	22.45	22.55	22.38		
100	QPSK	1	1	22.67	22.78	22.51	24.0	0.0
100	QPSK	1	137	22.40	22.51	22.22		
100	QPSK	1	271	22.32	22.62	22.49		
100	QPSK	135	0	22.39	22.53	22.48	23.0	1.0
100	QPSK	135	69	22.42	22.58	22.46	24.0	0.0
100	QPSK	135	138	22.40	22.52	22.55	23.0	1.0
100	QPSK	270	0	22.64	22.74	22.46		
100	16QAM	1	1	22.44	22.68	22.40	23.0	1.0
100	64QAM	1	1	22.21	22.40	22.33	23.0	1.0
100	256QAM	1	1	20.85	20.84	20.67	22.0	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	22.54	22.60	22.28	24.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	22.44	22.58	22.29	24.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	22.53	22.57	22.25	24.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	22.52	22.55	22.28	24.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	22.46	22.53	22.34	24.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	22.51	22.56	22.33	24.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	22.50	22.55	22.36	24.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	22.50	22.54	22.33	24.0	0.0

n48 Part96 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	22.11	22.14	22.15	23.0	0.0
40	PI/2 BPSK	1	53	22.18	22.14	22.14		
40	PI/2 BPSK	1	104	22.15	22.20	22.09		
40	PI/2 BPSK	50	0	21.69	21.82	21.70	22.5	0.5
40	PI/2 BPSK	50	28	22.16	22.17	22.09	23.0	0.0
40	PI/2 BPSK	50	56	21.77	21.80	21.71	22.5	0.5
40	PI/2 BPSK	100	0	21.71	21.71	21.68		
40	QPSK	1	1	22.24	22.26	22.21	23.0	0.0
40	QPSK	1	53	22.14	22.18	22.14		
40	QPSK	1	104	22.13	22.12	22.05		
40	QPSK	50	0	21.14	21.20	21.11	22.0	1.0
40	QPSK	50	28	22.14	22.15	22.10	23.0	0.0
40	QPSK	50	56	21.14	21.13	21.09	22.0	1.0
40	QPSK	100	0	21.12	21.19	21.13		
40	16QAM	1	1	21.17	21.12	21.11	22.0	1.0
40	64QAM	1	1	19.69	19.74	19.66	20.5	2.5
40	256QAM	1	1	17.75	17.75	17.69	18.5	4.5
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	22.09	22.15	22.08	23.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	22.17	22.10	22.10	23.0	0.0

Part270 n77 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.14	23.31	23.22		
100	PI/2 BPSK	1	137	23.14	23.20	23.12	24.0	0.0
100	PI/2 BPSK	1	271	23.13	23.20	23.03		
100	PI/2 BPSK	135	0	22.58	22.65	22.55	23.5	0.5
100	PI/2 BPSK	135	69	23.13	23.29	23.09	24.0	0.0
100	PI/2 BPSK	135	138	22.54	22.57	22.44	23.5	0.5
100	PI/2 BPSK	270	0	22.55	22.67	22.51		
100	QPSK	1	1	23.23	23.33	23.16	24.0	0.0
100	QPSK	1	137	23.11	23.32	23.19		
100	QPSK	1	271	23.25	23.30	23.17		
100	QPSK	135	0	22.18	22.43	22.31	23.0	1.0
100	QPSK	135	69	23.02	23.09	22.96	24.0	0.0
100	QPSK	135	138	21.60	21.72	21.60	23.0	1.0
100	QPSK	270	0	22.58	22.60	22.53		
100	16QAM	1	1	23.08	23.26	23.10	24.0	0.0
100	64QAM	1	1	23.00	23.13	23.02	24.0	0.0
100	256QAM	1	1	21.19	21.43	21.26	22.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.21	23.32	23.11	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.18	23.28	23.13	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.25	23.35	23.19	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.21	23.32	23.18	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.28	23.32	23.19	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.20	23.36	23.09	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.24	23.34	23.18	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.16	23.32	23.21	24.0	0.0

Part270 n77 PC2 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.20	26.33	26.22	27.0	0.0
100	PI/2 BPSK	1	137	26.20	26.21	26.07		
100	PI/2 BPSK	1	271	26.14	26.15	26.03		
100	PI/2 BPSK	135	0	25.58	25.61	25.54	26.5	0.5
100	PI/2 BPSK	135	69	26.09	26.31	26.05	27.0	0.0
100	PI/2 BPSK	135	138	25.60	25.58	25.46	26.5	0.5
100	PI/2 BPSK	270	0	25.55	25.67	25.46		
100	QPSK	1	1	26.29	26.39	26.13	27.0	0.0
100	QPSK	1	137	26.14	26.37	26.21		
100	QPSK	1	271	26.24	26.26	26.13		
100	QPSK	135	0	25.15	25.37	25.35	26.0	1.0
100	QPSK	135	69	26.01	26.05	25.94	27.0	0.0
100	QPSK	135	138	24.64	24.73	24.63	26.0	1.0
100	QPSK	270	0	25.59	25.60	25.48		
100	16QAM	1	1	26.08	26.24	26.16	27.0	0.0
100	64QAM	1	1	22.15	22.20	22.13	24.0	3.0
100	256QAM	1	1	21.19	21.43	21.26	22.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	26.23	26.24	26.08	27.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	26.21	26.26	25.98	27.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	26.18	26.26	26.00	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	26.22	26.34	26.00	27.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	26.22	26.32	26.00	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	26.17	26.30	26.00	27.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	26.23	26.26	26.07	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	26.23	26.25	26.08	27.0	0.0

Part27Q n77 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		24.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.02			
100	PI/2 BPSK	1	137		22.98		24.0	0.0
100	PI/2 BPSK	1	271		23.05			
100	PI/2 BPSK	135	0		22.92			
100	PI/2 BPSK	135	69		22.98		24.0	0.0
100	PI/2 BPSK	135	138		22.96		24.0	0.0
100	PI/2 BPSK	270	0		22.99			
100	QPSK	1	1		23.09			
100	QPSK	1	137		23.00		24.0	0.0
100	QPSK	1	271		23.05			
100	QPSK	135	0		22.84			
100	QPSK	135	69		22.91		24.0	0.0
100	QPSK	135	138		22.87		24.0	0.0
100	QPSK	270	0		22.87			
100	16QAM	1	1		22.88			
100	64QAM	1	1		22.83		24.0	0.0
100	256QAM	1	1		21.05		22.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.95	23.00	22.93		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.88	22.97	22.96		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.92	22.98	22.90		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.89	23.04	22.88		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.89	23.03	22.90		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.84	23.04	22.96		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.89	22.96	22.96		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.89	23.02	22.90		

Part27Q n77 PC2 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		27.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.81		27.0	0.0
100	PI/2 BPSK	1	137		25.79			
100	PI/2 BPSK	1	271		25.78			
100	PI/2 BPSK	135	0		25.25		26.5	0.5
100	PI/2 BPSK	135	69		25.76		27.0	0.0
100	PI/2 BPSK	135	138		25.09		26.5	0.5
100	PI/2 BPSK	270	0		25.08			
100	QPSK	1	1		25.86		27.0	0.0
100	QPSK	1	137		25.84			
100	QPSK	1	271		25.76			
100	QPSK	135	0		24.87		26.0	1.0
100	QPSK	135	69		25.81		27.0	0.0
100	QPSK	135	138		24.73		26.0	1.0
100	QPSK	270	0		24.78			
100	16QAM	1	1		24.77		26.0	1.0
100	64QAM	1	1		23.14		24.5	2.5
100	256QAM	1	1		21.02		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.72	25.74	25.64	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.67	25.74	25.70	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.71	25.74	25.74	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.74	25.73	25.70	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.65	25.82	25.68	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.66	25.73	25.76	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.71	25.78	25.75	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.75	25.81	25.64	27.0	0.0

Part270 n78 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	24.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.20			
100	PI/2 BPSK	1	137		23.22		24.0	0.0
100	PI/2 BPSK	1	271		23.27			
100	PI/2 BPSK	135	0		23.07			
100	PI/2 BPSK	135	69		23.18		24.0	0.0
100	PI/2 BPSK	135	138		23.15		24.0	0.0
100	PI/2 BPSK	270	0		23.17			
100	QPSK	1	1		23.28			
100	QPSK	1	137		23.15		24.0	0.0
100	QPSK	1	271		23.21			
100	QPSK	135	0		23.05			
100	QPSK	135	69		23.16		24.0	0.0
100	QPSK	135	138		23.13		24.0	0.0
100	QPSK	270	0		23.01			
100	16QAM	1	1		23.12			
100	64QAM	1	1		23.02		24.0	0.0
100	256QAM	1	1		21.21		22.0	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.15	23.19	23.16	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.14	23.18	23.04	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.04	23.18	23.14	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.13	23.18	23.07	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.12	23.15	23.15	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.15	23.08	23.07	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.13	23.13	23.15	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.11	23.13	23.10	24.0	0.0

Part270 n78 PC2 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		26.37		27.0	0.0
100	PI/2 BPSK	1	137		26.27			
100	PI/2 BPSK	1	271		26.25			
100	PI/2 BPSK	135	0		25.76		26.5	0.5
100	PI/2 BPSK	135	69		26.27		27.0	0.0
100	PI/2 BPSK	135	138		25.59		26.5	0.5
100	PI/2 BPSK	270	0		25.57			
100	QPSK	1	1		26.39		27.0	0.0
100	QPSK	1	137		26.31			
100	QPSK	1	271		26.21			
100	QPSK	135	0		25.35		26.0	1.0
100	QPSK	135	69		26.26		27.0	0.0
100	QPSK	135	138		25.20		26.0	1.0
100	QPSK	270	0		25.30			
100	16QAM	1	1		25.23		26.0	1.0
100	64QAM	1	1		23.69		24.5	2.5
100	256QAM	1	1		21.50		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	26.21	26.30	26.18	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	26.14	26.20	26.16	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	26.12	26.24	26.06	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	26.15	26.29	26.15	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	26.13	26.23	26.07	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.19	26.25	26.08	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.10	26.29	26.16	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.21	26.23	26.13	27.0	0.0

Part27Q n78 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		24.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.55			
100	PI/2 BPSK	1	137		22.53		24.0	0.0
100	PI/2 BPSK	1	271		22.62			
100	PI/2 BPSK	135	0		22.39			
100	PI/2 BPSK	135	69		22.48		24.0	0.0
100	PI/2 BPSK	135	138		22.53		24.0	0.0
100	PI/2 BPSK	270	0		22.46			
100	QPSK	1	1		22.82			
100	QPSK	1	137		22.57		24.0	0.0
100	QPSK	1	271		22.61			
100	QPSK	135	0		22.31			
100	QPSK	135	69		22.41		24.0	0.0
100	QPSK	135	138		22.21		24.0	0.0
100	QPSK	270	0		22.25			
100	16QAM	1	1		22.38			
100	64QAM	1	1		22.38		24.0	0.0
100	256QAM	1	1		20.60		22.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.67	22.73	22.71		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.65	22.68	22.66		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.65	22.63	22.70		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.61	22.73	22.59		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.56	22.62	22.61		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.62	22.63	22.70		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.63	22.72	22.60		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.65	22.72	22.70		

Part27Q n78 PC2 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		27.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.28		27.0	0.0
100	PI/2 BPSK	1	137		25.30			
100	PI/2 BPSK	1	271		25.24			
100	PI/2 BPSK	135	0		24.72		26.5	0.5
100	PI/2 BPSK	135	69		25.21		27.0	0.0
100	PI/2 BPSK	135	138		24.57		26.5	0.5
100	PI/2 BPSK	270	0		24.55			
100	QPSK	1	1		25.84		27.0	0.0
100	QPSK	1	137		25.64			
100	QPSK	1	271		25.69			
100	QPSK	135	0		24.32		26.0	1.0
100	QPSK	135	69		25.24		27.0	0.0
100	QPSK	135	138		24.15		26.0	1.0
100	QPSK	270	0		24.23			
100	16QAM	1	1		24.27		26.0	1.0
100	64QAM	1	1		22.55		24.5	2.5
100	256QAM	1	1		20.95		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.65	25.73	25.61	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.54	25.59	25.55	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.52	25.68	25.52	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.57	25.68	25.47	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.54	25.63	25.50	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.49	25.57	25.47	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.54	25.59	25.50	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.56	25.64	25.56	27.0	0.0

Part96 n77 PC3 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	22.88	23.18	23.08		
100	PI/2 BPSK	1	137	22.96	22.97	22.99	24.0	0.0
100	PI/2 BPSK	1	271	22.91	23.02	22.79		
100	PI/2 BPSK	135	0	22.34	22.45	22.32	23.5	0.5
100	PI/2 BPSK	135	69	22.98	23.14	22.93	24.0	0.0
100	PI/2 BPSK	135	138	22.37	22.38	22.21	23.5	0.5
100	PI/2 BPSK	270	0	22.35	22.44	22.37		
100	QPSK	1	1	23.07	23.22	22.99	24.0	0.0
100	QPSK	1	137	22.88	23.19	22.97		
100	QPSK	1	271	23.08	23.05	22.91		
100	QPSK	135	0	21.99	22.28	22.11	23.0	1.0
100	QPSK	135	69	22.82	22.90	22.78	24.0	0.0
100	QPSK	135	138	21.41	21.54	21.39	23.0	1.0
100	QPSK	270	0	22.39	22.46	22.39		
100	16QAM	1	1	22.92	23.01	22.90	24.0	0.0
100	64QAM	1	1	22.77	22.96	22.87	24.0	0.0
100	256QAM	1	1	20.97	21.29	21.00	22.0	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	22.65	22.94	22.78	24.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	22.69	22.94	22.82	24.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	22.73	23.03	22.74	24.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	22.72	23.06	22.74	24.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	22.65	23.00	22.76	24.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	22.65	23.03	22.74	24.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	22.68	22.99	22.73	24.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	22.70	23.00	22.83	24.0	0.0

Part96 n78 PC3 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	24.0	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	22.75	22.81	22.91		
100	PI/2 BPSK	1	137	22.72	22.77	22.80	23.5	0.5
100	PI/2 BPSK	1	271	22.68	22.87	22.61		
100	PI/2 BPSK	135	0	22.12	22.22	22.11		
100	PI/2 BPSK	135	69	22.79	22.90	22.78	23.5	0.5
100	PI/2 BPSK	135	138	22.15	22.17	22.02		
100	PI/2 BPSK	270	0	22.16	22.29	22.23		
100	QPSK	1	1	22.87	22.92	22.79	24.0	0.0
100	QPSK	1	137	22.68	22.81	22.72		
100	QPSK	1	271	22.83	22.91	22.70		
100	QPSK	135	0	21.81	22.05	21.91	23.0	1.0
100	QPSK	135	69	22.69	22.73	22.64	24.0	0.0
100	QPSK	135	138	21.17	21.40	21.20	23.0	1.0
100	QPSK	270	0	22.18	22.22	22.21		
100	16QAM	1	1	22.72	22.75	22.65	24.0	0.0
100	64QAM	1	1	22.56	22.77	22.72	24.0	0.0
100	256QAM	1	1	20.75	21.16	20.74	22.0	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	22.49	22.84	22.53	24.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	22.46	22.85	22.48	24.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	22.47	22.79	22.54	24.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	22.54	22.90	22.54	24.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	22.46	22.89	22.52	24.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	22.49	22.83	22.57	24.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	22.53	22.91	22.48	24.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	22.54	22.90	22.49	24.0	0.0

n25 Ant5 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	24.22	24.20	24.17	25.0	0.0
40	PI/2 BPSK	1	108	24.24	24.31	24.16		
40	PI/2 BPSK	1	214	24.27	24.30	24.24		
40	PI/2 BPSK	108	0	23.66	23.67	23.62	24.5	0.5
40	PI/2 BPSK	108	54	24.10	24.14	24.16	25.0	0.0
40	PI/2 BPSK	108	108	23.75	23.74	23.76	24.5	0.5
40	PI/2 BPSK	216	0	23.69	23.72	23.64		
40	QPSK	1	1	24.32	24.45	24.42	25.0	0.0
40	QPSK	1	108	23.99	24.16	24.06		
40	QPSK	1	214	24.16	24.21	24.00		
40	QPSK	108	0	23.18	23.24	23.18	24.0	1.0
40	QPSK	108	54	23.97	24.39	23.98	25.0	0.0
40	QPSK	108	108	23.14	23.25	23.18	24.0	1.0
40	QPSK	216	0	23.13	23.21	23.16		
40	16QAM	1	1	23.50	23.54	23.43	24.0	1.0
40	64QAM	1	1	21.76	21.88	21.69	22.5	2.5
40	256QAM	1	1	19.69	19.71	19.55	20.5	4.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	24.20	24.31	24.31	25.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	24.23	24.37	24.40	25.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	24.26	24.31	24.29	25.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	24.28	24.36	24.28	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	24.24	24.32	24.39	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	24.20	24.32	24.35	25.0	0.0

n66 Ant5 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	24.18	24.12	24.04	25.0	0.0
40	PI/2 BPSK	1	108	24.11	24.25	24.08		
40	PI/2 BPSK	1	214	24.12	24.22	24.13		
40	PI/2 BPSK	108	0	23.55	23.57	23.56	24.5	0.5
40	PI/2 BPSK	108	54	24.04	24.01	24.04	25.0	0.0
40	PI/2 BPSK	108	108	23.62	23.67	23.72	24.5	0.5
40	PI/2 BPSK	216	0	23.60	23.65	23.52		
40	QPSK	1	1	24.25	24.36	24.21	25.0	0.0
40	QPSK	1	108	23.90	24.07	23.99		
40	QPSK	1	214	24.01	24.16	23.90		
40	QPSK	108	0	23.12	23.13	23.04	24.0	1.0
40	QPSK	108	54	23.90	24.26	23.90	25.0	0.0
40	QPSK	108	108	23.05	23.13	23.12	24.0	1.0
40	QPSK	216	0	23.04	23.07	23.03		
40	16QAM	1	1	23.36	23.45	23.37	24.0	1.0
40	64QAM	1	1	21.63	21.83	21.54	22.5	2.5
40	256QAM	1	1	19.58	19.65	19.39	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.13	24.26	24.14	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.19	24.32	24.09	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.20	24.22	24.10	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.23	24.25	24.18	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.19	24.25	24.17	25.0	0.0

n41 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.75	21.86	21.61		
100	PI/2 BPSK	1	137	21.80	21.89	21.70	23.0	0.0
100	PI/2 BPSK	1	271	21.75	21.89	21.63		
100	PI/2 BPSK	135	0	21.35	21.43	21.28	22.5	0.5
100	PI/2 BPSK	135	69	21.79	21.82	21.70	23.0	0.0
100	PI/2 BPSK	135	138	21.30	21.42	21.33	22.5	0.5
100	PI/2 BPSK	270	0	21.38	21.46	21.33		
100	QPSK	1	1	21.85	21.97	21.77	23.0	0.0
100	QPSK	1	137	21.76	21.85	21.70		
100	QPSK	1	271	21.60	21.74	21.56		
100	QPSK	135	0	21.64	21.77	21.62	22.0	1.0
100	QPSK	135	69	21.68	21.80	21.62	23.0	0.0
100	QPSK	135	138	21.48	21.60	21.39	22.0	1.0
100	QPSK	270	0	21.65	21.75	21.52		
100	16QAM	1	1	21.61	21.75	21.49	22.0	1.0
100	64QAM	1	1	21.54	21.68	21.53	22.0	1.0
100	256QAM	1	1	20.08	20.15	19.97	21.0	2.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.76	21.91	21.71	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.78	21.92	21.64	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.75	21.91	21.70	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.76	21.90	21.70	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.79	21.90	21.71	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.72	21.91	21.69	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.74	21.82	21.69	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.77	21.85	21.72	23.0	0.0

n41 PC2 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.63	23.69	23.46		
100	PI/2 BPSK	1	137	23.60	23.72	23.48	25.0	0.0
100	PI/2 BPSK	1	271	23.58	23.76	23.44		
100	PI/2 BPSK	135	0	23.13	23.22	23.12	24.5	0.5
100	PI/2 BPSK	135	69	23.66	23.66	23.55	25.0	0.0
100	PI/2 BPSK	135	138	23.08	23.24	23.14	24.5	0.5
100	PI/2 BPSK	270	0	23.14	23.32	23.11		
100	QPSK	1	1	23.71	23.83	23.59	25.0	0.0
100	QPSK	1	137	23.55	23.72	23.58		
100	QPSK	1	271	23.36	23.52	23.36		
100	QPSK	135	0	23.50	23.54	23.48	24.0	1.0
100	QPSK	135	69	23.56	23.66	23.45	25.0	0.0
100	QPSK	135	138	23.35	23.41	23.24	24.0	1.0
100	QPSK	270	0	23.47	23.58	23.35		
100	16QAM	1	1	23.42	23.62	23.27	24.0	1.0
100	64QAM	1	1	21.83	21.93	21.88	22.5	2.5
100	256QAM	1	1	20.11	20.19	20.06	20.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.66	23.71	23.55	25.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.56	23.70	23.46	25.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.59	23.77	23.44	25.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.57	23.79	23.43	25.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.63	23.79	23.45	25.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.60	23.72	23.46	25.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.61	23.68	23.54	25.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.61	23.75	23.52	25.0	0.0

n41 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.03	22.18	22.12	23.0	0.0
100	PI/2 BPSK	1	137	22.06	22.18	22.02		
100	PI/2 BPSK	1	271	22.08	22.16	22.13		
100	PI/2 BPSK	135	0	21.49	21.66	21.61	23.0	0.0
100	PI/2 BPSK	135	69	21.92	22.12	22.03	23.0	0.0
100	PI/2 BPSK	135	138	21.49	21.61	21.70	23.0	0.0
100	PI/2 BPSK	270	0	21.59	21.68	21.64		
100	QPSK	1	1	22.07	22.20	22.13	23.0	0.0
100	QPSK	1	137	22.04	22.13	22.09		
100	QPSK	1	271	22.07	22.12	21.98		
100	QPSK	135	0	21.70	21.76	21.80	23.0	0.0
100	QPSK	135	69	21.80	21.88	21.83	23.0	0.0
100	QPSK	135	138	21.76	21.80	21.68	23.0	0.0
100	QPSK	270	0	21.76	21.86	21.83		
100	16QAM	1	1	21.71	21.86	21.79	23.0	0.0
100	64QAM	1	1	21.95	22.06	21.89	23.0	0.0
100	256QAM	1	1	20.64	20.66	20.59	22.0	1.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.03	22.14	22.03	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.01	22.07	22.08	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.95	22.10	22.02	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.94	22.05	22.06	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.93	22.08	22.00	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.94	22.14	22.03	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.92	22.07	22.06	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.95	22.07	22.01	23.0	0.0

n41 PC2 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	25.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.94	24.15	24.04		
100	PI/2 BPSK	1	137	23.98	24.16	24.02	24.5	0.5
100	PI/2 BPSK	1	271	24.00	24.10	24.06		
100	PI/2 BPSK	135	0	23.51	23.67	23.56		
100	PI/2 BPSK	135	69	23.98	24.16	24.02	24.5	0.5
100	PI/2 BPSK	135	138	23.50	23.69	23.60		
100	PI/2 BPSK	270	0	23.58	23.67	23.66		
100	QPSK	1	1	24.06	24.17	24.10	25.0	0.0
100	QPSK	1	137	23.97	24.12	24.00		
100	QPSK	1	271	23.94	24.10	24.06		
100	QPSK	135	0	23.01	23.17	23.11	24.0	1.0
100	QPSK	135	69	23.95	24.16	24.00	25.0	0.0
100	QPSK	135	138	23.09	23.22	23.07	24.0	1.0
100	QPSK	270	0	23.00	23.19	23.12		
100	16QAM	1	1	22.36	22.52	22.46	24.0	1.0
100	64QAM	1	1	22.03	22.13	21.98	22.5	2.5
100	256QAM	1	1	20.11	20.16	20.13	20.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.02	24.08	24.01	25.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.05	24.06	24.04	25.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.00	24.14	24.00	25.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.98	24.09	24.04	25.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.99	24.06	24.05	25.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.98	24.13	24.08	25.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.03	24.09	23.99	25.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		

20	QPSK	1	1	24.00	24.16	24.08	25.0	0.0

Part270 n77 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.24	21.29	21.23	23.0	0.0
100	PI/2 BPSK	1	137	21.20	21.24	21.21		
100	PI/2 BPSK	1	271	21.16	21.29	21.18		
100	PI/2 BPSK	135	0	20.82	20.88	20.77	22.5	0.5
100	PI/2 BPSK	135	69	21.47	21.55	21.52	23.0	0.0
100	PI/2 BPSK	135	138	20.70	20.79	20.69	22.5	0.5
100	PI/2 BPSK	270	0	21.42	21.51	21.38		
100	QPSK	1	1	21.60	21.72	21.71	23.0	0.0
100	QPSK	1	137	21.13	21.23	21.15		
100	QPSK	1	271	21.24	21.30	21.27		
100	QPSK	135	0	21.45	21.54	21.47	23.0	0.0
100	QPSK	135	69	21.56	21.61	21.48	23.0	0.0
100	QPSK	135	138	21.54	21.57	21.55	23.0	0.0
100	QPSK	270	0	21.52	21.62	21.53		
100	16QAM	1	1	21.28	21.35	21.22	23.0	0.0
100	64QAM	1	1	21.28	21.35	21.26	23.0	0.0
100	256QAM	1	1	19.96	20.02	19.90	21.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.53	21.67	21.65	23.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.50	21.58	21.59	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.51	21.61	21.61	23.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.51	21.58	21.67	23.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.48	21.63	21.66	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.46	21.65	21.65	23.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.50	21.67	21.62	23.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR

Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	21.52	21.63	21.63	23.0	0.0

Part270 n77 PC2 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	24.78	24.93	24.76		
100	PI/2 BPSK	1	137	24.84	24.95	24.82	26.0	0.0
100	PI/2 BPSK	1	271	24.80	24.89	24.73		
100	PI/2 BPSK	135	0	24.45	24.52	24.42	25.5	0.5
100	PI/2 BPSK	135	69	24.52	24.65	24.59	26.0	0.0
100	PI/2 BPSK	135	138	24.34	24.51	24.39		
100	PI/2 BPSK	270	0	23.49	23.58	23.47	25.5	0.5
100	QPSK	1	1	24.85	24.99	24.85		
100	QPSK	1	137	24.89	24.96	24.90	26.0	0.0
100	QPSK	1	271	24.82	24.89	24.82		
100	QPSK	135	0	23.51	23.63	23.49	25.0	1.0
100	QPSK	135	69	24.77	24.89	24.75	26.0	0.0
100	QPSK	135	138	23.48	23.61	23.53		
100	QPSK	270	0	23.59	23.69	23.54	25.0	1.0
100	16QAM	1	1	23.31	23.39	23.23	25.0	1.0
100	64QAM	1	1	21.86	21.94	21.81	23.5	2.5
100	256QAM	1	1	20.07	20.13	19.99	21.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.69	24.85	24.74	26.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.80	24.92	24.71	26.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	24.77	24.89	24.71	26.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.71	24.94	24.76	26.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.75	24.87	24.76	26.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.71	24.85	24.76	26.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	24.79	24.86	24.75	26.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR

Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	24.74	24.85	24.73	26.0	0.0

Part27Q n77 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.61			
100	PI/2 BPSK	1	137		21.51		22.5	0.5
100	PI/2 BPSK	1	271		21.61			
100	PI/2 BPSK	135	0		21.23			
100	PI/2 BPSK	135	69		21.81		22.5	0.5
100	PI/2 BPSK	135	138		21.06			
100	PI/2 BPSK	270	0		21.79			
100	QPSK	1	1		22.04		23.0	0.0
100	QPSK	1	137		21.55			
100	QPSK	1	271		21.65			
100	QPSK	135	0		21.87		22.0	1.0
100	QPSK	135	69		21.95			
100	QPSK	135	138		21.92			
100	QPSK	270	0		21.96		22.0	1.0
100	16QAM	1	1		21.71			
100	64QAM	1	1		21.70			
100	256QAM	1	1		20.33		21.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.92	21.89	21.91		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.87	21.99	21.82		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.88	21.91	21.90		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.90	21.98	21.90		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.82	22.00	21.82		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.84	21.99	21.91		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.94	21.93	21.89		
Channel				630668	633334	636000	Tune-up limit	MPR

Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	21.82	21.92	21.87	23.0	0.0

Part27Q n77 PC2 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		26.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		24.37			
100	PI/2 BPSK	1	137		24.31		25.5	0.5
100	PI/2 BPSK	1	271		24.29			
100	PI/2 BPSK	135	0		23.89			
100	PI/2 BPSK	135	69		24.11		26.0	0.0
100	PI/2 BPSK	135	138		23.92		25.5	0.5
100	PI/2 BPSK	270	0		23.60			
100	QPSK	1	1		24.41			
100	QPSK	1	137		24.33		26.0	0.0
100	QPSK	1	271		24.27			
100	QPSK	135	0		23.11			
100	QPSK	135	69		24.31		26.0	0.0
100	QPSK	135	138		23.04		25.0	1.0
100	QPSK	270	0		23.11			
100	16QAM	1	1		23.10			
100	64QAM	1	1		21.54		23.5	2.5
100	256QAM	1	1		19.52		21.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.19	24.27	24.29		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.20	24.37	24.28		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.16	24.26	24.26		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.22	24.33	24.28		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.16	24.28	24.24		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.22	24.27	24.27		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.26	24.30	24.23		
Channel				630668	633334	636000	Tune-up limit	MPR

Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	24.20	24.35	24.27	26.0	0.0

Part270 n78 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.53			
100	PI/2 BPSK	1	137		21.45		23.0	0.0
100	PI/2 BPSK	1	271		21.48			
100	PI/2 BPSK	135	0		21.17		22.5	0.5
100	PI/2 BPSK	135	69		21.76		23.0	0.0
100	PI/2 BPSK	135	138		21.00		22.5	0.5
100	PI/2 BPSK	270	0		21.67			
100	QPSK	1	1		21.89			
100	QPSK	1	137		21.47		23.0	0.0
100	QPSK	1	271		21.60			
100	QPSK	135	0		21.74		23.0	0.0
100	QPSK	135	69		21.77		23.0	0.0
100	QPSK	135	138		21.76		23.0	0.0
100	QPSK	270	0		21.71			
100	16QAM	1	1		21.63		23.0	0.0
100	64QAM	1	1		21.66		23.0	0.0
100	256QAM	1	1		20.17		21.0	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.86	21.82	21.79	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.76	21.83	21.82	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.81	21.80	21.82	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.82	21.75	21.77	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.87	21.75	21.78	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.77	21.77	21.79	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.86	21.83	21.75	23.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR

Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	21.88	21.76	21.83	23.0	0.0

Part270 n78 PC2 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		24.53			
100	PI/2 BPSK	1	137		24.40		26.0	0.0
100	PI/2 BPSK	1	271		24.36			
100	PI/2 BPSK	135	0		23.99		25.5	0.5
100	PI/2 BPSK	135	69		24.24		26.0	0.0
100	PI/2 BPSK	135	138		24.03		24.5	1.5
100	PI/2 BPSK	270	0		23.06			
100	QPSK	1	1		24.53			
100	QPSK	1	137		24.49		26.0	0.0
100	QPSK	1	271		24.36			
100	QPSK	135	0		23.12		25.0	1.0
100	QPSK	135	69		24.43		26.0	0.0
100	QPSK	135	138		23.19		25.0	1.0
100	QPSK	270	0		23.27			
100	16QAM	1	1		22.84		24.0	2.0
100	64QAM	1	1		21.44		23.0	3.0
100	256QAM	1	1		19.58		21.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	24.33	24.44	24.39	26.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	24.29	24.40	24.45	26.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	24.29	24.42	24.44	26.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	24.24	24.33	24.46	26.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	24.32	24.41	24.44	26.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	24.31	24.37	24.37	26.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	24.34	24.32	24.43	26.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR

Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	24.25	24.41	24.37	26.0	0.0

Part27Q n78 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.46			
100	PI/2 BPSK	1	137		21.34		22.5	0.5
100	PI/2 BPSK	1	271		21.37			
100	PI/2 BPSK	135	0		21.11			
100	PI/2 BPSK	135	69		21.64		23.0	0.0
100	PI/2 BPSK	135	138		20.90		22.5	0.5
100	PI/2 BPSK	270	0		21.61			
100	QPSK	1	1		21.83			
100	QPSK	1	137		21.35		23.0	0.0
100	QPSK	1	271		21.47			
100	QPSK	135	0		21.66			
100	QPSK	135	69		21.61		23.0	0.0
100	QPSK	135	138		21.67		22.0	1.0
100	QPSK	270	0		21.58			
100	16QAM	1	1		21.48			
100	64QAM	1	1		21.54		22.0	1.0
100	256QAM	1	1		20.02		21.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.78	21.73	21.68		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.77	21.72	21.66		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.79	21.68	21.65		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.71	21.71	21.71		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.78	21.70	21.65		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.73	21.68	21.65		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.76	21.72	21.64		
Channel				630668	633334	636000	Tune-up limit	MPR

Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	21.71	21.68	21.73	23.0	0.0

Part27Q n78 PC2 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		26.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		24.40			
100	PI/2 BPSK	1	137		24.34		25.5	0.5
100	PI/2 BPSK	1	271		24.28			
100	PI/2 BPSK	135	0		23.85			
100	PI/2 BPSK	135	69		24.12		24.0	2.0
100	PI/2 BPSK	135	138		23.97			
100	PI/2 BPSK	270	0		22.97			
100	QPSK	1	1		24.42		26.0	0.0
100	QPSK	1	137		24.35			
100	QPSK	1	271		24.27			
100	QPSK	135	0		23.05		25.0	1.0
100	QPSK	135	69		24.33			
100	QPSK	135	138		23.11			
100	QPSK	270	0		23.16		24.5	1.5
100	16QAM	1	1		22.70			
100	64QAM	1	1		21.36			
100	256QAM	1	1		19.48		21.0	5.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.17	24.30	24.30	26.0	0.0
Channel				632668	633334	634000	26.0	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.17	24.38	24.27		
Channel				632334	633334	634334	26.0	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.18	24.39	24.24		
Channel				632000	633334	634668	26.0	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.17	24.34	24.24		
Channel				631668	633334	635000	26.0	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.27	24.34	24.28		
Channel				631334	633334	635334	26.0	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.27	24.28	24.26		
Channel				631000	633334	635668	26.0	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.25	24.39	24.29		

Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.23	24.38	24.27	26.0	0.0

Part96 n77 PC3 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.05	21.05	21.06	23.0	0.0
100	PI/2 BPSK	1	137	21.05	21.05	21.04		
100	PI/2 BPSK	1	271	21.06	21.08	21.01		
100	PI/2 BPSK	135	0	20.58	20.63	20.52	22.5	0.5
100	PI/2 BPSK	135	69	21.26	21.36	21.27	23.0	0.0
100	PI/2 BPSK	135	138	20.54	20.63	20.54	22.5	0.5
100	PI/2 BPSK	270	0	21.25	21.37	21.20		
100	QPSK	1	1	21.47	21.51	21.49	23.0	0.0
100	QPSK	1	137	21.11	21.08	21.15		
100	QPSK	1	271	21.06	21.10	21.02		
100	QPSK	135	0	21.30	21.35	21.25	23.0	0.0
100	QPSK	135	69	21.34	21.38	21.30	23.0	0.0
100	QPSK	135	138	21.33	21.34	21.34	23.0	0.0
100	QPSK	270	0	21.32	21.45	21.40		
100	16QAM	1	1	21.10	21.09	21.15	23.0	0.0
100	64QAM	1	1	21.10	21.10	21.13	23.0	0.0
100	256QAM	1	1	19.78	19.78	19.65	21.0	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.24	21.31	21.28	23.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.29	21.36	21.28	23.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.22	21.26	21.28	23.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.21	21.25	21.30	23.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.23	21.32	21.25	23.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	21.28	21.35	21.34	23.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.29	21.38	21.29	23.0	0.0

Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.24	21.36	21.36	23.0	0.0

Part96 n78 PC3 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98	23.0	0.0
100	PI/2 BPSK	1	1	20.83	20.83	20.84		
100	PI/2 BPSK	1	137	20.79	20.82	20.83		
100	PI/2 BPSK	1	271	20.80	20.84	20.80	22.5	0.5
100	PI/2 BPSK	135	0	20.38	20.44	20.34		
100	PI/2 BPSK	135	69	21.07	21.22	21.04		
100	PI/2 BPSK	135	138	20.35	20.43	20.40	22.5	0.5
100	PI/2 BPSK	270	0	21.07	21.12	20.98		
100	QPSK	1	1	21.34	21.36	21.23	23.0	0.0
100	QPSK	1	137	20.64	20.94	20.68		
100	QPSK	1	271	20.88	20.95	20.84		
100	QPSK	135	0	21.17	21.16	21.06	23.0	0.0
100	QPSK	135	69	21.17	21.25	21.17	23.0	0.0
100	QPSK	135	138	21.14	21.21	21.12	23.0	0.0
100	QPSK	270	0	21.09	21.20	21.14		
100	16QAM	1	1	20.94	20.89	20.80	23.0	0.0
100	64QAM	1	1	21.15	21.19	21.17	23.0	0.0
100	256QAM	1	1	19.58	19.58	19.41	21.0	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.31	21.28	21.13	23.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.27	21.30	21.14	23.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.27	21.24	21.18	23.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.21	21.26	21.12	23.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.31	21.27	21.10	23.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	21.20	21.23	21.10	23.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.31	21.28	21.12	23.0	0.0

Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.31	21.21	21.20	23.0	0.0

Reduced Power Mode for DSI 0

n5 Ant0 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.54	23.59	23.48	25.0	0.0
20	PI/2 BPSK	1	53	23.36	23.53	23.49		
20	PI/2 BPSK	1	104	23.39	23.48	23.45		
20	PI/2 BPSK	50	0	23.13	23.25	23.20	24.5	0.5
20	PI/2 BPSK	50	28	23.44	23.61	23.53	25.0	0.0
20	PI/2 BPSK	50	56	23.13	23.22	23.05	24.5	0.5
20	PI/2 BPSK	100	0	23.20	23.27	23.17		
20	QPSK	1	1	23.62	23.69	23.66	25.0	0.0
20	QPSK	1	53	23.63	23.61	23.61		
20	QPSK	1	104	23.65	23.68	23.62		
20	QPSK	50	0	22.67	22.74	22.71	24.0	1.0
20	QPSK	50	28	23.59	23.63	23.62	25.0	0.0
20	QPSK	50	56	22.50	22.68	22.63	24.0	1.0
20	QPSK	100	0	22.74	22.82	22.78		
20	16QAM	1	1	22.72	22.79	22.70	24.0	1.0
20	64QAM	1	1	20.77	20.88	20.83	22.5	2.5
20	256QAM	1	1	18.96	18.99	18.84	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.58	23.61	23.55	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.67	23.65	23.64	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.57	23.65	23.50	25.0	0.0

n12 Ant0 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.60	23.75	23.66	25.0	0.0
15	PI/2 BPSK	1	40	23.55	23.65	23.49		
15	PI/2 BPSK	1	77	23.65	23.69	23.55		
15	PI/2 BPSK	36	0	23.18	23.28	23.10	24.5	0.5
15	PI/2 BPSK	36	22	23.51	23.54	23.40	25.0	0.0
15	PI/2 BPSK	36	43	23.12	23.18	23.03	24.5	0.5
15	PI/2 BPSK	75	0	23.10	23.21	23.09		
15	QPSK	1	1	23.74	23.79	23.77	25.0	0.0
15	QPSK	1	40	23.58	23.75	23.62		
15	QPSK	1	77	23.72	23.78	23.74		
15	QPSK	36	0	22.82	22.87	22.80	24.0	1.0
15	QPSK	36	22	23.53	23.67	23.59	25.0	0.0
15	QPSK	36	43	22.75	22.78	22.65	24.0	1.0
15	QPSK	75	0	22.68	22.75	22.69		
15	16QAM	1	1	22.75	22.91	22.82	24.0	1.0
15	64QAM	1	1	20.93	20.96	20.92	22.5	2.5
	256QAM	1	1	19.02	19.13	18.96	20.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.63	23.63	23.74	25.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.68	23.74	23.62	25.0	0.0

n13 Ant0 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		23.67		25.0	0.0
10	PI/2 BPSK	1	26		23.63			
10	PI/2 BPSK	1	50		23.67			
10	PI/2 BPSK	25	0		23.18		24.5	0.5
10	PI/2 BPSK	25	14		23.65		25.0	0.0
10	PI/2 BPSK	25	27		23.14		24.5	0.5
10	PI/2 BPSK	50	0		23.15			
10	QPSK	1	1		23.72		25.0	0.0
10	QPSK	1	26		23.68			
10	QPSK	1	50		23.60			
10	QPSK	25	0		22.59		24.0	1.0
10	QPSK	25	14		23.55		25.0	0.0
10	QPSK	25	27		22.64		24.0	1.0
10	QPSK	50	0		22.62			
10	16QAM	1	1		22.79		24.0	1.0
10	64QAM	1	1		20.88		22.5	2.5
10	256QAM	1	1		18.97		20.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.53	23.66	23.60	25.0	0.0

n14 Ant0 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.60		25.0	0.0
10	PI/2 BPSK	1	26		23.60			
10	PI/2 BPSK	1	50		23.57			
10	PI/2 BPSK	25	0		22.75		24.5	0.5
10	PI/2 BPSK	25	14		23.53		25.0	0.0
10	PI/2 BPSK	25	27		22.69		24.5	0.5
10	PI/2 BPSK	50	0		22.70			
10	QPSK	1	1		23.69		25.0	0.0
10	QPSK	1	26		23.67			
10	QPSK	1	50		23.58			
10	QPSK	25	0		22.60		24.0	1.0
10	QPSK	25	14		23.51		25.0	0.0
10	QPSK	25	27		22.61		24.0	1.0
10	QPSK	50	0		22.53			
10	16QAM	1	1		22.68		24.0	1.0
10	64QAM	1	1		20.80		22.5	2.5
10	256QAM	1	1		18.97		20.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.44	23.58	23.36		

n26 Ant0 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	23.46	23.50	23.43	25.0	0.0
20	PI/2 BPSK	1	53	23.49	23.61	23.56		
20	PI/2 BPSK	1	104	23.52	23.61	23.54		
20	PI/2 BPSK	50	0	22.56	22.70	22.58	24.5	0.5
20	PI/2 BPSK	50	28	23.33	23.48	23.39	25.0	0.0
20	PI/2 BPSK	50	56	22.74	22.84	22.66	24.5	0.5
20	PI/2 BPSK	100	0	22.74	22.81	22.70		
20	QPSK	1	1	23.57	23.73	23.55	25.0	0.0
20	QPSK	1	53	23.43	23.47	23.35		
20	QPSK	1	104	23.46	23.49	23.42		
20	QPSK	50	0	22.60	22.62	22.51	24.0	1.0
20	QPSK	50	28	23.35	23.46	23.30	25.0	0.0
20	QPSK	50	56	22.54	22.57	22.43	24.0	1.0
20	QPSK	100	0	22.53	22.66	22.55		
20	16QAM	1	1	22.63	22.80	22.67	24.0	1.0
20	64QAM	1	1	20.76	20.86	20.79	22.5	2.5
20	256QAM	1	1	18.86	19.00	18.97	20.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.44	23.49	23.41	25.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.49	23.54	23.50	25.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.47	23.51	23.52	25.0	0.0

n71 Ant0 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.47	22.59	22.51	24.0	0.0
20	PI/2 BPSK	1	53	22.52	22.57	22.45		
20	PI/2 BPSK	1	104	22.41	22.58	22.56		
20	PI/2 BPSK	50	0	22.07	22.13	22.01	23.5	0.5
20	PI/2 BPSK	50	28	22.38	22.51	22.46	24.0	0.0
20	PI/2 BPSK	50	56	21.95	22.03	21.99	23.5	0.5
20	PI/2 BPSK	100	0	21.93	22.06	22.02		
20	QPSK	1	1	22.60	22.65	22.61	24.0	0.0
20	QPSK	1	53	22.40	22.57	22.50		
20	QPSK	1	104	22.48	22.62	22.58		
20	QPSK	50	0	21.47	21.55	21.48	23.0	1.0
20	QPSK	50	28	22.36	22.48	22.34	24.0	0.0
20	QPSK	50	56	21.44	21.57	21.40	23.0	1.0
20	QPSK	100	0	21.36	21.47	21.37		
20	16QAM	1	1	21.62	21.65	21.58	23.0	1.0
20	64QAM	1	1	19.65	19.79	19.70	21.5	2.5
20	256QAM	1	1	17.62	17.76	17.66	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.57	22.55	22.45	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.53	22.57	22.58	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.48	22.53	22.59	24.0	0.0

n41 PC2&PC3 Ant0 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.15	21.08	21.04	22.0	0.0
100	PI/2 BPSK	1	137	20.95	21.04	20.88		
100	PI/2 BPSK	1	271	20.96	21.04	20.84		
100	PI/2 BPSK	135	0	21.14	21.11	20.93	22.0	0.0
100	PI/2 BPSK	135	69	20.91	20.98	20.91	22.0	0.0
100	PI/2 BPSK	135	138	20.91	20.99	20.87	22.0	0.0
100	PI/2 BPSK	270	0	20.89	21.01	20.90		
100	QPSK	1	1	21.13	21.21	21.12	22.0	0.0
100	QPSK	1	137	21.03	21.11	21.09		
100	QPSK	1	271	20.96	21.11	21.06		
100	QPSK	135	0	20.74	20.85	20.77	22.0	0.0
100	QPSK	135	69	21.01	21.12	20.98	22.0	0.0
100	QPSK	135	138	20.81	20.92	20.81	22.0	0.0
100	QPSK	270	0	20.76	20.90	20.79		
100	16QAM	1	1	20.86	20.95	20.91	22.0	0.0
100	64QAM	1	1	20.86	20.90	20.80	22.0	0.0
100	256QAM	1	1	20.88	20.95	20.91	21.5	0.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.04	21.17	21.08	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.08	21.14	21.18	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.00	21.09	21.13	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.97	21.11	21.09	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.02	21.17	21.16	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.02	21.17	21.12	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.06	21.15	21.07	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.99	21.10	21.14	22.0	0.0

n2 Ant2 DS10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.01	22.03	21.89	23.2	0.0
20	PI/2 BPSK	1	53	21.91	21.98	21.72		
20	PI/2 BPSK	1	104	21.86	21.89	21.63		
20	PI/2 BPSK	50	0	22.01	22.07	21.81	23.2	0.0
20	PI/2 BPSK	50	28	21.79	21.85	21.85	23.2	0.0
20	PI/2 BPSK	50	56	21.78	21.94	21.72	23.2	0.0
20	PI/2 BPSK	100	0	21.81	21.88	21.85		
20	QPSK	1	1	22.08	22.20	22.13	23.2	0.0
20	QPSK	1	53	21.91	22.14	21.95		
20	QPSK	1	104	21.98	22.05	21.87		
20	QPSK	50	0	21.64	21.69	21.78	23.2	0.0
20	QPSK	50	28	21.87	21.96	21.89	23.2	0.0
20	QPSK	50	56	21.70	21.81	21.64	23.2	0.0
20	QPSK	100	0	21.63	21.89	21.71		
20	16QAM	1	1	21.77	21.88	21.79	23.2	0.0
20	64QAM	1	1	20.91	21.11	20.92	22.5	0.7
20	256QAM	1	1	18.87	18.85	18.64	20.5	2.7
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.00	22.05	22.15	23.2	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	21.97	22.13	22.12	23.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	21.92	22.07	22.09	23.2	0.0

n25 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	22.06	22.18	22.04	23.2	0.0
40	PI/2 BPSK	1	108	21.99	22.06	21.87		
40	PI/2 BPSK	1	214	21.95	21.98	21.78		
40	PI/2 BPSK	108	0	22.11	22.11	21.90	23.2	0.0
40	PI/2 BPSK	108	54	21.93	21.97	21.95	23.2	0.0
40	PI/2 BPSK	108	108	21.84	21.98	21.85	23.2	0.0
40	PI/2 BPSK	216	0	21.90	22.01	21.93		
40	QPSK	1	1	22.17	22.26	22.25	23.2	0.0
40	QPSK	1	108	21.99	22.19	22.04		
40	QPSK	1	214	22.03	22.12	21.98		
40	QPSK	108	0	21.77	21.83	21.86	23.2	0.0
40	QPSK	108	54	21.98	22.11	21.96	23.2	0.0
40	QPSK	108	108	21.84	21.96	21.77	23.2	0.0
40	QPSK	216	0	21.71	21.86	21.82		
40	16QAM	1	1	21.85	21.94	21.84	23.2	0.0
40	64QAM	1	1	21.05	21.16	20.98	22.5	0.7
40	256QAM	1	1	18.91	18.95	18.77	20.5	2.7
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	22.03	22.11	22.15	23.2	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	22.09	22.11	22.10	23.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	22.02	22.16	22.18	23.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	22.06	22.17	22.17	23.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	22.06	22.13	22.17	23.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	22.09	22.22	22.11	23.2	0.0

n66 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.63	22.63	22.54	23.6	0.0
40	PI/2 BPSK	1	108	22.45	22.50	22.40		
40	PI/2 BPSK	1	214	22.45	22.55	22.34		
40	PI/2 BPSK	108	0	22.67	22.64	22.40	23.6	0.0
40	PI/2 BPSK	108	54	22.37	22.53	22.48	23.6	0.0
40	PI/2 BPSK	108	108	22.35	22.59	22.40	23.6	0.0
40	PI/2 BPSK	216	0	22.48	22.50	22.44		
40	QPSK	1	1	22.73	22.74	22.69	23.6	0.0
40	QPSK	1	108	22.50	22.62	22.53		
40	QPSK	1	214	22.55	22.72	22.61		
40	QPSK	108	0	22.27	22.32	22.35	23.6	0.0
40	QPSK	108	54	22.56	22.67	22.55	23.6	0.0
40	QPSK	108	108	22.30	22.48	22.31	23.6	0.0
40	QPSK	216	0	22.28	22.44	22.31		
40	16QAM	1	1	22.38	22.46	22.37	23.6	0.0
40	64QAM	1	1	20.94	21.07	20.90	22.5	1.1
40	256QAM	1	1	18.87	18.92	18.86	20.5	3.1
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.63	22.63	22.60	23.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.60	22.67	22.65	23.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.60	22.63	22.60	23.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.58	22.59	22.57	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.60	22.60	22.57	23.6	0.0

Part270 n77 Ant2 DS10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.64	21.74	21.70	23.0	0.0
100	PI/2 BPSK	1	137	21.59	21.72	21.61		
100	PI/2 BPSK	1	271	21.74	21.82	21.63		
100	PI/2 BPSK	135	0	21.16	21.29	21.20	23.0	0.0
100	PI/2 BPSK	135	69	21.58	21.65	21.53	23.0	0.0
100	PI/2 BPSK	135	138	21.67	21.68	21.54	23.0	0.0
100	PI/2 BPSK	270	0	21.81	21.88	21.77		
100	QPSK	1	1	21.86	22.00	21.93		
100	QPSK	1	137	21.77	21.78	21.75	23.0	0.0
100	QPSK	1	271	21.85	21.97	21.84		
100	QPSK	135	0	21.61	21.80	21.65	23.0	0.0
100	QPSK	135	69	21.73	21.85	21.80	23.0	0.0
100	QPSK	135	138	21.61	21.75	21.68	23.0	0.0
100	QPSK	270	0	21.72	21.77	21.74		
100	16QAM	1	1	21.63	21.85	21.79	23.0	0.0
100	64QAM	1	1	21.90	21.89	21.98	23.0	0.0
100	256QAM	1	1	20.26	20.32	20.29	22.0	1.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.74	21.95	21.85	23.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.78	21.86	21.87	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.74	21.95	21.82	23.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.73	21.88	21.78	23.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.79	21.89	21.86	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.75	21.95	21.82	23.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.77	21.94	21.84	23.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.76	21.89	21.79	23.0	0.0

Part270 n77 PC2 Ant2 DSI0								
BW [MHz]	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	22.76	22.86	22.68		
100	PI/2 BPSK	1	137	22.70	22.70	22.61	23.6	0.0
100	PI/2 BPSK	1	271	22.65	22.77	22.60		
100	PI/2 BPSK	135	0	22.79	22.84	22.64		
100	PI/2 BPSK	135	69	22.65	22.71	22.63	23.6	0.0
100	PI/2 BPSK	135	138	22.58	22.73	22.63	23.6	0.0
100	PI/2 BPSK	270	0	22.69	22.72	22.65		
100	QPSK	1	1	22.86	22.92	22.90		
100	QPSK	1	137	22.77	22.83	22.73	23.6	0.0
100	QPSK	1	271	22.72	22.82	22.78		
100	QPSK	135	0	22.49	22.63	22.59		
100	QPSK	135	69	22.75	22.86	22.74	23.6	0.0
100	QPSK	135	138	22.50	22.63	22.58	23.6	0.0
100	QPSK	270	0	22.46	22.64	22.46		
100	16QAM	1	1	22.59	22.71	22.60		
100	64QAM	1	1	22.60	22.57	22.50	23.6	0.0
100	256QAM	1	1	20.41	20.51	20.41	21.6	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.77	22.81	22.84	23.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.73	22.77	22.86	23.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.82	22.88	22.84	23.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.79	22.79	22.79	23.6	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.75	22.80	22.83	23.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.74	22.76	22.77	23.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.76	22.82	22.87	23.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.72	22.83	22.77	23.6	0.0

Part27Q n77 Ant2 DS10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.59		23.0	0.0
100	PI/2 BPSK	1	137		21.59			
100	PI/2 BPSK	1	271		21.48			
100	PI/2 BPSK	135	0		21.64		23.0	0.0
100	PI/2 BPSK	135	69		21.45		23.0	0.0
100	PI/2 BPSK	135	138		21.60		23.0	0.0
100	PI/2 BPSK	270	0		21.62			
100	QPSK	1	1		21.67		23.0	0.0
100	QPSK	1	137		21.52			
100	QPSK	1	271		21.39			
100	QPSK	135	0		21.45		23.0	0.0
100	QPSK	135	69		21.65		23.0	0.0
100	QPSK	135	138		21.61		23.0	0.0
100	QPSK	270	0		21.60			
100	16QAM	1	1		21.40		23.0	0.0
100	64QAM	1	1		21.10		23.0	0.0
100	256QAM	1	1		20.04		22.0	1.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.43	21.59	21.55	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.45	21.55	21.55	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.51	21.54	21.52	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.50	21.52	21.53	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.43	21.57	21.51	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.40	21.55	21.49	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.39	21.54	21.55	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.45	21.53	21.53	23.0	0.0

Part27Q n77 PC2 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.13		23.6	0.0
100	PI/2 BPSK	1	137		21.97			
100	PI/2 BPSK	1	271		22.04			
100	PI/2 BPSK	135	0		22.09		23.6	0.0
100	PI/2 BPSK	135	69		21.94		23.6	0.0
100	PI/2 BPSK	135	138		21.95		23.6	0.0
100	PI/2 BPSK	270	0		21.93			
100	QPSK	1	1		22.17		23.6	0.0
100	QPSK	1	137		22.06			
100	QPSK	1	271		22.09			
100	QPSK	135	0		21.84		23.6	0.0
100	QPSK	135	69		22.12		23.6	0.0
100	QPSK	135	138		21.91		23.6	0.0
100	QPSK	270	0		21.92			
100	16QAM	1	1		21.90		23.6	0.0
100	64QAM	1	1		21.77		23.6	0.0
100	256QAM	1	1		19.69		21.6	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.03	22.04	22.04	23.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.02	22.02	22.07	23.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.00	22.01	22.08	23.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.04	22.09	22.09	23.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.99	22.00	22.06	23.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.01	22.03	22.05	23.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.03	22.03	22.04	23.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.04	22.08	22.04	23.6	0.0

Part270 n78 Ant2 DS10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.88		23.0	0.0
100	PI/2 BPSK	1	137		21.89			
100	PI/2 BPSK	1	271		21.94			
100	PI/2 BPSK	135	0		21.82		23.0	0.0
100	PI/2 BPSK	135	69		21.81		23.0	0.0
100	PI/2 BPSK	135	138		21.75		23.0	0.0
100	PI/2 BPSK	270	0		21.95			
100	QPSK	1	1		22.01		23.0	0.0
100	QPSK	1	137		21.89			
100	QPSK	1	271		21.99			
100	QPSK	135	0		21.83		23.0	0.0
100	QPSK	135	69		21.88		23.0	0.0
100	QPSK	135	138		21.68		23.0	0.0
100	QPSK	270	0		21.76			
100	16QAM	1	1		21.94		23.0	0.0
100	64QAM	1	1		21.90		23.0	0.0
100	256QAM	1	1		20.40		22.0	1.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.82	21.90	21.79	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.83	21.94	21.85	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.82	21.90	21.82	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.89	21.86	21.79	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.82	21.86	21.85	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.83	21.90	21.84	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.91	21.86	21.77	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.90	21.91	21.77	23.0	0.0

