

Part270 n78 ANT7									
RF Mod	Modulation	RF SS	RF Offset	Power Ch1 Ch2	Power Ch3 Ch4	Power Ch5 Ch6	Power Ch7 Ch8	Weighting curve	MPF dB
100	Frequency	1	1	27.00	27.00	27.00			
100	PSK256QAM	1	1	27.00	27.00	27.00		24.0	0.0
100	PSK256QAM	1	127	27.00	27.00	27.00			
100	PSK256QAM	1	271	27.00	27.00	27.00		23.5	0.0
100	PSK256QAM	128	271	27.00	27.00	27.00		23.5	0.0
100	PSK256QAM	128	69	27.00	27.00	27.00		24.0	0.0
100	PSK256QAM	128	238	27.00	27.00	27.00		23.5	0.0
100	PSK256QAM	271	0	27.00	27.00	27.00		24.0	0.0
100	PSK256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	QPSK	1	1	27.00	27.00	27.00		23.5	1.0
100	QPSK	128	69	27.00	27.00	27.00		24.0	0.0
100	QPSK	128	238	27.00	27.00	27.00		23.5	0.0
100	QPSK	271	0	27.00	27.00	27.00		23.5	0.0
100	QPSK	271	127	27.00	27.00	27.00		23.5	0.0
100	QPSK	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	1	1	27.00	27.00	27.00		23.5	0.0
100	256QAM	1	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	1	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	128	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	128	69	27.00	27.00	27.00		24.0	0.0
100	256QAM	128	238	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	0	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	127	27.00	27.00	27.00		23.5	0.0
100	256QAM	271	271	27.00	27.00	27.00		23.5	0.0
100	256QAM								

[illegible]

Part27Q 78 AN7									
Bit Pattern	Modulation	Bit Size	Bit Offset	Power Ch. Offset	Power Flare Ch. Offset	Power High Ch. Offset	Frequency Hz	Frequency Hz	MPK (dB)
Frequency (MHz)									
100	PSK25K	1	0	23.73	23.73		23.73		
100	PSK25K	1	127	23.88	23.88		24.0	0.0	
100	PSK25K	1	255	24.03	24.03		24.15	0.0	
100	PSK25K	150	0	23.73	23.73		23.5	0.0	
100	PSK25K	150	63	23.88	23.88		24.0	0.0	
100	PSK25K	150	126	24.03	24.03		24.15	0.0	
100	PSK25K	255	0	23.88	23.88		24.0	0.0	
100	QPSK	1	127	23.73	23.73		24.0	0.0	
100	QPSK	1	271	23.82	23.82		23.5	1.0	
100	QPSK	1	254	23.97	23.97		24.0	0.0	
100	QPSK	150	63	23.88	23.88		24.0	0.0	
100	QPSK	150	126	24.03	24.03		24.15	1.0	
100	QPSK	255	0	23.73	23.73		23.5	1.0	
100	QPSK	1	0	23.73	23.73		23.5	0.0	
100	QPSK	1	127	23.88	23.88		24.0	0.0	
100	QPSK	1	255	24.03	24.03		24.15	0.0	
100	25QAM	1	0	19.96	19.96		19.5	4.0	
Frequency (MHz)									
90	QPSK	1	0	23.73	23.73	0.0000	23.73	0.0	
90	QPSK	1	127	23.88	23.88	0.0000	24.0	0.0	
90	QPSK	1	255	24.03	24.03	0.0000	24.15	0.0	
90	QPSK	150	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	150	63	23.88	23.88	0.0000	24.0	0.0	
90	QPSK	150	126	24.03	24.03	0.0000	24.15	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.88	23.88	0.0000	24.0	0.0	
90	QPSK	1	255	24.03	24.03	0.0000	24.15	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	
90	QPSK	1	127	23.77	23.77	0.0000	24.0	0.0	
90	QPSK	1	255	23.92	23.92	0.0000	24.0	0.0	
90	QPSK	150	63	23.82	23.82	0.0000	24.0	0.0	
90	QPSK	150	126	23.97	23.97	0.0000	24.0	0.0	
90	QPSK	255	0	23.73	23.73	0.0000	23.5	0.0	

[illegible]

Par270 n77 ANT5									
RF Mod	Modulation	RF Size	RF Offset	Power Ch1 [dBm]	Power Ch2 [dBm]	Power Ch3 [dBm]	Power Ch4 [dBm]	Output Power [dBm]	IMD3 [dBc]
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.01	23.00		23.5	0.0
100	FSK	2710	187	23.01	23.07	23.07		24.6	0.0
100	FSK	2710	375	23.07	23.13	23.13			
100	FSK	1	0	22.31	22.47	22.48			
100	FSK	1	187	22.47	22.53	22.53		24.1	0.0
100	FSK	1	375	22.53	22.59	22.59			
100	FSK	1500	0	22.58	22.70	22.67		23.5	0.0
100	FSK	1500	187	22.70	22.77	22.76		24.6	0.0
100	FSK	1500	375	22.77	22.83	22.83			
100	FSK	2710	0	22.80	23.				

Par270 n77 HPUE ANT5									
RF [MHz]	Modulation	RF Side	RF Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	HPUE [dB]	HPUE [dB]
Frequency [MHz]				HPUE [dB]	HPUE [dB]	HPUE [dB]	HPUE [dB]	HPUE [dB]	HPUE [dB]
100	PSK256QAM	Y	0	20.18	20.41	20.41			
100	PSK256QAM	Y	1	20.18	20.41	20.41	27.0	0.0	
100	PSK256QAM	Y	187	20.33	20.48	20.42			
100	PSK256QAM	Y	188	20.33	20.48	20.42			
100	PSK256QAM	Y	189	20.36	20.43	20.38	27.0	0.0	
100	PSK256QAM	Y	190	20.36	20.43	20.38			
100	PSK256QAM	Y	191	20.38	20.38	20.37	27.0	0.0	
100	PSK256QAM	Y	192	20.38	20.38	20.37			
100	PSK256QAM	Y	270.0	20.27	20.42	20.37			
100	PSK256QAM	Y	270.1	20.27	20.42	20.37	27.0	0.0	
100	QPSK16	Y	187	20.30	20.45	20.41			
100	QPSK16	Y	270	20.29	20.38	20.37			
100	QPSK16	Y	271	20.29	20.38	20.37	26.0	1.0	
100	QPSK16	Y	272	20.29	20.38	20.37			
100	QPSK16	Y	273	20.31	20.38	20.33	27.0	0.0	
100	QPSK16	Y	274	20.31	20.38	20.33			
100	QPSK16	Y	275	20.31	20.38	20.33	26.0	1.0	
100	QPSK16	Y	276	20.31	20.38	20.33			
100	QPSK16	Y	277	20.31	20.38	20.33	27.0	0.0	
100	QPSK16	Y	278	20.31	20.38	20.33			
100	QPSK16	Y	279	20.31	20.38	20.33	26.0	1.0	
100	QPSK16	Y	280	20.31	20.38	20.33			
100	QPSK16	Y	281	20.31	20.38	20.33	27.0	0.0	
100	QPSK16	Y	282	20.31	20.38	20.33			
100	QPSK16	Y	283	20.31	20.38	20.33	26.0	1.0	
100	QPSK16	Y	284	20.31	20.38	20.33			
100	QPSK16	Y	285	20.31	20.38	20.33	27.0	0.0	
100	QPSK16	Y	286	20.31	20.38	20.33			
100	QPSK16	Y	287	20.31	20.38	20.33	26.0	1.0	
100	QPSK16	Y	288	20.31	20.38	20.33			
100	QPSK16	Y	289	20.31	20.38	20.33	27.0	0.0	
100	QPSK16	Y	290	20.31	20.38	20.33			
100	QPSK16	Y	291	20.31	20.38	20.33	26.0	1.0	
100	QPSK16	Y	292	20.31	20.38	20.33			
100	QPSK16	Y	293	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	294	20.31	20.41	20.40			
100	QPSK16	Y	295	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	296	20.31	20.41	20.40			
100	QPSK16	Y	297	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	298	20.31	20.41	20.40			
100	QPSK16	Y	299	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	300	20.31	20.41	20.40			
100	QPSK16	Y	301	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	302	20.31	20.41	20.40			
100	QPSK16	Y	303	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	304	20.31	20.41	20.40			
100	QPSK16	Y	305	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	306	20.31	20.41	20.40			
100	QPSK16	Y	307	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	308	20.31	20.41	20.40			
100	QPSK16	Y	309	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	310	20.31	20.41	20.40			
100	QPSK16	Y	311	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	312	20.31	20.41	20.40			
100	QPSK16	Y	313	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	314	20.31	20.41	20.40			
100	QPSK16	Y	315	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	316	20.31	20.41	20.40			
100	QPSK16	Y	317	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	318	20.31	20.41	20.40			
100	QPSK16	Y	319	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	320	20.31	20.41	20.40			
100	QPSK16	Y	321	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	322	20.31	20.41	20.40			
100	QPSK16	Y	323	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	324	20.31	20.41	20.40			
100	QPSK16	Y	325	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	326	20.31	20.41	20.40			
100	QPSK16	Y	327	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	328	20.31	20.41	20.40			
100	QPSK16	Y	329	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	330	20.31	20.41	20.40			
100	QPSK16	Y	331	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	332	20.31	20.41	20.40			
100	QPSK16	Y	333	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	334	20.31	20.41	20.40			
100	QPSK16	Y	335	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	336	20.31	20.41	20.40			
100	QPSK16	Y	337	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	338	20.31	20.41	20.40			
100	QPSK16	Y	339	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	340	20.31	20.41	20.40			
100	QPSK16	Y	341	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	342	20.31	20.41	20.40			
100	QPSK16	Y	343	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	344	20.31	20.41	20.40			
100	QPSK16	Y	345	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	346	20.31	20.41	20.40			
100	QPSK16	Y	347	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	348	20.31	20.41	20.40			
100	QPSK16	Y	349	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	350	20.31	20.41	20.40			
100	QPSK16	Y	351	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	352	20.31	20.41	20.40			
100	QPSK16	Y	353	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	354	20.31	20.41	20.40			
100	QPSK16	Y	355	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	356	20.31	20.41	20.40			
100	QPSK16	Y	357	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	358	20.31	20.41	20.40			
100	QPSK16	Y	359	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	360	20.31	20.41	20.40			
100	QPSK16	Y	361	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	362	20.31	20.41	20.40			
100	QPSK16	Y	363	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	364	20.31	20.41	20.40			
100	QPSK16	Y	365	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	366	20.31	20.41	20.40			
100	QPSK16	Y	367	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	368	20.31	20.41	20.40			
100	QPSK16	Y	369	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	370	20.31	20.41	20.40			
100	QPSK16	Y	371	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	372	20.31	20.41	20.40			
100	QPSK16	Y	373	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	374	20.31	20.41	20.40			
100	QPSK16	Y	375	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	376	20.31	20.41	20.40			
100	QPSK16	Y	377	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	378	20.31	20.41	20.40			
100	QPSK16	Y	379	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	380	20.31	20.41	20.40			
100	QPSK16	Y	381	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	382	20.31	20.41	20.40			
100	QPSK16	Y	383	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	384	20.31	20.41	20.40			
100	QPSK16	Y	385	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	386	20.31	20.41	20.40			
100	QPSK16	Y	387	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	388	20.31	20.41	20.40			
100	QPSK16	Y	389	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	390	20.31	20.41	20.40			
100	QPSK16	Y	391	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	392	20.31	20.41	20.40			
100	QPSK16	Y	393	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	394	20.31	20.41	20.40			
100	QPSK16	Y	395	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	396	20.31	20.41	20.40			
100	QPSK16	Y	397	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	398	20.31	20.41	20.40			
100	QPSK16	Y	399	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	400	20.31	20.41	20.40			
100	QPSK16	Y	401	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	402	20.31	20.41	20.40			
100	QPSK16	Y	403	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	404	20.31	20.41	20.40			
100	QPSK16	Y	405	20.31	20.41	20.40	27.0	0.0	
100	QPSK16	Y	406	20.31	20.41	20.4			

Part27Q n77 ANT5									
SR [MHz]	Modulation	RF Size	RF Offset	Power Ch. Offset	Power Flare Ch. Offset	Power Flare Ch. High	Power Flare Ch. Low	Frequency [MHz]	MT [dB]
Frequency [MHz]									
100	PSK25	1	0	22.05	22.05			22.05	0.0
100	PSK25	1	187	22.70	22.70			24.1	0.0
100	PSK25	1	374	23.35	23.35			25.5	0.0
100	PSK25	1	561	24.00	24.00			26.9	0.0
100	PSK25	1	748	24.65	24.65			28.3	0.0
100	PSK25	1	935	25.30	25.30			30.0	0.0
100	PSK25	1	1122	25.95	25.95			31.5	0.0
100	PSK25	1	1309	26.60	26.60			33.0	0.0
100	PSK25	1	1496	27.25	27.27			34.5	0.0
100	PSK25	1	1683	27.90	27.93			36.0	0.0
100	PSK25	1	1870	28.55	28.58			37.5	0.0
100	PSK25	1	2057	29.20	29.23			39.0	0.0
100	PSK25	1	2244	29.85	29.88			40.5	0.0
100	PSK25	1	2431	30.50	30.53			42.0	0.0
100	PSK25	1	2618	31.15	31.18			43.5	0.0
100	PSK25	1	2805	31.80	31.83			45.0	0.0
100	PSK25	1	2992	32.45	32.48			46.5	0.0
100	PSK25	1	3179	33.10	33.13			48.0	0.0
100	PSK25	1	3366	33.75	33.78			49.5	0.0
100	PSK25	1	3553	34.40	34.43			51.0	0.0
100	PSK25	1	3740	35.05	35.08			52.5	0.0
100	PSK25	1	3927	35.70	35.73			54.0	0.0
100	PSK25	1	4114	36.35	36.38			55.5	0.0
100	PSK25	1	4301	37.00	37.03			57.0	0.0
100	PSK25	1	4488	37.65	37.68			58.5	0.0
100	PSK25	1	4675	38.30	38.33			60.0	0.0
100	PSK25	1	4862	38.95	38.98			61.5	0.0
100	PSK25	1	5049	39.60	39.63			63.0	0.0
100	PSK25	1	5236	40.25	40.28			64.5	0.0
100	PSK25	1	5423	40.90	40.93			66.0	0.0
100	PSK25	1	5610	41.55	41.58			67.5	0.0
100	PSK25	1	5797	42.20	42.23			69.0	0.0
100	PSK25	1	5984	42.85	42.88			70.5	0.0
100	PSK25	1	6171	43.50	43.53			72.0	0.0
100	PSK25	1	6358	44.15	44.18			73.5	0.0
100	PSK25	1	6545	44.80	44.83			75.0	0.0
100	PSK25	1	6732	45.45	45.48			76.5	0.0
100	PSK25	1	6919	46.10	46.13			78.0	0.0
100	PSK25	1	7106	46.75	46.78			79.5	0.0
100	PSK25	1	7293	47.40	47.43			81.0	0.0
100	PSK25	1	7480	48.05	48.08			82.5	0.0
100	PSK25	1	7667	48.70	48.73			84.0	0.0
100	PSK25	1	7854	49.35	49.38			85.5	0.0
100	PSK25	1	8041	50.00	50.03			87.0	0.0
100	PSK25	1	8228	50.65	50.68			88.5	0.0
100	PSK25	1	8415	51.30	51.33			90.0	0.0
100	PSK25	1	8602	51.95	51.98			91.5	0.0
100	PSK25	1	8789	52.60	52.63			93.0	0.0
100	PSK25	1	8976	53.25	53.28			94.5	0.0
100	PSK25	1	9163	53.90	53.93			96.0	0.0
100	PSK25	1	9350	54.55	54.58			97.5	0.0
100	PSK25	1	9537	55.20	55.23			99.0	0.0
100	PSK25	1	9724	55.85	55.88			100.5	0.0
100	PSK25	1	9911	56.50	56.53			102.0	0.0
100	PSK25	1	10098	57.15	57.18			103.5	0.0
100	PSK25	1	10285	57.80	57.83			105.0	0.0
100	PSK25	1	10472	58.45	58.48			106.5	0.0
100	PSK25	1	10659	59.10	59.13			108.0	0.0
100	PSK25	1	10846	59.75	59.78			109.5	0.0
100	PSK25	1	11033	60.40	60.43			111.0	0.0
100	PSK25	1	11220	61.05	61.08			112.5	0.0
100	PSK25	1	11407	61.70	61.73			114.0	0.0
100	PSK25	1	11594	62.35	62.38			115.5	0.0
100	PSK25	1	11781	63.00	63.03			117.0	0.0
100	PSK25	1	11968	63.65	63.68			118.5	0.0
100	PSK25	1	12155	64.30	64.33			120.0	0.0
100	PSK25	1	12342	64.95	64.98			121.5	0.0
100	PSK25	1	12529	65.60	65.63			123.0	0.0
100	PSK25	1	12716	66.25	66.28			124.5	0.0
100	PSK25	1	12903	66.90	66.93			126.0	0.0
100	PSK25	1	13090	67.55	67.58			127.5	0.0
100	PSK25	1	13277	68.20	68.23			129.0	0.0
100	PSK25	1	13464	68.85	68.88			130.5	0.0
100	PSK25	1	13651	69.50	69.53			132.0	0.0
100	PSK25	1	13838	70.15	70.18			133.5	0.0
100	PSK25	1	14025	70.80	70.83			135.0	0.0
100	PSK25	1	14212	71.45	71.48			136.5	0.0
100	PSK25	1	14399	72.10	72.13			138.0	0.0
100	PSK25	1	14586	72.75	72.78			139.5	0.0
100	PSK25	1	14773	73.40	73.43			141.0	0.0
100	PSK25	1	14960	74.05	74.08			142.5	0.0
100	PSK25	1	15147	74.70	74.73			144.0	0.0
100	PSK25	1	15334	75.35	75.38			145.5	0.0
100	PSK25	1	15521	76.00	76.03			147.0	0.0
100	PSK25	1	15708	76.65	76.68			148.5	0.0
100	PSK25	1	15895	77.30	77.33			150.0	0.0
100	PSK25	1	16082	77.95	77.98			151.5	0.0
100	PSK25	1	16269	78.60	78.63			153.0	0.0
100	PSK25	1	16456	79.25	79.28			154.5	0.0
100	PSK25	1	16643	79.90	79.93			156.0	0.0
100	PSK25	1	16830	80.55	80.58			157.5	0.0
100	PSK25	1	17017	81.20	81.23			159.0	0.0
100	PSK25	1	17204	81.85	81.88			160.5	0.0
100	PSK25	1	17391	82.50	82.53			162.0	0.0
100	PSK25	1	17578	83.15	83.18			163.5	0.0
100	PSK25	1	17765	83.80	83.83			165.0	0.0
100	PSK25	1	17952	84.45	84.48			166.5	0.0
100	PSK25	1	18139	85.10	85.13			168.0	0.0
100	PSK25	1	18326	85.75	85.78			169.5	0.0
100	PSK25	1	18513	86.40	86.43			171.0	0.0
100	PSK25	1	18700	87.05	87.08			172.5	0.0
100	PSK25	1	18887	87.70	87.73			174.0	0.0
100	PSK25	1	19074	88.35	88.38			175.5	0.0
100	PSK25	1	19261	89.00	89.03			177.0	0.0
100	PSK25	1	19448	89.65	89.68			178.5	0.0
100	PSK25	1	19635	90.30	90.33			180.0	0.0
100	PSK25	1	19822	90.95	90.98			181.5	0.0
100	PSK25	1	20009	91.60	91.63			183.0	0.0
100	PSK25	1	20196	92.25	92.28			184.5	0.0
100	PSK25	1	20383	92.90	92.93			186.0	0.0
100	PSK25	1	20570	93.55	93.58			187.5	0.0
100	PSK25	1	20757	94.20	94.23			189.0	0.0
100	PSK25	1	20944	94.85	94.88			190.5	0.0
100	PSK25	1	21131	95.50	95.53			192.0	0.0
100	PSK25	1	21318	96.15	96.18			193.5	0.0
100	PSK25	1	21505	96.80	96.83			195.0	0.0
100	PSK25	1	21692	97.45	97.48			196.5	0.0
100	PSK25	1	21879	98.10	98.13			198.0	0.0
100	PSK25	1	22066	98.75	98.78			199.5	0.0
100	PSK25	1	22253	99.40	99.43			201.0	0.0
100	PSK25	1	22440	100.05	100.08			202.5	0.0
100	PSK25	1	22627	100.70	100.73			204.0	0.0
100	PSK25	1	22814	101.35	101.38			205.5	0.0
100	PSK25	1	23001	102.00	102.03			207.0	0.0
100	PSK25	1	23188	102.65	102.68			208.5	0.0
100	PSK25	1	23375	103.30	103.33			210.0	0.0
100	PSK25	1	23562	103.95	103.98			211.5	0.0
100	PSK25	1	23749	104.60	104.63			213.0	0.0
100	PSK25	1	23936	105.25	105.28			214.5	0.0
100	PSK25	1	24123	105.90	105.93			216.0	0.0
100	PSK25	1	24310	106.55	106.58			217.5	0.0
100	PSK25	1	24497	107.20	107.23			219.0	0.0
100	PSK25	1	24684	107.85	107.88			220.5	0.0
100	PSK25	1	24871	108.50	108.53			222.0	0.0
100	PSK25	1	25058	109.15	109.18			223.5	0.0
100	PSK25	1	25245	109.80	109.83			225.0	0.0
100	PSK25	1	25432	110.45	110.48			226.5	0.0
100	PSK25	1	25619	111.10	111.13			228.0	0.0
100	PSK25	1	25806	111.75	111.78			229.5	0.0
100	PSK25	1	25993	112.40	112.43			231.0	0.0
100	PSK25	1	26180	113.05	113.08			232.5	0.0
100	PSK25	1	26367	113.70	113.73			234.0	0.0
100	PSK25	1	26554	114.35	114.38			235.5	0.0
100	PSK25	1	26741	115.00	115.03			237.0	0.0
100	PSK25	1	26928	115.65	115.68			238.5	0.0
100	PSK25	1	27115	116.30	116.33			240.0	0.0
100	PSK25	1	27302	116.95	116.98			241.5	0.0
100	PSK25	1	27489	117.60	117.63			243.0	0.0
100									