Part270 n78 PC2 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.74		23.6	0.0
100	PI/2 BPSK	1	137		22.57			
100	PI/2 BPSK	1	271		22.63			
100	PI/2 BPSK	135	0		22.73		23.6	0.0
100	PI/2 BPSK	135	69		22.66		23.6	0.0
100	PI/2 BPSK	135	138		22.64		23.6	0.0
100	PI/2 BPSK	270	0		22.67			
100	QPSK	1	1		22.82		23.6	0.0
100	QPSK	1	137		22.68			
100	QPSK	1	271		22.75			
100	QPSK	135	0		22.49		23.6	0.0
100	QPSK	135	69		22.73		23.6	0.0
100	QPSK	135	138		22.51		23.6	0.0
100	QPSK	270	0		22.57			
100	16QAM	1	1		22.61		23.6	0.0
100	64QAM	1	1		22.49		23.6	0.0
100	256QAM	1	1		20.38		21.6	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.70	22.69	22.79	23.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.67	22.72	22.80	23.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.70	22.67	22.74	23.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.67	22.68	22.71	23.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.72	22.68	22.71	23.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.67	22.77	22.75	23.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.65	22.71	22.70	23.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.71	22.73	22.74	23.6	0.0

Part27Q n78 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		22.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.16		22.0	0.0
100	PI/2 BPSK	1	137		21.13			
100	PI/2 BPSK	1	271		21.22			
100	PI/2 BPSK	135	0		21.24		22.0	0.0
100	PI/2 BPSK	135	69		21.07		22.0	0.0
100	PI/2 BPSK	135	138		21.12		22.0	0.0
100	PI/2 BPSK	270	0		21.23			
100	QPSK	1	1		21.28		22.0	0.0
100	QPSK	1	137		21.18			
100	QPSK	1	271		21.12			
100	QPSK	135	0		21.19		22.0	0.0
100	QPSK	135	69		21.23		22.0	0.0
100	QPSK	135	138		21.18		22.0	0.0
100	QPSK	270	0		21.23			
100	16QAM	1	1		21.28		22.0	0.0
100	64QAM	1	1		20.85		22.0	0.0
100	256QAM	1	1		19.69		20.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.13	21.18	21.00	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.11	21.23	21.03	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.14	21.18	21.00	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.03	21.12	20.97	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.13	21.20	21.04	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.03	21.15	21.05	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.12	21.21	21.04	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.10	21.12	21.00	22.0	0.0

Part27Q n78 PC2 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.74			
100	PI/2 BPSK	1	137		21.85		23.6	0.0
100	PI/2 BPSK	1	271		21.89			
100	PI/2 BPSK	135	0		21.69			
100	PI/2 BPSK	135	69		21.69		23.6	0.0
100	PI/2 BPSK	135	138		21.62		23.6	0.0
100	PI/2 BPSK	270	0		21.85			
100	QPSK	1	1		21.90			
100	QPSK	1	137		21.74		23.6	0.0
100	QPSK	1	271		21.89			
100	QPSK	135	0		21.68			
100	QPSK	135	69		21.76		23.6	0.0
100	QPSK	135	138		21.65		23.6	0.0
100	QPSK	270	0		21.64			
100	16QAM	1	1		21.85			
100	64QAM	1	1		21.78		23.6	0.0
100	256QAM	1	1		20.34		21.6	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.69	21.80	21.64	23.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.75	21.76	21.71	23.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.78	21.76	21.69	23.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.68	21.81	21.73	23.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.72	21.85	21.64	23.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.71	21.79	21.63	23.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.74	21.75	21.71	23.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.72	21.84	21.71	23.6	0.0



Part96 n77 PC3 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.39	21.52	21.55		
100	PI/2 BPSK	1	137	21.36	21.53	21.40	23.0	0.0
100	PI/2 BPSK	1	271	21.60	21.61	21.42		
100	PI/2 BPSK	135	0	21.03	21.11	21.04	23.0	0.0
100	PI/2 BPSK	135	69	21.43	21.48	21.34	23.0	0.0
100	PI/2 BPSK	135	138	21.51	21.52	21.29	23.0	0.0
100	PI/2 BPSK	270	0	21.61	21.64	21.61		
100	QPSK	1	1	21.73	21.82	21.74		
100	QPSK	1	137	21.56	21.65	21.56	23.0	0.0
100	QPSK	1	271	21.59	21.78	21.69		
100	QPSK	135	0	21.48	21.67	21.48	23.0	0.0
100	QPSK	135	69	21.47	21.69	21.54	23.0	0.0
100	QPSK	135	138	21.41	21.60	21.45	23.0	0.0
100	QPSK	270	0	21.50	21.59	21.49		
100	16QAM	1	1	21.47	21.62	21.57	23.0	0.0
100	64QAM	1	1	21.75	21.74	21.52	23.0	0.0
100	256QAM	1	1	20.02	20.10	20.10	21.0	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.48	21.62	21.52	23.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.51	21.69	21.52	23.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.52	21.61	21.51	23.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.58	21.58	21.55	23.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.59	21.62	21.55	23.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	21.60	21.64	21.60	23.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.54	21.64	21.59	23.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.58	21.68	21.58	23.0	0.0



Part96 n78 PC3 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.24	21.30	21.37		
100	PI/2 BPSK	1	137	21.20	21.29	21.19	23.0	0.0
100	PI/2 BPSK	1	271	21.44	21.41	21.19		
100	PI/2 BPSK	135	0	20.85	20.91	20.88	23.0	0.0
100	PI/2 BPSK	135	69	21.20	21.27	21.17	23.0	0.0
100	PI/2 BPSK	135	138	21.27	21.31	21.14	23.0	0.0
100	PI/2 BPSK	270	0	21.47	21.45	21.35		
100	QPSK	1	1	21.55	21.59	21.54		
100	QPSK	1	137	21.36	21.52	21.40	23.0	0.0
100	QPSK	1	271	21.37	21.58	21.52		
100	QPSK	135	0	21.31	21.41	21.30	23.0	0.0
100	QPSK	135	69	21.28	21.55	21.39	23.0	0.0
100	QPSK	135	138	21.23	21.35	21.22	23.0	0.0
100	QPSK	270	0	21.32	21.33	21.24		
100	16QAM	1	1	21.29	21.37	21.39	23.0	0.0
100	64QAM	1	1	21.55	21.56	21.28	23.0	0.0
100	256QAM	1	1	19.81	19.90	19.95	21.0	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.39	21.40	21.38	23.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.31	21.35	21.30	23.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.39	21.40	21.39	23.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.41	21.37	21.36	23.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.29	21.41	21.33	23.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	21.36	21.40	21.32	23.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.41	21.38	21.37	23.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.37	21.41	21.31	23.0	0.0

n7 Ant3 DS10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	20.58	20.70	20.56	21.8	0.0
40	PI/2 BPSK	1	108	20.48	20.50	20.39		
40	PI/2 BPSK	1	214	20.43	20.56	20.38		
40	PI/2 BPSK	108	0	20.61	20.65	20.40	21.8	0.0
40	PI/2 BPSK	108	54	20.41	20.47	20.50	21.8	0.0
40	PI/2 BPSK	108	108	20.33	20.58	20.37	21.8	0.0
40	PI/2 BPSK	216	0	20.50	20.50	20.41		
40	QPSK	1	1	20.63	20.77	20.66	21.8	0.0
40	QPSK	1	108	20.46	20.58	20.62		
40	QPSK	1	214	20.48	20.72	20.49		
40	QPSK	108	0	20.28	20.34	20.36	21.8	0.0
40	QPSK	108	54	20.56	20.65	20.52	21.8	0.0
40	QPSK	108	108	20.36	20.40	20.28	21.8	0.0
40	QPSK	216	0	20.33	20.36	20.27		
40	16QAM	1	1	20.36	20.53	20.30	21.8	0.0
40	64QAM	1	1	19.94	20.09	20.00	21.5	0.3
40	256QAM	1	1	17.99	18.10	17.97	19.5	2.3
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.58	20.67	20.53	21.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.58	20.71	20.56	21.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.51	20.67	20.51	21.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.59	20.67	20.52	21.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.57	20.63	20.52	21.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.54	20.64	20.54	21.8	0.0

n30 Ant3 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		19.42		20.7	0.0
10	PI/2 BPSK	1	26		19.42			
10	PI/2 BPSK	1	50		19.35			
10	PI/2 BPSK	25	0		19.47		20.7	0.0
10	PI/2 BPSK	25	14		19.47		20.7	0.0
10	PI/2 BPSK	25	27		19.43		20.7	0.0
10	PI/2 BPSK	50	0		19.36			
10	QPSK	1	1		19.54		20.7	0.0
10	QPSK	1	26		19.47			
10	QPSK	1	50		19.45			
10	QPSK	25	0		19.45		20.7	0.0
10	QPSK	25	14		19.51		19.7	1.0
10	QPSK	25	27		19.46		20.7	0.0
10	QPSK	50	0		19.44			
10	16QAM	1	1		19.42		20.7	0.0
10	64QAM	1	1		19.43		20.7	0.0
10	256QAM	1	1		19.34		20.5	0.2
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	19.51	19.41	19.51	20.7	0.0

n38 Ant3 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.65	19.52	19.41	20.8	0.0
40	PI/2 BPSK	1	53	19.42	19.38	19.38		
40	PI/2 BPSK	1	104	19.42	19.37	19.24		
40	PI/2 BPSK	50	0	19.48	19.58	19.44	20.8	0.0
40	PI/2 BPSK	50	28	19.29	19.52	19.36	20.8	0.0
40	PI/2 BPSK	50	56	19.22	19.45	19.22	20.8	0.0
40	PI/2 BPSK	100	0	19.37	19.44	19.44		
40	QPSK	1	1	19.56	19.67	19.55	20.8	0.0
40	QPSK	1	53	19.41	19.53	19.47		
40	QPSK	1	104	19.49	19.57	19.43		
40	QPSK	50	0	19.14	19.39	19.26	20.8	0.0
40	QPSK	50	28	19.38	19.49	19.48	20.8	0.0
40	QPSK	50	56	19.25	19.46	19.28	20.8	0.0
40	QPSK	100	0	19.13	19.28	19.22		
40	16QAM	1	1	19.29	19.43	19.38	20.8	0.0
40	64QAM	1	1	19.27	19.32	19.21	20.8	0.0
40	256QAM	1	1	17.65	17.54	17.62	19.5	1.3
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.43	19.57	19.46	20.8	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.43	19.57	19.43	20.8	0.0

n41 PC2&PC3 Ant3 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.69	19.62	19.55	20.8	0.0
100	PI/2 BPSK	1	137	19.53	19.51	19.49		
100	PI/2 BPSK	1	271	19.50	19.51	19.32		
100	PI/2 BPSK	135	0	19.63	19.68	19.52	20.8	0.0
100	PI/2 BPSK	135	69	19.43	19.57	19.46	20.8	0.0
100	PI/2 BPSK	135	138	19.36	19.53	19.37	20.8	0.0
100	PI/2 BPSK	270	0	19.50	19.55	19.52		
100	QPSK	1	1	19.67	19.78	19.66	20.8	0.0
100	QPSK	1	137	19.49	19.62	19.61		
100	QPSK	1	271	19.53	19.63	19.51		
100	QPSK	135	0	19.26	19.44	19.31	20.8	0.0
100	QPSK	135	69	19.53	19.61	19.55	20.8	0.0
100	QPSK	135	138	19.36	19.54	19.38	20.8	0.0
100	QPSK	270	0	19.25	19.37	19.28		
100	16QAM	1	1	19.36	19.53	19.44	20.8	0.0
100	64QAM	1	1	19.35	19.44	19.25	20.8	0.0
100	256QAM	1	1	19.55	19.74	19.58	20.8	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.54	19.67	19.59	20.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.54	19.64	19.61	20.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.51	19.70	19.50	20.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.57	19.65	19.55	20.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.57	19.69	19.56	20.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.56	19.73	19.55	20.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.59	19.64	19.55	20.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.54	19.67	19.61	20.8	0.0

Part270 n77 PC2 Ant3 DSI0								
BW [MHz]	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	18.24	18.22	18.04	18.9	0.0
100	PI/2 BPSK	1	137	18.01	18.09	18.00		
100	PI/2 BPSK	1	271	17.98	18.13	17.88		
100	PI/2 BPSK	135	0	18.17	18.22	18.10	18.9	0.0
100	PI/2 BPSK	135	69	18.02	18.14	18.01	18.9	0.0
100	PI/2 BPSK	135	138	17.99	18.15	18.02	18.9	0.0
100	PI/2 BPSK	270	0	18.05	18.04	18.02		
100	QPSK	1	1	18.28	18.31	18.23	18.9	0.0
100	QPSK	1	137	18.12	18.24	18.22		
100	QPSK	1	271	18.07	18.29	18.18		
100	QPSK	135	0	17.90	18.00	17.96	18.9	0.0
100	QPSK	135	69	18.08	18.23	18.12	18.9	0.0
100	QPSK	135	138	17.90	18.02	17.94	18.9	0.0
100	QPSK	270	0	17.85	17.99	17.92		
100	16QAM	1	1	17.90	18.03	17.89	18.9	0.0
100	64QAM	1	1	17.96	18.08	17.94	18.9	0.0
100	256QAM	1	1	17.93	18.07	17.95	18.9	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.18	18.14	18.19	18.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.15	18.23	18.15	18.9	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.23	18.22	18.20	18.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.18	18.16	18.25	18.9	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.14	18.20	18.24	18.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.15	18.20	18.24	18.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.21	18.24	18.23	18.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.14	18.24	18.22	18.9	0.0



Part27Q n77 PC2 Ant3 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.96		18.9	0.0
100	PI/2 BPSK	1	137		17.78			
100	PI/2 BPSK	1	271		17.78			
100	PI/2 BPSK	135	0		18.00		18.9	0.0
100	PI/2 BPSK	135	69		17.87		18.9	0.0
100	PI/2 BPSK	135	138		17.81		18.9	0.0
100	PI/2 BPSK	270	0		17.74			
100	QPSK	1	1		18.01		18.9	0.0
100	QPSK	1	137		17.90			
100	QPSK	1	271		17.93			
100	QPSK	135	0		17.67		18.9	0.0
100	QPSK	135	69		17.91		18.9	0.0
100	QPSK	135	138		17.72		18.9	0.0
100	QPSK	270	0		17.67			
100	16QAM	1	1		17.81		18.9	0.0
100	64QAM	1	1		17.72		18.9	0.0
100	256QAM	1	1		17.71		18.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.91	17.98	17.90	18.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.86	17.95	17.98	18.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.88	17.95	17.96	18.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.86	17.99	17.92	18.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.91	17.94	17.88	18.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.96	17.96	17.98	18.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.87	17.95	17.93	18.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.93	17.89	17.98	18.9	0.0



Part270 n78 PC2 Ant3 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.08		18.9	0.0
100	PI/2 BPSK	1	137		18.01			
100	PI/2 BPSK	1	271		18.06			
100	PI/2 BPSK	135	0		18.16		18.9	0.0
100	PI/2 BPSK	135	69		18.00		18.9	0.0
100	PI/2 BPSK	135	138		18.02		18.9	0.0
100	PI/2 BPSK	270	0		17.98			
100	QPSK	1	1		18.20		18.9	0.0
100	QPSK	1	137		18.13			
100	QPSK	1	271		18.19			
100	QPSK	135	0		17.89		18.9	0.0
100	QPSK	135	69		18.19		18.9	0.0
100	QPSK	135	138		17.89		18.9	0.0
100	QPSK	270	0		17.86			
100	16QAM	1	1		17.94		18.9	0.0
100	64QAM	1	1		17.99		18.9	0.0
100	256QAM	1	1		17.95		18.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.06	18.09	18.09	18.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.09	18.09	18.04	18.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.05	18.00	18.09	18.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.09	18.05	18.13	18.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.04	18.06	18.07	18.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.05	18.03	18.04	18.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.13	17.99	18.03	18.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.10	18.04	18.08	18.9	0.0



Part27Q n78 PC2 Ant3 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.82		18.9	0.0
100	PI/2 BPSK	1	137		17.71			
100	PI/2 BPSK	1	271		17.68			
100	PI/2 BPSK	135	0		17.92		18.9	0.0
100	PI/2 BPSK	135	69		17.71		18.9	0.0
100	PI/2 BPSK	135	138		17.76		18.9	0.0
100	PI/2 BPSK	270	0		17.64			
100	QPSK	0.0	1		17.95		18.9	0.0
100	QPSK	1	137		17.84			
100	QPSK	1	271		17.78			
100	QPSK	135	0		17.55		18.9	0.0
100	QPSK	135	69		17.87		18.9	0.0
100	QPSK	135	138		17.60		18.9	0.0
100	QPSK	270	0		17.56			
100	16QAM	1	1		17.70		18.9	0.0
100	64QAM	1	1		17.60		18.9	0.0
100	256QAM	1	1		17.61		18.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.81	17.92	17.83	18.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.79	17.85	17.83	18.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.83	17.82	17.85	18.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.80	17.90	17.78	18.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.77	17.93	17.84	18.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.84	17.91	17.82	18.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.75	17.92	17.82	18.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.77	17.88	17.78	18.9	0.0

Part96 n77 PC3 Ant3 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	18.9	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.03	18.10	17.98		
100	PI/2 BPSK	1	137	17.85	17.96	17.87	18.9	0.0
100	PI/2 BPSK	1	271	17.87	17.93	17.74		
100	PI/2 BPSK	135	0	18.02	18.11	17.90		
100	PI/2 BPSK	135	69	17.84	17.93	17.85	18.9	0.0
100	PI/2 BPSK	135	138	17.76	17.96	17.88		
100	PI/2 BPSK	270	0	17.85	17.89	17.92		
100	QPSK	1	1	18.11	18.15	18.12	18.9	0.0
100	QPSK	1	137	17.92	18.03	18.00		
100	QPSK	1	271	17.98	18.04	17.96		
100	QPSK	135	0	17.69	17.83	17.71	18.9	0.0
100	QPSK	135	69	17.99	18.05	17.93		
100	QPSK	135	138	17.72	17.94	17.76		
100	QPSK	270	0	17.76	17.78	17.71	18.9	0.0
100	16QAM	1	1	17.82	17.89	17.78		
100	64QAM	1	1	17.84	17.91	17.73		
100	256QAM	1	1	17.78	17.88	17.82	18.9	0.0
Channel				639668	641666	643666		
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.04	18.04	18.04	18.9	0.0
Channel				639334	641666	644000		
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.01	18.05	18.10	18.9	0.0
Channel				639000	641666	644332		
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.03	18.03	18.08	18.9	0.0
Channel				638668	641666	644666		
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.00	18.05	18.05	18.9	0.0
Channel				638334	641666	645000		
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.01	18.04	17.99	18.9	0.0
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	18.03	17.98	18.07	18.9	0.0
Channel				637668	641666	645666		
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.97	17.98	18.04	18.9	0.0
Channel				637334	641666	646000		
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.05	17.98	18.09	18.9	0.0



Part96 n78 PC3 Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	17.93	18.00	17.90	18.9	0.0
100	PI/2 BPSK	1	137	17.75	17.87	17.74		
100	PI/2 BPSK	1	271	17.72	17.87	17.64		
100	PI/2 BPSK	135	0	17.86	18.03	17.76	18.9	0.0
100	PI/2 BPSK	135	69	17.69	17.82	17.71	18.9	0.0
100	PI/2 BPSK	135	138	17.68	17.87	17.82	18.9	0.0
100	PI/2 BPSK	270	0	17.79	17.82	17.82		
100	QPSK	1	1	17.96	18.06	18.03	18.9	0.0
100	QPSK	1	137	17.88	17.89	17.91		
100	QPSK	1	271	17.83	17.99	17.88		
100	QPSK	135	0	17.55	17.72	17.57	18.9	0.0
100	QPSK	135	69	17.85	17.96	17.86	18.9	0.0
100	QPSK	135	138	17.67	17.85	17.64	18.9	0.0
100	QPSK	270	0	17.67	17.69	17.58		
100	16QAM	1	1	17.69	17.76	17.71	18.9	0.0
100	64QAM	1	1	17.80	17.84	17.58	18.9	0.0
100	256QAM	1	1	17.64	17.78	17.69	18.9	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	17.91	17.90	17.92	18.9	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	17.88	17.89	17.96	18.9	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	17.98	17.88	17.95	18.9	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	17.89	17.93	17.94	18.9	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	17.90	17.97	17.95	18.9	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	17.93	17.92	17.98	18.9	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.89	17.97	17.91	18.9	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	17.91	17.89	17.94	18.9	0.0

n48 Part96 Ant4 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.09	21.18	21.05	22.3	0.0
40	PI/2 BPSK	1	53	20.99	21.04	20.92		
40	PI/2 BPSK	1	104	20.96	21.00	20.88		
40	PI/2 BPSK	50	0	21.13	21.13	20.97	22.3	0.0
40	PI/2 BPSK	50	28	20.92	21.08	20.99	22.3	0.0
40	PI/2 BPSK	50	56	20.89	21.07	20.90	22.3	0.0
40	PI/2 BPSK	100	0	20.90	21.05	20.93		
40	QPSK	1	1	21.14	21.22	21.11	22.3	0.0
40	QPSK	1	53	21.04	21.19	21.07		
40	QPSK	1	104	20.98	21.19	21.02		
40	QPSK	50	0	20.76	20.88	20.89	22.0	0.3
40	QPSK	50	28	21.07	21.09	21.07	22.3	0.0
40	QPSK	50	56	20.79	20.92	20.77	22.0	0.3
40	QPSK	100	0	20.81	20.91	20.83		
40	16QAM	1	1	20.90	21.01	20.85	22.0	0.3
40	64QAM	1	1	19.69	19.74	19.66	20.5	1.8
40	256QAM	1	1	17.75	17.75	17.69	18.5	3.8
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.99	21.21	21.07	22.3	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.06	21.12	21.16	22.3	0.0

Part270 n77 PC2 Ant4 DSI0								
BW [MHz]	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	22.13	22.17	22.03	23.2	0.0
100	PI/2 BPSK	1	137	22.04	22.04	21.91		
100	PI/2 BPSK	1	271	21.95	22.03	21.87		
100	PI/2 BPSK	135	0	22.19	22.23	21.98	23.2	0.0
100	PI/2 BPSK	135	69	21.91	22.08	22.03	23.2	0.0
100	PI/2 BPSK	135	138	21.90	22.07	21.98	23.2	0.0
100	PI/2 BPSK	270	0	22.02	21.99	21.97		
100	QPSK	1	1	22.21	22.26	22.22	23.2	0.0
100	QPSK	1	137	22.02	22.19	22.18		
100	QPSK	1	271	22.06	22.14	22.14		
100	QPSK	135	0	21.77	21.93	21.91	23.2	0.0
100	QPSK	135	69	22.05	22.19	22.03	23.2	0.0
100	QPSK	135	138	21.91	22.05	21.93	23.2	0.0
100	QPSK	270	0	21.81	21.97	21.84		
100	16QAM	1	1	21.91	21.98	21.89	23.2	0.0
100	64QAM	1	1	21.87	22.01	21.87	23.2	0.0
100	256QAM	1	1	21.19	21.43	21.26	22.5	0.7
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.11	22.18	22.13	23.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.07	22.20	22.10	23.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.09	22.13	22.11	23.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.12	22.18	22.14	23.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.14	22.12	22.15	23.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.10	22.13	22.06	23.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.12	22.16	22.11	23.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.16	22.14	22.07	23.2	0.0

Part27Q n77 PC2 Ant4 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.2	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.75		23.2	0.0
100	PI/2 BPSK	1	137		21.63			
100	PI/2 BPSK	1	271		21.60			
100	PI/2 BPSK	135	0		21.71		23.2	0.0
100	PI/2 BPSK	135	69		21.56		23.2	0.0
100	PI/2 BPSK	135	138		21.58		23.2	0.0
100	PI/2 BPSK	270	0		21.64			
100	QPSK	1	1		21.81		23.2	0.0
100	QPSK	1	137		21.74			
100	QPSK	1	271		21.75			
100	QPSK	135	0		21.47		23.2	0.0
100	QPSK	135	69		21.77		23.2	0.0
100	QPSK	135	138		21.59		23.2	0.0
100	QPSK	270	0		21.50			
100	16QAM	1	1		21.59		23.2	0.0
100	64QAM	1	1		21.53		23.2	0.0
100	256QAM	1	1		21.02		22.5	0.7
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.70	21.72	21.71	23.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.61	21.72	21.69	23.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.64	21.75	21.74	23.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.60	21.74	21.65	23.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.60	21.72	21.65	23.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.60	21.74	21.64	23.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.59	21.72	21.68	23.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.64	21.76	21.67	23.2	0.0

Part270 n78 PC2 Ant4 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.03		23.2	0.0
100	PI/2 BPSK	1	137		21.88			
100	PI/2 BPSK	1	271		21.88			
100	PI/2 BPSK	135	0		22.19		23.2	0.0
100	PI/2 BPSK	135	69		21.95		23.2	0.0
100	PI/2 BPSK	135	138		21.92		23.2	0.0
100	PI/2 BPSK	270	0		21.94			
100	QPSK	1	1		22.20		23.2	0.0
100	QPSK	1	137		22.11			
100	QPSK	1	271		22.08			
100	QPSK	135	0		21.85		23.2	0.0
100	QPSK	135	69		22.11		23.2	0.0
100	QPSK	135	138		21.91		23.2	0.0
100	QPSK	270	0		21.84			
100	16QAM	1	1		21.93		23.2	0.0
100	64QAM	1	1		21.86		23.2	0.0
100	256QAM	1	1		21.50		22.5	0.7
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.96	22.12	22.00	23.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.98	22.08	22.03	23.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.06	22.07	22.02	23.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.99	22.07	22.00	23.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.05	22.03	22.06	23.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.00	22.08	22.04	23.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.00	22.11	22.04	23.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.02	22.10	22.07	23.2	0.0

Part27Q n78 PC2 Ant4 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.2	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.66		23.2	0.0
100	PI/2 BPSK	1	137		21.49			
100	PI/2 BPSK	1	271		21.54			
100	PI/2 BPSK	135	0		21.62		23.2	0.0
100	PI/2 BPSK	135	69		21.51		23.2	0.0
100	PI/2 BPSK	135	138		21.46		23.2	0.0
100	PI/2 BPSK	270	0		21.59			
100	QPSK	1	1		21.76		23.2	0.0
100	QPSK	1	137		21.64			
100	QPSK	1	271		21.61			
100	QPSK	135	0		21.36		23.2	0.0
100	QPSK	135	69		21.73		23.2	0.0
100	QPSK	135	138		21.51		23.2	0.0
100	QPSK	270	0		21.38			
100	16QAM	1	1		21.47		23.2	0.0
100	64QAM	1	1		21.46		23.2	0.0
100	256QAM	1	1		20.95		22.5	0.7
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.66	21.65	21.66	23.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.64	21.63	21.57	23.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.54	21.57	21.56	23.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.66	21.66	21.63	23.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.58	21.57	21.59	23.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.59	21.62	21.65	23.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.63	21.62	21.58	23.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.62	21.57	21.64	23.2	0.0

Part96 n77 PC3 Ant4 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.90	22.00	21.80	23.2	0.0
100	PI/2 BPSK	1	137	21.80	21.83	21.75		
100	PI/2 BPSK	1	271	21.78	21.78	21.61		
100	PI/2 BPSK	135	0	21.88	21.92	21.74	23.2	0.0
100	PI/2 BPSK	135	69	21.71	21.78	21.69	23.2	0.0
100	PI/2 BPSK	135	138	21.67	21.78	21.76	23.2	0.0
100	PI/2 BPSK	270	0	21.73	21.80	21.76		
100	QPSK	1	1	21.96	22.02	22.01	23.2	0.0
100	QPSK	1	137	21.85	21.97	21.92		
100	QPSK	1	271	21.80	22.01	21.81		
100	QPSK	135	0	21.57	21.67	21.61	23.2	0.0
100	QPSK	135	69	21.78	21.95	21.84	23.2	0.0
100	QPSK	135	138	21.59	21.71	21.68	23.2	0.0
100	QPSK	270	0	21.63	21.74	21.61		
100	16QAM	1	1	21.70	21.79	21.66	23.2	0.0
100	64QAM	1	1	21.70	21.72	21.63	23.2	0.0
100	256QAM	1	1	20.97	21.29	21.00	22.5	0.7
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.89	21.96	21.93	23.2	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.86	21.95	21.99	23.2	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.86	21.95	22.00	23.2	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.90	21.93	22.00	23.2	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.88	21.94	21.96	23.2	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	21.86	21.91	22.00	23.2	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.90	21.98	21.93	23.2	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.84	21.95	22.01	23.2	0.0

Part96 n78 PC3 Ant4 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.75	21.92	21.65	23.2	0.0
100	PI/2 BPSK	1	137	21.67	21.72	21.62		
100	PI/2 BPSK	1	271	21.70	21.71	21.49		
100	PI/2 BPSK	135	0	21.80	21.87	21.60	23.2	0.0
100	PI/2 BPSK	135	69	21.65	21.63	21.61	23.2	0.0
100	PI/2 BPSK	135	138	21.61	21.71	21.61	23.2	0.0
100	PI/2 BPSK	270	0	21.68	21.72	21.67		
100	QPSK	1	1	21.89	21.96	21.91	23.2	0.0
100	QPSK	1	137	21.81	21.83	21.82		
100	QPSK	1	271	21.70	21.90	21.77		
100	QPSK	135	0	21.52	21.62	21.46	23.2	0.0
100	QPSK	135	69	21.63	21.81	21.70	23.2	0.0
100	QPSK	135	138	21.46	21.64	21.56	23.2	0.0
100	QPSK	270	0	21.58	21.62	21.56		
100	16QAM	1	1	21.57	21.73	21.53	23.2	0.0
100	64QAM	1	1	21.66	21.64	21.52	23.2	0.0
100	256QAM	1	1	20.86	21.15	20.91	22.5	0.7
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.75	21.88	21.83	23.2	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.84	21.89	21.89	23.2	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.79	21.92	21.88	23.2	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.80	21.87	21.85	23.2	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.76	21.85	21.81	23.2	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	21.81	21.87	21.79	23.2	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.79	21.86	21.79	23.2	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.78	21.80	21.79	23.2	0.0

n25 Ant5 Ant5 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.20	23.31	23.31	24.4	0.0
40	PI/2 BPSK	1	108	22.93	23.10	23.00		
40	PI/2 BPSK	1	214	23.11	23.14	22.91		
40	PI/2 BPSK	108	0	23.25	23.32	23.27	24.4	0.0
40	PI/2 BPSK	108	54	23.21	23.32	23.27	24.4	0.0
40	PI/2 BPSK	108	108	22.88	23.07	22.97	24.4	0.0
40	PI/2 BPSK	216	0	23.11	23.16	22.93		
40	QPSK	1	1	23.28	23.38	23.35		
40	QPSK	1	108	22.96	23.13	23.05	24.4	0.0
40	QPSK	1	214	23.19	23.18	22.96		
40	QPSK	108	0	23.18	23.24	23.18	24.0	0.4
40	QPSK	108	54	23.23	23.28	23.25	24.4	0.0
40	QPSK	108	108	23.14	23.25	23.18	24.0	0.4
40	QPSK	216	0	23.13	23.21	23.16		
40	16QAM	1	1	23.22	23.32	23.29	24.0	0.4
40	64QAM	1	1	21.76	21.88	21.69	22.5	1.9
40	256QAM	1	1	19.69	19.71	19.55	20.5	3.9
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.18	23.33	23.26	24.4	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.25	23.28	23.28	24.4	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.23	23.32	23.30	24.4	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.25	23.35	23.28	24.4	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.19	23.29	23.29	24.4	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.24	23.34	23.33	24.4	0.0

n66 Ant5 Ant5 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	24.18	24.12	24.04	25.0	0.0
40	PI/2 BPSK	1	108	24.11	24.25	24.08		
40	PI/2 BPSK	1	214	24.12	24.22	24.13		
40	PI/2 BPSK	108	0	23.55	23.57	23.56	24.5	0.5
40	PI/2 BPSK	108	54	24.04	24.01	24.04	25.0	0.0
40	PI/2 BPSK	108	108	23.62	23.67	23.72	24.5	0.5
40	PI/2 BPSK	216	0	23.60	23.65	23.52		
40	QPSK	1	1	24.25	24.36	24.21	25.0	0.0
40	QPSK	1	108	23.90	24.07	23.99		
40	QPSK	1	214	24.01	24.16	23.90		
40	QPSK	108	0	23.12	23.13	23.04	24.0	1.0
40	QPSK	108	54	23.90	24.26	23.90	25.0	0.0
40	QPSK	108	108	23.05	23.13	23.12	24.0	1.0
40	QPSK	216	0	23.04	23.07	23.03		
40	16QAM	1	1	23.36	23.45	23.37	24.0	1.0
40	64QAM	1	1	21.63	21.83	21.54	22.5	2.5
40	256QAM	1	1	19.58	19.65	19.39	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.13	24.26	24.14	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.19	24.32	24.09	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.20	24.22	24.10	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.23	24.25	24.18	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.19	24.25	24.17	25.0	0.0

n41 PC2&PC3 Ant5 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.15	19.26	19.05	20.4	0.0
100	PI/2 BPSK	1	137	18.99	19.21	18.98		
100	PI/2 BPSK	1	271	18.78	18.94	18.79		
100	PI/2 BPSK	135	0	19.07	19.23	18.97	20.4	0.0
100	PI/2 BPSK	135	69	19.13	19.22	18.92	20.4	0.0
100	PI/2 BPSK	135	138	18.95	19.12	18.93	20.4	0.0
100	PI/2 BPSK	270	0	18.97	19.11	19.08		
100	QPSK	1	1	19.21	19.35	19.09	20.4	0.0
100	QPSK	1	137	19.05	19.25	19.05		
100	QPSK	1	271	18.88	19.00	18.85		
100	QPSK	135	0	19.11	19.31	19.07	20.4	0.0
100	QPSK	135	69	19.17	19.32	19.01	20.4	0.0
100	QPSK	135	138	18.98	19.20	19.02	20.4	0.0
100	QPSK	270	0	19.05	19.21	19.16		
100	16QAM	1	1	19.17	19.33	19.02	20.4	0.0
100	64QAM	1	1	18.97	19.21	19.01	20.4	0.0
100	256QAM	1	1	18.82	18.98	18.80	20.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.13	19.32	19.01	20.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.14	19.30	19.03	20.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.15	19.32	19.06	20.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.18	19.32	19.00	20.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.12	19.29	19.03	20.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.17	19.30	19.06	20.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.16	19.33	19.04	20.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.17	19.31	19.03	20.4	0.0

n41 PC2&PC3 Ant6 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	20.3	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.99	19.17	18.96	20.3	0.0
100	PI/2 BPSK	1	137	18.89	19.05	18.88		
100	PI/2 BPSK	1	271	18.89	19.07	18.99		
100	PI/2 BPSK	135	0	19.02	19.13	19.04	20.3	0.0
100	PI/2 BPSK	135	69	19.05	19.12	19.00	20.3	0.0
100	PI/2 BPSK	135	138	18.93	19.11	18.88	20.3	0.0
100	PI/2 BPSK	270	0	18.91	19.02	19.04		
100	QPSK	1	1	19.08	19.22	19.06	20.3	0.0
100	QPSK	1	137	18.95	19.14	18.96		
100	QPSK	1	271	18.93	19.10	19.06		
100	QPSK	135	0	19.01	19.13	18.96	20.3	0.0
100	QPSK	135	69	19.02	19.17	18.98	20.3	0.0
100	QPSK	135	138	18.88	19.07	18.90	20.3	0.0
100	QPSK	270	0	18.87	19.08	19.01		
100	16QAM	1	1	19.01	19.18	18.99	20.3	0.0
100	64QAM	1	1	18.87	19.12	18.92	20.3	0.0
100	256QAM	1	1	18.89	19.07	19.01	20.3	0.0
Channel				508200	518598	528996	20.3	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.00	19.13	18.99	20.3	0.0
Channel				507204	518598	529998	20.3	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.03	19.16	18.99	20.3	0.0
Channel				506202	518598	531000	20.3	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.00	19.17	18.98	20.3	0.0
Channel				505200	518598	531996	20.3	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.01	19.13	19.02	20.3	0.0
Channel				504204	518598	532998	20.3	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.06	19.19	18.96	20.3	0.0
Channel				503202	518598	534000	20.3	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.03	19.20	19.01	20.3	0.0
Channel				502200	518598	534996	20.3	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.01	19.13	19.00	20.3	0.0
Channel				501204	518598	535998	20.3	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.05	19.17	18.97	20.3	0.0

Part270 n77 PC2&PC3 Ant6 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.28	19.47	19.22	20.1	0.0
100	PI/2 BPSK	1	137	19.35	19.41	19.37		
100	PI/2 BPSK	1	271	19.27	19.27	19.25		
100	PI/2 BPSK	135	0	19.31	19.50	19.28	20.1	0.0
100	PI/2 BPSK	135	69	19.27	19.49	19.27	20.1	0.0
100	PI/2 BPSK	135	138	19.34	19.39	19.33	20.1	0.0
100	PI/2 BPSK	270	0	19.27	19.32	19.19		
100	QPSK	1	1	19.35	19.55	19.32	20.1	0.0
100	QPSK	1	137	19.41	19.47	19.41		
100	QPSK	1	271	19.35	19.37	19.29		
100	QPSK	135	0	19.29	19.46	19.28	20.1	0.0
100	QPSK	135	69	19.32	19.53	19.24	20.1	0.0
100	QPSK	135	138	19.37	19.42	19.37	20.1	0.0
100	QPSK	270	0	19.29	19.30	19.24		
100	16QAM	1	1	19.28	19.52	19.23	20.1	0.0
100	64QAM	1	1	19.32	19.44	19.34	20.1	0.0
100	256QAM	1	1	19.26	19.35	19.25	20.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.27	19.46	19.24	20.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.32	19.48	19.24	20.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.32	19.52	19.26	20.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.32	19.47	19.29	20.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.31	19.53	19.28	20.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.26	19.53	19.30	20.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.31	19.50	19.22	20.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		

20	QPSK	1	1	19.29	19.48	19.23	20.1	0.0

Part27Q n77 PC2&PC3 Ant6 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		20.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.53		20.1	0.0
100	PI/2 BPSK	1	137		19.32			
100	PI/2 BPSK	1	271		19.33			
100	PI/2 BPSK	135	0		19.37		20.1	0.0
100	PI/2 BPSK	135	69		19.51		20.1	0.0
100	PI/2 BPSK	135	138		19.40		20.1	0.0
100	PI/2 BPSK	270	0		19.42			
100	QPSK	1	1		19.62		20.1	0.0
100	QPSK	1	137		19.41			
100	QPSK	1	271		19.41			
100	QPSK	135	0		19.45		20.1	0.0
100	QPSK	135	69		19.54		20.1	0.0
100	QPSK	135	138		19.48		20.1	0.0
100	QPSK	270	0		19.44			
100	16QAM	1	1		19.55		20.1	0.0
100	64QAM	1	1		19.36		20.1	0.0
100	256QAM	1	1		19.32		20.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.53	19.57	19.58	20.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.57	19.52	19.60	20.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.56	19.54	19.60	20.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.60	19.54	19.53	20.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.53	19.54	19.58	20.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.58	19.54	19.55	20.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.59	19.55	19.56	20.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		

20	QPSK	1	1	19.53	19.57	19.59	20.1	0.0

Part270 n78 PC2&PC3 Ant6 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.41		20.1	0.0
100	PI/2 BPSK	1	137		19.33			
100	PI/2 BPSK	1	271		19.20			
100	PI/2 BPSK	135	0		19.42		20.1	0.0
100	PI/2 BPSK	135	69		19.40		20.1	0.0
100	PI/2 BPSK	135	138		19.31		18.6	1.5
100	PI/2 BPSK	270	0		19.29			
100	QPSK	1	1		19.52		20.1	0.0
100	QPSK	1	137		19.39			
100	QPSK	1	271		19.30			
100	QPSK	135	0		19.37		20.1	0.0
100	QPSK	135	69		19.44		20.1	0.0
100	QPSK	135	138		19.34		20.1	0.0
100	QPSK	270	0		19.21			
100	16QAM	1	1		19.50		18.1	2.0
100	64QAM	1	1		19.40		17.1	3.0
100	256QAM	1	1		19.27		20.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.50	19.44	19.48	20.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.46	19.46	19.47	20.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.46	19.43	19.45	20.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.48	19.49	19.43	20.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.42	19.48	19.50	20.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.44	19.46	19.43	20.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.49	19.44	19.44	20.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		

20	QPSK	1	1	19.47	19.47	19.42	20.1	0.0

Part27Q n78 PC2&PC3 Ant6 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.46		20.1	0.0
100	PI/2 BPSK	1	137		19.26			
100	PI/2 BPSK	1	271		19.27			
100	PI/2 BPSK	135	0		19.28		20.1	0.0
100	PI/2 BPSK	135	69		19.42		20.1	0.0
100	PI/2 BPSK	135	138		19.33		18.1	2.0
100	PI/2 BPSK	270	0		19.35			
100	QPSK	1	1		19.52		20.1	0.0
100	QPSK	1	137		19.33			
100	QPSK	1	271		19.39			
100	QPSK	135	0		19.39		20.1	0.0
100	QPSK	135	69		19.47		20.1	0.0
100	QPSK	135	138		19.45		20.1	0.0
100	QPSK	270	0		19.39			
100	16QAM	1	1		19.51		18.6	1.5
100	64QAM	1	1		19.33		17.1	3.0
100	256QAM	1	1		19.23		15.1	5.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.42	19.45	19.46	20.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.46	19.43	19.50	20.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.48	19.43	19.42	20.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.46	19.48	19.45	20.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.45	19.44	19.49	20.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.44	19.47	19.47	20.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.45	19.45	19.44	20.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		

20	QPSK	1	1	19.42	19.45	19.50	20.1	0.0

Part96 n77 PC3 Ant6 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	20.1	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.85	18.96	18.90		
100	PI/2 BPSK	1	137	18.53	18.56	18.58	20.1	0.0
100	PI/2 BPSK	1	271	18.50	18.46	18.44		
100	PI/2 BPSK	135	0	18.88	18.91	18.88		
100	PI/2 BPSK	135	69	18.86	18.92	18.93	20.1	0.0
100	PI/2 BPSK	135	138	18.56	18.55	18.54	20.1	0.0
100	PI/2 BPSK	270	0	18.50	18.49	18.48		
100	QPSK	1	1	18.96	19.01	18.98		
100	QPSK	1	137	18.63	18.61	18.64	20.1	0.0
100	QPSK	1	271	18.59	18.57	18.53		
100	QPSK	135	0	18.89	18.88	18.94		
100	QPSK	135	69	18.86	18.95	18.89	20.1	0.0
100	QPSK	135	138	18.57	18.53	18.59	20.1	0.0
100	QPSK	270	0	18.78	18.88	18.72		
100	16QAM	1	1	18.86	18.90	18.88		
100	64QAM	1	1	18.56	18.53	18.53	20.1	0.0
100	256QAM	1	1	18.54	18.51	18.47	20.1	0.0
Channel				639668	641666	643666	20.1	0.0
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.89	18.90	18.93		
Channel				639334	641666	644000	20.1	0.0
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.88	18.95	18.91		
Channel				639000	641666	644332	20.1	0.0
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.89	18.93	18.93		
Channel				638668	641666	644666	20.1	0.0
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.91	18.97	18.89		
Channel				638334	641666	645000	20.1	0.0
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.89	18.95	18.86		
Channel				638000	641666	645332	20.1	0.0
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	18.89	18.90	18.92		
Channel				637668	641666	645666	20.1	0.0
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.88	18.94	18.90		
Channel				637334	641666	646000	20.1	0.0
Frequency (MHz)				3560.01	3624.99	3690		

20	QPSK	1	1	18.90	18.91	18.90	20.1	0.0

Part96 n78 PC3 Ant6 DS10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	20.1	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.75	18.90	18.85		
100	PI/2 BPSK	1	137	18.45	18.50	18.52	20.1	0.0
100	PI/2 BPSK	1	271	18.40	18.36	18.39		
100	PI/2 BPSK	135	0	18.77	18.81	18.77		
100	PI/2 BPSK	135	69	18.78	18.82	18.82	20.1	0.0
100	PI/2 BPSK	135	138	18.48	18.46	18.49		
100	PI/2 BPSK	270	0	18.41	18.38	18.43		
100	QPSK	1	1	18.84	18.91	18.86	20.1	0.0
100	QPSK	1	137	18.54	18.50	18.54		
100	QPSK	1	271	18.53	18.50	18.41		
100	QPSK	135	0	18.85	18.80	18.83	20.1	0.0
100	QPSK	135	69	18.75	18.87	18.84		
100	QPSK	135	138	18.52	18.46	18.48		
100	QPSK	270	0	18.71	18.78	18.61	20.1	0.0
100	16QAM	1	1	18.78	18.82	18.78		
100	64QAM	1	1	18.51	18.43	18.42		
100	256QAM	1	1	18.45	18.47	18.40	20.1	0.0
Channel				639668	641666	643666		
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.86	18.84	18.84	20.1	0.0
Channel				639334	641666	644000		
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.86	18.85	18.83	20.1	0.0
Channel				639000	641666	644332		
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.85	18.80	18.85	20.1	0.0
Channel				638668	641666	644666		
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.84	18.82	18.87	20.1	0.0
Channel				638334	641666	645000		
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.81	18.81	18.80	20.1	0.0
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	18.82	18.86	18.82	20.1	0.0
Channel				637668	641666	645666		
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.81	18.82	18.82	20.1	0.0
Channel				637334	641666	646000		
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.85	18.79	18.80	20.1	0.0

Reduced Power Mode for DSI 1

n5 Ant0 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.54	23.59	23.48	25.0	0.0
20	PI/2 BPSK	1	53	23.36	23.53	23.49		
20	PI/2 BPSK	1	104	23.39	23.48	23.45		
20	PI/2 BPSK	50	0	23.13	23.25	23.20	24.5	0.5
20	PI/2 BPSK	50	28	23.44	23.61	23.53	25.0	0.0
20	PI/2 BPSK	50	56	23.13	23.22	23.05	24.5	0.5
20	PI/2 BPSK	100	0	23.20	23.27	23.17		
20	QPSK	1	1	23.62	23.69	23.66	25.0	0.0
20	QPSK	1	53	23.63	23.61	23.61		
20	QPSK	1	104	23.65	23.68	23.62		
20	QPSK	50	0	22.67	22.74	22.71	24.0	1.0
20	QPSK	50	28	23.59	23.63	23.62	25.0	0.0
20	QPSK	50	56	22.50	22.68	22.63	24.0	1.0
20	QPSK	100	0	22.74	22.82	22.78		
20	16QAM	1	1	22.72	22.79	22.70	24.0	1.0
20	64QAM	1	1	20.77	20.88	20.83	22.5	2.5
20	256QAM	1	1	18.96	18.99	18.84	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.58	23.61	23.55	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.67	23.65	23.64	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.57	23.65	23.50	25.0	0.0

n12 Ant0 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.60	23.75	23.66	25.0	0.0
15	PI/2 BPSK	1	40	23.55	23.65	23.49		
15	PI/2 BPSK	1	77	23.65	23.69	23.55		
15	PI/2 BPSK	36	0	23.18	23.28	23.10	24.5	0.5
15	PI/2 BPSK	36	22	23.51	23.54	23.40	25.0	0.0
15	PI/2 BPSK	36	43	23.12	23.18	23.03	24.5	0.5
15	PI/2 BPSK	75	0	23.10	23.21	23.09		
15	QPSK	1	1	23.74	23.79	23.77	25.0	0.0
15	QPSK	1	40	23.58	23.75	23.62		
15	QPSK	1	77	23.72	23.78	23.74		
15	QPSK	36	0	22.82	22.87	22.80	24.0	1.0
15	QPSK	36	22	23.53	23.67	23.59	25.0	0.0
15	QPSK	36	43	22.75	22.78	22.65	24.0	1.0
15	QPSK	75	0	22.68	22.75	22.69		
15	16QAM	1	1	22.75	22.91	22.82	24.0	1.0
15	64QAM	1	1	20.93	20.96	20.92	22.5	2.5
	256QAM	1	1	19.02	19.13	18.96	20.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.63	23.63	23.74	25.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.68	23.74	23.62	25.0	0.0

n13 Ant0 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		23.67		25.0	0.0
10	PI/2 BPSK	1	26		23.63			
10	PI/2 BPSK	1	50		23.67			
10	PI/2 BPSK	25	0		23.18		24.5	0.5
10	PI/2 BPSK	25	14		23.65		25.0	0.0
10	PI/2 BPSK	25	27		23.14		24.5	0.5
10	PI/2 BPSK	50	0		23.15			
10	QPSK	1	1		23.72		25.0	0.0
10	QPSK	1	26		23.68			
10	QPSK	1	50		23.60			
10	QPSK	25	0		22.59		24.0	1.0
10	QPSK	25	14		23.55		25.0	0.0
10	QPSK	25	27		22.64		24.0	1.0
10	QPSK	50	0		22.62			
10	16QAM	1	1		22.79		24.0	1.0
10	64QAM	1	1		20.88		22.5	2.5
10	256QAM	1	1		18.97		20.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.53	23.66	23.60	25.0	0.0

n14 Ant0 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.60		25.0	0.0
10	PI/2 BPSK	1	26		23.60			
10	PI/2 BPSK	1	50		23.57			
10	PI/2 BPSK	25	0		22.75		24.5	0.5
10	PI/2 BPSK	25	14		23.53		25.0	0.0
10	PI/2 BPSK	25	27		22.69		24.5	0.5
10	PI/2 BPSK	50	0		22.70			
10	QPSK	1	1		23.69		25.0	0.0
10	QPSK	1	26		23.67			
10	QPSK	1	50		23.58			
10	QPSK	25	0		22.60		24.0	1.0
10	QPSK	25	14		23.51		25.0	0.0
10	QPSK	25	27		22.61		24.0	1.0
10	QPSK	50	0		22.53			
10	16QAM	1	1		22.68		24.0	1.0
10	64QAM	1	1		20.80		22.5	2.5
10	256QAM	1	1		18.97		20.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.44	23.58	23.36	25.0	0.0

n26 Ant0 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	23.46	23.50	23.43	25.0	0.0
20	PI/2 BPSK	1	53	23.49	23.61	23.56		
20	PI/2 BPSK	1	104	23.52	23.61	23.54		
20	PI/2 BPSK	50	0	22.56	22.70	22.58	24.5	0.5
20	PI/2 BPSK	50	28	23.33	23.48	23.39	25.0	0.0
20	PI/2 BPSK	50	56	22.74	22.84	22.66	24.5	0.5
20	PI/2 BPSK	100	0	22.74	22.81	22.70		
20	QPSK	1	1	23.57	23.73	23.55	25.0	0.0
20	QPSK	1	53	23.43	23.47	23.35		
20	QPSK	1	104	23.46	23.49	23.42		
20	QPSK	50	0	22.60	22.62	22.51	24.0	1.0
20	QPSK	50	28	23.35	23.46	23.30	25.0	0.0
20	QPSK	50	56	22.54	22.57	22.43	24.0	1.0
20	QPSK	100	0	22.53	22.66	22.55		
20	16QAM	1	1	22.63	22.80	22.67	24.0	1.0
20	64QAM	1	1	20.76	20.86	20.79	22.5	2.5
20	256QAM	1	1	18.86	19.00	18.97	20.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.44	23.49	23.41	25.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.49	23.54	23.50	25.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.47	23.51	23.52	25.0	0.0

n71 Ant0 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.47	22.59	22.51	24.0	0.0
20	PI/2 BPSK	1	53	22.52	22.57	22.45		
20	PI/2 BPSK	1	104	22.41	22.58	22.56		
20	PI/2 BPSK	50	0	22.07	22.13	22.01	23.5	0.5
20	PI/2 BPSK	50	28	22.38	22.51	22.46	24.0	0.0
20	PI/2 BPSK	50	56	21.95	22.03	21.99	23.5	0.5
20	PI/2 BPSK	100	0	21.93	22.06	22.02		
20	QPSK	1	1	22.60	22.65	22.61	24.0	0.0
20	QPSK	1	53	22.40	22.57	22.50		
20	QPSK	1	104	22.48	22.62	22.58		
20	QPSK	50	0	21.47	21.55	21.48	23.0	1.0
20	QPSK	50	28	22.36	22.48	22.34	24.0	0.0
20	QPSK	50	56	21.44	21.57	21.40	23.0	1.0
20	QPSK	100	0	21.36	21.47	21.37		
20	16QAM	1	1	21.62	21.65	21.58	23.0	1.0
20	64QAM	1	1	19.65	19.79	19.70	21.5	2.5
20	256QAM	1	1	17.62	17.76	17.66	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.57	22.55	22.45	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.53	22.57	22.58	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.48	22.53	22.59	24.0	0.0

n41 PC2&PC3 Ant0 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.15	21.08	21.04	22.0	0.0
100	PI/2 BPSK	1	137	20.95	21.04	20.88		
100	PI/2 BPSK	1	271	20.96	21.04	20.84		
100	PI/2 BPSK	135	0	21.14	21.11	20.93	22.0	0.0
100	PI/2 BPSK	135	69	20.91	20.98	20.91	22.0	0.0
100	PI/2 BPSK	135	138	20.91	20.99	20.87	22.0	0.0
100	PI/2 BPSK	270	0	20.89	21.01	20.90		
100	QPSK	1	1	21.13	21.21	21.12	22.0	0.0
100	QPSK	1	137	21.03	21.11	21.09		
100	QPSK	1	271	20.96	21.11	21.06		
100	QPSK	135	0	20.74	20.85	20.77	22.0	0.0
100	QPSK	135	69	21.01	21.12	20.98	22.0	0.0
100	QPSK	135	138	20.81	20.92	20.81	22.0	0.0
100	QPSK	270	0	20.76	20.90	20.79		
100	16QAM	1	1	20.86	20.95	20.91	22.0	0.0
100	64QAM	1	1	20.86	20.90	20.80	22.0	0.0
100	256QAM	1	1	20.88	20.95	20.91	21.5	0.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.04	21.17	21.08	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.08	21.14	21.18	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.00	21.09	21.13	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.97	21.11	21.09	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.02	21.17	21.16	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.02	21.17	21.12	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.06	21.15	21.07	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.99	21.10	21.14	22.0	0.0

n2 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.40	20.49	20.28	21.7	0.0
20	PI/2 BPSK	1	53	20.14	20.29	20.25		
20	PI/2 BPSK	1	104	20.18	20.35	20.11		
20	PI/2 BPSK	50	0	20.19	20.30	20.10	21.7	0.0
20	PI/2 BPSK	50	28	20.22	20.42	20.09	21.7	0.0
20	PI/2 BPSK	50	56	19.94	20.32	20.11	21.7	0.0
20	PI/2 BPSK	100	0	20.21	20.37	20.20		
20	QPSK	1	1	20.42	20.58	20.42	21.7	0.0
20	QPSK	1	53	20.15	20.37	20.23		
20	QPSK	1	104	20.30	20.46	20.20		
20	QPSK	50	0	20.31	20.38	20.24	21.7	0.0
20	QPSK	50	28	20.25	20.50	20.27	21.7	0.0
20	QPSK	50	56	20.02	20.31	20.22	21.7	0.0
20	QPSK	100	0	20.32	20.45	20.22		
20	16QAM	1	1	20.38	20.36	20.32	21.7	0.0
20	64QAM	1	1	20.07	20.24	20.23	21.7	0.0
20	256QAM	1	1	18.82	18.88	18.61	20.5	1.2
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.31	20.48	20.38	21.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.37	20.54	20.33	21.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.31	20.53	20.35	21.7	0.0

n25 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	20.47	20.56	20.35	21.7	0.0
40	PI/2 BPSK	1	108	20.21	20.36	20.33		
40	PI/2 BPSK	1	214	20.33	20.41	20.18		
40	PI/2 BPSK	108	0	20.33	20.42	20.26	21.7	0.0
40	PI/2 BPSK	108	54	20.38	20.55	20.22	21.7	0.0
40	PI/2 BPSK	108	108	20.09	20.38	20.22	21.7	0.0
40	PI/2 BPSK	216	0	20.33	20.43	20.34		
40	QPSK	1	1	20.51	20.63	20.46	21.7	0.0
40	QPSK	1	108	20.23	20.45	20.37		
40	QPSK	1	214	20.43	20.51	20.26		
40	QPSK	108	0	20.46	20.52	20.35	21.7	0.0
40	QPSK	108	54	20.40	20.61	20.36	21.7	0.0
40	QPSK	108	108	20.16	20.42	20.34	21.7	0.0
40	QPSK	216	0	20.38	20.57	20.37		
40	16QAM	1	1	20.47	20.49	20.42	21.7	0.0
40	64QAM	1	1	20.13	20.38	20.35	21.7	0.0
40	256QAM	1	1	18.91	18.95	18.77	20.5	1.2
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.41	20.51	20.39	21.7	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.43	20.53	20.35	21.7	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.45	20.59	20.37	21.7	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.46	20.51	20.41	21.7	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.47	20.54	20.36	21.7	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.42	20.59	20.36	21.7	0.0

n66 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	22.1	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.97	21.09	21.05		
40	PI/2 BPSK	1	108	21.00	20.99	20.88	22.1	0.0
40	PI/2 BPSK	1	214	21.10	21.10	20.96		
40	PI/2 BPSK	108	0	20.98	21.04	20.95		
40	PI/2 BPSK	108	54	20.74	20.89	20.80	22.1	0.0
40	PI/2 BPSK	108	108	21.01	21.00	20.90	22.1	0.0
40	PI/2 BPSK	216	0	21.13	21.14	21.12		
40	QPSK	1	1	21.08	21.15	21.12		
40	QPSK	1	108	21.06	21.13	20.88	22.1	0.0
40	QPSK	1	214	20.87	21.05	21.00		
40	QPSK	108	0	20.93	21.06	21.05		
40	QPSK	108	54	20.88	21.09	20.92	22.1	0.0
40	QPSK	108	108	20.92	20.97	20.94	22.1	0.0
40	QPSK	216	0	20.95	21.04	21.02		
40	16QAM	1	1	21.00	21.00	21.08		
40	64QAM	1	1	20.77	20.90	20.73	22.1	0.0
40	256QAM	1	1	18.87	18.92	18.86	20.5	1.6
Channel				345000	349000	353000	22.1	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.00	21.10	21.00		
Channel				344000	349000	354000	22.1	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.01	21.00	21.00		
Channel				343500	349000	354500	22.1	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.01	21.03	20.96		
Channel				343000	349000	355000	22.1	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.92	21.07	20.99		
Channel				342500	349000	355500	22.1	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.01	20.99	21.06		