[illegible]



Reduced Power for DS12 Simultaneous

n2 Ant0 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mid Ch. F/Freq.	Power High Ch. F/Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
20	P12-BPSK	1	1	23.17	23.18	23.08		24.0	0.0
20	P12-BPSK	1	81	23.07	23.10	23.07			
20	P12-BPSK	1	104	23.10	23.15	23.08			
20	P12-BPSK	50	0	23.02	23.14	23.09	24.0	0.0	
20	P12-BPSK	50	80	23.11	23.21	23.17	24.0	0.0	
20	P12-BPSK	50	56	23.02	23.08	22.97	24.0	0.0	
20	P12-BPSK	100	0	23.11	23.18	23.14			
20	QPSK	1	1	23.10	23.20	23.08		24.0	0.0
20	QPSK	1	104	23.10	23.10	23.08			
20	QPSK	50	0	23.13	23.20	23.09	24.0	0.0	
20	QPSK	50	80	23.12	23.22	23.10	24.0	0.0	
20	QPSK	50	56	23.10	23.16	23.03	24.0	0.0	
20	QPSK	100	0	23.08	23.20	23.06			
20	16QAM	1	1	23.05	23.12	23.07	24.0	0.0	
20	16QAM	1	1	23.05	23.07	23.07	24.0	0.0	
20	256QAM	1	1	23.05	23.07	23.07	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	18.53	18.55	18.52		24.0	0.0
15	QPSK	1	1	23.09	23.12	23.05	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	18.55	18.56	18.54		24.0	0.0
10	QPSK	1	1	23.10	23.11	23.04	24.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	18.56	18.57	18.55		24.0	0.0
5	QPSK	1	1	23.08	23.14	23.05	24.0	0.0	

n5 Ant0 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mid Ch. F/Freq.	Power High Ch. F/Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
20	P12-BPSK	1	1	23.20	23.30	23.25		24.0	0.0
20	P12-BPSK	1	80	23.19	23.23	23.17			
20	P12-BPSK	1	104	22.97	23.11	23.04			
20	P12-BPSK	50	0	23.21	23.30	23.25	24.0	0.0	
20	P12-BPSK	50	80	23.15	23.28	23.15	24.0	0.0	
20	P12-BPSK	50	56	23.15	23.22	23.11			
20	P12-BPSK	100	0	23.19	23.28	23.20	24.0	0.0	
20	QPSK	1	1	23.40	23.43	23.30			
20	QPSK	1	104	23.03	23.11	23.07	24.0	0.0	
20	QPSK	50	0	23.25	23.32	23.25	24.0	0.0	
20	QPSK	50	80	23.26	23.35	23.30	24.0	0.0	
20	QPSK	50	56	23.14	23.27	23.14	24.0	0.0	
20	QPSK	100	0	23.13	23.26	23.16			
20	16QAM	1	1	23.23	23.41	23.32	24.0	0.0	
20	16QAM	1	1	20.12	20.23	20.17	20.0	0.0	
20	256QAM	1	1	10.07	10.11	10.07	20.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	23.26	23.34	23.20	24.0	0.0	
10	QPSK	1	1	23.25	23.29	23.10	24.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	23.34	23.37	23.20	24.0	0.0	

n7 Ant0 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mid Ch. F/Freq.	Power High Ch. F/Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
40	P12-BPSK	1	1	23.21	23.31	23.20		24.0	0.0
40	P12-BPSK	1	100	23.21	23.26	23.14			
40	P12-BPSK	1	214	23.09	23.21	23.10			
40	P12-BPSK	100	0	23.22	23.34	23.20	24.0	0.0	
40	P12-BPSK	100	84	23.20	23.24	23.10	24.0	0.0	
40	P12-BPSK	100	100	23.18	23.28	23.22			
40	P12-BPSK	214	0	23.20	23.33	23.20	24.0	0.0	
40	QPSK	1	1	23.12	23.30	23.20			
40	QPSK	1	100	23.09	23.21	23.09	24.0	0.0	
40	QPSK	1	214	23.15	23.24	23.05			
40	QPSK	100	0	23.27	23.17	23.14	24.0	0.0	
40	QPSK	100	84	23.23	23.27	23.20	24.0	0.0	
40	QPSK	100	100	23.11	23.22	23.10	24.0	0.0	
40	16QAM	1	1	23.16	23.30	23.14	24.0	0.0	
40	256QAM	1	1	10.10	10.00	10.00	20.0	0.0	
Channel									
30	P12-BPSK	1	1	23.09	23.32	23.22	24.0	0.0	
Channel									
20	P12-BPSK	1	1	23.09	23.27	23.16	24.0	0.0	
Channel									
20	QPSK	1	1	23.12	23.33	23.17	24.0	0.0	
Channel									
15	QPSK	1	1	23.01	23.22	23.10	24.0	0.0	
Channel									
10	QPSK	1	1	23.05	23.28	23.17	24.0	0.0	
Channel									
5	QPSK	1	1	23.02	23.24	23.12	24.0	0.0	

n66 Ant0 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mid Ch. F/Freq.	Power High Ch. F/Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
40	P12-BPSK	1	1	23.01	23.10	23.00		24.0	0.0
40	P12-BPSK	1	100	23.00	23.12	23.00			
40	P12-BPSK	1	214	22.98	23.10	23.00			
40	P12-BPSK	100	0	23.02	23.14	23.00	24.0	0.0	
40	P12-BPSK	100	84	23.01	23.05	23.00	24.0	0.0	
40	P12-BPSK	100	100	23.04	23.10	23.00			
40	P12-BPSK	214	0	23.00	23.14	23.00	24.0	0.0	
40	QPSK	1	1	23.12	23.17	23.00			
40	QPSK	1	100	22.96	23.06	23.00	24.0	0.0	
40	QPSK	1	214	22.99	23.05	23.00			
40	QPSK	100	0	22.94	23.08	23.02	24.0	0.0	
40	QPSK	100	84	23.01	23.12	23.00	24.0	0.0	
40	QPSK	100	100	23.00	23.07	23.00	24.0	0.0	
40	16QAM	1	1	22.92	23.04	23.00	24.0	0.0	
40	16QAM	1	1	21.80	21.85	21.74	20.0	0.0	
40	256QAM	1	1	10.10	10.00	10.00	20.0	0.0	
Channel									
30	P12-BPSK	1	1	22.99	23.05	23.02	24.0	0.0	
Channel									
20	QPSK	1	1	23.07	23.14	23.01	24.0	0.0	
Channel									
15	QPSK	1	1	23.10	23.11	23.01	24.0	0.0	
Channel									
10	QPSK	1	1	23.08	23.05	23.00	24.0	0.0	
Channel									
5	QPSK	1	1	23.02	23.08	23.00	24.0	0.0	

n41 PC3 Ant0 DSI2 Simultaneous								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit	MPR (dB)
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.44	23.49	23.37	24.0	0.0
100	PI/2 BPSK	1	137	23.44	23.52	23.40		
100	PI/2 BPSK	1	271	23.43	23.54	23.50		
100	PI/2 BPSK	135	0	22.92	23.02	22.92		
100	PI/2 BPSK	135	69	23.34	23.47	23.39	24.0	0.0
100	PI/2 BPSK	135	138	22.95	23.06	22.99	23.5	0.5
100	PI/2 BPSK	270	0	23.01	23.07	23.00		
100	QPSK	1	1	23.20	23.37	23.43	24.0	0.0
100	QPSK	1	137	23.39	23.46	23.42		
100	QPSK	1	271	23.40	23.52	23.40		
100	QPSK	135	0	22.56	22.64	22.50		
100	QPSK	135	69	23.42	23.55	23.46	24.0	0.0
100	QPSK	135	138	22.40	22.52	22.37	23.0	1.0
100	QPSK	270	0	22.48	22.60	22.56		
100	16QAM	1	1	22.73	22.79	22.64	23.0	1.0
100	64QAM	1	1	21.07	21.21	21.14	21.5	2.5
100	256QAM	1	1	18.97	19.03	18.98	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.16	23.48	23.33	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.12	23.52	23.31	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.11	23.43	23.30	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.07	23.44	23.39	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.15	23.52	23.32	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.10	23.42	23.31	24.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.12	23.53	23.40	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.11	23.52	23.39	24.0	0.0

n41 PC2 Ant0 DSI2 Simultaneous								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	26.48	26.60	26.51	27.0	0.0
100	PI/2 BPSK	1	137	26.48	26.53	26.46		
100	PI/2 BPSK	1	271	26.48	26.59	26.49		
100	PI/2 BPSK	135	0	26.56	26.61	26.49		
100	PI/2 BPSK	135	69	26.38	26.50	26.36	27.0	0.0
100	PI/2 BPSK	135	138	26.43	26.57	26.54	27.0	0.0
100	PI/2 BPSK	270	0	26.41	26.55	26.51		
100	QPSK	1	1	26.21	26.53	26.50	27.0	0.0
100	QPSK	1	137	26.42	26.56	26.49		
100	QPSK	1	271	26.49	26.56	26.43		
100	QPSK	135	0	26.10	26.14	26.07		
100	QPSK	135	69	26.53	26.57	26.52	27.0	0.0
100	QPSK	135	138	26.00	26.15	26.11	26.5	0.5
100	QPSK	270	0	26.10	26.16	26.02		
100	16QAM	1	1	26.42	26.48	26.33	26.5	0.5
100	64QAM	1	1	24.73	24.87	24.83	25.0	2.0
100	256QAM	1	1	22.50	22.57	22.45	23.0	4.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.16	26.48	26.36	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	26.11	26.50	26.36	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.06	26.50	26.35	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	26.15	26.57	26.38	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.09	26.57	26.37	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	26.06	26.51	26.41	27.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.09	26.54	26.39	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.13	26.57	26.36	27.0	0.0



n2 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Max Ch. 1 (mW)	Power High Ch. 1 (mW)	Power Low Ch. 2 (mW)	Power Max Ch. 2 (mW)	Power High Ch. 2 (mW)
Channel									
Frequency (MHz)									
20	PL2-BPSK	1	1	14.35	14.33	14.35			
20	PL2-BPSK	1	53	14.37	14.33	14.37			
20	PL2-BPSK	1	55	14.37	14.44	14.38			
20	PL2-BPSK	50	0	14.38	14.34	14.38			
20	PL2-BPSK	50	20	14.37	14.43	14.36			
20	PL2-BPSK	50	56	14.48	14.37	14.36			
20	PL2-BPSK	100	0	14.35	14.40	14.37			
20	QPSK	1	1	14.35	14.35	14.35			
20	QPSK	1	53	14.40	14.34	14.41			
20	QPSK	1	54	14.35	14.48	14.33			
20	QPSK	50	0	14.37	14.39	14.42			
20	QPSK	50	40	14.46	14.46	14.44			
20	QPSK	50	56	14.46	14.38	14.38			
20	QPSK	100	0	14.40	14.47	14.37			
20	MSK4M	1	1	14.42	14.36	14.37			
20	MSK4M	1	1	14.38	14.42	14.37			
20	MSK4M	1	1	14.32	14.35	14.35			
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.35	14.48	14.35			
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.40	14.49	14.36			
Channel									
Frequency (MHz)									
5	QPSK	1	1	14.35	14.47	14.44			

n5 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Max Ch. 1 (mW)	Power High Ch. 1 (mW)	Power Low Ch. 2 (mW)	Power Max Ch. 2 (mW)	Power High Ch. 2 (mW)
Channel									
Frequency (MHz)									
20	PL2-BPSK	1	1	21.14	21.21	21.21			
20	PL2-BPSK	1	53	21.16	21.21	20.84			
20	PL2-BPSK	1	104	21.14	21.28	21.18			
20	PL2-BPSK	50	0	20.97	21.24	20.84			
20	PL2-BPSK	50	20	21.20	21.16	21.09			
20	PL2-BPSK	50	56	20.89	21.18	20.78			
20	PL2-BPSK	100	0	21.20	21.08	21.11			
20	QPSK	1	1	21.30	21.30	21.30			
20	QPSK	1	53	21.31	21.19	21.55			
20	QPSK	1	104	21.17	21.31	21.18			
20	QPSK	50	0	21.12	21.31	20.99			
20	QPSK	50	20	21.24	21.20	21.06			
20	QPSK	50	56	21.05	21.24	20.97			
20	QPSK	100	0	21.20	21.28	21.32			
20	MSK4M	1	1	21.13	21.15	20.88			
20	MSK4M	1	1	21.02	21.31	21.08			
20	MSK4M	1	1	20.34	20.57	20.37			
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.04	21.22	20.87			
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.02	21.07	20.96			
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.07	21.08	20.87			

n7 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Max Ch. 1 (mW)	Power High Ch. 1 (mW)	Power Low Ch. 2 (mW)	Power Max Ch. 2 (mW)	Power High Ch. 2 (mW)
Channel									
Frequency (MHz)									
40	PL2-BPSK	1	1	14.59	14.55	14.64			
40	PL2-BPSK	1	108	14.27	14.73	14.67			
40	PL2-BPSK	1	214	14.53	14.53	14.59			
40	PL2-BPSK	108	0	14.53	14.86	14.52			
40	PL2-BPSK	108	54	14.63	14.76	14.69			
40	PL2-BPSK	108	108	14.35	14.59	14.35			
40	PL2-BPSK	216	0	14.59	14.81	14.41			
40	QPSK	1	1	14.27	13.95	14.35			
40	QPSK	1	108	14.46	14.82	14.27			
40	QPSK	1	214	14.55	14.72	14.67			
40	QPSK	108	0	14.52	14.84	14.49			
40	QPSK	108	54	14.59	14.65	14.69			
40	QPSK	108	108	14.50	14.87	14.55			
40	QPSK	216	0	14.40	14.73	14.61			
40	MSK4M	1	1	14.43	14.61	14.56			
40	MSK4M	1	1	14.51	14.58	14.53			
40	MSK4M	1	1	14.39	14.65	14.35			
Channel									
Frequency (MHz)									
30	PL2-BPSK	1	1	14.42	14.34	14.74			
Channel									
Frequency (MHz)									
25	PL2-BPSK	1	1	14.50	14.78	14.69			
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.50	14.75	14.75			
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.41	14.90	14.73			
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.55	14.81	14.59			
Channel									
Frequency (MHz)									
5	QPSK	1	1	14.42	14.81	14.77			

n66 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Max Ch. 1 (mW)	Power High Ch. 1 (mW)	Power Low Ch. 2 (mW)	Power Max Ch. 2 (mW)	Power High Ch. 2 (mW)
Channel									
Frequency (MHz)									
40	PL2-BPSK	1	1	16.45	16.45	16.38			
40	PL2-BPSK	1	108	16.24	16.43	16.39			
40	PL2-BPSK	1	214	16.23	16.42	16.27			
40	PL2-BPSK	108	0	16.35	16.40	16.39			
40	PL2-BPSK	108	54	16.16	16.51	16.28			
40	PL2-BPSK	108	108	16.04	16.32	16.18			
40	PL2-BPSK	216	0	16.39	16.35	16.30			
40	QPSK	1	1	16.48	16.55	16.54			
40	QPSK	1	108	16.31	16.82	16.53			
40	QPSK	1	214	16.40	16.52	16.39			
40	QPSK	108	0	16.17	16.59	16.38			
40	QPSK	108	54	16.46	16.56	16.55			
40	QPSK	108	108	16.22	16.42	16.36			
40	QPSK	216	0	16.46	16.51	16.52			
40	MSK4M	1	1	16.25	16.49	16.27			
40	MSK4M	1	1	16.34	16.50	16.19			
40	MSK4M	1	1	16.04	16.55	16.12			
Channel									
Frequency (MHz)									
30	PL2-BPSK	1	1	16.38	16.50	16.45			
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.17	16.38	16.33			
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.23	16.51	16.51			
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.23	16.52	16.45			
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.30	16.53	16.53			

n41 PC2&PC3 Ant1 DSI2 Simultaneous								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000	15.9	0.0
Frequency (MHz)				2541.01	2592.99	2644.98		
100	PI/2 BPSK	1	1	14.84	14.77	14.69	15.9	0.0
100	PI/2 BPSK	1	137	14.57	14.74	14.67		
100	PI/2 BPSK	1	271	14.55	14.68	14.64	15.9	0.0
100	PI/2 BPSK	135	0	14.46	14.48	14.59		
100	PI/2 BPSK	135	69	14.56	14.81	14.57	15.9	0.0
100	PI/2 BPSK	135	138	14.42	14.56	14.51		
100	PI/2 BPSK	270	0	14.53	14.79	14.42	15.9	0.0
100	QPSK	1	1	14.73	14.85	14.80		
100	QPSK	1	137	14.58	14.83	14.72	15.9	0.0
100	QPSK	1	271	14.52	14.73	14.76		
100	QPSK	135	0	14.56	14.68	14.60	15.9	0.0
100	QPSK	135	69	14.55	14.84	14.74		
100	QPSK	135	138	14.53	14.76	14.69	15.9	0.0
100	QPSK	270	0	14.41	14.55	14.54		
100	16QAM	1	1	14.43	14.76	14.60	15.9	0.0
100	64QAM	1	1	14.57	14.63	14.56		
100	256QAM	1	1	14.60	14.71	14.57	15.9	0.0
Channel				508200	518598	528596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.03	14.13	14.21	15.9	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	14.02	14.19	14.09	15.9	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	14.04	14.14	14.08	15.9	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.01	14.16	14.05	15.9	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.03	14.06	14.05	15.9	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.02	14.15	14.07	15.9	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	13.92	14.18	14.08	15.9	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.05	14.17	14.02	15.9	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3840	3930.01		
Frequency (MHz)				19.05	19.06	19.94		
100	PI/2 BPSK	1	1	18.83	19.00	18.90	20.1	0.0
100	PI/2 BPSK	1	137	18.88	19.19	18.95		
100	PI/2 BPSK	135	0	18.74	18.87	18.70	20.1	0.0
100	PI/2 BPSK	135	69	19.00	19.09	18.71	20.1	0.0
100	PI/2 BPSK	135	138	18.98	19.08	18.87	20.1	0.0
100	PI/2 BPSK	270	0	18.72	18.00	18.78		
100	QPSK	1	1	19.07	19.25	18.96		
100	QPSK	1	137	18.92	19.09	18.92	20.1	0.0
100	QPSK	1	271	18.94	19.20	18.97		
100	QPSK	135	0	18.88	19.08	18.85	19.1	1.0
100	QPSK	135	69	19.08	19.25	18.89	20.1	0.0
100	QPSK	135	138	19.06	19.18	18.86	19.1	1.0
100	QPSK	270	0	18.89	18.13	18.87		
100	16QAM	1	1	18.90	19.24	18.94	20.1	0.0
100	64QAM	1	1	18.87	19.26	18.82	20.1	0.0
100	256QAM	1	1	18.96	19.01	18.80	20.1	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	18.93	19.04	18.77	20.1	0.0
Channel				648334	656000	662068	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	18.88	19.05	18.83	20.1	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	18.90	19.00	18.86	20.1	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3723.02	3840	3920.01	(dBm)	(dB)
60	QPSK	1	1	18.97	19.03	18.85	20.1	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	18.86	19.02	18.85	20.1	0.0
Channel				649000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	18.86	19.05	18.77	20.1	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	18.87	19.03	18.80	20.1	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	18.96	19.04	18.70	20.1	0.0
Channel				647168	656000	664934	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	18.91	18.99	18.72	20.1	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	18.97	19.15	18.68	20.1	0.0

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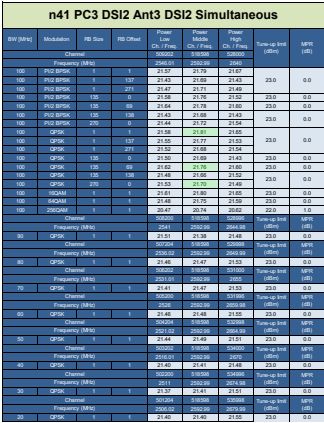
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3650.01			
100	PI/2 BPSK	1	1		19.19		20.1	0.0
100	PI/2 BPSK	1	137		18.86			
100	PI/2 BPSK	1	271		19.10			
100	PI/2 BPSK	135	0		19.05		20.1	0.0
100	PI/2 BPSK	135	69		19.27		20.1	0.0
100	PI/2 BPSK	135	138		19.10		20.1	0.0
100	PI/2 BPSK	270	0		18.83			
100	QPSK	1	1		19.31			
100	QPSK	1	137		19.08		20.1	0.0
100	QPSK	1	271		19.30			
100	QPSK	135	0		19.09		20.1	0.0
100	QPSK	135	69		19.28		20.1	0.0
100	QPSK	135	138		19.08		20.1	0.0
100	QPSK	270	0		18.96			
100	16QAM	1	1		19.26		20.1	0.0
100	64QAM	1	1		19.22		20.1	0.0
100	256QAM	1	1		19.20		20.1	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	18.97	19.23	18.72	20.1	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.16	19.21	18.90	20.1	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.13	19.22	18.81	20.1	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	18.99	19.15	18.76	20.1	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.17	19.32	18.89	20.1	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	18.97	19.28	18.83	20.1	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	18.96	19.27	18.77	20.1	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.10	19.18	18.78	20.1	0.0
Channel				630590	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	19.03	19.12	18.79	20.1	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	19.07	19.10	18.79	20.1	0.0

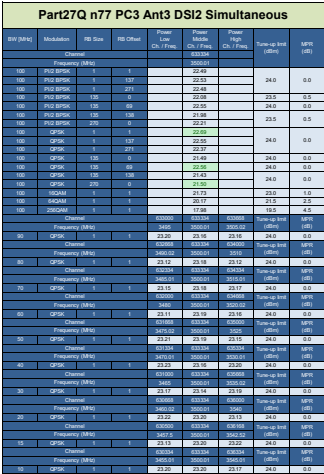
Part270 n78 PC3&PC2 Ant2 DSI2 Simultaneous

BW [MHz]	Modulation	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		19.01		20.1	0.0
100	PI/2 BPSK	1	137		18.89			
100	PI/2 BPSK	1	271		19.09			
100	PI/2 BPSK	135	0		18.76		20.1	0.0
100	PI/2 BPSK	135	69		18.96		20.1	0.0
100	PI/2 BPSK	135	138		19.04		20.1	0.0
100	PI/2 BPSK	270	0		18.96			
100	QPSK	1	1		19.27			
100	QPSK	1	137		18.94		20.1	0.0
100	QPSK	1	271		19.14			
100	QPSK	135	0		18.97		20.1	0.0
100	QPSK	135	69		19.08		20.1	0.0
100	QPSK	135	138		19.04		20.1	0.0
100	QPSK	270	0		19.09			
100	16QAM	1	1		19.22		20.1	0.0
100	64QAM	1	1		19.08		20.1	0.0
100	256QAM	1	1		19.02		20.1	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1		18.79	19.05	18.83	20.1 0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1		18.84	18.98	18.68	20.1 0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1		18.82	19.16	18.77	20.1 0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3732.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1		18.76	19.05	18.78	20.1 0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1		18.88	18.96	18.83	20.1 0.0
Channel				649000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1		18.88	18.85	18.87	20.1 0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1		18.70	19.14	18.69	20.1 0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1		18.70	18.98	18.72	20.1 0.0
Channel				647168	650000	652934	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1		18.78	19.06	18.69	20.1 0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1		18.77	19.11	18.85	20.1 0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1		19.16		20.1	0.0
100	PI/2 BPSK	1	137		18.68			
100	PI/2 BPSK	1	271		18.99			
100	PI/2 BPSK	135	0		18.99		20.1	0.0
100	PI/2 BPSK	135	69		19.21		20.1	0.0
100	PI/2 BPSK	135	138		19.07		20.1	0.0
100	PI/2 BPSK	270	0		18.62			
100	QPSK	1	1		19.24			
100	QPSK	1	137		19.05		20.1	0.0
100	QPSK	1	271		19.17			
100	QPSK	135	0		19.09		20.1	0.0
100	QPSK	135	69		19.10		20.1	0.0
100	QPSK	135	138		18.86		20.1	0.0
100	QPSK	270	0		19.01			
100	16QAM	1	1		19.21		20.1	0.0
100	64QAM	1	1		19.15		20.1	0.0
100	256QAM	1	1		19.17		20.1	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1		18.65	18.76	18.70	20.1 0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1		18.75	18.81	18.63	20.1 0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1		18.70	18.79	18.74	20.1 0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1		18.73	18.79	18.65	20.1 0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1		18.65	18.82	18.70	20.1 0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1		18.67	18.72	18.73	20.1 0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1		18.70	18.84	18.72	20.1 0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1		18.63	18.85	18.74	20.1 0.0
Channel				630900	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1		18.69	18.83	18.69	20.1 0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1		18.75	18.76	18.71	20.1 0.0

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Part270 n78 PCn2 AN3 DS12 Simultaneous									
Size (MHz)	Resolution	Channel	RB Offset	Low Noise	Max. Rate	Peak Freq	Power Spectral Density	Transmit and Receive	Modulation
		Channel		1000	1000	1000	1000		
100	FSK BPSK	FSK BPSK	1	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	2	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	3	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	4	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	5	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	6	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	7	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	8	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	9	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	10	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	11	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	12	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	13	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	14	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	15	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	16	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	17	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	18	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	19	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	20	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	21	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	22	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	23	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	24	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	25	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	26	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	27	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	28	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	29	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	30	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	31	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	32	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	33	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	34	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	35	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	36	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	37	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	38	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	39	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	40	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	41	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	42	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	43	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	44	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	45	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	46	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	47	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	48	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	49	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	50	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	51	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	52	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	53	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	54	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	55	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	56	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	57	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	58	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	59	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	60	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	61	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	62	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	63	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	64	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	65	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	66	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	67	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	68	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	69	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	70	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	71	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	72	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	73	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	74	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	75	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	76	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	77	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	78	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	79	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	80	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	81	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	82	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	83	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	84	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	85	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	86	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	87	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	88	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	89	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	90	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	91	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	92	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	93	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	94	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	95	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	96	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	97	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	98	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	99	25.77	25.77	25.77	25.77	27.0	0.0
100	FSK BPSK	FSK BPSK	100	25.77	25.77	25.77	25.77	27.0	0.0

Part27Q n78 PC3 Ant3 DS12 Simultaneous							
ENV (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 (FdB)	Power Level Ch. 2 (FdB)	Power Level Ch. 3 (FdB)	Time-up time (min)
Channel							
Frequency (MHz)							
100	PI2-BPSK	1	1	23.00			
100	PI2-BPSK	1	137	23.00		24.0	0.0
100	PI2-BPSK	1	271	23.00			
100	PI2-BPSK	106	0	23.00		23.5	0.0
100	PI2-BPSK	106	86	23.00		24.0	0.0
100	PI2-BPSK	106	138	23.00			
100	PI2-BPSK	270	0	23.00		23.5	0.0
100	QPSK	1	1	23.00			
100	QPSK	1	137	23.00		24.0	0.0
100	QPSK	106	0	23.00			
100	QPSK	106	86	23.00		24.0	0.0
100	QPSK	106	138	23.00			
100	QPSK	270	0	23.00		23.5	0.0
100	16QAM	1	1	23.00		23.0	1.0
100	16QAM	1	1	23.00		23.5	2.0
100	256QAM	1	1	19.00		19.0	4.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	22.00	22.00	24.00	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.00	22.00	23.00	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.00	22.00	23.00	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.00	22.00	23.00	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.00	22.00	23.00	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.00	22.00	23.00	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.00	22.00	23.00	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.00	22.00	23.00	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.00	22.00	23.00	0.0
Channel							
Frequency (MHz)							
0	QPSK	1	1	22.00	22.00	23.00	0.0

Part27Q n78 PC2 Ant3 DS12 Simultaneous							
ENV (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 (FdB)	Power Level Ch. 2 (FdB)	Power Level Ch. 3 (FdB)	Time-up time (min)
Channel							
Frequency (MHz)							
100	PI2-BPSK	1	1	20.00			
100	PI2-BPSK	1	137	20.00			
100	PI2-BPSK	1	271	20.00			
100	PI2-BPSK	106	0	20.00		20.5	0.0
100	PI2-BPSK	106	86	20.00		20.5	0.0
100	PI2-BPSK	106	138	20.00			
100	PI2-BPSK	270	0	20.00		20.5	0.0
100	QPSK	1	1	20.00			
100	QPSK	1	137	20.00			
100	QPSK	106	0	20.00			
100	QPSK	106	86	20.00			
100	QPSK	106	138	20.00			
100	QPSK	270	0	20.00			
100	16QAM	1	1	16.00		16.0	0.0
100	256QAM	1	1	12.00		12.0	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	19.00	19.00	20.00	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	19.00	19.00	20.00	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	19.00	19.00	20.00	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	19.00	19.00	20.00	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	19.00	19.00	20.00	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	19.00	19.00	20.00	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.00	19.00	20.00	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.00	19.00	20.00	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.00	19.00	20.00	0.0
Channel							
Frequency (MHz)							
0	QPSK	1	1	19.00	19.00	20.00	0.0

n41 PC2&PC3 Ant4 DSI2 Simultaneous								
BW [MHz]	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	16.1	0.0
Frequency (MHz)				2546.01	2592.99	2644		
100	PI/2 BPSK	1	1	15.40	15.59	15.45	16.1	0.0
100	PI/2 BPSK	1	137	15.22	15.49	15.23		
100	PI/2 BPSK	1	271	15.47	15.31	15.26	16.1	0.0
100	PI/2 BPSK	135	0	15.32	15.25	15.36		
100	PI/2 BPSK	135	69	15.41	15.39	15.32	16.1	0.0
100	PI/2 BPSK	135	138	15.48	15.29	15.34		
100	PI/2 BPSK	270	0	15.08	15.23	15.13	16.1	0.0
100	QPSK	1	1	15.57	15.68	15.40		
100	QPSK	1	137	15.41	15.50	15.32	16.1	0.0
100	QPSK	1	271	15.46	15.51	15.41		
100	QPSK	135	0	15.48	15.33	15.40	16.1	0.0
100	QPSK	135	69	15.48	15.52	15.39		
100	QPSK	135	138	15.49	15.30	15.40	16.1	0.0
100	QPSK	270	0	15.15	15.23	15.11		
100	16QAM	1	1	15.30	15.34	15.21	16.1	0.0
100	64QAM	1	1	15.42	15.32	15.31		
100	256QAM	1	1	15.32	15.19	15.30	16.1	0.0
Channel				508200	518598	528596	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	15.35	15.40	15.38	16.1	0.0
Channel				507204	518598	529996	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	15.30	15.45	15.35	16.1	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	15.30	15.40	15.30	16.1	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	15.29	15.41	15.23	16.1	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	15.38	15.55	15.19	16.1	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	15.42	15.38	15.40	16.1	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	15.29	15.40	15.24	16.1	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	15.27	15.59	15.18	16.1	0.0

Par270 n77 PC3&PC2 Ant5 DSI2 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3752	3840	3930.01		
Frequency (MHz)				15.27	15.37	15.27		
100	PI/2 BPSK	1	1	15.27	15.37	15.27		
100	PI/2 BPSK	1	137	15.29	15.23	15.03	16.6	0.0
100	PI/2 BPSK	1	271	15.14	15.34	15.00		
100	PI/2 BPSK	135	0	15.33	15.31	15.24	16.6	0.0
100	PI/2 BPSK	135	69	15.29	15.27	14.88	16.6	0.0
100	PI/2 BPSK	135	138	15.16	15.23	14.96	16.6	0.0
100	PI/2 BPSK	270	0	15.15	15.25	14.96		
100	QPSK	1	1	15.38	15.45	15.32		
100	QPSK	1	137	15.38	15.27	15.23	16.6	0.0
100	QPSK	1	271	15.31	15.35	15.14		
100	QPSK	135	0	15.40	15.35	15.23	16.6	0.0
100	QPSK	135	69	15.39	15.42	15.10	16.6	0.0
100	QPSK	135	138	15.19	15.32	14.97	16.6	0.0
100	QPSK	270	0	15.28	15.37	14.96		
100	16QAM	1	1	15.29	15.29	15.19	16.6	0.0
100	64QAM	1	1	15.16	15.17	15.05	16.6	0.0
100	256QAM	1	1	15.28	15.30	15.06	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	15.24	15.21	15.01	16.6	0.0
Channel				648334	656000	662068	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.27	15.14	15.21	16.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.16	15.31	15.09	16.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3723.02	3840	3950.01		
60	QPSK	1	1	15.13	15.23	15.15	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	15.23	15.37	15.24	16.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.16	15.35	15.11	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	15.21	15.24	15.13	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	15.08	15.17	15.01	16.6	0.0
Channel				647168	656000	664934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.10	15.23	15.06	16.6	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.06	15.31	15.05	16.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3495	3500.01	3505.02		
Frequency (MHz)				15.64	15.64	15.64		
100	PI/2 BPSK	1	1	15.64	15.64	15.64		
100	PI/2 BPSK	1	137	15.47	15.47	15.47	16.6	0.0
100	PI/2 BPSK	1	271	15.61	15.61	15.61		
100	PI/2 BPSK	135	0	15.58	15.58	15.58	16.6	0.0
100	PI/2 BPSK	135	69	15.78	15.78	15.78	16.6	0.0
100	PI/2 BPSK	135	138	15.64	15.64	15.64	16.6	0.0
100	PI/2 BPSK	270	0	15.67	15.67	15.67		
100	QPSK	1	1	15.82	15.82	15.82		
100	QPSK	1	137	15.61	15.61	15.61	16.6	0.0
100	QPSK	1	271	15.70	15.70	15.70		
100	QPSK	135	0	15.57	15.57	15.57	16.6	0.0
100	QPSK	135	69	15.78	15.78	15.78	16.6	0.0
100	QPSK	135	138	15.75	15.75	15.75	16.6	0.0
100	QPSK	270	0	15.75	15.75	15.75		
100	16QAM	1	1	15.42	15.42	15.42	16.6	0.0
100	64QAM	1	1	15.51	15.51	15.51	16.6	0.0
100	256QAM	1	1	15.44	15.44	15.44	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	15.59	15.53	15.56	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	15.59	15.66	15.52	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	15.57	15.58	15.58	16.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3520.02		
60	QPSK	1	1	15.55	15.67	15.64	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	15.47	15.67	15.57	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	15.40	15.68	15.41	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	15.49	15.70	15.51	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	15.49	15.71	15.47	16.6	0.0
Channel				630590	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.53	15.65	15.61	16.6	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.53	15.60	15.52	16.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	15.35				
100	PI/2 BPSK	1	137	15.04			16.6	0.0
100	PI/2 BPSK	1	271	15.14				
100	PI/2 BPSK	135	0	15.29			16.6	0.0
100	PI/2 BPSK	135	69	15.19			16.6	0.0
100	PI/2 BPSK	135	138	15.07			16.6	0.0
100	PI/2 BPSK	270	0	15.16				
100	QPSK	1	1	15.40				
100	QPSK	1	137	15.14			16.6	0.0
100	QPSK	1	271	15.27				
100	QPSK	135	0	15.16			16.6	0.0
100	QPSK	135	69	15.39			16.6	0.0
100	QPSK	135	138	15.23			16.6	0.0
100	QPSK	270	0	15.28				
100	16QAM	1	1	15.08			16.6	0.0
100	64QAM	1	1	15.02			16.6	0.0
100	256QAM	1	1	15.10			16.6	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	15.21	15.15	15.28	16.6	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	15.05	15.11	15.13	16.6	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.08	15.33	15.29	16.6	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3732.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	15.06	15.13	15.32	16.6	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	15.25	15.15	15.21	16.6	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.21	15.10	15.34	16.6	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	15.05	15.20	15.21	16.6	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	15.22	15.15	15.23	16.6	0.0
Channel				647168	650000	652934	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	15.19	15.23	15.34	16.6	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	15.09	15.11	15.35	16.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	15.53				
100	PI/2 BPSK	1	137	15.31			16.6	0.0
100	PI/2 BPSK	1	271	15.53				
100	PI/2 BPSK	135	0	15.57			16.6	0.0
100	PI/2 BPSK	135	69	15.60			16.6	0.0
100	PI/2 BPSK	135	138	15.65			16.6	0.0
100	PI/2 BPSK	270	0	15.61				
100	QPSK	1	1	15.75				
100	QPSK	1	137	15.40			16.6	0.0
100	QPSK	1	271	15.69				
100	QPSK	135	0	15.58			16.6	0.0
100	QPSK	135	69	15.70			16.6	0.0
100	QPSK	135	138	15.65			16.6	0.0
100	QPSK	270	0	15.62				
100	16QAM	1	1	15.39			16.6	0.0
100	64QAM	1	1	15.45			16.6	0.0
100	256QAM	1	1	15.43			16.6	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.48	15.51	15.56	16.6	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	15.35	15.68	15.50	16.6	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.49	15.53	15.47	16.6	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.43	15.59	15.44	16.6	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	15.47	15.48	15.48	16.6	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	15.53	15.57	15.59	16.6	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	15.42	15.51	15.48	16.6	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.45	15.51	15.61	16.6	0.0
Channel				630590	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	15.42	15.60	15.49	16.6	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	15.47	15.61	15.42	16.6	0.0



Par270 n77 PC3 Ant7 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PLP BPSK	1	1	22.21	22.31	22.32			
100	PLP BPSK	1	137	22.12	22.44	22.37	24.0	0.0	
100	PLP BPSK	1	271	22.05	22.34	22.19			
100	PLP BPSK	136	0	21.78	22.15	21.84	23.0	0.5	
100	PLP BPSK	136	86	22.22	22.28	22.48	26.0	0.0	
100	PLP BPSK	136	136	21.84	22.12	21.81	23.0	0.5	
100	PLP BPSK	270	0	21.91	22.08	21.97			
100	QPSK	1	1	22.35	22.05	22.32			
100	QPSK	1	137	22.20	22.38	22.48			
100	QPSK	1	271	22.05	22.34	22.33			
100	QPSK	136	0	21.10	21.49	21.44	23.0	1.0	
100	QPSK	136	86	22.10	22.56	22.42	24.0	0.0	
100	QPSK	136	136	21.11	21.39	21.42	23.0	1.0	
100	QPSK	270	0	21.23	21.54	21.28			
100	MSKAM	1	1	21.26	21.47	21.32	23.0	1.0	
100	MSKAM	1	1	19.10	20.05	20.01	21.0	2.5	
100	MSKAM	1	1	17.65	18.00	17.62	19.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.25	22.31	22.37	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.20	22.34	22.47	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.21	22.41	22.45	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.24	22.31	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.27	22.31	22.35	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.27	22.33	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.24	22.28	22.30	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.31	22.34	22.37	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.33	22.38	22.47	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.27	22.80	22.48	24.0	0.0	

Par270 n77 PC2 Ant7 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PLP BPSK	1	1	25.34	25.49	25.31			
100	PLP BPSK	1	137	25.38	25.87	25.52	27.0	0.0	
100	PLP BPSK	1	271	25.32	25.14	25.33			
100	PLP BPSK	136	0	25.40	25.55	25.47	26.0	0.5	
100	PLP BPSK	136	86	25.42	25.71	25.69	27.0	0.0	
100	PLP BPSK	136	136	25.39	25.52	25.43	26.0	0.5	
100	PLP BPSK	270	0	25.38	25.68	25.45			
100	QPSK	1	1	25.35	25.12	25.85			
100	QPSK	1	137	25.45	25.83	25.43	27.0	0.0	
100	QPSK	1	271	25.31	25.43	25.35			
100	QPSK	136	0	25.39	25.24	25.09	26.0	1.0	
100	QPSK	136	86	25.44	25.60	25.50	27.0	0.0	
100	QPSK	136	136	25.24	25.29	25.15	26.0	1.0	
100	QPSK	270	0	25.23	25.38	25.31			
100	MSKAM	1	1	25.13	25.18	25.13	26.0	1.0	
100	MSKAM	1	1	23.22	23.83	23.71	24.0	2.5	
100	MSKAM	1	1	22.08	22.88	22.94	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.32	25.83	25.40	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.40	25.58	25.50	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.46	25.69	25.50	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.38	25.58	25.64	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.49	25.87	25.58	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.48	25.59	25.65	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.38	25.58	25.61	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.42	25.56	25.57	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.44	25.68	25.58	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.48	25.70	25.55	27.0	0.0	