Part270 n77 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.64	21.74	21.70	23.0	0.0
100	PI/2 BPSK	1	137	21.59	21.72	21.61		
100	PI/2 BPSK	1	271	21.74	21.82	21.63		
100	PI/2 BPSK	135	0	21.16	21.29	21.20	23.0	0.0
100	PI/2 BPSK	135	69	21.58	21.65	21.53	23.0	0.0
100	PI/2 BPSK	135	138	21.67	21.68	21.54	23.0	0.0
100	PI/2 BPSK	270	0	21.81	21.88	21.77		
100	QPSK	1	1	21.86	22.00	21.93	23.0	0.0
100	QPSK	1	137	21.77	21.78	21.75		
100	QPSK	1	271	21.85	21.97	21.84		
100	QPSK	135	0	21.61	21.80	21.65	23.0	0.0
100	QPSK	135	69	21.73	21.85	21.80	23.0	0.0
100	QPSK	135	138	21.61	21.75	21.68	23.0	0.0
100	QPSK	270	0	21.72	21.77	21.74		
100	16QAM	1	1	21.63	21.85	21.79	23.0	0.0
100	64QAM	1	1	21.90	21.89	21.98	23.0	0.0
100	256QAM	1	1	20.26	20.32	20.29	22.0	1.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.74	21.95	21.85	23.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.78	21.86	21.87	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.74	21.95	21.82	23.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.73	21.88	21.78	23.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.79	21.89	21.86	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.75	21.95	21.82	23.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.77	21.94	21.84	23.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.76	21.89	21.79	23.0	0.0



Part270 n77 PC2 Ant2 DSI1								
BW [MHz]	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	22.76	22.86	22.68	23.6	0.0
100	PI/2 BPSK	1	137	22.70	22.70	22.61		
100	PI/2 BPSK	1	271	22.65	22.77	22.60		
100	PI/2 BPSK	135	0	22.79	22.84	22.64	23.6	0.0
100	PI/2 BPSK	135	69	22.65	22.71	22.63	23.6	0.0
100	PI/2 BPSK	135	138	22.58	22.73	22.63	23.6	0.0
100	PI/2 BPSK	270	0	22.69	22.72	22.65		
100	QPSK	1	1	22.86	22.92	22.90	23.6	0.0
100	QPSK	1	137	22.77	22.83	22.73		
100	QPSK	1	271	22.72	22.82	22.78		
100	QPSK	135	0	22.49	22.63	22.59	21.6	2.0
100	QPSK	135	69	22.75	22.86	22.74	23.6	0.0
100	QPSK	135	138	22.50	22.63	22.58	23.6	0.0
100	QPSK	270	0	22.46	22.64	22.46		
100	16QAM	1	1	22.59	22.71	22.60	23.6	0.0
100	64QAM	1	1	22.60	22.57	22.50	23.6	0.0
100	256QAM	1	1	20.41	20.51	20.41	21.5	2.1
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.77	22.81	22.84	23.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.73	22.77	22.86	23.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.82	22.88	22.84	23.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.79	22.79	22.79	23.6	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.75	22.80	22.83	23.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.74	22.76	22.77	23.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.76	22.82	22.87	23.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.72	22.83	22.77	23.6	0.0

Part27Q n77 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.59		23.0	0.0
100	PI/2 BPSK	1	137		21.59			
100	PI/2 BPSK	1	271		21.48			
100	PI/2 BPSK	135	0		21.64		23.0	0.0
100	PI/2 BPSK	135	69		21.45		23.0	0.0
100	PI/2 BPSK	135	138		21.60		23.0	0.0
100	PI/2 BPSK	270	0		21.62			
100	QPSK	1	1		21.67		23.0	0.0
100	QPSK	1	137		21.52			
100	QPSK	1	271		21.39			
100	QPSK	135	0		21.45		23.0	0.0
100	QPSK	135	69		21.65		23.0	0.0
100	QPSK	135	138		21.61		23.0	0.0
100	QPSK	270	0		21.60			
100	16QAM	1	1		21.40		23.0	0.0
100	64QAM	1	1		21.10		23.0	0.0
100	256QAM	1	1		20.04		22.0	1.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.43	21.59	21.55	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.45	21.55	21.55	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.51	21.54	21.52	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.50	21.52	21.53	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.43	21.57	21.51	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.40	21.55	21.49	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.39	21.54	21.55	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.45	21.53	21.53	23.0	0.0



Part27Q n77 PC2 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.13		23.6	0.0
100	PI/2 BPSK	1	137		21.97			
100	PI/2 BPSK	1	271		22.04			
100	PI/2 BPSK	135	0		22.09		23.6	0.0
100	PI/2 BPSK	135	69		21.94		23.6	0.0
100	PI/2 BPSK	135	138		21.95		23.6	0.0
100	PI/2 BPSK	270	0		21.93			
100	QPSK	1	1		22.17		23.6	0.0
100	QPSK	1	137		22.06			
100	QPSK	1	271		22.09			
100	QPSK	135	0		21.84		23.6	0.0
100	QPSK	135	69		22.12		23.6	0.0
100	QPSK	135	138		21.91		23.6	0.0
100	QPSK	270	0		21.92			
100	16QAM	1	1		21.90		23.6	0.0
100	64QAM	1	1		21.77		23.6	0.0
100	256QAM	1	1		19.69		21.5	2.1
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.03	22.04	22.04	23.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.02	22.02	22.07	23.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.00	22.01	22.08	23.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.04	22.09	22.09	23.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.99	22.00	22.06	23.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.01	22.03	22.05	23.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.03	22.03	22.04	23.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.04	22.08	22.04	23.6	0.0



Part270 n78 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.88		23.0	0.0
100	PI/2 BPSK	1	137		21.89			
100	PI/2 BPSK	1	271		21.94			
100	PI/2 BPSK	135	0		21.82		23.0	0.0
100	PI/2 BPSK	135	69		21.81		23.0	0.0
100	PI/2 BPSK	135	138		21.75		23.0	0.0
100	PI/2 BPSK	270	0		21.95			
100	QPSK	1	1		22.01		23.0	0.0
100	QPSK	1	137		21.89			
100	QPSK	1	271		21.99			
100	QPSK	135	0		21.83		23.0	0.0
100	QPSK	135	69		21.88		23.0	0.0
100	QPSK	135	138		21.68		23.0	0.0
100	QPSK	270	0		21.76			
100	16QAM	1	1		21.94		23.0	0.0
100	64QAM	1	1		21.90		23.0	0.0
100	256QAM	1	1		20.40		22.0	1.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.82	21.90	21.79	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.83	21.94	21.85	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.82	21.90	21.82	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.89	21.86	21.79	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.82	21.86	21.85	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.83	21.90	21.84	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.91	21.86	21.77	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.90	21.91	21.77	23.0	0.0



Part270 n78 PC2 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.74		23.6	0.0
100	PI/2 BPSK	1	137		22.57			
100	PI/2 BPSK	1	271		22.63			
100	PI/2 BPSK	135	0		22.73		23.6	0.0
100	PI/2 BPSK	135	69		22.66		23.6	0.0
100	PI/2 BPSK	135	138		22.64		23.6	0.0
100	PI/2 BPSK	270	0		22.67			
100	QPSK	1	1		22.82		23.6	0.0
100	QPSK	1	137		22.68			
100	QPSK	1	271		22.75			
100	QPSK	135	0		22.49		23.6	0.0
100	QPSK	135	69		22.73		23.6	0.0
100	QPSK	135	138		22.51		23.6	0.0
100	QPSK	270	0		22.57			
100	16QAM	1	1		22.61		23.6	0.0
100	64QAM	1	1		22.49		23.6	0.0
100	256QAM	1	1		20.38		21.5	2.1
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.70	22.69	22.79	23.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.67	22.72	22.80	23.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.70	22.67	22.74	23.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.67	22.68	22.71	23.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.72	22.68	22.71	23.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.67	22.77	22.75	23.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.65	22.71	22.70	23.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.71	22.73	22.74	23.6	0.0

Part27Q n78 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		22.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.16		22.0	0.0
100	PI/2 BPSK	1	137		21.13			
100	PI/2 BPSK	1	271		21.22			
100	PI/2 BPSK	135	0		21.24		22.0	0.0
100	PI/2 BPSK	135	69		21.07		22.0	0.0
100	PI/2 BPSK	135	138		21.12		22.0	0.0
100	PI/2 BPSK	270	0		21.23			
100	QPSK	1	1		21.28		22.0	0.0
100	QPSK	1	137		21.18			
100	QPSK	1	271		21.12			
100	QPSK	135	0		21.19		22.0	0.0
100	QPSK	135	69		21.23		22.0	0.0
100	QPSK	135	138		21.18		22.0	0.0
100	QPSK	270	0		21.23			
100	16QAM	1	1		21.28		22.0	0.0
100	64QAM	1	1		20.85		22.0	0.0
100	256QAM	1	1		19.69		20.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.13	21.18	21.00	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.11	21.23	21.03	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.14	21.18	21.00	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.03	21.12	20.97	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.13	21.20	21.04	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.03	21.15	21.05	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.12	21.21	21.04	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.10	21.12	21.00	22.0	0.0



Part27Q n78 PC2 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.74		23.6	0.0
100	PI/2 BPSK	1	137		21.85			
100	PI/2 BPSK	1	271		21.89			
100	PI/2 BPSK	135	0		21.69		23.6	0.0
100	PI/2 BPSK	135	69		21.69		23.6	0.0
100	PI/2 BPSK	135	138		21.62		23.6	0.0
100	PI/2 BPSK	270	0		21.85			
100	QPSK	1	1		21.90		23.6	0.0
100	QPSK	1	137		21.74			
100	QPSK	1	271		21.89			
100	QPSK	135	0		21.68		23.6	0.0
100	QPSK	135	69		21.76		23.6	0.0
100	QPSK	135	138		21.65		23.6	0.0
100	QPSK	270	0		21.64			
100	16QAM	1	1		21.85		23.6	0.0
100	64QAM	1	1		21.78		23.6	0.0
100	256QAM	1	1		20.34		21.5	2.1
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.69	21.80	21.64	23.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.75	21.76	21.71	23.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.78	21.76	21.69	23.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.68	21.81	21.73	23.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.72	21.85	21.64	23.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.71	21.79	21.63	23.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.74	21.75	21.71	23.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.72	21.84	21.71	23.6	0.0

Part96 n77 PC3 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.39	21.52	21.55	23.0	0.0
100	PI/2 BPSK	1	137	21.36	21.53	21.40		
100	PI/2 BPSK	1	271	21.60	21.61	21.42		
100	PI/2 BPSK	135	0	21.03	21.11	21.04	23.0	0.0
100	PI/2 BPSK	135	69	21.43	21.48	21.34	23.0	0.0
100	PI/2 BPSK	135	138	21.51	21.52	21.29	23.0	0.0
100	PI/2 BPSK	270	0	21.61	21.64	21.61		
100	QPSK	1	1	21.73	21.82	21.74	23.0	0.0
100	QPSK	1	137	21.56	21.65	21.56		
100	QPSK	1	271	21.59	21.78	21.69		
100	QPSK	135	0	21.48	21.67	21.48	23.0	0.0
100	QPSK	135	69	21.47	21.69	21.54	23.0	0.0
100	QPSK	135	138	21.41	21.60	21.45	23.0	0.0
100	QPSK	270	0	21.50	21.59	21.49		
100	16QAM	1	1	21.47	21.62	21.57	23.0	0.0
100	64QAM	1	1	21.75	21.74	21.52	23.0	0.0
100	256QAM	1	1	20.02	20.10	20.10	21.0	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.48	21.62	21.52	23.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.51	21.69	21.52	23.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.52	21.61	21.51	23.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.58	21.58	21.55	23.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.59	21.62	21.55	23.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	21.60	21.64	21.60	23.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.54	21.64	21.59	23.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.58	21.68	21.58	23.0	0.0

Part96 n78 PC3 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	23.0	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.24	21.30	21.37		
100	PI/2 BPSK	1	137	21.20	21.29	21.19	23.0	0.0
100	PI/2 BPSK	1	271	21.44	21.41	21.19		
100	PI/2 BPSK	135	0	20.85	20.91	20.88		
100	PI/2 BPSK	135	69	21.20	21.27	21.17	23.0	0.0
100	PI/2 BPSK	135	138	21.27	21.31	21.14		
100	PI/2 BPSK	270	0	21.47	21.45	21.35		
100	QPSK	1	1	21.55	21.59	21.54	23.0	0.0
100	QPSK	1	137	21.36	21.52	21.40		
100	QPSK	1	271	21.37	21.58	21.52		
100	QPSK	135	0	21.31	21.41	21.30	23.0	0.0
100	QPSK	135	69	21.28	21.55	21.39		
100	QPSK	135	138	21.23	21.35	21.22		
100	QPSK	270	0	21.32	21.33	21.24	23.0	0.0
100	16QAM	1	1	21.29	21.37	21.39		
100	64QAM	1	1	21.55	21.56	21.28		
100	256QAM	1	1	19.81	19.90	19.95	21.0	2.0
Channel				639668	641666	643666	23.0	0.0
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.39	21.40	21.38		
Channel				639334	641666	644000	23.0	0.0
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.31	21.35	21.30		
Channel				639000	641666	644332	23.0	0.0
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.39	21.40	21.39		
Channel				638668	641666	644666	23.0	0.0
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.41	21.37	21.36		
Channel				638334	641666	645000	23.0	0.0
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.29	21.41	21.33		
Channel				638000	641666	645332	23.0	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	21.36	21.40	21.32		
Channel				637668	641666	645666	23.0	0.0
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.41	21.38	21.37		
Channel				637334	641666	646000	23.0	0.0
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.37	21.41	21.31		

n7 Ant3 DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	17.54	17.58	17.52	18.7	0.0
40	PI/2 BPSK	1	108	17.34	17.43	17.34		
40	PI/2 BPSK	1	214	17.34	17.54	17.35		
40	PI/2 BPSK	108	0	17.45	17.53	17.45	18.7	0.0
40	PI/2 BPSK	108	54	17.44	17.55	17.38	18.7	0.0
40	PI/2 BPSK	108	108	17.34	17.49	17.20	18.7	0.0
40	PI/2 BPSK	216	0	17.51	17.49	17.40		
40	QPSK	1	1	17.59	17.66	17.62	18.7	0.0
40	QPSK	1	108	17.43	17.55	17.39		
40	QPSK	1	214	17.40	17.61	17.48		
40	QPSK	108	0	17.51	17.59	17.50	18.7	0.0
40	QPSK	108	54	17.57	17.63	17.51	18.7	0.0
40	QPSK	108	108	17.39	17.51	17.30	18.7	0.0
40	QPSK	216	0	17.55	17.59	17.53		
40	16QAM	1	1	17.50	17.53	17.51	18.7	0.0
40	64QAM	1	1	17.38	17.52	17.34	18.7	0.0
40	256QAM	1	1	17.35	17.57	17.42	18.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.46	17.57	17.54	18.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.48	17.60	17.50	18.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	17.54	17.54	17.58	18.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.49	17.63	17.48	18.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.47	17.56	17.52	18.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.45	17.56	17.48	18.7	0.0

n30 Ant3 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		19.42		20.6	0.0
10	PI/2 BPSK	1	26		19.42			
10	PI/2 BPSK	1	50		19.35			
10	PI/2 BPSK	25	0		19.47		20.6	0.0
10	PI/2 BPSK	25	14		19.47		20.6	0.0
10	PI/2 BPSK	25	27		19.43		20.6	0.0
10	PI/2 BPSK	50	0		19.36			
10	QPSK	1	1		19.54		20.6	0.0
10	QPSK	1	26		19.47			
10	QPSK	1	50		19.45			
10	QPSK	25	0		19.45		20.6	0.0
10	QPSK	25	14		19.51		19.6	1.0
10	QPSK	25	27		19.46		20.6	0.0
10	QPSK	50	0		19.44			
10	16QAM	1	1		19.42		20.6	0.0
10	64QAM	1	1		19.43		20.6	0.0
10	256QAM	1	1		19.34		20.5	0.1
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	19.51	19.41	19.51	20.6	0.0

n38 Ant3 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.47	17.48	17.35	18.9	0.0
40	PI/2 BPSK	1	53	17.31	17.26	17.29		
40	PI/2 BPSK	1	104	17.27	17.34	17.24		
40	PI/2 BPSK	50	0	17.41	17.46	17.31	18.9	0.0
40	PI/2 BPSK	50	28	17.28	17.39	17.31	18.9	0.0
40	PI/2 BPSK	50	56	17.30	17.43	17.24	18.9	0.0
40	PI/2 BPSK	100	0	17.34	17.36	17.32		
40	QPSK	1	1	17.46	17.56	17.51	18.9	0.0
40	QPSK	1	53	17.34	17.50	17.44		
40	QPSK	1	104	17.45	17.51	17.42		
40	QPSK	50	0	17.15	17.29	17.14	18.9	0.0
40	QPSK	50	28	17.36	17.55	17.30	18.9	0.0
40	QPSK	50	56	17.18	17.26	17.17	18.9	0.0
40	QPSK	100	0	17.14	17.25	17.08		
40	16QAM	1	1	17.20	17.31	17.20	18.9	0.0
40	64QAM	1	1	17.13	17.26	17.06	18.9	0.0
40	256QAM	1	1	17.22	17.25	17.11	18.9	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	17.30	17.46	17.39	18.9	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	17.42	17.48	17.44	18.9	0.0

n41 PC2&PC3 Ant3 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.55	17.64	17.42		
100	PI/2 BPSK	1	137	17.43	17.41	17.42	18.9	0.0
100	PI/2 BPSK	1	271	17.36	17.47	17.30		
100	PI/2 BPSK	135	0	17.48	17.60	17.45		
100	PI/2 BPSK	135	69	17.38	17.50	17.44	18.9	0.0
100	PI/2 BPSK	135	138	17.35	17.47	17.37	18.9	0.0
100	PI/2 BPSK	270	0	17.41	17.50	17.38		
100	QPSK	1	1	17.56	17.66	17.61		
100	QPSK	1	137	17.40	17.56	17.50	18.9	0.0
100	QPSK	1	271	17.51	17.60	17.51		
100	QPSK	135	0	17.24	17.34	17.24		
100	QPSK	135	69	17.51	17.61	17.41	18.9	0.0
100	QPSK	135	138	17.33	17.39	17.24	18.9	0.0
100	QPSK	270	0	17.26	17.40	17.23		
100	16QAM	1	1	17.27	17.37	17.26		
100	64QAM	1	1	17.28	17.33	17.22	18.9	0.0
100	256QAM	1	1	17.33	17.36	17.24	18.9	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.41	17.58	17.59		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.40	17.57	17.60		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.42	17.55	17.50		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.41	17.61	17.57		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.51	17.56	17.62		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.45	17.65	17.56		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.42	17.63	17.57		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.43	17.58	17.52		

Part270 n77 PC2 Ant3 DSI1								
BW [MHz]	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	18.24	18.22	18.04	18.9	0.0
100	PI/2 BPSK	1	137	18.01	18.09	18.00		
100	PI/2 BPSK	1	271	17.98	18.13	17.88		
100	PI/2 BPSK	135	0	18.17	18.22	18.10	18.9	0.0
100	PI/2 BPSK	135	69	18.02	18.14	18.01	18.9	0.0
100	PI/2 BPSK	135	138	17.99	18.15	18.02	18.9	0.0
100	PI/2 BPSK	270	0	18.05	18.04	18.02		
100	QPSK	1	1	18.28	18.31	18.23	18.9	0.0
100	QPSK	1	137	18.12	18.24	18.22		
100	QPSK	1	271	18.07	18.29	18.18		
100	QPSK	135	0	17.90	18.00	17.96	18.9	0.0
100	QPSK	135	69	18.08	18.23	18.12	18.9	0.0
100	QPSK	135	138	17.90	18.02	17.94	18.9	0.0
100	QPSK	270	0	17.85	17.99	17.92		
100	16QAM	1	1	17.90	18.03	17.89	18.9	0.0
100	64QAM	1	1	17.96	18.08	17.94	18.9	0.0
100	256QAM	1	1	17.93	18.07	17.95	18.9	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.18	18.14	18.19	18.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.15	18.23	18.15	18.9	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.23	18.22	18.20	18.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.18	18.16	18.25	18.9	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.14	18.20	18.24	18.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.15	18.20	18.24	18.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.21	18.24	18.23	18.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.14	18.24	18.22	18.9	0.0

Part27Q n77 PC2 Ant3 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.96		18.9	0.0
100	PI/2 BPSK	1	137		17.78			
100	PI/2 BPSK	1	271		17.78			
100	PI/2 BPSK	135	0		18.00		18.9	0.0
100	PI/2 BPSK	135	69		17.87		18.9	0.0
100	PI/2 BPSK	135	138		17.81		18.9	0.0
100	PI/2 BPSK	270	0		17.74			
100	QPSK	1	1		18.01		18.9	0.0
100	QPSK	1	137		17.90			
100	QPSK	1	271		17.93			
100	QPSK	135	0		17.67		18.9	0.0
100	QPSK	135	69		17.91		18.9	0.0
100	QPSK	135	138		17.72		18.9	0.0
100	QPSK	270	0		17.67			
100	16QAM	1	1		17.81		18.9	0.0
100	64QAM	1	1		17.72		18.9	0.0
100	256QAM	1	1		17.71		18.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.91	17.98	17.90	18.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.86	17.95	17.98	18.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.88	17.95	17.96	18.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.86	17.99	17.92	18.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.91	17.94	17.88	18.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.96	17.96	17.98	18.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.87	17.95	17.93	18.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.93	17.89	17.98	18.9	0.0

Part270 n78 PC2 Ant3 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.08			
100	PI/2 BPSK	1	137		18.01		18.9	0.0
100	PI/2 BPSK	1	271		18.06			
100	PI/2 BPSK	135	0		18.16			
100	PI/2 BPSK	135	69		18.00		18.9	0.0
100	PI/2 BPSK	135	138		18.02		18.9	0.0
100	PI/2 BPSK	270	0		17.98			
100	QPSK	1	1		18.20		18.9	0.0
100	QPSK	1	137		18.13			
100	QPSK	1	271		18.19			
100	QPSK	135	0		17.89		18.9	0.0
100	QPSK	135	69		18.19		18.9	0.0
100	QPSK	135	138		17.89		18.9	0.0
100	QPSK	270	0		17.86			
100	16QAM	1	1		17.94		18.9	0.0
100	64QAM	1	1		17.99		18.9	0.0
100	256QAM	1	1		17.95		18.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.06	18.09	18.09	18.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.09	18.09	18.04	18.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.05	18.00	18.09	18.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.09	18.05	18.13	18.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.04	18.06	18.07	18.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.05	18.03	18.04	18.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.13	17.99	18.03	18.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.10	18.04	18.08	18.9	0.0

Part27Q n78 PC2 Ant3 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.82		18.9	0.0
100	PI/2 BPSK	1	137		17.71			
100	PI/2 BPSK	1	271		17.68			
100	PI/2 BPSK	135	0		17.92		18.9	0.0
100	PI/2 BPSK	135	69		17.71		18.9	0.0
100	PI/2 BPSK	135	138		17.76		18.9	0.0
100	PI/2 BPSK	270	0		17.64			
100	QPSK	0.0	1		17.95		18.9	0.0
100	QPSK	1	137		17.84			
100	QPSK	1	271		17.78			
100	QPSK	135	0		17.55		18.9	0.0
100	QPSK	135	69		17.87		18.9	0.0
100	QPSK	135	138		17.60		18.9	0.0
100	QPSK	270	0		17.56			
100	16QAM	1	1		17.70		18.9	0.0
100	64QAM	1	1		17.60		18.9	0.0
100	256QAM	1	1		17.61		18.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.81	17.92	17.83	18.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.79	17.85	17.83	18.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.83	17.82	17.85	18.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.80	17.90	17.78	18.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.77	17.93	17.84	18.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.84	17.91	17.82	18.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.75	17.92	17.82	18.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.77	17.88	17.78	18.9	0.0

Part96 n77 PC3 Ant3 DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.03	18.10	17.98		
100	PI/2 BPSK	1	137	17.85	17.96	17.87	18.9	0.0
100	PI/2 BPSK	1	271	17.87	17.93	17.74		
100	PI/2 BPSK	135	0	18.02	18.11	17.90		
100	PI/2 BPSK	135	69	17.84	17.93	17.85	18.9	0.0
100	PI/2 BPSK	135	138	17.76	17.96	17.88	18.9	0.0
100	PI/2 BPSK	270	0	17.85	17.89	17.92		
100	QPSK	1	1	18.11	18.15	18.12	18.9	0.0
100	QPSK	1	137	17.92	18.03	18.00		
100	QPSK	1	271	17.98	18.04	17.96		
100	QPSK	135	0	17.69	17.83	17.71	18.9	0.0
100	QPSK	135	69	17.99	18.05	17.93	18.9	0.0
100	QPSK	135	138	17.72	17.94	17.76	18.9	0.0
100	QPSK	270	0	17.76	17.78	17.71		
100	16QAM	1	1	17.82	17.89	17.78	18.9	0.0
100	64QAM	1	1	17.84	17.91	17.73	18.9	0.0
100	256QAM	1	1	17.78	17.88	17.82	18.9	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.04	18.04	18.04	18.9	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.01	18.05	18.10	18.9	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.03	18.03	18.08	18.9	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.00	18.05	18.05	18.9	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.01	18.04	17.99	18.9	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	18.03	17.98	18.07	18.9	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.97	17.98	18.04	18.9	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.05	17.98	18.09	18.9	0.0

Part96 n78 PC3 Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	18.9	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	17.93	18.00	17.90		
100	PI/2 BPSK	1	137	17.75	17.87	17.74	18.9	0.0
100	PI/2 BPSK	1	271	17.72	17.87	17.64		
100	PI/2 BPSK	135	0	17.86	18.03	17.76		
100	PI/2 BPSK	135	69	17.69	17.82	17.71	18.9	0.0
100	PI/2 BPSK	135	138	17.68	17.87	17.82		
100	PI/2 BPSK	270	0	17.79	17.82	17.82		
100	QPSK	1	1	17.96	18.06	18.03	18.9	0.0
100	QPSK	1	137	17.88	17.89	17.91		
100	QPSK	1	271	17.83	17.99	17.88		
100	QPSK	135	0	17.55	17.72	17.57	18.9	0.0
100	QPSK	135	69	17.85	17.96	17.86		
100	QPSK	135	138	17.67	17.85	17.64		
100	QPSK	270	0	17.67	17.69	17.58	18.9	0.0
100	16QAM	1	1	17.69	17.76	17.71		
100	64QAM	1	1	17.80	17.84	17.58		
100	256QAM	1	1	17.64	17.78	17.69	18.9	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	17.91	17.90	17.92	18.9	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	17.88	17.89	17.96	18.9	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	17.98	17.88	17.95	18.9	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	17.89	17.93	17.94	18.9	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	17.90	17.97	17.95	18.9	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	17.93	17.92	17.98	18.9	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.89	17.97	17.91	18.9	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	17.91	17.89	17.94	18.9	0.0

n48 Part96 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.09	21.18	21.05	22.3	0.0
40	PI/2 BPSK	1	53	20.99	21.04	20.92		
40	PI/2 BPSK	1	104	20.96	21.00	20.88		
40	PI/2 BPSK	50	0	21.13	21.13	20.97	22.3	0.0
40	PI/2 BPSK	50	28	20.92	21.08	20.99	22.3	0.0
40	PI/2 BPSK	50	56	20.89	21.07	20.90	22.3	0.0
40	PI/2 BPSK	100	0	20.90	21.05	20.93		
40	QPSK	1	1	21.14	21.22	21.11	22.3	0.0
40	QPSK	1	53	21.04	21.19	21.07		
40	QPSK	1	104	20.98	21.19	21.02		
40	QPSK	50	0	20.76	20.88	20.89	21.3	1.0
40	QPSK	50	28	21.07	21.09	21.07	22.3	0.0
40	QPSK	50	56	20.79	20.92	20.77	21.3	1.0
40	QPSK	100	0	20.81	20.91	20.83		
40	16QAM	1	1	20.90	21.01	20.85	21.3	1.0
40	64QAM	1	1	19.69	19.74	19.66	19.8	2.5
40	256QAM	1	1	17.75	17.75	17.69	17.8	4.5
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.99	21.21	21.07	22.3	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.06	21.12	21.16	22.3	0.0