Part27Q n77 PC3 Ant7 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PLP BPSK	1	1	22.85					
100	PLP BPSK	1	137	22.78			24.0	0.0	
100	PLP BPSK	1	271	22.77					
100	PLP BPSK	136	0	22.40			23.0	0.5	
100	PLP BPSK	136	86	22.79			26.0	0.0	
100	PLP BPSK	136	136	22.38			23.0	0.5	
100	PLP BPSK	270	0	22.44					
100	QPSK	1	1	22.85					
100	QPSK	1	137	22.73			24.0	0.0	
100	QPSK	1	271	22.72					
100	QPSK	136	0	21.84			23.0	1.0	
100	QPSK	136	86	22.84			26.0	0.0	
100	QPSK	136	136	21.85			23.0	1.0	
100	QPSK	270	0	21.83					
100	MSKAM	1	1	21.78			23.0	1.0	
100	MSKAM	1	1	20.42			21.0	2.5	
100	MSKAM	1	1	18.35			19.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.83	23.334	23.008	Turn-up time	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.83	23.81	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.83	22.75	22.58	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.89	22.85	22.65	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.89	22.83	22.68	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.84	22.75	22.58	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.84	22.67	22.50	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.84	22.50	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.84	22.33	22.16	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.84	22.17	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.84	22.00	21.83	24.0	0.0	



Part270 n78 PC3 Ant7 DS12 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. dBm]	Power Main Ch. 1 [Frac. dBm]	Power High Ch. 1 [Frac. dBm]	Turn-up time (dBm)	MPS (dB)			
Channel											
Frequency (MHz)											
100	PSSBPSK	1	1	23.79	23.79	23.79					
100	PSSBPSK	1	137	23.89	23.89	23.89	24.0	0.0			
100	PSSBPSK	1	271	23.37	23.37	23.37					
100	PSSBPSK	135	0	23.28	23.28	23.28	23.5	0.5			
100	PSSBPSK	135	86	23.05	23.05	23.05	24.0	0.0			
100	PSSBPSK	135	136	23.14	23.14	23.14	23.5	0.5			
100	PSSBPSK	270	0	23.22	23.22	23.22					
100	QPSK	1	1	23.35	23.35	23.35	24.0	0.0			
100	QPSK	1	137	23.72	23.72	23.72					
100	QPSK	1	271	23.38	23.38	23.38					
100	QPSK	135	0	22.87	22.87	22.87	23.0	1.0			
100	QPSK	135	86	22.64	22.64	22.64	24.0	0.0			
100	QPSK	135	136	22.82	22.82	22.82	23.0	1.0			
100	QPSK	270	0	22.72	22.72	22.72					
100	MSKAM	1	1	22.96	22.96	22.96	23.0	1.0			
100	MSKAM	1	1	21.34	21.34	21.34	23.5	2.5			
100	MSKAM	1	1	18.26	18.26	18.26	23.0	4.5			
Channel											
Frequency (MHz)											
50	QPSK	1	1	23.71	23.78	23.73	24.5	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	23.78	23.75	23.72	24.0	0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	23.72	23.74	23.80	24.0	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	23.77	23.76	23.62	24.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	23.71	23.74	23.37	24.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	23.71	23.74	23.81	24.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	23.71	23.78	23.88	24.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	23.71	23.74	23.79	24.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.75	23.86	23.77	24.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.72	23.89	23.78	24.0	0.0			

Part270 n78 PC2 Ant7 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. dBm]	Power Main Ch. 1 [Frac. dBm]	Power High Ch. 1 [Frac. dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	23.79	23.79	23.79			
100	PSSBPSK	1	137	23.88	23.88	23.88	24.5	0.0	
100	PSSBPSK	1	271	23.33	23.33	23.33			
100	PSSBPSK	135	0	23.08	23.08	23.08	24.0	0.5	
100	PSSBPSK	135	86	22.85	22.85	22.85	24.5	0.0	
100	PSSBPSK	135	136	23.45	23.45	23.45	24.0	0.5	
100	PSSBPSK	270	0	23.71	23.71	23.71			
100	QPSK	1	1	23.22	23.22	23.22			
100	QPSK	1	137	23.84	23.84	23.84	24.5	0.0	
100	QPSK	1	271	23.38	23.38	23.38			
100	QPSK	135	0	23.07	23.07	23.07	23.5	1.0	
100	QPSK	135	86	22.84	22.84	22.84	24.5	0.0	
100	QPSK	135	136	23.38	23.38	23.38	23.5	1.0	
100	QPSK	270	0	23.41	23.41	23.41			
100	MSKAM	1	1	23.12	23.12	23.12	23.5	1.0	
100	MSKAM	1	1	23.72	23.72	23.72	24.0	2.5	
100	MSKAM	1	1	21.86	21.86	21.86	23.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.65	23.69	23.60	24.5		
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.69	23.61	23.69	24.5		
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.67	23.64	23.50	24.5		
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.70	23.66	23.60	24.5		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.59	23.61	23.64	24.5		
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.60	23.60	23.64	24.5		
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.62	23.62	23.63	24.5		
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.68	23.66	23.67	24.5		
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.69	23.68	23.64	24.5		
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.64	23.61	23.60	24.5		

Part27Q n78 PC3 Ant7 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. dBm]	Power Main Ch. 1 [Frac. dBm]	Power High Ch. 1 [Frac. dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	23.73	23.73	23.73			
100	PSSBPSK	1	137	23.88	23.88	23.88	24.0	0.0	
100	PSSBPSK	1	271	23.33	23.33	23.33			
100	PSSBPSK	135	0	23.21	23.21	23.21	23.5	0.5	
100	PSSBPSK	135	86	23.09	23.09	23.09	24.0	0.0	
100	PSSBPSK	135	136	23.28	23.28	23.28	23.5	0.5	
100	PSSBPSK	270	0	23.20	23.20	23.20			
100	QPSK	1	1	23.35	23.35	23.35	24.0	0.0	
100	QPSK	1	137	23.73	23.73	23.73			
100	QPSK	1	271	23.62	23.62	23.62			
100	QPSK	135	0	22.88	22.88	22.88	23.0	1.0	
100	QPSK	135	86	22.66	22.66	22.66	24.0	0.0	
100	QPSK	135	136	22.78	22.78	22.78	23.0	1.0	
100	QPSK	270	0	22.72	22.72	22.72			
100	MSKAM	1	1	22.70	22.70	22.70	23.0	1.0	
100	MSKAM	1	1	21.14	21.14	21.14	23.5	2.5	
100	MSKAM	1	1	18.96	18.96	18.96	23.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.76	23.75	23.77	24.0		



Reduced Power for DS12 Standalone

n2 Ant0 DS12 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mode Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
20	PI2 BPSK	1	1	23.11	23.18	23.26	24.0
20	PI2 BPSK	1	33	23.35	23.38	23.41	24.0
20	PI2 BPSK	1	104	23.15	23.15	23.18	24.0
20	PI2 BPSK	50	5	23.52	23.14	23.59	24.0
20	PI2 BPSK	50	26	23.11	23.21	23.17	24.0
20	PI2 BPSK	50	56	23.50	23.08	23.47	24.0
20	PI2 BPSK	108	0	23.13	23.18	23.14	24.0
20	QPSK	1	1	23.12	23.22	23.28	24.0
20	QPSK	1	33	23.17	23.31	23.35	24.0
20	QPSK	1	104	23.15	23.15	23.15	24.0
20	QPSK	50	5	23.13	23.20	23.59	24.0
20	QPSK	50	26	23.13	23.22	23.15	24.0
20	QPSK	50	56	23.10	23.19	23.35	24.0
20	QPSK	108	0	23.09	23.26	23.49	24.0
20	QPSK	1	1	23.05	23.13	23.07	24.0
20	SSB-QAM	1	1	21.87	22.01	21.88	22.5
20	SSB-QAM	1	1	19.75	19.87	19.77	20.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.09	23.12	23.05	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.10	23.11	23.04	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.05	23.14	23.06	24.0

n5 Ant0 DS12 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mode Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
20	PI2 BPSK	1	1	23.30	23.36	23.25	24.0
20	PI2 BPSK	1	33	23.30	23.22	23.11	24.0
20	PI2 BPSK	1	104	23.27	23.11	23.04	24.0
20	PI2 BPSK	50	5	23.21	23.36	23.35	24.0
20	PI2 BPSK	50	26	23.15	23.25	23.15	24.0
20	PI2 BPSK	50	56	23.15	23.22	23.11	24.0
20	PI2 BPSK	108	0	23.13	23.15	23.25	24.0
20	QPSK	1	1	23.40	23.42	23.30	24.0
20	QPSK	1	33	23.13	23.22	23.12	24.0
20	QPSK	1	104	23.15	23.11	23.07	24.0
20	QPSK	50	5	23.25	23.32	23.25	24.0
20	QPSK	50	26	23.24	23.30	23.33	24.0
20	QPSK	50	56	23.24	23.27	23.14	24.0
20	QPSK	108	0	23.23	23.30	23.19	24.0
20	SSB-QAM	1	1	23.23	23.41	23.32	24.0
20	SSB-QAM	1	1	22.20	22.23	22.12	22.5
20	SSB-QAM	1	1	19.97	20.11	19.97	20.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	23.29	23.34	23.20	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.29	23.29	23.10	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.24	23.27	23.21	24.0

n7 Ant0 DS12 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mode Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	23.21	23.31	23.29	24.0
40	PI2 BPSK	1	108	23.23	23.26	23.14	24.0
40	PI2 BPSK	1	214	23.09	23.21	23.15	24.0
40	PI2 BPSK	108	5	23.22	23.34	23.20	24.0
40	PI2 BPSK	108	54	23.20	23.24	23.12	24.0
40	PI2 BPSK	108	108	23.18	23.28	23.22	24.0
40	PI2 BPSK	216	0	23.20	23.13	23.28	24.0
40	QPSK	1	1	23.12	23.38	23.29	24.0
40	QPSK	1	108	23.26	23.31	23.23	24.0
40	QPSK	1	214	23.15	23.24	23.21	24.0
40	QPSK	108	5	23.27	23.17	23.14	24.0
40	QPSK	108	54	23.21	23.27	23.20	24.0
40	QPSK	108	108	23.11	23.22	23.10	24.0
40	QPSK	216	0	23.18	23.05	23.14	24.0
40	SSB-QAM	1	1	23.24	23.32	23.15	24.0
40	SSB-QAM	1	1	21.19	21.83	21.24	22.5
40	SSB-QAM	1	1	19.26	19.82	19.55	20.5
Channel							
Frequency (MHz)							
30	PI2 BPSK	1	1	23.09	23.32	23.29	24.0
Channel							
Frequency (MHz)							
25	PI2 BPSK	1	1	23.09	23.27	23.15	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.10	23.13	23.09	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	23.10	23.13	23.12	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.05	23.05	23.05	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.02	23.24	23.12	24.0

n66 Ant0 DS12 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mode Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	23.01	23.15	23.08	24.0
40	PI2 BPSK	1	108	22.99	23.11	23.09	24.0
40	PI2 BPSK	1	214	22.98	23.15	23.08	24.0
40	PI2 BPSK	108	5	23.02	23.14	23.08	24.0
40	PI2 BPSK	108	54	23.01	23.05	23.06	24.0
40	PI2 BPSK	108	108	23.04	23.10	23.09	24.0
40	PI2 BPSK	216	0	23.00	23.14	23.09	24.0
40	QPSK	1	1	23.12	23.17	23.08	24.0
40	QPSK	1	108	23.08	23.05	23.02	24.0
40	QPSK	1	214	22.98	23.05	23.02	24.0
40	QPSK	108	5	22.94	23.08	23.02	24.0
40	QPSK	108	54	23.01	23.15	23.02	24.0
40	QPSK	108	108	23.00	23.07	23.00	24.0
40	QPSK	216	0	22.11	23.02	23.00	24.0
40	SSB-QAM	1	1	22.93	23.26	23.00	24.0
40	SSB-QAM	1	1	21.80	21.86	21.51	22.5
40	SSB-QAM	1	1	19.77	19.85	19.80	20.5
Channel							
Frequency (MHz)							
30	PI2 BPSK	1	1	22.99	23.05	23.02	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.07	23.14	23.01	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	23.06	23.11	23.01	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.05	23.06	23.00	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.02	23.08	23.00	24.0

n41 PC3 Ant0 DSI2 Standalone								
BW [MHz]	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	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.44	23.49	23.37	24.0	0.0
100	PI/2 BPSK	1	137	23.44	23.52	23.40		
100	PI/2 BPSK	1	271	23.43	23.54	23.50		
100	PI/2 BPSK	135	0	22.92	23.02	22.92		
100	PI/2 BPSK	135	69	23.34	23.47	23.39	24.0	0.0
100	PI/2 BPSK	135	138	22.95	23.06	22.99	23.5	0.5
100	PI/2 BPSK	270	0	23.01	23.07	23.00		
100	QPSK	1	1	23.20	23.37	23.43	24.0	0.0
100	QPSK	1	137	23.38	23.46	23.42		
100	QPSK	1	271	23.40	23.52	23.40		
100	QPSK	135	0	22.56	22.64	22.50		
100	QPSK	135	69	23.42	23.55	23.46	24.0	0.0
100	QPSK	135	138	22.40	22.52	22.37	23.0	1.0
100	QPSK	270	0	22.48	22.60	22.56		
100	16QAM	1	1	22.73	22.79	22.64	23.0	1.0
100	64QAM	1	1	21.07	21.21	21.14	21.5	2.5
100	256QAM	1	1	18.97	19.03	18.98	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.16	23.48	23.33	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.12	23.52	23.31	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.11	23.43	23.30	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.07	23.44	23.39	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.15	23.52	23.32	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.10	23.42	23.31	24.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.12	23.53	23.40	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.11	23.52	23.39	24.0	0.0

n41 PC2 Ant0 DSI2 Standalone								
BW [MHz]	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	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	26.45	26.60	26.51	27.0	0.0
100	PI/2 BPSK	1	137	26.48	26.53	26.46		
100	PI/2 BPSK	1	271	26.48	26.59	26.53		
100	PI/2 BPSK	135	0	26.56	26.61	26.49		
100	PI/2 BPSK	135	69	26.38	26.50	26.36	27.0	0.0
100	PI/2 BPSK	135	138	26.43	26.57	26.54	27.0	0.0
100	PI/2 BPSK	270	0	26.41	26.55	26.51		
100	QPSK	1	1	26.21	26.53	26.50	27.0	0.0
100	QPSK	1	137	26.42	26.56	26.49		
100	QPSK	1	271	26.49	26.56	26.43		
100	QPSK	135	0	26.10	26.14	26.07		
100	QPSK	135	69	26.53	26.57	26.52	27.0	0.0
100	QPSK	135	138	26.00	26.15	26.11	26.5	0.5
100	QPSK	270	0	26.10	26.16	26.02		
100	16QAM	1	1	26.42	26.48	26.33	26.5	0.5
100	64QAM	1	1	24.73	24.87	24.83	25.0	2.0
100	256QAM	1	1	22.50	22.57	22.45	23.0	4.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.16	26.48	26.36	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	26.11	26.50	26.36	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.06	26.50	26.35	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	26.15	26.57	26.38	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.09	26.57	26.37	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	26.06	26.51	26.41	27.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.09	26.54	26.39	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.13	26.57	26.36	27.0	0.0



n2 Ant1 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Max Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1	15.07	15.30	15.37		0.0	
20	P12-BPSK	1	53	14.87	15.04	15.38	16.3	0.0	
20	P12-BPSK	1	104	15.09	15.24	15.21	16.3	0.0	
20	P12-BPSK	50	0	14.99	15.17	15.13	16.3	0.0	
20	P12-BPSK	50	50	15.09	15.29	15.29	16.3	0.0	
20	P12-BPSK	50	56	14.97	15.09	15.29	16.3	0.0	
20	P12-BPSK	100	0	14.96	15.15	15.13	16.3	0.0	
20	QPSK	1	1	15.21	15.33	15.35		0.0	
20	QPSK	1	53	15.04	15.20	15.15	16.3	0.0	
20	QPSK	1	104	15.15	15.26	15.20	16.3	0.0	
20	QPSK	50	0	15.02	15.23	15.18	16.3	0.0	
20	QPSK	50	50	15.15	15.27	15.26	16.3	0.0	
20	QPSK	50	56	15.05	15.22	15.29	16.3	0.0	
20	QPSK	100	0	15.07	15.21	15.19	16.3	0.0	
20	84QAM	1	1	15.00	15.30	15.34	16.3	0.0	
20	84QAM	1	1	15.12	15.14	15.16	16.3	0.0	
20	84QAM	1	1	14.94	15.11	15.15	16.3	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.05	15.14	15.05	16.3	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.01	15.30	15.07	16.3	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	15.02	15.03	15.09	16.3	0.0	

n5 Ant1 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Max Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1	22.50	22.65	22.64		0.0	
20	P12-BPSK	1	53	22.28	22.43	22.38	24.0	0.0	
20	P12-BPSK	1	104	22.32	22.44	22.31		0.0	
20	P12-BPSK	50	0	22.53	22.66	22.62	24.0	0.0	
20	P12-BPSK	50	50	22.49	22.64	22.61	24.0	0.0	
20	P12-BPSK	50	56	22.49	22.41	22.42	24.0	0.0	
20	P12-BPSK	100	0	22.37	22.32	22.48		0.0	
20	QPSK	1	1	22.33	22.17	22.65		0.0	
20	QPSK	1	53	22.31	22.37	22.31	24.0	0.0	
20	QPSK	1	104	22.35	22.33	22.22		0.0	
20	QPSK	50	0	22.48	22.37	22.47	24.0	0.0	
20	QPSK	50	50	22.43	22.66	22.54	24.0	0.0	
20	QPSK	50	56	22.45	22.51	22.35	24.0	0.0	
20	QPSK	100	0	22.52	22.63	22.45		0.0	
20	16QAM	1	1	22.43	22.61	22.40	24.0	0.0	
20	16QAM	1	1	22.50	22.32	22.35	22.5	1.5	
20	16QAM	1	1	19.14	19.86	19.79	20.5	3.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.51	22.55	22.41	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.49	22.32	22.46	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.46	22.36	22.38	24.0	0.0	

n7 Ant1 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Max Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1	16.03	16.17	16.01		0.0	
40	P12-BPSK	1	108	15.97	16.07	15.87	17.5	0.0	
40	P12-BPSK	1	214	16.11	16.07	16.11		0.0	
40	P12-BPSK	100	0	15.72	15.97	15.63	17.5	0.0	
40	P12-BPSK	100	54	15.89	15.87	15.89	17.5	0.0	
40	P12-BPSK	100	104	15.72	15.99	15.69	17.5	0.0	
40	P12-BPSK	216	0	15.76	15.97	15.65		0.0	
40	QPSK	1	1	16.21	16.25	16.35		0.0	
40	QPSK	1	108	16.09	16.11	15.80	17.5	0.0	
40	QPSK	1	214	16.12	16.27	16.31		0.0	
40	QPSK	100	0	15.94	16.02	15.69	17.5	0.0	
40	QPSK	100	54	15.99	16.00	15.89	17.5	0.0	
40	QPSK	100	104	15.91	16.16	15.69	17.5	0.0	
40	QPSK	216	0	15.85	16.12	15.76		0.0	
40	84QAM	1	1	15.97	16.11	15.86	17.5	0.0	
40	84QAM	1	1	15.76	16.01	15.60	17.5	0.0	
40	84QAM	1	1	15.91	15.94	16.15	17.5	0.0	
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1	15.91	16.11	15.76	17.5	0.0	
Channel									
Frequency (MHz)									
25	P12-BPSK	1	1	15.91	16.06	15.69	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.92	16.21	15.81	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.05	16.00	15.79	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.08	16.13	15.73	17.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	15.94	16.00	15.76	17.5	0.0	

n66 Ant1 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Max Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1	17.77	17.91	17.71		0.0	
40	P12-BPSK	1	108	17.83	17.83	17.74	18.9	0.0	
40	P12-BPSK	1	214	17.50	17.71	17.59		0.0	
40	P12-BPSK	100	0	17.52	17.74	17.42	18.9	0.0	
40	P12-BPSK	100	54	17.61	17.66	17.49	18.9	0.0	
40	P12-BPSK	100	104	17.80	17.87	17.41	18.9	0.0	
40	P12-BPSK	216	0	17.41	17.49	17.43		0.0	
40	QPSK	1	1	17.88	17.95	17.83		0.0	
40	QPSK	1	108	17.89	17.87	17.83	18.9	0.0	
40	QPSK	1	214	17.68	17.82	17.69		0.0	
40	QPSK	100	0	17.85	17.71	17.59	18.9	0.0	
40	QPSK	100	54	17.72	17.84	17.69	18.9	0.0	
40	QPSK	100	104	17.84	17.84	17.61	18.9	0.0	
40	QPSK	216	0	17.80	17.68	17.66		0.0	
40	84QAM	1	1	17.84	17.82	17.82	18.9	0.0	
40	84QAM	1	1	17.85	17.80	17.81	18.9	0.0	
40	84QAM	1	1	17.75	17.77	17.65	18.9	0.0	
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1	17.76	17.70	17.61	18.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.79	17.81	17.73	18.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.87	17.84	17.76	18.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.91	17.88	17.82	18.9	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	17.93	17.79	17.74	18.9	0.0	

n41 PC3&PC2 Ant1 DSI2 Standalone								
BW [MHz]	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	17.2	0.0
Frequency (MHz)				2546.01	2592.99	2644.98		
100	PI/2 BPSK	1	1	16.30	16.31	16.27		
100	PI/2 BPSK	1	137	16.09	16.44	16.28		
100	PI/2 BPSK	1	271	16.24	16.08	16.18	17.2	0.0
100	PI/2 BPSK	135	0	16.13	16.39	16.00		
100	PI/2 BPSK	135	69	16.16	16.40	16.20		
100	PI/2 BPSK	135	138	15.92	16.31	15.96		
100	PI/2 BPSK	270	0	16.09	16.24	16.05	17.2	0.0
100	QPSK	1	1	16.38	16.45	16.36		
100	QPSK	1	137	16.26	16.43	16.31		
100	QPSK	1	271	16.24	16.27	16.20		
100	QPSK	135	0	16.33	16.38	16.12	17.2	0.0
100	QPSK	135	69	16.33	16.41	16.24		
100	QPSK	135	138	16.14	16.31	16.15		
100	QPSK	270	0	16.29	16.30	16.19		
100	16QAM	1	1	16.24	16.25	16.17	17.2	0.0
100	64QAM	1	1	16.25	16.24	16.12		
100	256QAM	1	1	16.20	16.19	16.11		
Channel				508200	518598	528596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.14	16.39	16.09	17.2	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.13	16.38	16.20	17.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.11	16.35	16.21	17.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.17	16.40	16.20	17.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.12	16.27	16.14	17.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.10	16.35	16.17	17.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.28	16.19	16.15	17.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.07	16.21	16.10	17.2	0.0



Par270 n77 PC3&PC2 Ant2 DS12 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPK (dB)	
Channel									
Frequency [MHz]									
100	PLC-BPSK	1	1	20.24	20.48	20.26			
100	PLC-BPSK	1	137	20.17	20.20	20.23	21.4	0.0	
100	PLC-BPSK	1	271	20.14	20.20	20.19			
100	PLC-BPSK	135	0	20.10	20.45	20.43	21.4	0.0	
100	PLC-BPSK	135	0	20.26	20.37	20.18			
100	PLC-BPSK	135	136	19.99	20.44	20.39	21.4	0.0	
100	PLC-BPSK	270	0	20.08	20.36	20.18			
100	QPSK	1	1	20.45	20.35	20.47			
100	QPSK	1	137	20.22	20.45	20.43	21.4	0.0	
100	QPSK	1	271	20.35	20.37	20.40			
100	QPSK	135	0	20.32	20.47	20.46	21.4	0.0	
100	QPSK	135	0	20.46	20.46	20.46			
100	QPSK	135	136	20.10	20.47	20.38	21.4	0.0	
100	QPSK	270	0	20.23	20.31	20.21			
100	16QAM	1	1	20.08	20.34	20.43	21.4	0.0	
100	16QAM	1	1	20.10	20.15	20.28	21.4	0.0	
100	16QAM	1	1	20.10	20.44	20.10			
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.11	20.42	20.16	21.4	0.0	
50	QPSK	1	137	20.14	20.42	20.14			
50	QPSK	1	271	20.20	20.31	20.19	21.4	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.20	20.33	20.27	21.4	0.0	
70	QPSK	1	137	20.20	20.33	20.27			
70	QPSK	1	271	20.17	20.47	20.38	21.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.34	20.44	20.30	21.4	0.0	
50	QPSK	1	137	20.34	20.44	20.30			
50	QPSK	1	271	20.20	20.42	20.31	21.4	0.0	
40	QPSK	1	1	20.10	20.42	20.31	21.4	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.27	20.28	20.19	21.4	0.0	
30	QPSK	1	137	20.27	20.28	20.19			
30	QPSK	1	271	20.21	20.45	20.19	21.4	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.10	20.28	20.35	21.4	0.0	
10	QPSK	1	1	20.10	20.39	20.22	21.4	0.0	

Part27Q n77 PC3&PC2 Ant2 DS12 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPK (dB)	
Channel									
Frequency [MHz]									
100	PLC-BPSK	1	1		20.45				
100	PLC-BPSK	1	137		20.33		21.4	0.0	
100	PLC-BPSK	1	271		20.23				
100	PLC-BPSK	135	0		20.38		21.4	0.0	
100	PLC-BPSK	135	0		20.44				
100	PLC-BPSK	135	136		20.38		21.4	0.0	
100	PLC-BPSK	270	0		20.44				
100	QPSK	1	1		20.57				
100	QPSK	1	137		20.59		21.4	0.0	
100	QPSK	1	271		20.38				
100	QPSK	135	0		20.49		21.4	0.0	
100	QPSK	135	0		20.50				
100	QPSK	135	136		20.51		21.4	0.0	
100	QPSK	270	0		20.46				
100	16QAM	1	1		20.35		21.4	0.0	
100	16QAM	1	1		20.26		21.4	0.0	
100	16QAM	1	1		20.41				
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.48	20.49	20.15	21.4	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.28	20.46	20.20	21.4	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.41	20.49	20.23	21.4	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.37	20.45	20.20	21.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.41	20.38	20.15	21.4	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.30	20.46	20.26	21.4	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.42	20.33	20.21	21.4	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.42	20.34	20.20	21.4	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.33	20.32	20.19	21.4	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.50	20.38	20.22	21.4	0.0	

Part270 n78 PC3&PC2 Ant2 DS12 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPK (dB)	
Channel									
Frequency [MHz]									
100	PLC-BPSK	1	1		20.46				
100	PLC-BPSK	1	137		20.31		21.4	0.0	
100	PLC-BPSK	1	271		19.98				
100	PLC-BPSK	135	0		20.38		21.4	0.0	
100	PLC-BPSK	135	0		20.44				
100	PLC-BPSK	135	136		20.24		21.4	0.0	
100	PLC-BPSK	270	0		20.14				
100	QPSK	1	1		20.50				
100	QPSK	1	137		20.23		21.4	0.0	
100	QPSK	1	271		20.30				
100	QPSK	135	0		20.30		21.4	0.0	
100	QPSK	135	0		20.37				
100	QPSK	135	136		20.30		21.4	0.0	
100	QPSK	270	0		20.20				
100	16QAM	1	1		20.21		21.4	0.0	
100	16QAM	1	1		20.08		21.4	0.0	
100	16QAM	1	1		20.30				
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.21	20.42	20.24	21.4	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.24	20.32	20.18	21.4	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.14	20.40	20.16	21.4	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.10	20.31	20.14	21.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.04	20.25	20.21	21.4	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.03	20.42	20.20	21.4	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.13	20.26	20.12	21.4	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.13	20.23	20.10	21.4	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.09	20.41	20.29	21.4	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	20.10	20.46	20.26	21.4	0.0	

n41 PC3 Ant3 DS12 Standalone									
BW (MHz)	Modulation	RF SS	RF Offset	Power dBm Spectrum Subcarrier	Power dBm Spectrum Subcarrier	Power dBm Spectrum Subcarrier	Power dBm Spectrum Subcarrier	Reference level (dBm)	MW (dB)
100	Frequency (MHz)	1	1	21.51	21.79	21.87			
100	PC3 Ant3	1	1	21.43	21.69	21.43	23.0	0.0	
100	PC3 Ant3	1	1	21.43	21.69	21.43			
100	PC3 Ant3	199	0	21.58	21.78	21.52	23.0	0.0	
100	PC3 Ant3	199	0	21.43	21.78	21.52			
100	PC3 Ant3	199	0	21.43	21.68	21.43	23.0	0.0	
100	PC3 Ant3	2719	0	21.44	21.72	21.54			
100	PC3 Ant3	2719	0	21.43	21.68	21.43	23.0	0.0	
100	PC3 Ant3	1	1	21.55	21.77	21.55			
100	PC3 Ant3	1	1	21.43	21.76	21.43	23.0	0.0	
100	PC3 Ant3	1	1	21.50	21.69	21.43			
100	PC3 Ant3	199	0	21.48	21.78	21.52	23.0	0.0	
100	PC3 Ant3	199	0	21.48	21.68	21.43			
100	PC3 Ant3	2719	0	21.53	21.70	21.48			
100	PC3 Ant3	2719	0	21.47	21.68	21.48	23.0	0.0	
100	PC3 Ant3	1	1	21.48	21.75	21.55	23.0	0.0	
100	PC3 Ant3	1	1	21.43	21.74	21.43			
100	Channel	Subcarrier	Subcarrier	Subcarrier	Subcarrier	Subcarrier	Subcarrier	Subcarrier	MW
50	Frequency (MHz)	1	1	21.51	21.35	21.40	23.0	0.0	
50	PC3 Ant3	1	1	50/504	50/505	50/508	23.0	0.0	
50	PC3 Ant3	1	1	50/504	50/505	50/508			
50	Frequency (MHz)	1	1	21.46	21.47	21.53	23.0	0.0	
50	PC3 Ant3	1	1	21.46	21.47	21.53	23.0	0.0	
50	PC3 Ant3	1	1	21.46	21.47	21.53			
50	Frequency (MHz)	1	1	21.51	21.50	21.50	23.0	0.0	
50	PC3 Ant3	1	1	21.43	21.49	21.53	23.0	0.0	
50	PC3 Ant3	1	1	21.43	21.49	21.53			
50	Frequency (MHz)	1	1	21.46	21.48	21.55	23.0	0.0	
50	PC3 Ant3	1	1	21.44	21.48	21.53	23.0	0.0	
50	PC3 Ant3	1	1	21.44	21.48	21.53			
50	Frequency (MHz)	1	1	50/504	50/505	50/508	23.0	0.0	
50	PC3 Ant3	1	1	50/504	50/505	50/508			
50	Frequency (MHz)	1	1	21.50	21.49	21.50	23.0	0.0	
50	PC3 Ant3	1	1	21.46	21.41	21.46	23.0	0.0	
50	PC3 Ant3	1	1	21.46	21.41	21.46			
50	Frequency (MHz)	1	1	50/504	50/505	50/508	23.0	0.0	
50	PC3 Ant3	1	1	50/504	50/505	50/508			
50	Frequency (MHz)	1	1	21.44	21.45	21.55	23.0	0.0	
50	PC3 Ant3	1	1	21.44	21.45	21.55			

n41 PC2 Ant3 DS12 Standalone									
Bit Rate (Mbps)	Modulation	FS Rate (MHz)	FS Offset (MHz)	Channel (MHz)	Subcarrier (kHz)	Subcarrier Offset (kHz)	Subcarrier Bandwidth (kHz)	Subcarrier Spacing (kHz)	Subcarrier Guard Band (kHz)
				Frequency (MHz)	Subcarrier (kHz)	Subcarrier Offset (kHz)	Subcarrier Bandwidth (kHz)	Subcarrier Spacing (kHz)	Subcarrier Guard Band (kHz)
100	16QAM	192	0	24.41	24.45	0	24.45	24.45	0.0
100	16QAM	192	1	24.46	24.46	0	24.46	24.46	0.0
100	16QAM	192	2	24.47	24.47	0	24.47	24.47	0.0
100	16QAM	192	3	24.48	24.48	0	24.48	24.48	0.0
100	16QAM	192	4	24.49	24.49	0	24.49	24.49	0.0
100	16QAM	192	5	24.50	24.50	0	24.50	24.50	0.0
100	16QAM	225	0	24.42	24.42	0	24.42	24.42	0.0
100	16QAM	225	1	24.43	24.43	0	24.43	24.43	0.0
100	16QAM	225	2	24.44	24.44	0	24.44	24.44	0.0
100	16QAM	225	3	24.45	24.45	0	24.45	24.45	0.0
100	16QAM	225	4	24.46	24.46	0	24.46	24.46	0.0
100	16QAM	225	5	24.47	24.47	0	24.47	24.47	0.0
100	16QAM	225	6	24.48	24.48	0	24.48	24.48	0.0
100	16QAM	225	7	24.49	24.49	0	24.49	24.49	0.0
100	16QAM	225	8	24.50	24.50	0	24.50	24.50	0.0
100	16QAM	225	9	24.51	24.51	0	24.51	24.51	0.0
100	16QAM	225	10	24.52	24.52	0	24.52	24.52	0.0
100	16QAM	225	11	24.53	24.53	0	24.53	24.53	0.0
100	16QAM	225	12	24.54	24.54	0	24.54	24.54	0.0
100	16QAM	225	13	24.55	24.55	0	24.55	24.55	0.0
100	16QAM	225	14	24.56	24.56	0	24.56	24.56	0.0
100	16QAM	225	15	24.57	24.57	0	24.57	24.57	0.0
100	16QAM	225	16	24.58	24.58	0	24.58	24.58	0.0
100	16QAM	225	17	24.59	24.59	0	24.59	24.59	0.0
100	16QAM	225	18	24.60	24.60	0	24.60	24.60	0.0
100	16QAM	225	19	24.61	24.61	0	24.61	24.61	0.0
100	16QAM	225	20	24.62	24.62	0	24.62	24.62	0.0
100	16QAM	225	21	24.63	24.63	0	24.63	24.63	0.0
100	16QAM	225	22	24.64	24.64	0	24.64	24.64	0.0
100	16QAM	225	23	24.65	24.65	0	24.65	24.65	0.0
100	16QAM	225	24	24.66	24.66	0	24.66	24.66	0.0
100	16QAM	225	25	24.67	24.67	0	24.67	24.67	0.0
100	16QAM	225	26	24.68	24.68	0	24.68	24.68	0.0
100	16QAM	225	27	24.69	24.69	0	24.69	24.69	0.0
100	16QAM	225	28	24.70	24.70	0	24.70	24.70	0.0
100	16QAM	225	29	24.71	24.71	0	24.71	24.71	0.0
100	16QAM	225	30	24.72	24.72	0	24.72	24.72	0.0
100	16QAM	225	31	24.73	24.73	0	24.73	24.73	0.0
100	16QAM	225	32	24.74	24.74	0	24.74	24.74	0.0
100	16QAM	225	33	24.75	24.75	0	24.75	24.75	0.0
100	16QAM	225	34	24.76	24.76	0	24.76	24.76	0.0
100	16QAM	225	35	24.77	24.77	0	24.77	24.77	0.0
100	16QAM	225	36	24.78	24.78	0	24.78	24.78	0.0
100	16QAM	225	37	24.79	24.79	0	24.79	24.79	0.0
100	16QAM	225	38	24.80	24.80	0	24.80	24.80	0.0
100	16QAM	225	39	24.81	24.81	0	24.81	24.81	0.0
100	16QAM	225	40	24.82	24.82	0	24.82	24.82	0.0
100	16QAM	225	41	24.83	24.83	0	24.83	24.83	0.0
100	16QAM	225	42	24.84	24.84	0	24.84	24.84	0.0
100	16QAM	225	43	24.85	24.85	0	24.85	24.85	0.0
100	16QAM	225	44	24.86	24.86	0	24.86	24.86	0.0
100	16QAM	225	45	24.87	24.87	0	24.87	24.87	0.0
100	16QAM	225	46	24.88	24.88	0	24.88	24.88	0.0
100	16QAM	225	47	24.89	24.89	0	24.89	24.89	0.0
100	16QAM	225	48	24.90	24.90	0	24.90	24.90	0.0
100	16QAM	225	49	24.91	24.91	0	24.91	24.91	0.0
100	16QAM	225	50	24.92	24.92	0	24.92	24.92	0.0
100	16QAM	225	51	24.93	24.93	0	24.93	24.93	0.0
100	16QAM	225	52	24.94	24.94	0	24.94	24.94	0.0
100	16QAM	225	53	24.95	24.95	0	24.95	24.95	0.0
100	16QAM	225	54	24.96	24.96	0	24.96	24.96	0.0
100	16QAM	225	55	24.97	24.97	0	24.97	24.97	0.0
100	16QAM	225	56	24.98	24.98	0	24.98	24.98	0.0
100	16QAM	225	57	24.99	24.99	0	24.99	24.99	0.0
100	16QAM	225	58	25.00	25.00	0	25.00	25.00	0.0
50	QPSK	192	0	24.41	24.45	0	24.45	24.45	0.0
50	QPSK	192	1	24.46	24.46	0	24.46	24.46	0.0
50	QPSK	192	2	24.47	24.47	0	24.47	24.47	0.0
50	QPSK	192	3	24.48	24.48	0	24.48	24.48	0.0
50	QPSK	192	4	24.49	24.49	0	24.49	24.49	0.0
50	QPSK	192	5	24.50	24.50	0	24.50	24.50	0.0
50	QPSK	225	0	24.42	24.42	0	24.42	24.42	0.0
50	QPSK	225	1	24.43	24.43	0	24.43	24.43	0.0
50	QPSK	225	2	24.44	24.44	0	24.44	24.44	0.0
50	QPSK	225	3	24.45	24.45	0	24.45	24.45	0.0
50	QPSK	225	4	24.46	24.46	0	24.46	24.46	0.0
50	QPSK	225	5	24.47	24.47	0	24.47	24.47	0.0
50	QPSK	225	6	24.48	24.48	0	24.48	24.48	0.0
50	QPSK	225	7	24.49	24.49	0	24.49	24.49	0.0
50	QPSK	225	8	24.50	24.50	0	24.50	24.50	0.0
50	QPSK	225	9	24.51	24.51	0	24.51	24.51	0.0
50	QPSK	225	10	24.52	24.52	0	24.52	24.52	0.0
50	QPSK	225	11	24.53	24.53	0	24.53	24.53	0.0
50	QPSK	225	12	24.54	24.54	0	24.54	24.54	0.0
50	QPSK	225	13	24.55	24.55	0	24.55	24.55	0.0
50	QPSK	225	14	24.56	24.56	0	24.56	24.56	0.0
50	QPSK	225	15	24.57	24.57	0	24.57	24.57	0.0
50	QPSK	225	16	24.58	24.58	0	24.58	24.58	0.0
50	QPSK	225	17	24.59	24.59	0	24.59	24.59	0.0
50	QPSK	225	18	24.60	24.60	0	24.60	24.60	0.0
50	QPSK	225	19	24.61	24.61	0	24.61	24.61	0.0
50	QPSK	225	20	24.62	24.62	0	24.62	24.62	0.0
50	QPSK	225	21	24.63	24.63	0	24.63	24.63	0.0
50	QPSK	225	22	24.64	24.64	0	24.64	24.64	0.0
50	QPSK	225	23	24.65	24.65	0	24.65	24.65	0.0
50	QPSK	225	24	24.66	24.66	0	24.66	24.66	0.0
50	QPSK	225	25	24.67	24.67	0	24.67	24.67	0.0
50	QPSK	225	26	24.68	24.68	0	24.68	24.68	0.0
50	QPSK	225	27	24.69	24.69	0	24.69	24.69	0.0
50	QPSK	225	28	24.70	24.70	0	24.70	24.70	0.0
50	QPSK	225	29	24.71	24.71	0	24.71	24.71	0.0
50	QPSK	225	30	24.72	24.72	0	24.72	24.72	0.0
50	QPSK	225	31	24.73	24.73	0	24.73	24.73	0.0
50	QPSK	225	32	24.74	24.74	0	24.74	24.74	0.0
50	QPSK	225	33	24.75	24.75	0	24.75	24.75	0.0
50	QPSK	225	34	24.76	24.76	0	24.76	24.76	0.0
50	QPSK	225	35	24.77	24.77	0	24.77	24.77	0.0
50	QPSK	225	36	24.78	24.78	0	24.78	24.78	0.0
50	QPSK	225	37	24.79	24.79	0	24.79	24.79	0.0
50	QPSK	225	38	24.80	24.80	0	24.80	24.80	0.0
50	QPSK	225	39	24.81	24.81	0	24.81	24.81	0.0
50	QPSK	225	40	24.82	24.82	0	24.82	24.82	0.0
50	QPSK	225	41	24.83	24.83	0	24.83	24.83	0.0
50	QPSK	225	42	24.84	24.84	0	24.84	24.84	0.0
50	QPSK	225	43	24.85	24.85	0	24.85	24.85	0.0
50	QPSK	225	44	24.86	24.86	0	24.86	24.86	0.0
50	QPSK	225	45	24.87	24.87	0	24.87	24.87	0.0
50	QPSK	225	46	24.88	24.88	0	24.88	24.88	0.0
50	QPSK	225	47	24.89	24.89	0	24.89	24.89	0.0
50	QPSK	225	48	24.90	24.90	0	24.90	24.90	0.0
50	QPSK	225	49	24.91	24.91	0	24.91	24.91	0.0
50	QPSK	225	50	24.92	24.92	0	24.92	24.92	0.0
50	QPSK	225	51	24.93	24.93	0	24.93	24.93	0.0
50	QPSK	225	52	24.94	24.94	0	24.94	24.94	0.0
50	QPSK	225	53	24.95	24.95	0	24.95	24.95	0.0
50	QPSK	225	54	24.96	24.96	0	24.96	24.96	0.0
50	QPSK	225	55	24.97	24.97	0	24.97	24.97	0.0
50	QPSK	225	56	24.98	24.98	0	24.98	24.98	0.0
50	QPSK	225	57	24.99	24.99	0	24.99	24.99	0.0
50	QPSK	225	58	25.00	25.00	0	25.00	25.00	0.0