Part270 n77 PC2 Ant4 DSI1								
BW [MHz]	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	22.13	22.17	22.03		
100	PI/2 BPSK	1	137	22.04	22.04	21.91	23.2	0.0
100	PI/2 BPSK	1	271	21.95	22.03	21.87		
100	PI/2 BPSK	135	0	22.19	22.23	21.98	23.2	0.0
100	PI/2 BPSK	135	69	21.91	22.08	22.03	23.2	0.0
100	PI/2 BPSK	135	138	21.90	22.07	21.98	23.2	0.0
100	PI/2 BPSK	270	0	22.02	21.99	21.97		
100	QPSK	1	1	22.21	22.26	22.22		
100	QPSK	1	137	22.02	22.19	22.18	23.2	0.0
100	QPSK	1	271	22.06	22.14	22.14		
100	QPSK	135	0	21.77	21.93	21.91	23.2	0.0
100	QPSK	135	69	22.05	22.19	22.03	23.2	0.0
100	QPSK	135	138	21.91	22.05	21.93	23.2	0.0
100	QPSK	270	0	21.81	21.97	21.84		
100	16QAM	1	1	21.91	21.98	21.89	23.2	0.0
100	64QAM	1	1	21.87	22.01	21.87	23.2	0.0
100	256QAM	1	1	21.19	21.43	21.26	22.5	0.7
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.11	22.18	22.13	23.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.07	22.20	22.10	23.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.09	22.13	22.11	23.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.12	22.18	22.14	23.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.14	22.12	22.15	23.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.10	22.13	22.06	23.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.12	22.16	22.11	23.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.16	22.14	22.07	23.2	0.0

Part27Q n77 PC2 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.2	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.75			
100	PI/2 BPSK	1	137		21.63		23.2	0.0
100	PI/2 BPSK	1	271		21.60			
100	PI/2 BPSK	135	0		21.71			
100	PI/2 BPSK	135	69		21.56		23.2	0.0
100	PI/2 BPSK	135	138		21.58		23.2	0.0
100	PI/2 BPSK	270	0		21.64			
100	QPSK	1	1		21.81			
100	QPSK	1	137		21.74		23.2	0.0
100	QPSK	1	271		21.75			
100	QPSK	135	0		21.47			
100	QPSK	135	69		21.77		23.2	0.0
100	QPSK	135	138		21.59		23.2	0.0
100	QPSK	270	0		21.50			
100	16QAM	1	1		21.59			
100	64QAM	1	1		21.53		23.2	0.0
100	256QAM	1	1		21.02		22.5	0.7
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.70	21.72	21.71		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.61	21.72	21.69		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.64	21.75	21.74		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.60	21.74	21.65		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.60	21.72	21.65		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.60	21.74	21.64		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.59	21.72	21.68		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.64	21.76	21.67		

Part270 n78 PC2 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.03			
100	PI/2 BPSK	1	137		21.88		23.2	0.0
100	PI/2 BPSK	1	271		21.88			
100	PI/2 BPSK	135	0		22.19			
100	PI/2 BPSK	135	69		21.95		23.2	0.0
100	PI/2 BPSK	135	138		21.92		23.2	0.0
100	PI/2 BPSK	270	0		21.94			
100	QPSK	1	1		22.20		23.2	0.0
100	QPSK	1	137		22.11			
100	QPSK	1	271		22.08			
100	QPSK	135	0		21.85		23.2	0.0
100	QPSK	135	69		22.11		23.2	0.0
100	QPSK	135	138		21.91		23.2	0.0
100	QPSK	270	0		21.84			
100	16QAM	1	1		21.93		23.2	0.0
100	64QAM	1	1		21.86		23.2	0.0
100	256QAM	1	1		21.50		22.5	0.7
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.96	22.12	22.00	23.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.98	22.08	22.03	23.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.06	22.07	22.02	23.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.99	22.07	22.00	23.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.05	22.03	22.06	23.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.00	22.08	22.04	23.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.00	22.11	22.04	23.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.02	22.10	22.07	23.2	0.0

Part27Q n78 PC2 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		23.2	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.66		23.2	0.0
100	PI/2 BPSK	1	137		21.49			
100	PI/2 BPSK	1	271		21.54			
100	PI/2 BPSK	135	0		21.62		23.2	0.0
100	PI/2 BPSK	135	69		21.51		23.2	0.0
100	PI/2 BPSK	135	138		21.46		23.2	0.0
100	PI/2 BPSK	270	0		21.59			
100	QPSK	1	1		21.76		23.2	0.0
100	QPSK	1	137		21.64			
100	QPSK	1	271		21.61			
100	QPSK	135	0		21.36		23.2	0.0
100	QPSK	135	69		21.73		23.2	0.0
100	QPSK	135	138		21.51		23.2	0.0
100	QPSK	270	0		21.38			
100	16QAM	1	1		21.47		23.2	0.0
100	64QAM	1	1		21.46		23.2	0.0
100	256QAM	1	1		20.95		22.5	0.7
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.66	21.65	21.66	23.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.64	21.63	21.57	23.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.54	21.57	21.56	23.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.66	21.66	21.63	23.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.58	21.57	21.59	23.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.59	21.62	21.65	23.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.63	21.62	21.58	23.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.62	21.57	21.64	23.2	0.0

Part96 n77 PC3 Ant4 DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.90	22.00	21.80		
100	PI/2 BPSK	1	137	21.80	21.83	21.75	23.2	0.0
100	PI/2 BPSK	1	271	21.78	21.78	21.61		
100	PI/2 BPSK	135	0	21.88	21.92	21.74	23.2	0.0
100	PI/2 BPSK	135	69	21.71	21.78	21.69	23.2	0.0
100	PI/2 BPSK	135	138	21.67	21.78	21.76	23.2	0.0
100	PI/2 BPSK	270	0	21.73	21.80	21.76		
100	QPSK	1	1	21.96	22.02	22.01	23.2	0.0
100	QPSK	1	137	21.85	21.97	21.92		
100	QPSK	1	271	21.80	22.01	21.81		
100	QPSK	135	0	21.57	21.67	21.61	23.2	0.0
100	QPSK	135	69	21.78	21.95	21.84	23.2	0.0
100	QPSK	135	138	21.59	21.71	21.68	23.2	0.0
100	QPSK	270	0	21.63	21.74	21.61		
100	16QAM	1	1	21.70	21.79	21.66	23.2	0.0
100	64QAM	1	1	21.70	21.72	21.63	23.2	0.0
100	256QAM	1	1	20.97	21.29	21.00	22.5	0.7
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.89	21.96	21.93	23.2	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.86	21.95	21.99	23.2	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.86	21.95	22.00	23.2	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.90	21.93	22.00	23.2	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.88	21.94	21.96	23.2	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	21.86	21.91	22.00	23.2	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.90	21.98	21.93	23.2	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.84	21.95	22.01	23.2	0.0

Part96 n78 PC3 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	23.2	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	21.75	21.92	21.65		
100	PI/2 BPSK	1	137	21.67	21.72	21.62	23.2	0.0
100	PI/2 BPSK	1	271	21.70	21.71	21.49		
100	PI/2 BPSK	135	0	21.80	21.87	21.60		
100	PI/2 BPSK	135	69	21.65	21.63	21.61	23.2	0.0
100	PI/2 BPSK	135	138	21.61	21.71	21.61		
100	PI/2 BPSK	270	0	21.68	21.72	21.67		
100	QPSK	1	1	21.89	21.96	21.91	23.2	0.0
100	QPSK	1	137	21.81	21.83	21.82		
100	QPSK	1	271	21.70	21.90	21.77		
100	QPSK	135	0	21.52	21.62	21.46	23.2	0.0
100	QPSK	135	69	21.63	21.81	21.70		
100	QPSK	135	138	21.46	21.64	21.56		
100	QPSK	270	0	21.58	21.62	21.56	23.2	0.0
100	16QAM	1	1	21.57	21.73	21.53		
100	64QAM	1	1	21.66	21.64	21.52		
100	256QAM	1	1	20.86	21.15	20.91	22.5	0.7
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	21.75	21.88	21.83	23.2	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	21.84	21.89	21.89	23.2	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	21.79	21.92	21.88	23.2	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	21.80	21.87	21.85	23.2	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	21.76	21.85	21.81	23.2	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	21.81	21.87	21.79	23.2	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.79	21.86	21.79	23.2	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.78	21.80	21.79	23.2	0.0

n25 Ant5 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	22.17	22.28	22.22	23.7	0.0
40	PI/2 BPSK	1	108	21.81	21.89	21.84		
40	PI/2 BPSK	1	214	22.00	21.99	21.74		
40	PI/2 BPSK	108	0	22.17	22.31	22.22	23.7	0.0
40	PI/2 BPSK	108	54	22.13	22.27	22.20	23.7	0.0
40	PI/2 BPSK	108	108	21.79	21.90	21.85	23.7	0.0
40	PI/2 BPSK	216	0	22.03	22.07	21.74		
40	QPSK	1	1	22.22	22.38	22.31	23.7	0.0
40	QPSK	1	108	21.87	22.03	21.91		
40	QPSK	1	214	22.06	22.10	21.84		
40	QPSK	108	0	22.19	22.29	22.19	23.7	0.0
40	QPSK	108	54	22.15	22.35	22.28	23.7	0.0
40	QPSK	108	108	21.75	21.96	21.83	23.7	0.0
40	QPSK	216	0	22.13	22.29	22.28		
40	16QAM	1	1	21.85	22.00	21.84	23.7	0.0
40	64QAM	1	1	21.99	22.02	21.76	22.5	1.2
40	256QAM	1	1	19.69	19.71	19.55	20.5	3.2
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	22.14	22.33	22.28	23.7	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	22.13	22.35	22.27	23.7	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	22.15	22.31	22.24	23.7	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	22.11	22.28	22.25	23.7	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	22.12	22.25	22.18	23.7	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	22.15	22.28	22.22	23.7	0.0

n66 Ant5 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.00	23.08	22.96	24.2	0.0
40	PI/2 BPSK	1	108	22.56	22.83	22.71		
40	PI/2 BPSK	1	214	22.68	22.91	22.62		
40	PI/2 BPSK	108	0	22.64	22.73	22.77	24.2	0.0
40	PI/2 BPSK	108	54	22.96	23.09	22.92	24.2	0.0
40	PI/2 BPSK	108	108	22.61	22.82	22.70	24.2	0.0
40	PI/2 BPSK	216	0	22.61	22.83	22.74		
40	QPSK	1	1	23.28	23.37	23.28	24.2	0.0
40	QPSK	1	108	22.69	22.83	22.79		
40	QPSK	1	214	22.79	22.97	22.64		
40	QPSK	108	0	22.65	22.84	22.72	24.0	0.2
40	QPSK	108	54	23.18	23.30	23.10	24.2	0.0
40	QPSK	108	108	22.60	22.76	22.71	24.0	0.2
40	QPSK	216	0	22.67	22.79	22.74		
40	16QAM	1	1	22.61	22.79	22.70	24.0	0.2
40	64QAM	1	1	21.63	21.83	21.54	22.5	1.7
40	256QAM	1	1	19.58	19.65	19.39	20.5	3.7
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.85	23.04	22.85	24.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.84	23.10	22.89	24.2	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.88	23.02	22.88	24.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.88	23.04	22.87	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.82	23.11	22.92	24.2	0.0

n41 PC2&PC3 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.29	20.23	20.15	21.4	0.0
100	PI/2 BPSK	1	137	20.12	20.16	19.98		
100	PI/2 BPSK	1	271	20.04	20.06	19.94		
100	PI/2 BPSK	135	0	20.16	20.31	20.03	21.4	0.0
100	PI/2 BPSK	135	69	20.00	20.08	20.03	21.4	0.0
100	PI/2 BPSK	135	138	19.98	20.11	19.98	21.4	0.0
100	PI/2 BPSK	270	0	20.02	20.07	20.05		
100	QPSK	1	1	20.25	20.33	20.27	21.4	0.0
100	QPSK	1	137	20.13	20.26	20.24		
100	QPSK	1	271	20.10	20.28	20.17		
100	QPSK	135	0	19.88	19.95	19.99	21.4	0.0
100	QPSK	135	69	20.09	20.24	20.13	21.4	0.0
100	QPSK	135	138	19.99	20.04	19.95	21.4	0.0
100	QPSK	270	0	19.90	20.06	19.93		
100	16QAM	1	1	19.92	20.03	20.00	21.4	0.0
100	64QAM	1	1	19.97	20.03	19.89	21.4	0.0
100	256QAM	1	1	20.11	20.19	20.06	20.5	0.9
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.16	20.24	20.18	21.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.21	20.24	20.20	21.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.21	20.27	20.24	21.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.20	20.20	20.11	21.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.19	20.26	20.25	21.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.20	20.26	20.21	21.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.18	20.19	20.12	21.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.22	20.30	20.18	21.4	0.0

n41 PC2 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.60	18.63	18.51		
100	PI/2 BPSK	1	137	18.45	18.54	18.45	20.1	0.0
100	PI/2 BPSK	1	271	18.51	18.49	18.39		
100	PI/2 BPSK	135	0	18.67	18.74	18.48		
100	PI/2 BPSK	135	69	18.49	18.55	18.43	20.1	0.0
100	PI/2 BPSK	135	138	18.38	18.57	18.48	20.1	0.0
100	PI/2 BPSK	270	0	18.45	18.47	18.50		
100	QPSK	1	1	18.67	18.75	18.71		
100	QPSK	1	137	18.54	18.70	18.64	20.1	0.0
100	QPSK	1	271	18.54	18.71	18.59		
100	QPSK	135	0	18.34	18.40	18.31		
100	QPSK	135	69	18.59	18.61	18.52	20.1	0.0
100	QPSK	135	138	18.33	18.46	18.41	20.1	0.0
100	QPSK	270	0	18.29	18.50	18.30		
100	16QAM	1	1	18.38	18.47	18.35		
100	64QAM	1	1	18.35	18.43	18.29	20.1	0.0
100	256QAM	1	1	18.46	18.46	18.38	20.1	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.60	18.68	18.67		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.61	18.62	18.55		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.62	18.63	18.63		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.62	18.65	18.65		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.63	18.67	18.60		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.55	18.70	18.58		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.53	18.60	18.59		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.53	18.68	18.60		

Part270 n77 PC2 Ant6 DSI1								
BW [MHz]	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	20.52	20.43	20.30	21.3	0.0
100	PI/2 BPSK	1	137	20.32	20.40	20.32		
100	PI/2 BPSK	1	271	20.26	20.34	20.22		
100	PI/2 BPSK	135	0	20.50	20.55	20.28	21.3	0.0
100	PI/2 BPSK	135	69	20.21	20.33	20.31	21.3	0.0
100	PI/2 BPSK	135	138	20.19	20.42	20.26	21.3	0.0
100	PI/2 BPSK	270	0	20.23	20.39	20.36		
100	QPSK	1	1	20.51	20.56	20.49	21.3	0.0
100	QPSK	1	137	20.36	20.52	20.38		
100	QPSK	1	271	20.39	20.50	20.40		
100	QPSK	135	0	20.14	20.23	20.13	21.3	0.0
100	QPSK	135	69	20.34	20.51	20.33	21.3	0.0
100	QPSK	135	138	20.17	20.35	20.20	21.3	0.0
100	QPSK	270	0	20.14	20.25	20.12		
100	16QAM	1	1	20.24	20.29	20.14	21.3	0.0
100	64QAM	1	1	20.25	20.27	20.08	21.3	0.0
100	256QAM	1	1	20.19	20.35	20.16	21.3	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.46	20.46	20.43	21.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.44	20.45	20.39	21.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.35	20.50	20.33	21.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.35	20.45	20.34	21.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.46	20.49	20.34	21.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.39	20.47	20.36	21.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.41	20.44	20.39	21.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.42	20.41	20.44	21.3	0.0

Part27Q n77 PC2 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		21.3	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.38			
100	PI/2 BPSK	1	137		20.46		21.3	0.0
100	PI/2 BPSK	1	271		20.28			
100	PI/2 BPSK	135	0		20.53			
100	PI/2 BPSK	135	69		20.27		21.3	0.0
100	PI/2 BPSK	135	138		20.47		21.3	0.0
100	PI/2 BPSK	270	0		20.39			
100	QPSK	1	1		20.58			
100	QPSK	1	137		20.52		21.3	0.0
100	QPSK	1	271		20.48			
100	QPSK	135	0		20.17			
100	QPSK	135	69		20.51		21.3	0.0
100	QPSK	135	138		20.34		21.3	0.0
100	QPSK	270	0		20.30			
100	16QAM	1	1		20.30			
100	64QAM	1	1		20.25		21.3	0.0
100	256QAM	1	1		20.32		21.3	0.0
Channel				633000	633334	633668	21.3	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.48	20.47	20.43		
Channel				632668	633334	634000	21.3	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.51	20.43	20.45		
Channel				632334	633334	634334	21.3	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.41	20.45	20.44		
Channel				632000	633334	634668	21.3	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.46	20.51	20.43		
Channel				631668	633334	635000	21.3	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.45	20.45	20.39		
Channel				631334	633334	635334	21.3	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.46	20.41	20.44		
Channel				631000	633334	635668	21.3	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.51	20.49	20.38		
Channel				630668	633334	636000	21.3	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.50	20.50	20.42		

Part270 n78 PC2 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.29		21.3	0.0
100	PI/2 BPSK	1	137		20.26			
100	PI/2 BPSK	1	271		20.28			
100	PI/2 BPSK	135	0		20.39		21.3	0.0
100	PI/2 BPSK	135	69		20.28		21.3	0.0
100	PI/2 BPSK	135	138		20.32		19.8	1.5
100	PI/2 BPSK	270	0		20.31			
100	QPSK	1	1		20.42		21.3	0.0
100	QPSK	1	137		20.32			
100	QPSK	1	271		20.41			
100	QPSK	135	0		20.17		21.3	0.0
100	QPSK	135	69		20.37		21.3	0.0
100	QPSK	135	138		20.29		21.3	0.0
100	QPSK	270	0		20.19			
100	16QAM	1	1		20.17		19.3	2.0
100	64QAM	1	1		20.20		18.3	3.0
100	256QAM	1	1		20.26		21.3	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.40	20.40	20.29	21.3	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.35	20.30	20.38	21.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.41	20.33	20.31	21.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.40	20.34	20.37	21.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.38	20.36	20.33	21.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.30	20.34	20.28	21.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.40	20.30	20.36	21.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.37	20.41	20.30	21.3	0.0

Part27Q n78 PC2 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.25		21.3	0.0
100	PI/2 BPSK	1	137		20.39			
100	PI/2 BPSK	1	271		20.14			
100	PI/2 BPSK	135	0		20.47		21.3	0.0
100	PI/2 BPSK	135	69		20.11		21.3	0.0
100	PI/2 BPSK	135	138		20.33		19.3	2.0
100	PI/2 BPSK	270	0		20.34			
100	QPSK	1	1		20.48		21.3	0.0
100	QPSK	1	137		20.44			
100	QPSK	1	271		20.35			
100	QPSK	135	0		20.12		21.3	0.0
100	QPSK	135	69		20.47		21.3	0.0
100	QPSK	135	138		20.19		21.3	0.0
100	QPSK	270	0		20.18			
100	16QAM	1	1		20.22		19.8	1.5
100	64QAM	1	1		20.16		18.3	3.0
100	256QAM	1	1		20.18		16.3	5.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.41	20.39	20.34	21.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.34	20.33	20.35	21.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.34	20.37	20.35	21.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.35	20.42	20.31	21.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.42	20.37	20.30	21.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.32	20.35	20.38	21.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.43	20.38	20.31	21.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.41	20.36	20.27	21.3	0.0

Part96 n77 PC3 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	19.98	19.94	19.76	21.3	0.0
100	PI/2 BPSK	1	137	19.76	19.79	19.74		
100	PI/2 BPSK	1	271	19.80	19.82	19.70		
100	PI/2 BPSK	135	0	19.91	19.94	19.70	21.3	0.0
100	PI/2 BPSK	135	69	19.70	19.83	19.80	21.3	0.0
100	PI/2 BPSK	135	138	19.68	19.80	19.72	21.3	0.0
100	PI/2 BPSK	270	0	19.71	19.75	19.81		
100	QPSK	1	1	19.96	20.03	20.00	21.3	0.0
100	QPSK	1	137	19.81	19.99	19.92		
100	QPSK	1	271	19.86	20.00	19.90		
100	QPSK	135	0	19.63	19.72	19.61	21.3	0.0
100	QPSK	135	69	19.81	19.90	19.84	21.3	0.0
100	QPSK	135	138	19.62	19.73	19.60	21.3	0.0
100	QPSK	270	0	19.59	19.70	19.59		
100	16QAM	1	1	19.65	19.84	19.65	21.3	0.0
100	64QAM	1	1	19.68	19.73	19.62	21.3	0.0
100	256QAM	1	1	19.70	19.75	19.70	21.3	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	19.81	19.97	19.96	21.3	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	19.84	19.94	19.91	21.3	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	19.86	19.89	19.97	21.3	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	19.83	19.96	19.95	21.3	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	19.88	19.99	19.87	21.3	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	19.91	19.91	19.92	21.3	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	19.86	19.98	19.93	21.3	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.80	19.89	19.97	21.3	0.0

Part96 n78 PC3 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	21.3	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	19.90	19.78	19.61		
100	PI/2 BPSK	1	137	19.70	19.70	19.60	21.3	0.0
100	PI/2 BPSK	1	271	19.74	19.66	19.63		
100	PI/2 BPSK	135	0	19.75	19.88	19.57		
100	PI/2 BPSK	135	69	19.60	19.74	19.72	21.3	0.0
100	PI/2 BPSK	135	138	19.58	19.73	19.62		
100	PI/2 BPSK	270	0	19.65	19.69	19.72		
100	QPSK	1	1	19.92	19.96	19.90	21.3	0.0
100	QPSK	1	137	19.77	19.95	19.83		
100	QPSK	1	271	19.76	19.91	19.85		
100	QPSK	135	0	19.47	19.59	19.53	21.3	0.0
100	QPSK	135	69	19.74	19.84	19.79		
100	QPSK	135	138	19.48	19.61	19.55		
100	QPSK	270	0	19.48	19.57	19.48	21.3	0.0
100	16QAM	1	1	19.60	19.73	19.61		
100	64QAM	1	1	19.55	19.61	19.51		
100	256QAM	1	1	19.65	19.60	19.64	21.3	0.0
Channel				639668	641666	643666		
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	19.66	19.90	19.84	21.3	0.0
Channel				639334	641666	644000		
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	19.68	19.91	19.89	21.3	0.0
Channel				639000	641666	644332		
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	19.70	19.90	19.81	21.3	0.0
Channel				638668	641666	644666		
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	19.76	19.83	19.92	21.3	0.0
Channel				638334	641666	645000		
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	19.75	19.84	19.81	21.3	0.0
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	19.68	19.89	19.91	21.3	0.0
Channel				637668	641666	645666		
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	19.77	19.83	19.85	21.3	0.0
Channel				637334	641666	646000		
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.66	19.91	19.91	21.3	0.0

Reduced Power Mode for DSI 2

n5 Ant0 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	20.74	20.72	20.62	22.0	0.0
20	PI/2 BPSK	1	53	20.76	20.78	20.69		
20	PI/2 BPSK	1	104	20.62	20.80	20.74		
20	PI/2 BPSK	50	0	20.61	20.76	20.59	22.0	0.0
20	PI/2 BPSK	50	28	20.68	20.67	20.77	22.0	0.0
20	PI/2 BPSK	50	56	20.65	20.65	20.69	22.0	0.0
20	PI/2 BPSK	100	0	20.70	20.73	20.71		
20	QPSK	1	1	20.75	20.84	20.73	22.0	0.0
20	QPSK	1	53	20.76	20.83	20.73		
20	QPSK	1	104	20.77	20.81	20.81		
20	QPSK	50	0	20.73	20.64	20.64	22.0	0.0
20	QPSK	50	28	20.68	20.80	20.58	22.0	0.0
20	QPSK	50	56	20.67	20.73	20.72	22.0	0.0
20	QPSK	100	0	20.67	20.78	20.70		
20	16QAM	1	1	20.71	20.65	20.73	22.0	0.0
20	64QAM	1	1	20.66	20.79	20.59	22.0	0.0
20	256QAM	1	1	18.96	18.99	18.84	20.5	1.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.66	20.79	20.69	22.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.70	20.76	20.64	22.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	20.70	20.79	20.69	22.0	0.0

n12 Ant0 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5	22.4	0.0
15	PI/2 BPSK	1	1	21.31	21.40	21.28		
15	PI/2 BPSK	1	40	21.11	21.20	21.13		
15	PI/2 BPSK	1	77	21.18	21.26	21.26	22.4	0.0
15	PI/2 BPSK	36	0	21.27	21.43	21.17		
15	PI/2 BPSK	36	22	21.15	21.23	21.18		
15	PI/2 BPSK	36	43	21.16	21.28	21.36	22.4	0.0
15	PI/2 BPSK	75	0	21.18	21.20	21.20		
15	QPSK	1	1	21.34	21.47	21.31		
15	QPSK	1	40	21.22	21.32	21.23	22.4	0.0
15	QPSK	1	77	21.28	21.34	21.39		
15	QPSK	36	0	21.14	21.26	21.12		
15	QPSK	36	22	21.22	21.44	21.27	22.4	0.0
15	QPSK	36	43	21.16	21.22	21.12		
15	QPSK	75	0	21.18	21.34	21.32		
15	16QAM	1	1	21.13	21.20	21.16	22.4	0.0
15	64QAM	1	1	20.93	20.96	20.92	22.4	0.0
	256QAM	1	1	19.02	19.13	18.96	20.5	1.9
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	21.09	21.20	21.20	22.4	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	21.14	21.28	21.17	22.4	0.0

n13 Ant0 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		21.40		22.4	0.0
10	PI/2 BPSK	1	26		21.36			
10	PI/2 BPSK	1	50		21.24			
10	PI/2 BPSK	25	0		21.43		22.4	0.0
10	PI/2 BPSK	25	14		21.45		22.4	0.0
10	PI/2 BPSK	25	27		21.34		22.4	0.0
10	PI/2 BPSK	50	0		21.26			
10	QPSK	1	1		21.47		22.4	0.0
10	QPSK	1	26		21.42			
10	QPSK	1	50		21.30			
10	QPSK	25	0		21.41		22.4	0.0
10	QPSK	25	14		21.45		22.4	0.0
10	QPSK	25	27		21.38		22.4	0.0
10	QPSK	50	0		21.35			
10	16QAM	1	1		21.39		22.4	0.0
10	64QAM	1	1		20.88		22.4	0.0
10	256QAM	1	1		18.97		20.5	1.9
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	21.41	21.35	21.43		

n14 Ant0 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		21.43		22.4	0.0
10	PI/2 BPSK	1	26		21.39			
10	PI/2 BPSK	1	50		21.28			
10	PI/2 BPSK	25	0		21.36		22.4	0.0
10	PI/2 BPSK	25	14		21.40		22.4	0.0
10	PI/2 BPSK	25	27		21.33		22.4	0.0
10	PI/2 BPSK	50	0		21.31			
10	QPSK	1	1		21.49		22.4	0.0
10	QPSK	1	26		21.42			
10	QPSK	1	50		21.37			
10	QPSK	25	0		21.42		22.4	0.0
10	QPSK	25	14		21.44		22.4	0.0
10	QPSK	25	27		21.38		22.4	0.0
10	QPSK	50	0		21.34			
10	16QAM	1	1		21.31		22.4	0.0
10	64QAM	1	1		20.80		22.4	0.0
10	256QAM	1	1		18.97		20.5	1.9
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	21.35	21.32	21.35	22.4	0.0