Par270 n77 PC3 Ant3 DS12 Standalone									
RF (MHz)	Modulation	RF Sigs	RF ChOut	Power Fwd (dBm)	Power Fwd (dBm)	Power Fwd (dBm)	Power Fwd (dBm)	Output Power (dBm)	PAE (%)
Frequency (MHz)									
100	QPSK	1	1	20.72	22.83	22.83			
100	QPSK	1	187	22.73	22.73	22.62	24.1	0.0	
100	QPSK	188	1	22.73	22.73	22.62			
100	QPSK	188	187	22.73	22.73	22.73	23.5	0.0	
100	QPSK	133	66	22.83	22.82	22.92	24.4	0.0	
100	QPSK	133	133	22.83	22.82	22.92			
100	QPSK	270	0	22.33	22.45	22.26	23.5	0.0	
100	QPSK	270	270	22.33	22.45	22.26			
100	QPSK	1	187	22.65	22.84	22.64	24.0	0.0	
100	QPSK	1	270	22.70	22.67	22.67			
100	QPSK	188	1	22.70	22.67	22.67	24.0	0.0	
100	QPSK	133	66	22.79	22.67	22.64	24.4	0.0	
100	QPSK	133	133	22.79	22.67	22.64			
100	QPSK	270	0	22.10	22.11	22.02	24.0	0.0	
100	QPSK	270	270	22.10	22.11	22.02			
100	QPSK	1	1	21.94	22.05	22.05	23.5	0.0	
100	QPSK	1	187	21.94	22.05	22.05			
100	QPSK	188	1	21.94	22.05	22.05	23.5	0.0	
100	QPSK	188	187	21.94	22.05	22.05			
100	QPSK	133	66	21.94	22.05	22.05	24.0	0.0	
100	QPSK	133	133	21.94	22.05	22.05			
100	QPSK	270	0	18.16	18.35	18.21	19.5	4.0	
100	QPSK	270	270	18.16	18.35	18.21			
Frequency (MHz)									
80	QPSK	1	1	24.01	24.01	24.01	24.0	0.0	
80	QPSK	1	187	24.01	24.01	24.01			
80	QPSK	188	1	24.01	24.01	24.01	24.0	0.0	
80	QPSK	188	187	24.01	24.01	24.01			
80	QPSK	133	66	24.00	24.00	24.00	24.0	0.0	
80	QPSK	133	133	24.00	24.00	24.00			
80	QPSK	270	0	22.82	22.89	22.80	24.0	0.0	
80	QPSK	270	270	22.82	22.89	22.80			
Frequency (MHz)									
60	QPSK	1	1	22.69	22.77	22.63	24.0	0.0	
60	QPSK	1	187	22.69	22.77	22.63			
60	QPSK	188	1	22.69	22.77	22.63	24.0	0.0	
60	QPSK	188	187	22.69	22.77	22.63			
60	QPSK	133	66	22.68	22.78	22.69	24.0	0.0	
60	QPSK	133	133	22.68	22.78	22.69			
Frequency (MHz)									
40	QPSK	1	1	21.79	21.84	21.74	24.0	0.0	
40	QPSK	1	187	21.79	21.84	21.74			
40	QPSK	188	1	21.79	21.84	21.74	24.0	0.0	
40	QPSK	188	187	21.79	21.84	21.74			
40	QPSK	133	66	21.78	21.78	21.74	24.0	0.0	
40	QPSK	133	133	21.78	21.78	21.74			
Frequency (MHz)									
20	QPSK	1	1	20.72	20.78	20.64	24.0	0.0	
20	QPSK	1	187	20.72	20.78	20.64			
20	QPSK	188	1	20.72	20.78	20.64	24.0	0.0	
20	QPSK	188	187	20.72	20.78	20.64			
20	QPSK	133	66	20.70	20.70	20.64	24.0	0.0	

Par270 n77 PC2 Ant3 DS12 Standalone									
RF MHz	Modulation	RF Rate	RF Offset	Channel Bandwidth	Power Flux Density [dBm/Hz]	Power Flux Density [dBm/Hz]	Power Flux Density [dBm/Hz]	Power Flux Density [dBm/Hz]	SNR [dB]
900	FSK/MSK	1	0	25.72	25.77	25.84			
900	FSK/MSK	1	159	25.77	25.83	25.82	27.0	0.0	
900	FSK/MSK	159	0	25.72	25.83	25.84			
900	FSK/MSK	159	270	25.70	25.84	25.87	27.0	0.0	
900	FSK/MSK	159	88	25.82	25.85	25.78	27.0	0.0	
900	FSK/MSK	159	270	25.72	25.83	25.84	27.0	0.0	
900	FSK/MSK	270	0	25.71	25.88	25.87	27.0	0.0	
900	FSK/MSK	270	159	25.72	25.83	25.84			
900	FSK/MSK	1	159	25.87	25.82	25.88	27.0	0.0	
900	FSK/MSK	1	270	25.70	25.88	25.72			
900	FSK/MSK	1	88	25.82	25.85	25.78	26.5	0.0	
900	FSK/MSK	159	88	25.86	25.80	25.73	27.0	0.0	
900	FSK/MSK	270	88	25.87	25.84	25.82	26.5	0.0	
900	FSK/MSK	270	0	25.81	25.84	25.82	26.5	0.0	
900	FSK/MSK	270	159	25.72	25.83	25.84	27.0	0.0	
900	FSK/MSK	1	0	25.82	25.80	25.85	26.5	0.0	
900	FSK/MSK	1	270	25.71	25.83	25.71	25.0	4.0	
900	FSK/MSK	1	88	25.82	25.80	25.85			
900	FSK/MSK	1	159	25.84	25.80	25.84			
900	FSK/MSK	1	270	25.81	25.82	25.79	27.0	0.0	
900	FSK/MSK	159	0	25.72	25.85	25.85			
900	FSK/MSK	159	159	25.70	25.85	25.85			
900	FSK/MSK	159	270	25.74	25.81	25.76	27.0	0.0	
900	FSK/MSK	159	88	25.81	25.80	25.79	27.0	0.0	
900	FSK/MSK	159	270	25.72	25.83	25.84	27.0	0.0	
900	FSK/MSK	270	0	25.82	25.88	25.84	27.0	0.0	
900	FSK/MSK	270	159	25.72	25.83	25.84	27.0	0.0	
900	FSK/MSK	270	270	25.72	25.83	25.84	27.0	0.0	
900	FSK/MSK	1	0	25.82	25.80	25.85			
900	FSK/MSK	1	159	25.84	25.80	25.84			
900	FSK/MSK	1	270	25.81	25.82	25.79	27.0	0.0	
900	FSK/MSK	159	0	25.72	25.85	25.85			
900	FSK/MSK	159	159	25.70	25.85	25.85			
900	FSK/MSK	159	270	25.74	25.81	25.76	27.0	0.0	
900	FSK/MSK	159	88	25.81	25.80	25.79	27.0	0.0	
900	FSK/MSK	159	270	25.72	25.83	25.84	27.0	0.0	
900	FSK/MSK	270	0	25.82	25.88	25.84	27.0	0.0	
900	FSK/MSK	270	159	25.72	25.83	25.84	27.0	0.0	
900	FSK/MSK	270	270	25.72	25.83	25.84	27.0	0.0	
900	FSK/MSK	1	0	25.82	25.80	25.85			



Part27Q n77 PC3 Ant3 DS12 Standalone							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Frac.]	Power Max Ch.1 [Frac.]	Power High Ch.1 [Frac.]	MPR [dB]
Channel							
Frequency [MHz]							
100	PSS-BPSK	1	1	25.49			
100	PSS-BPSK	1	137	25.53		24.0	0.0
100	PSS-BPSK	1	271	25.48			
100	PSS-BPSK	135	0	25.58		23.5	0.5
100	PSS-BPSK	135	68	25.56		24.5	0.5
100	PSS-BPSK	135	138	25.58		23.5	0.5
100	PSS-BPSK	270	0	25.57			
100	QPSK	1	1	25.58			
100	QPSK	1	137	25.55		24.0	0.0
100	QPSK	1	271	25.57			
100	QPSK	135	0	25.58		24.0	0.0
100	QPSK	135	68	25.56		24.5	0.0
100	QPSK	135	138	25.58		24.0	0.0
100	QPSK	270	0	25.56			
100	16QAM	1	1	25.72		23.0	1.0
100	16QAM	1	1	26.17		23.5	2.5
100	16QAM	1	1	25.86		24.5	4.5
Channel							
Frequency [MHz]							
90	QPSK	1	1	25.55	83300	25.58	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	25.52	83300	25.52	0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	25.55	83300	25.57	0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	25.51	83300	25.51	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	25.51	83300	25.51	0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	25.53	83300	25.53	0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	25.57	83300	25.57	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	25.52	83300	25.52	0.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	25.53	83300	25.53	0.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	25.50	83300	25.57	0.0

Part27Q n77 PC2 Ant3 DS12 Standalone							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Frac.]	Power Max Ch.1 [Frac.]	Power High Ch.1 [Frac.]	MPR [dB]
Channel							
Frequency [MHz]							
100	PSS-BPSK	1	1	25.55			
100	PSS-BPSK	1	137	25.59		27.0	0.0
100	PSS-BPSK	1	271	25.53			
100	PSS-BPSK	135	0	25.44		27.0	0.0
100	PSS-BPSK	135	68	25.56		27.5	0.0
100	PSS-BPSK	135	138	25.55		27.0	0.0
100	PSS-BPSK	270	0	25.46			
100	QPSK	1	1	25.58			
100	QPSK	1	137	25.54		27.0	0.0
100	QPSK	1	271	25.55			
100	QPSK	135	0	25.58		27.0	0.0
100	QPSK	135	68	25.57		27.5	0.0
100	QPSK	135	138	25.57		27.0	0.0
100	QPSK	270	0	25.55			
100	16QAM	1	1	25.72		26.5	0.5
100	16QAM	1	1	25.69		26.0	2.0
100	16QAM	1	1	25.54		25.0	4.0
Channel							
Frequency [MHz]							
90	QPSK	1	1	25.40	83300	25.50	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	25.41	83300	25.41	0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	25.54	83300	25.56	0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	25.54	83300	25.56	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	25.54	83300	25.56	0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	25.54	83300	25.56	0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	25.49	83300	25.51	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	25.46	83300	25.52	0.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	25.49	83300	25.54	0.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	25.45	83300	25.57	0.0

Part27O n78 PC3 Ant3 DS12 Standalone							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Frac.]	Power Max Ch.1 [Frac.]	Power High Ch.1 [Frac.]	MPR [dB]
Channel							
Frequency [MHz]							
100	PSS-BPSK	1	1	22.84			
100	PSS-BPSK	1	137	22.83		24.0	0.0
100	PSS-BPSK	1	271	22.85			
100	PSS-BPSK	135	0	22.45		23.5	0.5
100	PSS-BPSK	135	68	22.85		24.5	0.5
100	PSS-BPSK	135	138	22.82		23.5	0.5
100	PSS-BPSK	270	0	22.47			
100	QPSK	1	1	22.87			
100	QPSK	1	137	22.84		24.0	0.0
100	QPSK	1	271	22.83			
100	QPSK	135	0	22.86		24.0	0.0
100	QPSK	135	68	22.87		24.5	0.0
100	QPSK	135	138	22.87		24.0	0.0
100	QPSK	270	0	22.86			
100	16QAM	1	1	22.74		23.0	1.0
100	16QAM	1	1	22.61		21.5	2.5
100	16QAM	1	1	22.36		20.5	4.5
Channel							
Frequency [MHz]							
90	QPSK	1	1	22.89	83300	22.94	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	22.92	83300	22.93	0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	22.93	83300	22.93	0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	22.91	83300	22.92	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	22.83	83300	22.85	0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	22.85	83300	22.85	0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	22.84	83300	22.84	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	22.93	83300	22.92	0.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	22.92	83300	22.91	0.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	22.86	83300	22.85	0.0

Part27O n78 PC2 Ant3 DS12 Standalone							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Frac.]	Power Max Ch.1 [Frac.]	Power High Ch.1 [Frac.]	MPR [dB]
Channel							
Frequency [MHz]							
100	PSS-BPSK	1	1	25.76			
100	PSS-BPSK	1	137	25.75		27.0	0.0
100	PSS-BPSK	1	271	25.77			
100	PSS-BPSK	135	0	25.76		27.0	0.0
100	PSS-BPSK	135	68	25.74		27.5	0.0
100	PSS-BPSK	135	138	25.76		27.0	0.0
100	PSS-BPSK	270	0	25.75			
100	QPSK	1	1	25.75			
100	QPSK	1	137	25.84		27.0	0.0
100	QPSK	1	271	25.71			
100	QPSK	135	0	25.78		27.0	0.0
100	QPSK	135	68	25.79		27.5	0.0
100	QPSK	135	138	25.79		27.0	0.0
100	QPSK	270	0	25.78			
100	16QAM	1	1	25.42		26.5	0.5
100	16QAM	1	1	24.65		26.0	2.0
100	16QAM	1	1	25.63		25.0	4.0

Part27Q 78 PC3 Ant3 DSI2 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Time-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PSS BPSK	1	1	23.02				
100	PSS BPSK	1	137	23.09			24.0	0.0
100	PSS BPSK	1	271	23.08				
100	PSS BPSK	135	0	22.83			23.5	0.0
100	PSS BPSK	135	86	22.89			26.5	0.0
100	PSS BPSK	135	136	22.85			23.5	0.5
100	PSS BPSK	270	0	22.81				
100	QPSK	1	1	23.02				
100	QPSK	1	137	23.04			24.0	0.0
100	QPSK	1	271	23.03				
100	QPSK	135	0	22.72			24.0	0.0
100	QPSK	135	86	22.80			26.5	0.0
100	QPSK	135	136	22.72			24.0	0.0
100	QPSK	270	0	22.74				
100	16QAM	1	1	22.92			23.0	1.0
100	16QAM	1	1	20.87			21.5	2.0
100	16QAM	1	1	18.57			18.5	4.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.99	23.01	23.04	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.99	23.03	23.09	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.88	23.07	23.05	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.97	22.99	23.04	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.99	22.98	23.01	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.00	23.08	23.00	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.03	23.09	23.00	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.07	22.99	23.01	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.05	23.07	23.09	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.03	23.03	23.09	24.0	0.0

Part27Q 78 PC2 Ant3 DSI2 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Time-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PSS BPSK	1	1	26.03				
100	PSS BPSK	1	137	26.01			27.0	0.0
100	PSS BPSK	1	271	25.97				
100	PSS BPSK	135	0	25.74			27.0	0.0
100	PSS BPSK	135	86	25.71			27.0	0.0
100	PSS BPSK	135	136	25.69			27.0	0.0
100	PSS BPSK	270	0	25.62				
100	QPSK	1	1	26.03				
100	QPSK	1	137	26.07			27.0	0.0
100	QPSK	1	271	26.02				
100	QPSK	135	0	25.42			27.0	0.0
100	QPSK	135	86	25.40			27.0	0.0
100	QPSK	135	136	25.34			27.0	0.0
100	QPSK	270	0	25.62				
100	16QAM	1	1	26.53			26.5	0.5
100	16QAM	1	1	24.10			25.0	2.0
100	16QAM	1	1	22.04			23.0	4.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.05	26.05	26.07	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.99	26.06	26.01	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.05	26.03	26.09	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.98	26.07	26.00	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.07	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.04	26.06	26.07	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.08	26.00	26.07	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.00	26.07	26.06	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.05	26.09	26.06	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.99	26.02	26.05	27.0	0.0

n41 PC3&PC2 Ant4 DSI2 Standalone								
BW [MHz]	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	17.4	0.0
Frequency (MHz)				2545.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.43	16.57	16.57	17.4	0.0
100	PI/2 BPSK	1	137	16.35	16.66	16.56		
100	PI/2 BPSK	1	271	16.30	16.39	16.62		
100	PI/2 BPSK	135	0	16.50	16.36	16.41		
100	PI/2 BPSK	135	69	16.46	16.56	16.67	17.4	0.0
100	PI/2 BPSK	135	138	16.69	16.62	16.55	17.4	0.0
100	PI/2 BPSK	270	0	16.00	16.06	15.96		
100	QPSK	1	1	16.64	16.74	16.59	17.4	0.0
100	QPSK	1	137	16.50	16.67	16.62		
100	QPSK	1	271	16.45	16.54	16.71		
100	QPSK	135	0	16.63	16.49	16.56		
100	QPSK	135	69	16.66	16.69	16.68	17.4	0.0
100	QPSK	135	138	16.67	16.61	16.60	17.4	0.0
100	QPSK	270	0	16.17	16.25	16.14		
100	16QAM	1	1	16.46	16.68	16.50	17.4	0.0
100	64QAM	1	1	16.44	16.54	16.54	17.4	0.0
100	256QAM	1	1	16.48	16.47	16.50	17.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.46	16.46	16.47	17.4	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.40	16.61	16.47	17.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.51	16.48	16.58	17.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.53	16.45	16.55	17.4	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.38	16.57	16.55	17.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.55	16.61	16.57	17.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.45	16.63	16.50	17.4	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.32	16.59	16.55	17.4	0.0

Par270 n77 PC3&PC2 Ant5 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				649668	656000	662000		
Frequency (MHz)				3735	3840	3935.01		
100	PI/2 BPSK	1	1	16.32	16.62	16.31		
100	PI/2 BPSK	1	137	16.21	16.58	16.23	17.9	0.0
100	PI/2 BPSK	1	271	16.21	16.57	16.32		
100	PI/2 BPSK	135	0	16.20	16.40	16.06	17.9	0.0
100	PI/2 BPSK	135	69	16.30	16.39	16.16	17.9	0.0
100	PI/2 BPSK	135	138	16.07	16.18	16.06		
100	PI/2 BPSK	270	0	15.99	16.46	16.23	17.9	0.0
100	QPSK	1	1	16.49	16.65	16.40		
100	QPSK	1	137	16.32	16.57	16.29	17.9	0.0
100	QPSK	1	271	16.33	16.59	16.37		
100	QPSK	135	0	16.22	16.44	16.18	17.9	0.0
100	QPSK	135	69	16.32	16.51	16.30	17.9	0.0
100	QPSK	135	138	16.16	16.37	16.14		
100	QPSK	270	0	16.19	16.48	16.24	17.9	0.0
100	16QAM	1	1	16.19	16.54	16.30	17.9	0.0
100	64QAM	1	1	16.32	16.57	16.29	17.9	0.0
100	256QAM	1	1	16.11	16.33	16.17	17.9	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	16.24	16.47	16.25	17.9	0.0
Channel				648334	656000	662068	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	16.20	16.49	16.17	17.9	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	16.30	16.48	16.17	17.9	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3725.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	16.22	16.46	16.31	17.9	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	16.34	16.43	16.21	17.9	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	16.36	16.37	16.16	17.9	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	16.26	16.50	16.25	17.9	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	16.24	16.38	16.27	17.9	0.0
Channel				647168	656000	664934	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	16.36	16.33	16.26	17.9	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	16.28	16.50	16.30	17.9	0.0

Part27Q n77 PC3&PC2 Ant5 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	16.72				
100	PI/2 BPSK	1	137	16.63			17.9	0.0
100	PI/2 BPSK	1	271	16.18				
100	PI/2 BPSK	135	0	16.31			17.9	0.0
100	PI/2 BPSK	135	69	16.21			17.9	0.0
100	PI/2 BPSK	135	138	16.37			17.9	0.0
100	PI/2 BPSK	270	0	16.18				
100	QPSK	1	1	16.88				
100	QPSK	1	137	16.76			17.9	0.0
100	QPSK	1	271	16.60				
100	QPSK	135	0	16.72			17.9	0.0
100	QPSK	135	69	16.85			17.9	0.0
100	QPSK	135	138	16.66			17.9	0.0
100	QPSK	270	0	16.70				
100	16QAM	1	1	16.45			17.9	0.0
100	64QAM	1	1	16.39			17.9	0.0
100	256QAM	1	1	16.48			17.9	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	16.53	16.66	16.40	17.9	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	16.71	16.63	16.52	17.9	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	16.57	16.56	16.52	17.9	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	16.50	16.64	16.46	17.9	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	16.67	16.56	16.36	17.9	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	16.60	16.68	16.34	17.9	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	16.62	16.58	16.44	17.9	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	16.60	16.60	16.38	17.9	0.0
Channel				630590	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	16.65	16.62	16.52	17.9	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	16.56	16.65	16.54	17.9	0.0

Part270 n78 PC3&PC2 Ant5 DSI2 Standalone									
BW [MHz]	Modulation	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		16.38		17.9	0.0	
100	PI/2 BPSK	1	137		16.41				
100	PI/2 BPSK	1	271		16.56				
100	PI/2 BPSK	135	0		16.30		17.9	0.0	
100	PI/2 BPSK	135	69		16.32		17.9	0.0	
100	PI/2 BPSK	135	138		15.96		17.9	0.0	
100	PI/2 BPSK	270	0		16.34				
100	QPSK	1	1		16.51				
100	QPSK	1	137		16.48		17.9	0.0	
100	QPSK	1	271		16.36				
100	QPSK	135	0		16.37		17.9	0.0	
100	QPSK	135	69		16.51		17.9	0.0	
100	QPSK	135	138		16.31		17.9	0.0	
100	QPSK	270	0		16.31				
100	16QAM	1	1		16.37		17.9	0.0	
100	64QAM	1	1		16.43		17.9	0.0	
100	256QAM	1	1		16.23		17.9	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	17.9	0.0	
90	QPSK	1	1		16.07	16.30	16.05	17.9	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	17.9	0.0	
80	QPSK	1	1		16.18	16.53	16.13	17.9	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	17.9	0.0	
70	QPSK	1	1		16.06	16.44	16.03	17.9	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3732.02	3750	3770.01	17.9	0.0	
60	QPSK	1	1		16.05	16.51	16.00	17.9	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	17.9	0.0	
50	QPSK	1	1		16.15	16.43	16.07	17.9	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	17.9	0.0	
40	QPSK	1	1		16.11	16.42	16.20	17.9	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	17.9	0.0	
30	QPSK	1	1		16.10	16.39	16.12	17.9	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	17.9	0.0	
20	QPSK	1	1		16.04	16.51	16.02	17.9	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	17.9	0.0	
15	QPSK	1	1		16.13	16.44	16.07	17.9	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	17.9	0.0	
10	QPSK	1	1		16.01	16.30	16.13	17.9	

Part27Q n78 PC3&PC2 Ant5 DSI2 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1		16.56		17.9	0.0	
100	PI/2 BPSK	1	137		16.39				
100	PI/2 BPSK	1	271		16.04				
100	PI/2 BPSK	135	0		16.21		17.9	0.0	
100	PI/2 BPSK	135	69		16.03		17.9	0.0	
100	PI/2 BPSK	135	138		16.08		17.9	0.0	
100	PI/2 BPSK	270	0		15.94				
100	QPSK	1	1		16.77				
100	QPSK	1	137		16.45		17.9	0.0	
100	QPSK	1	271		16.51				
100	QPSK	135	0		16.45		17.9	0.0	
100	QPSK	135	69		16.76		17.9	0.0	
100	QPSK	135	138		16.55		17.9	0.0	
100	QPSK	270	0		16.45				
100	16QAM	1	1		16.37		17.9	0.0	
100	64QAM	1	1		16.16		17.9	0.0	
100	256QAM	1	1		16.19		17.9	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	17.9	0.0	
90	QPSK	1	1		16.37	16.62	16.19	17.9	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	17.9	0.0	
80	QPSK	1	1		16.45	16.48	16.29	17.9	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	17.9	0.0	
70	QPSK	1	1		16.35	16.47	16.22	17.9	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	17.9	0.0	
60	QPSK	1	1		16.41	16.62	16.22	17.9	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	17.9	0.0	
50	QPSK	1	1		16.39	16.65	16.25	17.9	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	17.9	0.0	
40	QPSK	1	1		16.51	16.63	16.42	17.9	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	17.9	0.0	
30	QPSK	1	1		16.46	16.57	16.41	17.9	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	17.9	0.0	
20	QPSK	1	1		16.40	16.68	16.41	17.9	
Channel				630590	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	17.9	0.0	
15	QPSK	1	1		16.35	16.47	16.21	17.9	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	17.9	0.0	
10	QPSK	1	1		16.52	16.66	16.28	17.9	



Par270 n77 PC3 Ant7 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq. (MHz)	Power Max Ch.1 Freq. (MHz)	Power High Ch.1 Freq. (MHz)	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PLC BPSK	1	1	22.21	22.31	22.32		24.0	0.0
100	PLC BPSK	1	137	22.12	22.44	22.37		24.0	0.0
100	PLC BPSK	1	271	22.25	22.34	22.30		24.0	0.0
100	PLC BPSK	136	0	21.78	22.15	21.84	23.0	0.0	0.0
100	PLC BPSK	136	86	22.22	22.28	22.48	24.0	0.0	0.0
100	PLC BPSK	136	136	21.84	22.12	21.91	23.0	0.0	0.0
100	PLC BPSK	270	0	21.91	22.30	21.97		24.0	0.0
100	QPSK	1	1	22.35	22.35	22.32		24.0	0.0
100	QPSK	1	137	22.20	22.38	22.48		24.0	0.0
100	QPSK	1	271	22.25	22.34	22.33		24.0	0.0
100	QPSK	136	0	21.10	21.49	21.44	23.0	1.0	1.0
100	QPSK	136	86	22.10	22.36	22.42	24.0	0.0	0.0
100	QPSK	136	136	21.11	21.39	21.42	23.0	1.0	1.0
100	QPSK	270	0	21.23	21.54	21.38		24.0	0.0
100	MSKAM	1	1	21.26	21.47	21.30	23.0	1.0	1.0
100	MSKAM	1	1	19.10	20.05	20.07	23.0	2.0	2.0
100	MSKAM	1	1	17.65	18.30	17.62	19.0	4.0	4.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.25	22.31	22.37	24.0	0.0	0.0
50	QPSK	1	137	22.12	22.44	22.37	24.0	0.0	0.0
50	QPSK	1	271	22.25	22.34	22.47	24.0	0.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.21	22.41	22.45	24.0	0.0	0.0
70	QPSK	1	137	22.08	22.40	22.33	24.0	0.0	0.0
70	QPSK	1	271	22.24	22.31	22.48	24.0	0.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.21	22.41	22.45	24.0	0.0	0.0
50	QPSK	1	137	22.08	22.40	22.33	24.0	0.0	0.0
50	QPSK	1	271	22.24	22.31	22.48	24.0	0.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.27	22.33	22.40	24.0	0.0	0.0
40	QPSK	1	137	22.14	22.46	22.40	24.0	0.0	0.0
40	QPSK	1	271	22.27	22.33	22.40	24.0	0.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.34	22.38	22.50	24.0	0.0	0.0
30	QPSK	1	137	22.21	22.49	22.45	24.0	0.0	0.0
30	QPSK	1	271	22.31	22.34	22.37	24.0	0.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.31	22.34	22.37	24.0	0.0	0.0
20	QPSK	1	137	22.18	22.50	22.46	24.0	0.0	0.0
20	QPSK	1	271	22.31	22.34	22.37	24.0	0.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.33	22.38	22.47	24.0	0.0	0.0
10	QPSK	1	137	22.20	22.50	22.47	24.0	0.0	0.0
10	QPSK	1	271	22.33	22.38	22.47	24.0	0.0	0.0

Par270 n77 PC2 Ant7 DSII2 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq. (MHz)	Power Max Ch.1 Freq. (MHz)	Power High Ch.1 Freq. (MHz)	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PLC BPSK	1	1	25.34	25.49	25.31		27.0	0.0
100	PLC BPSK	1	137	25.38	25.67	25.52		27.0	0.0
100	PLC BPSK	1	271	25.52	25.64	25.53		27.0	0.0
100	PLC BPSK	136	0	25.40	25.55	25.47	26.0	0.0	0.0
100	PLC BPSK	136	86	25.42	25.71	25.59	27.0	0.0	0.0
100	PLC BPSK	136	136	25.49	25.52	25.43	26.0	0.0	0.0
100	PLC BPSK	270	0	25.58	25.68	25.45		27.0	0.0
100	QPSK	1	1	25.55	25.57	25.55		27.0	0.0
100	QPSK	1	137	25.45	25.63	25.43		27.0	0.0
100	QPSK	1	271	25.51	25.43	25.35		27.0	0.0
100	QPSK	136	0	25.39	25.24	25.09	26.0	1.0	1.0
100	QPSK	136	86	25.44	25.60	25.50	27.0	0.0	0.0
100	QPSK	136	136	25.24	25.29	25.15	26.0	1.0	1.0
100	QPSK	270	0	25.23	25.38	25.31		26.0	1.0
100	MSKAM	1	1	25.13	25.18	25.13	26.0	1.0	1.0
100	MSKAM	1	1	23.22	23.83	23.71	24.0	2.0	2.0
100	MSKAM	1	1	22.08	22.88	22.94	22.0	4.0	4.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.52	25.53	25.45	27.0	0.0	0.0
50	QPSK	1	137	25.43	25.60	25.50	27.0	0.0	0.0
50	QPSK	1	271	25.40	25.58	25.50	27.0	0.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.46	25.69	25.50	27.0	0.0	0.0
70	QPSK	1	137	25.39	25.60	25.53	27.0	0.0	0.0
70	QPSK	1	271	25.49	25.58	25.64	27.0	0.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.49	25.67	25.58	27.0	0.0	0.0
50	QPSK	1	137	25.40	25.60	25.50	27.0	0.0	0.0
50	QPSK	1	271	25.49	25.59	25.65	27.0	0.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.48	25.69	25.61	27.0	0.0	0.0
40	QPSK	1	137	25.39	25.60	25.53	27.0	0.0	0.0
40	QPSK	1	271	25.49	25.58	25.64	27.0	0.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.38	25.58	25.61	27.0	0.0	0.0
30	QPSK	1	137	25.39	25.60	25.53	27.0	0.0	0.0
30	QPSK	1	271	25.49	25.58	25.64	27.0	0.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.42	25.56	25.57	27.0	0.0	0.0
20	QPSK	1	137	25.33	25.60	25.53	27.0	0.0	0.0
20	QPSK	1	271	25.42	25.56	25.57	27.0	0.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.44	25.68	25.58	27.0	0.0	0.0
10	QPSK	1	137	25.35	25.60	25.53	27.0	0.0	0.0
10	QPSK	1	271	25.48	25.70	25.55	27.0	0.0	0.0

Part27Q n77 PC3 Ant7 DSII2 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq. (MHz)	Power Max Ch.1 Freq. (MHz)	Power High Ch.1 Freq. (MHz)	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PLC BPSK	1	1	22.85					
100	PLC BPSK	1	137	22.78			24.0	0.0	0.0
100	PLC BPSK	1	271	22.77			24.0	0.0	0.0
100	PLC BPSK	136	0	22.40			23.0	0.0	0.0
100	PLC BPSK	136	86	22.79			23.0	0.0	0.0
100	PLC BPSK	136	136	22.38			23.0	0.0	0.0
100	PLC BPSK	270	0	22.44			24.0	0.0	0.0
100	QPSK	1	1	22.85			24.0	0.0	0.0
100	QPSK	1	137	22.73			24.0	0.0	0.0
100	QPSK	1	271	22.72			24.0	0.0	0.0
100	QPSK	136	0	21.84			23.0	1.0	1.0
100	QPSK	136	86	22.84			24.0	0.0	0.0
100	QPSK	136	136	21.85			23.0	1.0	1.0
100	QPSK	270	0	21.83			23.0	1.0	1.0
100	MSKAM	1	1	21.78			23.0	1.0	1.0
100	MSKAM	1	1	20.42			21.0	2.0	2.0
100	MSKAM	1	1	18.70			19.0	4.0	4.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.83	22.81	22.80	24.0	0.0	0.0
50	QPSK	1	137	22.74	22.80	22.80	24.0	0.0	0.0
50	QPSK	1	271	22.83	22.75	22.78	24.0	0.0	
50	QPSK	136	0	21.84	21.83	21.84	23.0	1.0	1.0
50	QPSK	136	86	22.84	22.83	22.84	24.0	0.0	0.0
50	QPSK	136	136	21.85	21.84	21.85	23.0	1.0	1.0
50	QPSK	270	0	21.83	21.82	21.83	23.0	1.0	1.0
50	MSKAM	1	1	21.78	21.77	21.78	23.0	1.0	1.0
50	MSKAM	1	1	20.42	20.41	20.42	21.0	2.0	2.0
50	MSKAM	1	1	18.70	18.69	18.70	19.0	4.0	4.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.84	22.84	22.89	24.0	0.0	0.0
25	QPSK	1	137	22.75	22.75	22.80	24.0	0.0	0.0
25	QPSK	1	271	22.84	22.79	22.84	24.0	0.0	0.0
25	QPSK	136	0	21.85	21.85	21.86	23.0	1.0	1.0
25	QPSK	136	86	22.85	22.84	22.86	24.0	0.0	0.0
25	QPSK	136	136	21.86	21.86	21.87	23.0	1.0	1.0
25	QPSK	270	0	21.84	21.84	21.85	23.0	1.0	1.0
25	MSKAM	1	1	21.79	21.79	21.80	23.0	1.0	1.0
25	MSKAM	1	1	20.43	20.43	20.44	21.0	2.0	2.0
25	MSKAM	1	1	18.71	18.71	18.72	19.0	4.0	4.0



Part270 n78 PC3 Ant7 DSi2 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch. 1 Freq. [MHz]	Power Main Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PSSBPSK	1	1	23.79	23.79				
100	PSSBPSK	1	137	23.88			24.0	0.0	
100	PSSBPSK	1	271	23.37					
100	PSSBPSK	135	0	23.28			23.5	0.5	
100	PSSBPSK	135	0	23.28			24.0	0.0	
100	PSSBPSK	135	136	23.14			23.5	0.5	
100	PSSBPSK	270	0	23.22					
100	QPSK	1	1	23.35					
100	QPSK	1	137	23.72			24.0	0.0	
100	QPSK	1	271	23.38					
100	QPSK	135	0	22.87			23.0	1.0	
100	QPSK	135	0	22.87			24.0	0.0	
100	QPSK	135	136	22.82			23.0	1.0	
100	QPSK	270	0	22.72					
100	MSKAM	1	1	22.96			23.0	1.0	
100	MSKAM	1	1	21.34			23.5	2.5	
100	MSKAM	1	1	18.26			19.0	4.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.71	23.78	23.73	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	23.78	23.75	23.72	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	23.72	23.74	23.82	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	23.77	23.78	23.62	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.71	23.74	23.37	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	23.80	23.80	23.81	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.71	23.78	23.88	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.74	23.74	23.79	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.75	23.86	23.77	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.72	23.89	23.78	24.0	0.0	

Part270 n78 PC2 Ant7 DSi2 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch. 1 Freq. [MHz]	Power Main Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PSSBPSK	1	1	23.79	23.79				
100	PSSBPSK	1	137	23.88			24.5	0.0	
100	PSSBPSK	1	271	23.33					
100	PSSBPSK	135	0	23.08			26.0	0.5	
100	PSSBPSK	135	0	23.08			26.5	0.0	
100	PSSBPSK	135	136	24.85			26.0	0.5	
100	PSSBPSK	270	0	23.71					
100	QPSK	1	1	23.22					
100	QPSK	1	137	23.84			24.5	0.0	
100	QPSK	1	271	23.35					
100	QPSK	135	0	23.07			25.5	1.0	
100	QPSK	135	0	23.07			26.5	0.0	
100	QPSK	135	136	24.86			25.5	1.0	
100	QPSK	270	0	23.41			25.5	1.0	
100	MSKAM	1	1	23.12			25.5	1.0	
100	MSKAM	1	1	23.72			24.0	2.5	
100	MSKAM	1	1	21.86			22.0	4.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.64	23.59	23.60	24.5	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	23.69	23.61	23.69	24.5	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	23.67	23.64	23.50	24.5	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	23.63	23.60	23.60	24.5	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.58	23.61	23.64	24.5	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	23.60	23.60	23.64	24.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.62	23.62	23.63	24.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.64	23.66	23.67	24.5	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.68	23.68	23.64	24.5	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.64	23.81	23.60	24.5	0.0	

Part270 n78 PC3 Ant7 DSi2 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch. Freq. [MHz]	Power Main Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PSSBPSK	1	1	23.73	23.73				
100	PSSBPSK	1	137	23.88			24.0	0.0	
100	PSSBPSK	1	271	23.65					
100	PSSBPSK	135	0	23.21			23.5	0.5	
100	PSSBPSK	135	0	23.21			24.0	0.0	
100	PSSBPSK	135	136	23.28			23.5	0.5	
100	PSSBPSK	270	0	23.20					
100	QPSK	1	1	23.35					
100	QPSK	1	137	23.73			24.0	0.0	
100	QPSK	1	271	23.62					
100	QPSK	135	0	22.88			23.0	1.0	
100	QPSK	135	0	22.88			24.0	0.0	
100	QPSK	135	136	22.78			23.0	1.0	
100	QPSK	270	0	22.72					
100	MSKAM	1	1	22.70			23.0	1.0	
100	MSKAM	1	1	21.14			21.5	2.5	
100	MSKAM	1	1	18.96			19.5	4.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.76	23.75	23.77	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	23.69	23.79	23.72	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	23.76	23.73	23.75	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	23.77	23.77	23.78	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.72	23.72	23.79	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	23.80	23.74	23.71	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.74	23.71	23.67	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.70	23.71	23.68	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	23.72	23.71	23.69	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.73	23.72	23.71	24.0	0.0	



Reduced Power for DSI3 Standalone

n2 Ant0 DSI3									
Bit Rate	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Min Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	20.05	20.20	20.30			
20	PUSC BPSK	1	55	20.05	20.16	19.98	21.1	0.0	
20	PUSC BPSK	1	104	19.95	20.06	19.95			
20	PUSC BPSK	55	1	20.05	20.20	20.30	21.1	0.0	
20	PUSC BPSK	55	55	20.17	20.15	20.00	21.1	0.0	
20	PUSC BPSK	55	104	19.94	20.05	19.95			
20	PUSC BPSK	105	5	20.07	20.24	20.10			
20	QPSK	1	1	20.27	20.30	20.18			
20	QPSK	1	55	20.24	20.36	20.12	21.1	0.0	
20	QPSK	1	104	20.05	20.16	20.04			
20	QPSK	55	1	20.11	20.20	20.00	21.1	0.0	
20	QPSK	55	55	20.11	20.12	20.07	21.1	0.0	
20	QPSK	55	104	19.96	20.05	19.95			
20	QPSK	105	5	20.11	20.26	20.11			
20	16QAM	1	1	20.10	20.14	20.03	21.1	0.0	
20	16QAM	1	1	19.96	20.06	19.99	21.1	0.0	
20	256QAM	1	1	19.79	19.97	19.77	20.5	0.0	
Channel				37.1200	37.6000	38.0000	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				37.1200	37.6000	38.0000			
15	QPSK	1	1	20.12	20.07	20.01	21.1	0.0	
Channel				38.1000	38.6000	39.1000	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				38.1000	38.6000	39.1000			
10	QPSK	1	1	20.12	20.07	20.01	21.1	0.0	
Channel				1832.5	1880	1907.5	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				1832.5	1880	1907.5			
5	QPSK	1	1	20.12	20.09	19.99	21.1	0.0	

n5 Ant0 DSI3									
Bit Rate	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Min Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	23.35	23.36	23.35			
20	PUSC BPSK	1	55	23.19	23.23	23.11	24.0	0.0	
20	PUSC BPSK	1	104	22.97	23.11	23.04			
20	PUSC BPSK	55	5	23.21	23.36	23.26	24.0	0.0	
20	PUSC BPSK	55	55	23.15	23.28	23.15	24.0	0.0	
20	PUSC BPSK	55	104	23.15	23.22	23.11			
20	PUSC BPSK	105	5	23.19	23.28	23.25			
20	QPSK	1	1	23.40	23.43	23.38			
20	QPSK	1	55	23.13	23.32	23.10	24.0	0.0	
20	QPSK	1	104	23.02	23.11	22.97			
20	QPSK	55	5	23.25	23.32	23.25	24.0	0.0	
20	QPSK	55	55	23.26	23.35	23.30	24.0	0.0	
20	QPSK	55	104	23.14	23.27	23.14			
20	QPSK	105	5	23.14	23.36	23.16			
20	16QAM	1	1	23.53	23.41	23.35	24.0	0.0	
20	16QAM	1	1	23.32	23.23	23.10	22.5	1.5	
20	256QAM	1	1	19.97	20.11	19.97	20.5	3.5	
Channel				1832.50	1875.00	1832.50	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				1832.50	1875.00	1832.50			
15	QPSK	1	1	23.28	23.34	23.30	24.0	0.0	
Channel				1855.00	1875.00	1855.00	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				1855.00	1875.00	1855.00			
10	QPSK	1	1	23.28	23.29	23.19	24.0	0.0	
Channel				1862.5	1862.5	1862.5	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				1862.5	1862.5	1862.5			
5	QPSK	1	1	23.24	23.37	23.25	24.0	0.0	