n26 Ant0 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	20.58	20.80	20.51	22.0	0.0
20	PI/2 BPSK	1	53	20.40	20.41	20.31		
20	PI/2 BPSK	1	104	20.47	20.49	20.48		
20	PI/2 BPSK	50	0	20.64	20.74	20.52	22.0	0.0
20	PI/2 BPSK	50	28	20.43	20.46	20.31	22.0	0.0
20	PI/2 BPSK	50	56	20.42	20.52	20.49	22.0	0.0
20	PI/2 BPSK	100	0	20.62	20.77	20.50		
20	QPSK	1	1	20.66	20.86	20.64	22.0	0.0
20	QPSK	1	53	20.47	20.52	20.44		
20	QPSK	1	104	20.50	20.60	20.55		
20	QPSK	50	0	20.56	20.77	20.58	22.0	0.0
20	QPSK	50	28	20.69	20.81	20.63	22.0	0.0
20	QPSK	50	56	20.37	20.49	20.43	22.0	0.0
20	QPSK	100	0	20.55	20.79	20.53		
20	16QAM	1	1	20.40	20.44	20.40	22.0	0.0
20	64QAM	1	1	20.38	20.47	20.49	22.0	0.0
20	256QAM	1	1	18.86	19.00	18.97	20.5	1.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	20.59	20.82	20.52	22.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	20.53	20.77	20.53	22.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	20.63	20.75	20.59	22.0	0.0

n71 Ant0 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688	22.4	0.0
20	PI/2 BPSK	1	1	21.12	21.15	21.12		
20	PI/2 BPSK	1	53	20.82	20.94	21.02		
20	PI/2 BPSK	1	104	20.86	21.09	20.94	22.4	0.0
20	PI/2 BPSK	50	0	21.08	21.20	21.12		
20	PI/2 BPSK	50	28	21.07	21.20	21.09		
20	PI/2 BPSK	50	56	20.81	21.06	20.99	22.4	0.0
20	PI/2 BPSK	100	0	20.95	20.99	20.96		
20	QPSK	1	1	21.16	21.26	21.14		
20	QPSK	1	53	20.93	21.08	21.06	22.4	0.0
20	QPSK	1	104	20.99	21.11	21.06		
20	QPSK	50	0	20.84	21.01	20.95		
20	QPSK	50	28	21.12	21.17	21.01	22.4	0.0
20	QPSK	50	56	20.87	20.96	20.93		
20	QPSK	100	0	20.87	21.06	20.94		
20	16QAM	1	1	20.84	20.95	20.97	22.4	0.0
20	64QAM	1	1	19.65	19.79	19.70	21.5	0.9
20	256QAM	1	1	17.62	17.76	17.66	19.5	2.9
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	21.09	21.19	21.10	22.4	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.11	21.14	21.06	22.4	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.10	21.13	21.06	22.4	0.0

n41 PC3&PC2 Ant0 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	17.3	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.17	16.26	15.99		
100	PI/2 BPSK	1	137	15.87	15.85	15.99	17.3	0.0
100	PI/2 BPSK	1	271	15.91	16.03	15.80		
100	PI/2 BPSK	135	0	16.17	16.20	15.95		
100	PI/2 BPSK	135	69	15.92	15.89	15.99	17.3	0.0
100	PI/2 BPSK	135	138	15.86	15.97	15.84		
100	PI/2 BPSK	270	0	15.86	15.87	16.01		
100	QPSK	1	1	16.18	16.31	16.10	17.3	0.0
100	QPSK	1	137	15.95	15.98	16.09		
100	QPSK	1	271	15.97	16.08	15.95		
100	QPSK	135	0	15.85	15.88	15.98	17.3	0.0
100	QPSK	135	69	16.11	16.19	16.01		
100	QPSK	135	138	15.84	15.89	15.94		
100	QPSK	270	0	15.92	16.11	16.03	17.3	0.0
100	16QAM	1	1	16.15	16.27	16.04		
100	64QAM	1	1	15.94	15.88	16.08		
100	256QAM	1	1	15.93	15.91	15.84	17.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.12	16.24	16.03	17.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.14	16.26	16.01	17.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.14	16.28	16.04	17.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.15	16.28	16.07	17.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.10	16.22	16.04	17.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.11	16.26	16.06	17.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.10	16.24	16.03	17.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.11	16.21	16.05	17.3	0.0

n2 Ant2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	18.42	18.48	18.43	19.6	0.0
20	PI/2 BPSK	1	53	18.34	18.54	18.52		
20	PI/2 BPSK	1	104	18.37	18.42	18.29		
20	PI/2 BPSK	50	0	18.43	18.51	18.42	19.6	0.0
20	PI/2 BPSK	50	28	18.41	18.53	18.42	19.6	0.0
20	PI/2 BPSK	50	56	18.37	18.50	18.45	19.6	0.0
20	PI/2 BPSK	100	0	18.37	18.43	18.24		
20	QPSK	1	1	18.48	18.58	18.50	19.6	0.0
20	QPSK	1	53	18.42	18.57	18.55		
20	QPSK	1	104	18.43	18.47	18.32		
20	QPSK	50	0	18.41	18.46	18.40	19.6	0.0
20	QPSK	50	28	18.33	18.51	18.45	19.6	0.0
20	QPSK	50	56	18.34	18.44	18.27	19.6	0.0
20	QPSK	100	0	18.42	18.49	18.41		
20	16QAM	1	1	18.41	18.50	18.47	19.6	0.0
20	64QAM	1	1	18.38	18.50	18.49	19.6	0.0
20	256QAM	1	1	18.40	18.44	18.25	19.6	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.40	18.40	18.41	19.6	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.38	18.39	18.33	19.6	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.38	18.39	18.38	19.6	0.0

n25 Ant2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	18.52	18.76	18.58	19.6	0.0
40	PI/2 BPSK	1	108	18.31	18.45	18.34		
40	PI/2 BPSK	1	214	18.40	18.52	18.37		
40	PI/2 BPSK	108	0	18.53	18.75	18.57	19.6	0.0
40	PI/2 BPSK	108	54	18.56	18.74	18.58	19.6	0.0
40	PI/2 BPSK	108	108	18.24	18.49	18.33	19.6	0.0
40	PI/2 BPSK	216	0	18.44	18.49	18.37		
40	QPSK	1	1	18.59	18.79	18.62	19.6	0.0
40	QPSK	1	108	18.34	18.51	18.39		
40	QPSK	1	214	18.50	18.57	18.40		
40	QPSK	108	0	18.54	18.70	18.54	19.6	0.0
40	QPSK	108	54	18.54	18.73	18.55	19.6	0.0
40	QPSK	108	108	18.28	18.46	18.36	19.6	0.0
40	QPSK	216	0	18.45	18.58	18.37		
40	16QAM	1	1	18.54	18.76	18.58	19.6	0.0
40	64QAM	1	1	18.26	18.42	18.30	19.6	0.0
40	256QAM	1	1	18.47	18.54	18.33	19.6	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	18.55	18.76	18.58	19.6	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	18.53	18.77	18.52	19.6	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	18.51	18.72	18.56	19.6	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.53	18.75	18.58	19.6	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.56	18.73	18.57	19.6	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	18.55	18.70	18.55	19.6	0.0

n66 Ant2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	18.66	18.69	18.63	19.7	0.0
40	PI/2 BPSK	1	108	18.64	18.73	18.63		
40	PI/2 BPSK	1	214	18.71	18.75	18.63		
40	PI/2 BPSK	108	0	18.67	18.76	18.63	19.7	0.0
40	PI/2 BPSK	108	54	18.63	18.71	18.59	19.7	0.0
40	PI/2 BPSK	108	108	18.69	18.74	18.62	19.7	0.0
40	PI/2 BPSK	216	0	18.66	18.74	18.64		
40	QPSK	1	1	18.73	18.79	18.68	19.7	0.0
40	QPSK	1	108	18.60	18.69	18.52		
40	QPSK	1	214	18.49	18.61	18.61		
40	QPSK	108	0	18.69	18.71	18.60	19.7	0.0
40	QPSK	108	54	18.71	18.74	18.66	19.7	0.0
40	QPSK	108	108	18.70	18.73	18.58	19.7	0.0
40	QPSK	216	0	18.70	18.73	18.65		
40	16QAM	1	1	18.69	18.71	18.64	19.7	0.0
40	64QAM	1	1	18.68	18.74	18.65	19.7	0.0
40	256QAM	1	1	18.70	18.77	18.66	19.7	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	18.68	18.76	18.59	19.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.70	18.71	18.65	19.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.63	18.69	18.60	19.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.67	18.77	18.62	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.67	18.75	18.60	19.7	0.0

Part270 n77 PC2&PC3 Ant2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.06	16.19	16.02	16.6	0.0
100	PI/2 BPSK	1	137	15.90	16.10	15.92		
100	PI/2 BPSK	1	271	15.89	16.05	15.92		
100	PI/2 BPSK	135	0	15.97	16.06	15.93	16.6	0.0
100	PI/2 BPSK	135	69	16.03	16.13	15.90	16.6	0.0
100	PI/2 BPSK	135	138	15.91	16.05	15.88	16.6	0.0
100	PI/2 BPSK	270	0	15.90	16.09	15.90		
100	QPSK	1	1	16.13	16.27	16.08	16.6	0.0
100	QPSK	1	137	16.02	16.20	16.02		
100	QPSK	1	271	16.00	16.17	15.98		
100	QPSK	135	0	16.05	16.18	16.02	14.6	2.0
100	QPSK	135	69	16.07	16.20	15.96	16.6	0.0
100	QPSK	135	138	15.99	16.14	15.95	16.6	0.0
100	QPSK	270	0	16.00	16.14	16.00		
100	16QAM	1	1	15.99	16.19	15.95	16.6	0.0
100	64QAM	1	1	16.00	16.17	15.97	16.6	0.0
100	256QAM	1	1	16.06	16.17	15.98	16.6	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.03	16.19	15.99	16.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.06	16.22	16.01	16.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.06	16.22	15.98	16.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.02	16.16	16.03	16.6	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.02	16.18	15.98	16.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.04	16.21	16.01	16.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.03	16.20	16.00	16.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.03	16.17	15.96	16.6	0.0

Part27Q n77 PC2&PC3 Ant2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		16.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.07		16.6	0.0
100	PI/2 BPSK	1	137		14.93			
100	PI/2 BPSK	1	271		14.94			
100	PI/2 BPSK	135	0		15.01		16.6	0.0
100	PI/2 BPSK	135	69		15.06		16.6	0.0
100	PI/2 BPSK	135	138		14.99		16.6	0.0
100	PI/2 BPSK	270	0		15.01			
100	QPSK	1	1		15.15		16.6	0.0
100	QPSK	1	137		14.97			
100	QPSK	1	271		15.03			
100	QPSK	135	0		15.06		16.6	0.0
100	QPSK	135	69		15.11		16.6	0.0
100	QPSK	135	138		15.06		16.6	0.0
100	QPSK	270	0		15.08			
100	16QAM	1	1		15.07		16.6	0.0
100	64QAM	1	1		14.94		16.6	0.0
100	256QAM	1	1		14.99		16.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.10	15.08	15.07	16.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.10	15.08	15.11	16.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.07	15.06	15.09	16.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.09	15.11	15.09	16.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.09	15.09	15.12	16.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.07	15.10	15.12	16.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.11	15.09	15.12	16.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.11	15.11	15.08	16.6	0.0

Part270 n78 PC2&PC3 Ant2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.12		16.6	0.0
100	PI/2 BPSK	1	137		16.02			
100	PI/2 BPSK	1	271		16.00			
100	PI/2 BPSK	135	0		15.97		16.6	0.0
100	PI/2 BPSK	135	69		16.09		16.6	0.0
100	PI/2 BPSK	135	138		15.95		16.6	0.0
100	PI/2 BPSK	270	0		16.01			
100	QPSK	1	1		16.20		16.6	0.0
100	QPSK	1	137		16.18			
100	QPSK	1	271		16.08			
100	QPSK	135	0		16.11		16.6	0.0
100	QPSK	135	69		16.18		16.6	0.0
100	QPSK	135	138		16.12		16.6	0.0
100	QPSK	270	0		16.07			
100	16QAM	1	1		16.14		16.6	0.0
100	64QAM	1	1		16.14		16.6	0.0
100	256QAM	1	1		16.12		16.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.15	16.16	16.16	16.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.17	16.13	16.14	16.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.10	16.17	16.15	16.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.11	16.16	16.14	16.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.16	16.14	16.12	16.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.18	16.12	16.12	16.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.15	16.11	16.14	16.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.13	16.14	16.16	16.6	0.0

Part27Q n78 PC2&PC3 Ant2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		16.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.03			
100	PI/2 BPSK	1	137		14.89		16.6	0.0
100	PI/2 BPSK	1	271		14.87			
100	PI/2 BPSK	135	0		14.96			
100	PI/2 BPSK	135	69		15.01		16.6	0.0
100	PI/2 BPSK	135	138		14.97		16.6	0.0
100	PI/2 BPSK	270	0		14.97			
100	QPSK	1	1		15.07			
100	QPSK	1	137		14.90		16.6	0.0
100	QPSK	1	271		14.94			
100	QPSK	135	0		14.98			
100	QPSK	135	69		15.06		16.6	0.0
100	QPSK	135	138		14.99		16.6	0.0
100	QPSK	270	0		15.05			
100	16QAM	1	1		15.01			
100	64QAM	1	1		14.85		16.6	0.0
100	256QAM	1	1		14.95		16.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.01	15.02	15.03		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.98	15.00	15.05		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.99	15.02	14.98		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.00	15.04	15.00		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.98	14.99	15.05		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.03	14.98	15.03		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.02	14.99	15.04		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.02	14.99	15.01		

Part96 n77 PC3 Ant2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	16.6	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	15.96	16.14	15.95		
100	PI/2 BPSK	1	137	15.73	16.02	15.81	16.6	0.0
100	PI/2 BPSK	1	271	15.80	16.01	15.95		
100	PI/2 BPSK	135	0	15.96	16.16	16.00		
100	PI/2 BPSK	135	69	15.96	16.14	15.97	16.6	0.0
100	PI/2 BPSK	135	138	15.78	15.97	15.79		
100	PI/2 BPSK	270	0	15.78	16.00	15.90		
100	QPSK	1	1	16.04	16.19	16.04	16.6	0.0
100	QPSK	1	137	15.83	16.06	15.88		
100	QPSK	1	271	15.87	16.09	15.98		
100	QPSK	135	0	16.00	16.11	15.99	16.6	0.0
100	QPSK	135	69	15.99	16.17	15.97		
100	QPSK	135	138	15.77	15.97	15.80		
100	QPSK	270	0	15.77	16.12	15.89	16.6	0.0
100	16QAM	1	1	15.95	16.16	15.98		
100	64QAM	1	1	15.80	16.01	15.82		
100	256QAM	1	1	15.80	16.02	15.96	14.6	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.02	16.10	15.94	16.6	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	15.97	16.13	16.02	16.6	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.01	16.13	15.94	16.6	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.02	16.12	15.94	16.6	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.01	16.12	15.95	16.6	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	16.01	16.10	16.02	16.6	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	15.98	16.12	15.96	16.6	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	15.99	16.10	16.02	16.6	0.0

Part96 n78 PC3 Ant2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	16.6	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	15.93	16.11	15.90		
100	PI/2 BPSK	1	137	15.70	15.95	15.71	16.6	0.0
100	PI/2 BPSK	1	271	15.71	15.93	15.87		
100	PI/2 BPSK	135	0	15.94	16.08	15.91		
100	PI/2 BPSK	135	69	15.89	16.11	15.89	16.6	0.0
100	PI/2 BPSK	135	138	15.70	15.88	15.76	16.6	0.0
100	PI/2 BPSK	270	0	15.73	15.97	15.85		
100	QPSK	1	1	15.96	16.13	15.98		
100	QPSK	1	137	15.76	16.01	15.83	16.6	0.0
100	QPSK	1	271	15.85	16.05	15.93		
100	QPSK	135	0	15.90	16.08	15.92		
100	QPSK	135	69	15.93	16.12	15.95	16.6	0.0
100	QPSK	135	138	15.70	15.89	15.71	16.6	0.0
100	QPSK	270	0	15.74	16.08	15.82		
100	16QAM	1	1	15.88	16.08	15.90		
100	64QAM	1	1	15.74	15.96	15.76	16.6	0.0
100	256QAM	1	1	15.74	15.94	15.92	14.6	2.0
Channel				639668	641666	643666	16.6	0.0
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	15.92	16.11	15.96		
Channel				639334	641666	644000	16.6	0.0
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	15.92	16.09	15.91		
Channel				639000	641666	644332	16.6	0.0
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	15.94	16.05	15.88		
Channel				638668	641666	644666	16.6	0.0
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	15.90	16.08	15.90		
Channel				638334	641666	645000	16.6	0.0
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	15.88	16.11	15.91		
Channel				638000	641666	645332	16.6	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	15.89	16.09	15.91		
Channel				637668	641666	645666	16.6	0.0
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	15.93	16.10	15.92		
Channel				637334	641666	646000	16.6	0.0
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	15.87	16.08	15.90		

n7 Ant3 DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	16.42	16.57	16.45	17.4	0.0
40	PI/2 BPSK	1	108	16.31	16.51	16.37		
40	PI/2 BPSK	1	214	16.39	16.52	16.34		
40	PI/2 BPSK	108	0	16.38	16.48	16.42	17.4	0.0
40	PI/2 BPSK	108	54	16.44	16.54	16.35	17.4	0.0
40	PI/2 BPSK	108	108	16.27	16.48	16.25	17.4	0.0
40	PI/2 BPSK	216	0	16.38	16.47	16.32		
40	QPSK	1	1	16.52	16.62	16.51		
40	QPSK	1	108	16.39	16.56	16.40	17.4	0.0
40	QPSK	1	214	16.47	16.55	16.43		
40	QPSK	108	0	16.43	16.52	16.47		
40	QPSK	108	54	16.50	16.58	16.43	17.4	0.0
40	QPSK	108	108	16.31	16.52	16.31	17.4	0.0
40	QPSK	216	0	16.43	16.50	16.38		
40	16QAM	1	1	16.44	16.52	16.42		
40	64QAM	1	1	16.37	16.51	16.31	17.4	0.0
40	256QAM	1	1	16.39	16.53	16.38	17.4	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.45	16.53	16.42	17.4	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.44	16.57	16.45	17.4	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.48	16.60	16.43	17.4	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.43	16.58	16.46	17.4	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.43	16.53	16.43	17.4	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.48	16.60	16.42	17.4	0.0

n30 Ant3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		15.15		16.2	0.0
10	PI/2 BPSK	1	26		15.00			
10	PI/2 BPSK	1	50		14.93			
10	PI/2 BPSK	25	0		15.18		16.2	0.0
10	PI/2 BPSK	25	14		15.13		16.2	0.0
10	PI/2 BPSK	25	27		15.00		16.2	0.0
10	PI/2 BPSK	50	0		14.98			
10	QPSK	1	1		15.22		16.2	0.0
10	QPSK	1	26		15.02			
10	QPSK	1	50		15.00			
10	QPSK	25	0		15.09		16.2	0.0
10	QPSK	25	14		15.16		15.2	1.0
10	QPSK	25	27		14.99		16.2	0.0
10	QPSK	50	0		15.06			
10	16QAM	1	1		15.01		16.2	0.0
10	64QAM	1	1		15.06		16.2	0.0
10	256QAM	1	1		15.05		16.2	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	15.09	15.08	15.11	16.2	0.0

n38 Ant3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	16.01	16.19	16.09	17.1	0.0
40	PI/2 BPSK	1	53	16.01	16.20	16.11		
40	PI/2 BPSK	1	104	15.97	16.12	16.09		
40	PI/2 BPSK	50	0	16.08	16.15	16.12	17.1	0.0
40	PI/2 BPSK	50	28	16.05	16.20	16.10	17.1	0.0
40	PI/2 BPSK	50	56	15.97	16.13	16.13	17.1	0.0
40	PI/2 BPSK	100	0	15.98	16.19	16.13		
40	QPSK	1	1	16.11	16.22	16.17	17.1	0.0
40	QPSK	1	53	15.99	16.13	16.06		
40	QPSK	1	104	15.94	16.16	15.99		
40	QPSK	50	0	16.08	16.12	16.09	17.1	0.0
40	QPSK	50	28	15.96	16.14	16.10	17.1	0.0
40	QPSK	50	56	15.94	16.00	15.98	17.1	0.0
40	QPSK	100	0	15.93	16.12	15.97		
40	16QAM	1	1	16.01	16.12	16.06	17.1	0.0
40	64QAM	1	1	16.01	16.17	16.12	17.1	0.0
40	256QAM	1	1	16.04	16.11	16.06	17.1	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	16.02	16.14	16.15	17.1	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	16.07	16.20	16.14	17.1	0.0

n41 PC2&PC3 Ant3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.11	16.22	16.15	17.1	0.0
100	PI/2 BPSK	1	137	16.06	16.24	16.15		
100	PI/2 BPSK	1	271	16.07	16.27	16.17		
100	PI/2 BPSK	135	0	16.11	16.27	16.19	17.1	0.0
100	PI/2 BPSK	135	69	16.10	16.24	16.15	17.1	0.0
100	PI/2 BPSK	135	138	16.05	16.23	16.15	17.1	0.0
100	PI/2 BPSK	270	0	16.05	16.21	16.16		
100	QPSK	1	1	16.15	16.29	16.22	17.1	0.0
100	QPSK	1	137	16.01	16.15	16.09		
100	QPSK	1	271	16.04	16.20	16.06		
100	QPSK	135	0	16.10	16.21	16.12	17.1	0.0
100	QPSK	135	69	16.05	16.27	16.12	17.1	0.0
100	QPSK	135	138	15.99	16.09	16.01	17.1	0.0
100	QPSK	270	0	15.96	16.22	16.00		
100	16QAM	1	1	16.08	16.27	16.13	17.1	0.0
100	64QAM	1	1	16.06	16.20	16.15	17.1	0.0
100	256QAM	1	1	16.09	16.20	16.14	17.1	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.10	16.20	16.16	17.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.11	16.24	16.17	17.1	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.12	16.21	16.18	17.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.12	16.21	16.18	17.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.09	16.24	16.16	17.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.07	16.25	16.15	17.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.07	16.26	16.16	17.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.08	16.26	16.18	17.1	0.0

Part270 n77 PC3&PC2 Ant3 DSI2								
BW [MHz]	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	17.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.63	16.76	16.65		
100	PI/2 BPSK	1	137	16.33	16.54	16.53	17.7	0.0
100	PI/2 BPSK	1	271	16.37	16.45	16.32		
100	PI/2 BPSK	135	0	16.58	16.66	16.58		
100	PI/2 BPSK	135	69	16.59	16.71	16.56	17.7	0.0
100	PI/2 BPSK	135	138	16.28	16.50	16.47		
100	PI/2 BPSK	270	0	16.29	16.57	16.28		
100	QPSK	1	1	16.66	16.82	16.70	17.7	0.0
100	QPSK	1	137	16.40	16.60	16.57		
100	QPSK	1	271	16.43	16.50	16.42		
100	QPSK	135	0	16.62	16.72	16.61	17.7	0.0
100	QPSK	135	69	16.64	16.78	16.62		
100	QPSK	135	138	16.31	16.56	16.54		
100	QPSK	270	0	16.33	16.65	16.33	17.7	0.0
100	16QAM	1	1	16.57	16.76	16.66		
100	64QAM	1	1	16.33	16.52	16.54		
100	256QAM	1	1	16.40	16.48	16.33	17.7	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.61	16.79	16.64	17.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.57	16.79	16.65	17.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.58	16.76	16.67	17.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.61	16.78	16.63	17.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.64	16.73	16.66	17.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.58	16.74	16.67	17.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.60	16.74	16.60	17.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.63	16.75	16.67	17.7	0.0

Part27Q n77 PC3&PC2 Ant3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.40		17.7	0.0
100	PI/2 BPSK	1	137		16.30			
100	PI/2 BPSK	1	271		16.30			
100	PI/2 BPSK	135	0		16.39		17.7	0.0
100	PI/2 BPSK	135	69		16.37		17.7	0.0
100	PI/2 BPSK	135	138		16.29		17.7	0.0
100	PI/2 BPSK	270	0		16.26			
100	QPSK	1	1		16.47		17.7	0.0
100	QPSK	1	137		16.34			
100	QPSK	1	271		16.33			
100	QPSK	135	0		16.38		17.7	0.0
100	QPSK	135	69		16.44		17.7	0.0
100	QPSK	135	138		16.30		17.7	0.0
100	QPSK	270	0		16.35			
100	16QAM	1	1		16.40		17.7	0.0
100	64QAM	1	1		16.29		17.7	0.0
100	256QAM	1	1		16.30		17.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.39	16.42	16.40	17.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.38	16.45	16.45	17.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.44	16.42	16.43	17.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.38	16.43	16.38	17.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.41	16.42	16.39	17.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.43	16.42	16.40	17.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.37	16.40	16.42	17.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.41	16.39	16.43	17.7	0.0

Part270 n78 PC2 Ant3 DSI2								
BW [MHz]	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	17.7	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.73			
100	PI/2 BPSK	1	137		16.48		17.7	0.0
100	PI/2 BPSK	1	271		16.42			
100	PI/2 BPSK	135	0		16.58			
100	PI/2 BPSK	135	69		16.62		17.7	0.0
100	PI/2 BPSK	135	138		16.40		17.7	0.0
100	PI/2 BPSK	270	0		16.55			
100	QPSK	1	1		16.76			
100	QPSK	1	137		16.58		17.7	0.0
100	QPSK	1	271		16.41			
100	QPSK	135	0		16.69			
100	QPSK	135	69		16.73		17.7	0.0
100	QPSK	135	138		16.54		17.7	0.0
100	QPSK	270	0		16.61			
100	16QAM	1	1		16.74			
100	64QAM	1	1		16.48		17.7	0.0
100	256QAM	1	1		16.40		17.7	0.0
Channel				649668	650000	650334	17.7	0.0
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.73	16.73	16.69		
Channel				649334	650000	650668	17.7	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.69	16.70	16.71		
Channel				649000	650000	651000	17.7	0.0
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.74	16.69	16.68		
Channel				648668	650000	651334	17.7	0.0
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.70	16.73	16.74		
Channel				648334	650000	651668	17.7	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.67	16.67	16.68		
Channel				648000	650000	652000	17.7	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.71	16.70	16.69		
Channel				647668	650000	652334	17.7	0.0
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.72	16.73	16.67		
Channel				647334	650000	652668	17.7	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.66	16.72	16.70		



Part27Q n78 PC2 Ant3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.33		17.7	0.0
100	PI/2 BPSK	1	137		16.27			
100	PI/2 BPSK	1	271		16.23			
100	PI/2 BPSK	135	0		16.32		17.7	0.0
100	PI/2 BPSK	135	69		16.33		17.7	0.0
100	PI/2 BPSK	135	138		16.27		17.7	0.0
100	PI/2 BPSK	270	0		16.17			
100	QPSK	1.0	1		16.42		17.7	0.0
100	QPSK	1	137		16.29			
100	QPSK	1	271		16.28			
100	QPSK	135	0		16.30		17.7	0.0
100	QPSK	135	69		16.36		17.7	0.0
100	QPSK	135	138		16.25		17.7	0.0
100	QPSK	270	0		16.32			
100	16QAM	1	1		16.37		17.7	0.0
100	64QAM	1	1		16.20		17.7	0.0
100	256QAM	1	1		16.25		17.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.33	16.37	16.35	17.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.35	16.40	16.33	17.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.38	16.34	16.39	17.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.39	16.35	16.33	17.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.37	16.34	16.39	17.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.36	16.34	16.38	17.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.39	16.33	16.36	17.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.36	16.39	16.34	17.7	0.0

Part96 n77 PC3 Ant3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.63	16.87	16.60	17.7	0.0
100	PI/2 BPSK	1	137	16.33	16.45	16.17		
100	PI/2 BPSK	1	271	16.35	16.56	16.41		
100	PI/2 BPSK	135	0	16.66	16.91	16.62	17.7	0.0
100	PI/2 BPSK	135	69	16.68	16.87	16.62	17.7	0.0
100	PI/2 BPSK	135	138	16.41	16.39	16.16	17.7	0.0
100	PI/2 BPSK	270	0	16.38	16.55	16.42		
100	QPSK	1	1	16.71	16.97	16.68	17.7	0.0
100	QPSK	1	137	16.43	16.48	16.23		
100	QPSK	1	271	16.42	16.61	16.50		
100	QPSK	135	0	16.64	16.89	16.62	17.7	0.0
100	QPSK	135	69	16.68	16.93	16.58	17.7	0.0
100	QPSK	135	138	16.37	16.45	16.20	17.7	0.0
100	QPSK	270	0	16.76	16.85	16.72		
100	16QAM	1	1	16.66	16.90	16.60	17.7	0.0
100	64QAM	1	1	16.40	16.46	16.20	17.7	0.0
100	256QAM	1	1	16.32	16.54	16.47	17.7	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.64	16.91	16.58	17.7	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.63	16.88	16.63	17.7	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.62	16.89	16.58	17.7	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.69	16.89	16.63	17.7	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.66	16.90	16.60	17.7	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	16.67	16.94	16.66	17.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.62	16.94	16.64	17.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.65	16.88	16.62	17.7	0.0

Part96 n78 PC3 Ant3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.60	16.84	16.51	17.7	0.0
100	PI/2 BPSK	1	137	16.30	16.36	16.14		
100	PI/2 BPSK	1	271	16.31	16.54	16.36		
100	PI/2 BPSK	135	0	16.60	16.86	16.57	17.7	0.0
100	PI/2 BPSK	135	69	16.60	16.80	16.55	17.7	0.0
100	PI/2 BPSK	135	138	16.32	16.35	16.11	17.7	0.0
100	PI/2 BPSK	270	0	16.34	16.52	16.36		
100	QPSK	1	1	16.67	16.94	16.63	17.7	0.0
100	QPSK	1	137	16.35	16.43	16.13		
100	QPSK	1	271	16.38	16.57	16.40		
100	QPSK	135	0	16.57	16.82	16.60	17.7	0.0
100	QPSK	135	69	16.61	16.86	16.51	17.7	0.0
100	QPSK	135	138	16.32	16.41	16.12	17.7	0.0
100	QPSK	270	0	16.70	16.79	16.69		
100	16QAM	1	1	16.60	16.84	16.57	17.7	0.0
100	64QAM	1	1	16.36	16.39	16.10	17.7	0.0
100	256QAM	1	1	16.27	16.46	16.39	17.7	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.59	16.87	16.56	17.7	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.60	16.88	16.54	17.7	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.63	16.92	16.59	17.7	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.60	16.87	16.58	17.7	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.60	16.90	16.59	17.7	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	16.58	16.90	16.59	17.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.61	16.89	16.60	17.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.60	16.91	16.60	17.7	0.0

n48 Part96 Ant4 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	15.11	15.13	15.03	15.9	0.0
40	PI/2 BPSK	1	53	14.89	14.94	14.90		
40	PI/2 BPSK	1	104	14.90	14.91	14.87		
40	PI/2 BPSK	50	0	15.02	15.07	14.99	15.9	0.0
40	PI/2 BPSK	50	28	15.00	15.13	14.94	15.9	0.0
40	PI/2 BPSK	50	56	14.89	14.99	14.79	15.9	0.0
40	PI/2 BPSK	100	0	14.84	15.04	14.97		
40	QPSK	1	1	15.15	15.21	15.07	15.9	0.0
40	QPSK	1	53	14.99	15.04	14.95		
40	QPSK	1	104	14.94	14.95	14.91		
40	QPSK	50	0	15.08	15.13	15.05	15.9	0.0
40	QPSK	50	28	15.07	15.18	15.00	15.9	0.0
40	QPSK	50	56	14.92	15.02	14.86	15.9	0.0
40	QPSK	100	0	14.91	15.11	15.07		
40	16QAM	1	1	15.10	15.14	15.01	15.9	0.0
40	64QAM	1	1	14.93	14.99	14.88	15.9	0.0
40	256QAM	1	1	14.88	14.90	14.85	15.9	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	15.10	15.15	15.02	15.9	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	15.12	15.15	14.97	15.9	0.0

Part270 n77 PC3&PC2 Ant4 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.53	14.60	14.33	15.4	0.0
100	PI/2 BPSK	1	137	14.37	14.57	14.48		
100	PI/2 BPSK	1	271	14.48	14.46	14.34		
100	PI/2 BPSK	135	0	14.46	14.57	14.26	15.4	0.0
100	PI/2 BPSK	135	69	14.44	14.58	14.27	15.4	0.0
100	PI/2 BPSK	135	138	14.29	14.50	14.34	15.4	0.0
100	PI/2 BPSK	270	0	14.42	14.50	14.33		
100	QPSK	1	1	14.59	14.68	14.40	15.4	0.0
100	QPSK	1	137	14.43	14.65	14.53		
100	QPSK	1	271	14.57	14.56	14.41		
100	QPSK	135	0	14.54	14.59	14.32	15.4	0.0
100	QPSK	135	69	14.51	14.63	14.32	15.4	0.0
100	QPSK	135	138	14.35	14.57	14.43	15.4	0.0
100	QPSK	270	0	14.52	14.53	14.38		
100	16QAM	1	1	14.56	14.60	14.31	15.4	0.0
100	64QAM	1	1	14.40	14.56	14.49	15.4	0.0
100	256QAM	1	1	14.52	14.48	14.33	15.4	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	14.54	14.63	14.36	15.4	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	14.54	14.66	14.36	15.4	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	14.55	14.64	14.35	15.4	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	14.51	14.60	14.33	15.4	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	14.53	14.60	14.37	15.4	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.50	14.63	14.35	15.4	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	14.52	14.60	14.32	15.4	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	14.51	14.63	14.35	15.4	0.0

Part27Q n77 PC3&PC2 Ant4 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		15.4	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.00		15.4	0.0
100	PI/2 BPSK	1	137		13.96			
100	PI/2 BPSK	1	271		13.88			
100	PI/2 BPSK	135	0		14.03		15.4	0.0
100	PI/2 BPSK	135	69		14.01		15.4	0.0
100	PI/2 BPSK	135	138		13.96		15.4	0.0
100	PI/2 BPSK	270	0		13.90			
100	QPSK	1	1		14.07		15.4	0.0
100	QPSK	1	137		14.01			
100	QPSK	1	271		13.97			
100	QPSK	135	0		13.97		15.4	0.0
100	QPSK	135	69		14.02		15.4	0.0
100	QPSK	135	138		13.95		15.4	0.0
100	QPSK	270	0		13.89			
100	16QAM	1	1		14.02		15.4	0.0
100	64QAM	1	1		13.97		15.4	0.0
100	256QAM	1	1		13.90		15.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.02	13.98	14.01	15.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.01	14.00	14.01	15.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.99	13.98	14.00	15.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.05	14.01	14.04	15.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.03	14.04	13.99	15.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.01	14.00	14.02	15.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.00	13.98	14.05	15.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.00	13.99	14.05	15.4	0.0

Part270 n78 PC3&PC2 Ant4 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		14.57		15.4	0.0
100	PI/2 BPSK	1	137		14.51			
100	PI/2 BPSK	1	271		14.40			
100	PI/2 BPSK	135	0		14.49		15.4	0.0
100	PI/2 BPSK	135	69		14.53		15.4	0.0
100	PI/2 BPSK	135	138		14.46		15.4	0.0
100	PI/2 BPSK	270	0		14.42			
100	QPSK	1	1		14.66		15.4	0.0
100	QPSK	1	137		14.56			
100	QPSK	1	271		14.47			
100	QPSK	135	0		14.55		15.4	0.0
100	QPSK	135	69		14.56		15.4	0.0
100	QPSK	135	138		14.51		15.4	0.0
100	QPSK	270	0		14.48			
100	16QAM	1	1		14.51		15.4	0.0
100	64QAM	1	1		14.53		15.4	0.0
100	256QAM	1	1		14.43		15.4	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	14.57	14.60	14.59	15.4	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	14.62	14.58	14.60	15.4	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.63	14.59	14.60	15.4	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	14.60	14.59	14.60	15.4	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	14.63	14.63	14.58	15.4	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.61	14.58	14.61	15.4	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	14.56	14.62	14.59	15.4	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.57	14.63	14.62	15.4	0.0

Part27Q n78 PC3&PC2 Ant4 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		15.4	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.92		15.4	0.0
100	PI/2 BPSK	1	137		13.91			
100	PI/2 BPSK	1	271		13.83			
100	PI/2 BPSK	135	0		13.93		15.4	0.0
100	PI/2 BPSK	135	69		13.96		15.4	0.0
100	PI/2 BPSK	135	138		13.89		15.4	0.0
100	PI/2 BPSK	270	0		13.87			
100	QPSK	1	1		14.00		15.4	0.0
100	QPSK	1	137		13.95			
100	QPSK	1	271		13.90			
100	QPSK	135	0		13.88		15.4	0.0
100	QPSK	135	69		13.92		15.4	0.0
100	QPSK	135	138		13.85		15.4	0.0
100	QPSK	270	0		13.83			
100	16QAM	1	1		13.93		15.4	0.0
100	64QAM	1	1		13.87		15.4	0.0
100	256QAM	1	1		13.82		15.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.91	13.95	13.96	15.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.98	13.96	13.90	15.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.91	13.97	13.90	15.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.91	13.96	13.93	15.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.93	13.91	13.97	15.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.90	13.97	13.93	15.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.98	13.95	13.97	15.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.96	13.98	13.90	15.4	0.0

Part96 n77 PC3 Ant4 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	14.35	14.38	14.18	15.4	0.0
100	PI/2 BPSK	1	137	14.17	14.35	14.26		
100	PI/2 BPSK	1	271	14.32	14.27	14.16		
100	PI/2 BPSK	135	0	14.29	14.38	14.17	15.4	0.0
100	PI/2 BPSK	135	69	14.29	14.36	14.19	15.4	0.0
100	PI/2 BPSK	135	138	14.14	14.35	14.24	15.4	0.0
100	PI/2 BPSK	270	0	14.33	14.27	14.19		
100	QPSK	1	1	14.38	14.44	14.26	15.4	0.0
100	QPSK	1	137	14.20	14.38	14.29		
100	QPSK	1	271	14.36	14.33	14.25		
100	QPSK	135	0	14.30	14.34	14.24	15.4	0.0
100	QPSK	135	69	14.29	14.39	14.16	15.4	0.0
100	QPSK	135	138	14.12	14.31	14.21	15.4	0.0
100	QPSK	270	0	14.23	14.35	14.18		
100	16QAM	1	1	14.34	14.36	14.22	15.4	0.0
100	64QAM	1	1	14.16	14.33	14.24	15.4	0.0
100	256QAM	1	1	14.32	14.27	14.16	15.4	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	14.33	14.35	14.22	15.4	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	14.32	14.36	14.19	15.4	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	14.31	14.35	14.22	15.4	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	14.28	14.34	14.18	15.4	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	14.28	14.36	14.16	15.4	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	14.36	14.40	14.20	15.4	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	14.31	14.35	14.20	15.4	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	14.35	14.40	14.24	15.4	0.0

Part96 n78 PC3 Ant4 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	14.25	14.30	14.10	15.4	0.0
100	PI/2 BPSK	1	137	14.10	14.32	14.24		
100	PI/2 BPSK	1	271	14.27	14.25	14.07		
100	PI/2 BPSK	135	0	14.25	14.30	14.09	15.4	0.0
100	PI/2 BPSK	135	69	14.21	14.32	14.12	15.4	0.0
100	PI/2 BPSK	135	138	14.08	14.31	14.20	15.4	0.0
100	PI/2 BPSK	270	0	14.30	14.17	14.17		
100	QPSK	1	1	14.33	14.41	14.17	15.4	0.0
100	QPSK	1	137	14.15	14.32	14.23		
100	QPSK	1	271	14.28	14.30	14.16		
100	QPSK	135	0	14.21	14.31	14.15	15.4	0.0
100	QPSK	135	69	14.20	14.37	14.14	15.4	0.0
100	QPSK	135	138	14.10	14.22	14.19	15.4	0.0
100	QPSK	270	0	14.20	14.30	14.11		
100	16QAM	1	1	14.30	14.33	14.14	15.4	0.0
100	64QAM	1	1	14.14	14.28	14.16	15.4	0.0
100	256QAM	1	1	14.28	14.23	14.10	15.4	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	14.30	14.32	14.09	15.4	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	14.28	14.35	14.13	15.4	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	14.27	14.39	14.15	15.4	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	14.26	14.39	14.11	15.4	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	14.24	14.35	14.13	15.4	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	14.30	14.32	14.09	15.4	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	14.31	14.39	14.10	15.4	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	14.27	14.33	14.09	15.4	0.0

n25 Ant5 Ant5 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000	24.4	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.20	23.31	23.31		
40	PI/2 BPSK	1	108	22.93	23.10	23.00	24.4	0.0
40	PI/2 BPSK	1	214	23.11	23.14	22.91		
40	PI/2 BPSK	108	0	23.25	23.32	23.27		
40	PI/2 BPSK	108	54	23.21	23.32	23.27	24.4	0.0
40	PI/2 BPSK	108	108	22.88	23.07	22.97	24.4	0.0
40	PI/2 BPSK	216	0	23.11	23.16	22.93		
40	QPSK	1	1	23.28	23.38	23.35		
40	QPSK	1	108	22.96	23.13	23.05	24.4	0.0
40	QPSK	1	214	23.19	23.18	22.96		
40	QPSK	108	0	23.18	23.24	23.18		
40	QPSK	108	54	23.23	23.28	23.25	24.4	0.0
40	QPSK	108	108	23.14	23.25	23.18	24.0	0.4
40	QPSK	216	0	23.13	23.21	23.16		
40	16QAM	1	1	23.22	23.32	23.29		
40	64QAM	1	1	21.76	21.88	21.69	22.5	1.9
40	256QAM	1	1	19.69	19.71	19.55	20.5	3.9
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.18	23.33	23.26	24.4	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.25	23.28	23.28	24.4	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.23	23.32	23.30	24.4	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.25	23.35	23.28	24.4	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.19	23.29	23.29	24.4	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.24	23.34	23.33	24.4	0.0

n66 Ant5 Ant5 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760	25.0	0.0
40	PI/2 BPSK	1	1	24.18	24.12	24.04		
40	PI/2 BPSK	1	108	24.11	24.25	24.08		
40	PI/2 BPSK	1	214	24.12	24.22	24.13	24.5	0.5
40	PI/2 BPSK	108	0	23.55	23.57	23.56		
40	PI/2 BPSK	108	54	24.04	24.01	24.04		
40	PI/2 BPSK	108	108	23.62	23.67	23.72	24.5	0.5
40	PI/2 BPSK	216	0	23.60	23.65	23.52		
40	QPSK	1	1	24.25	24.36	24.21	25.0	0.0
40	QPSK	1	108	23.90	24.07	23.99		
40	QPSK	1	214	24.01	24.16	23.90		
40	QPSK	108	0	23.12	23.13	23.04	24.0	1.0
40	QPSK	108	54	23.90	24.26	23.90	25.0	0.0
40	QPSK	108	108	23.05	23.13	23.12	24.0	1.0
40	QPSK	216	0	23.04	23.07	23.03		
40	16QAM	1	1	23.36	23.45	23.37	24.0	1.0
40	64QAM	1	1	21.63	21.83	21.54	22.5	2.5
40	256QAM	1	1	19.58	19.65	19.39	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.13	24.26	24.14	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.19	24.32	24.09	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.20	24.22	24.10	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.23	24.25	24.18	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.19	24.25	24.17	25.0	0.0

n41 PC2 Ant5 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.15	19.26	19.05		
100	PI/2 BPSK	1	137	18.99	19.21	18.98	20.4	0.0
100	PI/2 BPSK	1	271	18.78	18.94	18.79		
100	PI/2 BPSK	135	0	19.07	19.23	18.97	20.4	0.0
100	PI/2 BPSK	135	69	19.13	19.22	18.92	20.4	0.0
100	PI/2 BPSK	135	138	18.95	19.12	18.93	20.4	0.0
100	PI/2 BPSK	270	0	18.97	19.11	19.08		
100	QPSK	1	1	19.21	19.35	19.09	20.4	0.0
100	QPSK	1	137	19.05	19.25	19.05		
100	QPSK	1	271	18.88	19.00	18.85		
100	QPSK	135	0	19.11	19.31	19.07	20.4	0.0
100	QPSK	135	69	19.17	19.32	19.01	20.4	0.0
100	QPSK	135	138	18.98	19.20	19.02	20.4	0.0
100	QPSK	270	0	19.05	19.21	19.16		
100	16QAM	1	1	19.17	19.33	19.02	20.4	0.0
100	64QAM	1	1	18.97	19.21	19.01	20.4	0.0
100	256QAM	1	1	18.82	18.98	18.80	20.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.13	19.32	19.01	20.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.14	19.30	19.03	20.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.15	19.32	19.06	20.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.18	19.32	19.00	20.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.12	19.29	19.03	20.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.17	19.30	19.06	20.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.16	19.33	19.04	20.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.17	19.31	19.03	20.4	0.0



n41 PC2&PC3 Ant6 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640	20.3	0.0
100	PI/2 BPSK	1	1	18.99	19.17	18.96		
100	PI/2 BPSK	1	137	18.89	19.05	18.88		
100	PI/2 BPSK	1	271	18.89	19.07	18.99	20.3	0.0
100	PI/2 BPSK	135	0	19.02	19.13	19.04		
100	PI/2 BPSK	135	69	19.05	19.12	19.00		
100	PI/2 BPSK	135	138	18.93	19.11	18.88	20.3	0.0
100	PI/2 BPSK	270	0	18.91	19.02	19.04		
100	QPSK	1	1	19.08	19.22	19.06		
100	QPSK	1	137	18.95	19.14	18.96	20.3	0.0
100	QPSK	1	271	18.93	19.10	19.06		
100	QPSK	135	0	19.01	19.13	18.96		
100	QPSK	135	69	19.02	19.17	18.98	20.3	0.0
100	QPSK	135	138	18.88	19.07	18.90		
100	QPSK	270	0	18.87	19.08	19.01		
100	16QAM	1	1	19.01	19.18	18.99	20.3	0.0
100	64QAM	1	1	18.87	19.12	18.92	20.3	0.0
100	256QAM	1	1	18.89	19.07	19.01	20.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.00	19.13	18.99	20.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.03	19.16	18.99	20.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.00	19.17	18.98	20.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.01	19.13	19.02	20.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.06	19.19	18.96	20.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.03	19.20	19.01	20.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.01	19.13	19.00	20.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.05	19.17	18.97	20.3	0.0

Part270 n77 PC2&PC3 Ant6 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.28	19.47	19.22	20.1	0.0
100	PI/2 BPSK	1	137	19.35	19.41	19.37		
100	PI/2 BPSK	1	271	19.27	19.27	19.25		
100	PI/2 BPSK	135	0	19.31	19.50	19.28	20.1	0.0
100	PI/2 BPSK	135	69	19.27	19.49	19.27	20.1	0.0
100	PI/2 BPSK	135	138	19.34	19.39	19.33	20.1	0.0
100	PI/2 BPSK	270	0	19.27	19.32	19.19		
100	QPSK	1	1	19.35	19.55	19.32	20.1	0.0
100	QPSK	1	137	19.41	19.47	19.41		
100	QPSK	1	271	19.35	19.37	19.29		
100	QPSK	135	0	19.29	19.46	19.28	20.1	0.0
100	QPSK	135	69	19.32	19.53	19.24	20.1	0.0
100	QPSK	135	138	19.37	19.42	19.37	20.1	0.0
100	QPSK	270	0	19.29	19.30	19.24		
100	16QAM	1	1	19.28	19.52	19.23	20.1	0.0
100	64QAM	1	1	19.32	19.44	19.34	20.1	0.0
100	256QAM	1	1	19.26	19.35	19.25	20.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.27	19.46	19.24	20.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.32	19.48	19.24	20.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.32	19.52	19.26	20.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.32	19.47	19.29	20.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.31	19.53	19.28	20.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.26	19.53	19.30	20.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.31	19.50	19.22	20.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.29	19.48	19.23	20.1	0.0

Part27Q n77 PC2&PC3 Ant6 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		20.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.53		20.1	0.0
100	PI/2 BPSK	1	137		19.32			
100	PI/2 BPSK	1	271		19.33			
100	PI/2 BPSK	135	0		19.37		20.1	0.0
100	PI/2 BPSK	135	69		19.51		20.1	0.0
100	PI/2 BPSK	135	138		19.40		20.1	0.0
100	PI/2 BPSK	270	0		19.42			
100	QPSK	1	1		19.62		20.1	0.0
100	QPSK	1	137		19.41			
100	QPSK	1	271		19.41			
100	QPSK	135	0		19.45		20.1	0.0
100	QPSK	135	69		19.54		20.1	0.0
100	QPSK	135	138		19.48		20.1	0.0
100	QPSK	270	0		19.44			
100	16QAM	1	1		19.55		20.1	0.0
100	64QAM	1	1		19.36		20.1	0.0
100	256QAM	1	1		19.32		20.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.53	19.57	19.58	20.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.57	19.52	19.60	20.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.56	19.54	19.60	20.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.60	19.54	19.53	20.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.53	19.54	19.58	20.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.58	19.54	19.55	20.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.59	19.55	19.56	20.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.53	19.57	19.59	20.1	0.0

Part270 n78 PC2&PC3 Ant6 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.41		20.1	0.0
100	PI/2 BPSK	1	137		19.33			
100	PI/2 BPSK	1	271		19.20			
100	PI/2 BPSK	135	0		19.42		20.1	0.0
100	PI/2 BPSK	135	69		19.40		20.1	0.0
100	PI/2 BPSK	135	138		19.31		18.6	1.5
100	PI/2 BPSK	270	0		19.29			
100	QPSK	1	1		19.52		20.1	0.0
100	QPSK	1	137		19.39			
100	QPSK	1	271		19.30			
100	QPSK	135	0		19.37		20.1	0.0
100	QPSK	135	69		19.44		20.1	0.0
100	QPSK	135	138		19.34		20.1	0.0
100	QPSK	270	0		19.21			
100	16QAM	1	1		19.50		18.1	2.0
100	64QAM	1	1		19.40		17.1	3.0
100	256QAM	1	1		19.27		20.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.50	19.44	19.48	20.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.46	19.46	19.47	20.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.46	19.43	19.45	20.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.48	19.49	19.43	20.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.42	19.48	19.50	20.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.44	19.46	19.43	20.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.49	19.44	19.44	20.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.47	19.47	19.42	20.1	0.0

Part27Q n78 PC2&PC3 Ant6 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.46		20.1	0.0
100	PI/2 BPSK	1	137		19.26			
100	PI/2 BPSK	1	271		19.27			
100	PI/2 BPSK	135	0		19.28		20.1	0.0
100	PI/2 BPSK	135	69		19.42		20.1	0.0
100	PI/2 BPSK	135	138		19.33		18.1	2.0
100	PI/2 BPSK	270	0		19.35			
100	QPSK	1	1		19.52		20.1	0.0
100	QPSK	1	137		19.33			
100	QPSK	1	271		19.39			
100	QPSK	135	0		19.39		20.1	0.0
100	QPSK	135	69		19.47		20.1	0.0
100	QPSK	135	138		19.45		20.1	0.0
100	QPSK	270	0		19.39			
100	16QAM	1	1		19.51		18.6	1.5
100	64QAM	1	1		19.33		17.1	3.0
100	256QAM	1	1		19.23		15.1	5.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.42	19.45	19.46	20.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.46	19.43	19.50	20.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.48	19.43	19.42	20.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.46	19.48	19.45	20.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.45	19.44	19.49	20.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.44	19.47	19.47	20.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.45	19.45	19.44	20.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.42	19.45	19.50	20.1	0.0

Part96 n77 PC3 Ant6 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.85	18.96	18.90	20.1	0.0
100	PI/2 BPSK	1	137	18.53	18.56	18.58		
100	PI/2 BPSK	1	271	18.50	18.46	18.44		
100	PI/2 BPSK	135	0	18.88	18.91	18.88	20.1	0.0
100	PI/2 BPSK	135	69	18.86	18.92	18.93	20.1	0.0
100	PI/2 BPSK	135	138	18.56	18.55	18.54	20.1	0.0
100	PI/2 BPSK	270	0	18.50	18.49	18.48		
100	QPSK	1	1	18.96	19.01	18.98	20.1	0.0
100	QPSK	1	137	18.63	18.61	18.64		
100	QPSK	1	271	18.59	18.57	18.53		
100	QPSK	135	0	18.89	18.88	18.94	20.1	0.0
100	QPSK	135	69	18.86	18.95	18.89	20.1	0.0
100	QPSK	135	138	18.57	18.53	18.59	20.1	0.0
100	QPSK	270	0	18.78	18.88	18.72		
100	16QAM	1	1	18.86	18.90	18.88	20.1	0.0
100	64QAM	1	1	18.56	18.53	18.53	20.1	0.0
100	256QAM	1	1	18.54	18.51	18.47	20.1	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.89	18.90	18.93	20.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.88	18.95	18.91	20.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.89	18.93	18.93	20.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.91	18.97	18.89	20.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.89	18.95	18.86	20.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	18.89	18.90	18.92	20.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.88	18.94	18.90	20.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.90	18.91	18.90	20.1	0.0

Part96 n78 PC3 Ant6 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.75	18.90	18.85	20.1	0.0
100	PI/2 BPSK	1	137	18.45	18.50	18.52		
100	PI/2 BPSK	1	271	18.40	18.36	18.39		
100	PI/2 BPSK	135	0	18.77	18.81	18.77	20.1	0.0
100	PI/2 BPSK	135	69	18.78	18.82	18.82	20.1	0.0
100	PI/2 BPSK	135	138	18.48	18.46	18.49	20.1	0.0
100	PI/2 BPSK	270	0	18.41	18.38	18.43		
100	QPSK	1	1	18.84	18.91	18.86	20.1	0.0
100	QPSK	1	137	18.54	18.50	18.54		
100	QPSK	1	271	18.53	18.50	18.41		
100	QPSK	135	0	18.85	18.80	18.83	20.1	0.0
100	QPSK	135	69	18.75	18.87	18.84	20.1	0.0
100	QPSK	135	138	18.52	18.46	18.48	20.1	0.0
100	QPSK	270	0	18.71	18.78	18.61		
100	16QAM	1	1	18.78	18.82	18.78	20.1	0.0
100	64QAM	1	1	18.51	18.43	18.42	20.1	0.0
100	256QAM	1	1	18.45	18.47	18.40	20.1	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.86	18.84	18.84	20.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.86	18.85	18.83	20.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.85	18.80	18.85	20.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.84	18.82	18.87	20.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.81	18.81	18.80	20.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	18.82	18.86	18.82	20.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.81	18.82	18.82	20.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.85	18.79	18.80	20.1	0.0

Reduced Power Mode for DSI 4

n5 Ant0 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.00	22.17	22.04	23.6	0.0
20	PI/2 BPSK	1	53	22.01	21.98	22.13		
20	PI/2 BPSK	1	104	22.06	22.15	22.01		
20	PI/2 BPSK	50	0	21.98	21.92	21.98	23.6	0.0
20	PI/2 BPSK	50	28	21.99	22.02	21.97	23.6	0.0
20	PI/2 BPSK	50	56	21.95	21.87	22.01	23.6	0.0
20	PI/2 BPSK	100	0	21.97	21.96	21.94		
20	QPSK	1	1	22.12	22.19	22.16	23.6	0.0
20	QPSK	1	53	22.10	22.06	22.17		
20	QPSK	1	104	22.18	22.15	22.14		
20	QPSK	50	0	22.00	22.05	22.04	23.6	0.0
20	QPSK	50	28	22.03	22.12	22.09	23.6	0.0
20	QPSK	50	56	22.00	21.96	22.10	23.6	0.0
20	QPSK	100	0	22.07	22.10	22.02		
20	16QAM	1	1	22.01	22.14	22.06	23.6	0.0
20	64QAM	1	1	20.77	20.88	20.83	22.5	1.1
20	256QAM	1	1	18.96	18.99	18.84	20.5	3.1
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.09	22.09	22.13	23.6	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.06	22.15	22.08	23.6	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.99	22.16	22.03	23.6	0.0

n12 Ant0 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.19	23.20	23.22	24.4	0.0
15	PI/2 BPSK	1	40	23.15	23.15	23.11		
15	PI/2 BPSK	1	77	23.13	23.20	23.21		
15	PI/2 BPSK	36	0	23.18	23.28	23.10	24.4	0.0
15	PI/2 BPSK	36	22	23.21	23.22	23.27	24.4	0.0
15	PI/2 BPSK	36	43	23.12	23.18	23.03	24.4	0.0
15	PI/2 BPSK	75	0	23.10	23.21	23.09		
15	QPSK	1	1	23.27	23.29	23.22	24.4	0.0
15	QPSK	1	40	23.07	23.23	23.16		
15	QPSK	1	77	23.22	23.22	23.25		
15	QPSK	36	0	22.82	22.87	22.80	24.0	0.4
15	QPSK	36	22	23.06	23.15	23.11	24.4	0.0
15	QPSK	36	43	22.75	22.78	22.65	24.0	0.4
15	QPSK	75	0	22.68	22.75	22.69		
15	16QAM	1	1	22.75	22.91	22.82	24.0	0.4
15	64QAM	1	1	20.93	20.96	20.92	22.5	1.9
	256QAM	1	1	19.02	19.13	18.96	20.5	3.9
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.20	23.18	23.23	24.4	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.21	23.21	23.26	24.4	0.0