n7 Ant0 DSI3									
Bit Rate	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Min Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	22.25	22.29	22.23			
40	PUSC BPSK	1	105	22.19	22.30	22.26			
40	PUSC BPSK	1	214	22.20	22.25	22.20			
40	PUSC BPSK	105	5	22.18	22.27	22.23	23.5	0.0	
40	PUSC BPSK	105	54	22.24	22.38	22.21	23.5	0.0	
40	PUSC BPSK	105	105	22.21	22.28	22.21			
40	PUSC BPSK	215	5	22.22	22.34	22.26			
40	QPSK	1	1	22.53	22.58	22.54			
40	QPSK	1	105	22.18	22.36	22.19			
40	QPSK	1	214	22.19	22.28	22.20			
40	QPSK	105	5	22.18	22.28	22.21	23.5	0.0	
40	QPSK	105	54	22.18	22.29	22.22	23.5	0.0	
40	QPSK	105	105	22.19	22.22	22.22			
40	QPSK	215	5	22.21	22.34	22.24			
40	16QAM	1	1	22.15	22.31	22.20	23.5	0.0	
40	16QAM	1	1	21.78	21.83	21.74	22.5	1.0	
40	256QAM	1	1	19.96	19.92	19.93	20.5	3.0	
Channel				5030.00	5070.00	5110.00	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				5030.00	5070.00	5110.00			
30	PUSC BPSK	1	1	22.07	22.16	22.10	23.5	0.0	
Channel				5120.00	5150.00	5150.00	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				5120.00	5150.00	5150.00			
25	PUSC BPSK	1	1	22.09	22.19	22.17	23.5	0.0	
Channel				5171.5	5171.5	5171.5	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				5171.5	5171.5	5171.5			
20	QPSK	1	1	22.13	22.18	22.20	23.5	0.0	
Channel				5171.5	5171.5	5171.5	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				5171.5	5171.5	5171.5			
15	QPSK	1	1	22.09	22.23	22.18	23.5	0.0	
Channel				5170.00	5170.00	5170.00	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				5170.00	5170.00	5170.00			
10	QPSK	1	1	22.03	22.24	22.15	23.5	0.0	
Channel				5169.00	5170.00	5170.00	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				5169.00	5170.00	5170.00			
5	QPSK	1	1	22.02	22.24	22.21	23.5	0.0	

n66 Ant0 DSI3									
Bit Rate	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Min Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	19.23	19.29	19.27			
40	PUSC BPSK	1	105	19.17	19.31	19.23			
40	PUSC BPSK	1	214	19.19	19.27	19.27	20.7	0.0	0.0
40	PUSC BPSK	105	5	19.26	19.28	19.24	20.7	0.0	0.0
40	PUSC BPSK	105	54	19.19	19.32	19.20	20.7	0.0	0.0
40	PUSC BPSK	105	105	19.20	19.33	19.27			
40	PUSC BPSK	215	5	19.21	19.33	19.22			
40	QPSK	1	1	19.27	19.39	19.32			
40	QPSK	1	105	19.15	19.26	19.23			
40	QPSK	1	214	19.21	19.31	19.27			
40	QPSK	105	5	19.19	19.23	19.25	20.7	0.0	0.0
40	QPSK	105	54	19.11	19.20	19.20	20.7	0.0	0.0
40	QPSK	105	105	19.12	19.28	19.20			
40	QPSK	215	5	19.16	19.26	19.24			
40	16QAM	1	1	19.20	19.35	19.28	20.7	0.0	0.0
40	16QAM	1	1	19.18	19.26	19.26	20.7	0.0	0.0
40	256QAM	1	1	19.08	19.12	19.11	20.5	0.0	3.2
Channel				3450.00	3460.00	3450.00	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				3450.00	3460.00	3450.00			
30	PUSC BPSK	1	1	19.07	19.15	19.07	20.7	0.0	0.0
Channel				3450.00	3450.00	3450.00	Tune-up Int. (dB)	MFR (dB)	
30	Frequency (MHz)			3450.00	3450.00	3450.00			
30	QPSK	1	1	19.14	19.24	19.19	20.7	0.0	0.0
30	QPSK	1	105	19.11	19.21	19.16	20.7	0.0	0.0
30	QPSK	1	214	19.13	19.23	19.18	20.7	0.0	0.0
30	QPSK	105	5	19.17	19.27	19.22	20.7	0.0	0.0
30	QPSK	105	54	19.11	19.30	19.20	20.7	0.0	0.0
30	QPSK	105	105	19.12	19.31	19.21			
30	QPSK	215	5	19.16	19.26	19.24			
30	16QAM	1	1	19.19	19.34	19.26	20.7	0.0	0.0
30	16QAM	1	1	19.17	19.27	19.27	20.7	0.0	0.0
30	256QAM	1	1	19.07	19.11	19.09	20.5	0.0	3.2
Channel				3450.00	3460.00	3450.00	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				3450.00	3460.00	3450.00			
15	PUSC BPSK	1	1	19.07	19.15	19.07	20.7	0.0	0.0
Channel				3450.00	3450.00	3450.00	Tune-up Int. (dB)	MFR (dB)	
15	Frequency (MHz)			3450.00	3450.00	3450.00			
15	QPSK	1	1	19.07	19.15	19.07	20.7	0.0	0.0
15	QPSK	1	105	19.07	19.15	19.07	20.7	0.0	0.0
15	QPSK	1	214	19.07	19.15	19.07	20.7	0.0	0.0
15	QPSK	105	5	19.07	19.15	19.07	20.7	0.0	0.0
15	QPSK	105	54	19.07	19.15	19.07	20.7	0.0	0.0
15	QPSK	105	105	19.07	19.15	19.07	20.7	0.0	0.0
15	QPSK	215	5	19.07	19.15	19.07	20.7	0.0	0.0
15	16QAM	1	1	19.07	19.15	19.07	20.7	0.0	0.0
15	16QAM	1	1	19.07	19.15	19.07	20.7	0.0	0.0
15	256QAM	1	1	19.07	19.15	19.07	20.7	0.0	0.0
Channel				3450.00	3460.00	3450.00	Tune-up Int. (dB)	MFR (dB)	
Frequency (MHz)				3450.00	3460.00	3450.00			
5	PUSC BPSK	1	1	19.07	19.15	19.07	20.7	0.0	0.0

n41 PC3&PC2 Ant0 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	23.1	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.33	21.54	21.38		
100	PI/2 BPSK	1	137	21.37	21.48	21.40		
100	PI/2 BPSK	1	271	21.25	21.42	21.22	23.1	0.0
100	PI/2 BPSK	135	0	21.37	21.64	21.35		
100	PI/2 BPSK	135	69	21.41	21.56	21.35		
100	PI/2 BPSK	135	138	21.36	21.62	21.34		
100	PI/2 BPSK	270	0	21.42	21.55	21.39	23.1	0.0
100	QPSK	1	1	21.48	21.68	21.50		
100	QPSK	1	137	21.43	21.54	21.46		
100	QPSK	1	271	21.38	21.56	21.35		
100	QPSK	135	0	21.44	21.61	21.48	23.1	0.0
100	QPSK	135	69	21.41	21.65	21.41		
100	QPSK	135	138	21.32	21.53	21.26		
100	QPSK	270	0	21.38	21.62	21.44		
100	16QAM	1	1	21.36	21.53	21.45	23.1	0.0
100	64QAM	1	1	21.35	21.45	21.41		
100	256QAM	1	1	21.22	21.46	21.22		
100	256QAM	1	1	21.22	21.46	21.22		
Channel				509200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.34	21.41	21.21	23.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.31	21.51	21.28	23.1	0.0
Channel				509202	518598	531090	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.33	21.42	21.19	23.1	0.0
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.29	21.45	21.23	23.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.36	21.45	21.19	23.1	0.0
Channel				509202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.28	21.41	21.22	23.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.32	21.46	21.21	23.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.33	21.50	21.22	23.1	0.0



n2 Ant1 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Power Low Ch. 2 (W)	Power Max Ch. 2 (W)	Power High Ch. 2 (W)
Channel									
20	PUSC-BPSK	1	1	17.63	17.69	17.67			
20	PUSC-BPSK	1	53	17.63	17.59	17.52	18.7	0.0	
20	PUSC-BPSK	1	104	17.63	17.59	17.59			
20	PUSC-BPSK	50	0	17.60	17.67	17.67	18.7	0.0	
20	PUSC-BPSK	50	26	17.60	17.66	17.66	18.7	0.0	
20	PUSC-BPSK	50	56	17.60	17.61	17.61	18.7	0.0	
20	PUSC-BPSK	100	0	17.61	17.63	17.61			
20	QPSK	1	1	17.72	17.74	17.68			
20	QPSK	1	53	17.68	17.60	17.52	18.7	0.0	
20	QPSK	1	104	17.60	17.66	17.66			
20	QPSK	50	0	17.61	17.60	17.62	18.7	0.0	
20	QPSK	50	26	17.64	17.65	17.60	18.7	0.0	
20	QPSK	50	56	17.56	17.61	17.52	18.7	0.0	
20	QPSK	100	0	17.60	17.61	17.60			
20	8QAM	1	1	17.60	17.66	17.66	18.7	0.0	
20	8QAM	1	1	17.61	17.70	17.60	18.7	0.0	
20	256QAM	1	1	17.61	17.67	17.66	18.7	0.0	
Channel									
10	QPSK	1	1	17.63	17.60	17.61			
Channel									
10	QPSK	1	1	17.63	17.60	17.60			
Channel									
5	QPSK	1	1	17.63	17.61	17.60	18.7	0.0	

n5 Ant1 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Power Low Ch. 2 (W)	Power Max Ch. 2 (W)	Power High Ch. 2 (W)
Channel									
20	PUSC-BPSK	1	1	23.04	23.11	23.01			
20	PUSC-BPSK	1	53	22.85	22.84	22.85	24.0	0.0	
20	PUSC-BPSK	1	104	23.03	22.87	22.85			
20	PUSC-BPSK	50	0	23.04	23.11	23.00	24.0	0.0	
20	PUSC-BPSK	50	26	23.04	23.06	23.00	24.0	0.0	
20	PUSC-BPSK	50	56	22.89	22.98	22.87	24.0	0.0	
20	PUSC-BPSK	100	0	23.05	23.03	22.98			
20	QPSK	1	1	23.14	23.16	22.95			
20	QPSK	1	53	22.92	22.95	22.87	24.0	0.0	
20	QPSK	1	104	23.14	22.86	22.70			
20	QPSK	50	0	22.99	23.03	22.95	24.0	0.0	
20	QPSK	50	26	23.05	23.12	22.99	24.0	0.0	
20	QPSK	50	56	22.86	22.96	22.87	24.0	0.0	
20	QPSK	100	0	22.99	23.00	22.99			
20	8QAM	1	1	23.00	23.06	23.00	24.0	0.0	
20	8QAM	1	1	23.00	23.12	23.05	22.5	1.5	
20	256QAM	1	1	19.74	19.88	19.79	20.5	0.5	
Channel									
10	QPSK	1	1	23.12	23.10	23.00			
Channel									
10	QPSK	1	1	23.00	23.03	22.97	24.0	0.0	
Channel									
5	QPSK	1	1	23.10	23.08	22.95	24.0	0.0	

n7 Ant1 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Power Low Ch. 2 (W)	Power Max Ch. 2 (W)	Power High Ch. 2 (W)
Channel									
40	PUSC-BPSK	1	1	17.59	17.57	17.49			
40	PUSC-BPSK	1	108	17.58	17.51	17.45	18.9	0.0	
40	PUSC-BPSK	1	214	17.51	17.49	17.45			
40	PUSC-BPSK	108	0	17.58	17.53	17.45	18.9	0.0	
40	PUSC-BPSK	108	54	17.51	17.54	17.43	18.9	0.0	
40	PUSC-BPSK	108	104	17.53	17.48	17.47	18.9	0.0	
40	PUSC-BPSK	216	0	17.49	17.47	17.40			
40	QPSK	1	1	17.46	17.52	17.53			
40	QPSK	1	108	17.53	17.50	17.40	18.9	0.0	
40	QPSK	1	214	17.58	17.54	17.49			
40	QPSK	108	0	17.57	17.51	17.49	18.9	0.0	
40	QPSK	108	54	17.51	17.50	17.45	18.9	0.0	
40	QPSK	108	108	17.54	17.47	17.43	18.9	0.0	
40	QPSK	216	0	17.50	17.51	17.44	18.9	0.0	
40	8QAM	1	1	17.51	17.54	17.49	18.9	0.0	
40	8QAM	1	1	17.50	17.58	17.49	18.9	0.0	
40	256QAM	1	1	17.51	17.49	17.51	18.9	0.0	
Channel									
20	PUSC-BPSK	1	1	17.23	17.40	17.23	18.9	0.0	
Channel									
20	PUSC-BPSK	1	1	17.27	17.41	17.28	18.9	0.0	
Channel									
20	QPSK	1	1	17.24	17.40	17.28	18.9	0.0	
Channel									
15	QPSK	1	1	17.27	17.35	17.25	18.9	0.0	
Channel									
10	QPSK	1	1	17.27	17.43	17.27	18.9	0.0	
Channel									
5	QPSK	1	1	17.23	17.33	17.28	18.9	0.0	

n66 Ant1 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Power Low Ch. 2 (W)	Power Max Ch. 2 (W)	Power High Ch. 2 (W)
Channel									
40	PUSC-BPSK	1	1	17.31	17.47	17.42			
40	PUSC-BPSK	1	108	17.33	17.47	17.44	18.7	0.0	
40	PUSC-BPSK	1	214	17.31	17.44	17.35			
40	PUSC-BPSK	108	0	17.38	17.53	17.50	18.7	0.0	
40	PUSC-BPSK	108	54	17.36	17.40	17.38	18.7	0.0	
40	PUSC-BPSK	108	104	17.34	17.47	17.38	18.7	0.0	
40	PUSC-BPSK	216	0	17.29	17.51	17.41			
40	QPSK	1	1	17.44	17.50	17.49			
40	QPSK	1	108	17.50	17.44	17.47	18.7	0.0	
40	QPSK	1	214	17.34	17.50	17.34			
40	QPSK	108	0	17.30	17.51	17.34	18.7	0.0	
40	QPSK	108	54	17.30	17.50	17.42	18.7	0.0	
40	QPSK	108	108	17.28	17.45	17.41	18.7	0.0	
40	QPSK	216	0	17.51	17.51	17.42	18.7	0.0	
40	8QAM	1	1	17.36	17.51	17.28	18.7	0.0	
40	8QAM	1	1	17.30	17.51	17.45	18.7	0.0	
40	256QAM	1	1	17.30	17.52	17.45	18.7	0.0	
Channel									
20	PUSC-BPSK	1	1	17.24	17.40	17.23	18.7	0.0	
Channel									
20	PUSC-BPSK	1	1	17.21	17.36	17.28	18.7	0.0	
Channel									
10	QPSK	1	1	17.21	17.43	17.29	18.7	0.0	
Channel									
5	QPSK	1	1	17.28	17.44	17.31	18.7	0.0	

n41 PC3&PC2 Ant1 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.84	17.95	17.92	19.0	0.0
100	PI/2 BPSK	1	137	17.80	17.87	17.89		
100	PI/2 BPSK	1	271	17.78	17.89	17.82	19.0	0.0
100	PI/2 BPSK	135	0	17.79	17.89	17.90		
100	PI/2 BPSK	135	69	17.72	17.95	17.83	19.0	0.0
100	PI/2 BPSK	135	138	17.76	17.87	17.87		
100	PI/2 BPSK	270	0	17.79	17.87	17.81	19.0	0.0
100	QPSK	1	1	17.86	18.01	17.96		
100	QPSK	1	137	17.83	17.95	17.87	19.0	0.0
100	QPSK	1	271	17.74	17.92	17.83		
100	QPSK	135	0	17.83	17.93	17.85	19.0	0.0
100	QPSK	135	69	17.74	17.95	17.83		
100	QPSK	135	138	17.73	17.87	17.82	19.0	0.0
100	QPSK	270	0	17.82	17.85	17.82		
100	16QAM	1	1	17.72	17.90	17.90	19.0	0.0
100	64QAM	1	1	17.74	17.93	17.82	19.0	0.0
100	256QAM	1	1	17.79	17.90	17.85	19.0	0.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.64	17.85	17.74	19.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.75	17.83	17.78	19.0	0.0
Channel				506202	518598	531090	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.64	17.77	17.82	19.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.64	17.75	17.78	19.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.64	17.74	17.72	19.0	0.0
Channel				503202	518598	534090	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.75	17.84	17.72	19.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.65	17.78	17.76	19.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.65	17.85	17.77	19.0	0.0

Par270 n77 PC3&PC2 Ant2 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3760	3840	3930	22.4	0.0
Frequency (MHz)				20.76	20.91	20.84		
100	PI/2 BPSK	1	1	20.76	20.91	20.84		
100	PI/2 BPSK	1	137	20.84	20.94	20.84		
100	PI/2 BPSK	1	271	20.78	20.84	20.70	22.4	0.0
100	PI/2 BPSK	135	0	20.86	20.92	20.81		
100	PI/2 BPSK	135	69	20.85	20.90	20.76		
100	PI/2 BPSK	135	138	20.76	20.84	20.77		
100	PI/2 BPSK	270	0	20.79	20.85	20.74	22.4	0.0
100	QPSK	1	1	20.82	21.09	20.77		
100	QPSK	1	137	20.81	21.00	20.75		
100	QPSK	1	271	20.82	20.89	20.70		
100	QPSK	135	0	20.76	20.81	20.75	22.4	0.0
100	QPSK	135	69	20.76	20.86	20.81		
100	QPSK	135	138	20.70	20.80	20.66		
100	QPSK	270	0	20.69	20.82	20.76		
100	16QAM	1	1	20.65	20.76	20.71	22.4	0.0
100	64QAM	1	1	20.91	20.96	20.84		
100	256QAM	1	1	20.90	20.95	20.85		
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	22.4	0.0
90	QPSK	1	1	20.83	20.80	20.76		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	22.4	0.0
80	QPSK	1	1	20.86	20.80	20.79		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	22.4	0.0
70	QPSK	1	1	20.75	20.91	20.73		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	22.4	0.0
60	QPSK	1	1	20.77	20.89	20.70		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	22.4	0.0
50	QPSK	1	1	20.85	20.83	20.73		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	22.4	0.0
40	QPSK	1	1	20.81	20.85	20.71		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	22.4	0.0
30	QPSK	1	1	20.75	20.82	20.72		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	22.4	0.0
20	QPSK	1	1	20.80	20.82	20.75		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	22.4	0.0
15	QPSK	1	1	20.77	20.80	20.72		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	22.4	0.0
10	QPSK	1	1	20.76	20.90	20.79		

Part27Q n77 PC3&PC2 Ant2 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	635000	22.4	0.0
Frequency (MHz)				21.03	21.16	21.08		
100	PI/2 BPSK	1	1	21.03	21.16	21.08		
100	PI/2 BPSK	1	137	21.04	21.21	21.03		
100	PI/2 BPSK	1	271	21.02	21.20	21.06	22.4	0.0
100	PI/2 BPSK	135	0	21.09	21.20	21.07		
100	PI/2 BPSK	135	69	21.09	21.16	21.10		
100	PI/2 BPSK	135	138	21.07	21.10	21.03		
100	PI/2 BPSK	270	0	21.02	21.14	21.01	22.4	0.0
100	QPSK	1	1	21.15	21.25	21.17		
100	QPSK	1	137	21.00	21.16	21.11		
100	QPSK	1	271	21.01	21.11	21.10		
100	QPSK	135	0	21.03	21.10	21.11	22.4	0.0
100	QPSK	135	69	21.01	21.21	21.01		
100	QPSK	135	138	21.03	21.13	21.11		
100	QPSK	270	0	21.05	21.11	21.08		
100	16QAM	1	1	21.08	21.16	21.02	22.4	0.0
100	64QAM	1	1	21.00	21.14	21.11		
100	256QAM	1	1	21.01	21.10	21.11		
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	22.4	0.0
90	QPSK	1	1	20.96	21.08	20.92		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	22.4	0.0
80	QPSK	1	1	20.93	21.10	20.87		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	22.4	0.0
70	QPSK	1	1	20.90	21.03	20.95		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	22.4	0.0
60	QPSK	1	1	20.97	21.02	20.87		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	22.4	0.0
50	QPSK	1	1	20.87	21.08	20.86		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	22.4	0.0
40	QPSK	1	1	20.90	21.07	20.89		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	22.4	0.0
30	QPSK	1	1	20.95	20.98	20.97		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	22.4	0.0
20	QPSK	1	1	20.92	21.08	20.90		
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	22.4	0.0
15	QPSK	1	1	20.89	20.99	20.91		
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	22.4	0.0
10	QPSK	1	1	20.97	21.08	20.95		

Part270 n78 PC3&PC2 Ant2 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	20.56	20.70	20.88	22.4	0.0	
100	PI/2 BPSK	1	137	20.70	20.79	20.69			
100	PI/2 BPSK	1	271	20.56	20.65	20.58			
100	PI/2 BPSK	135	0	20.66	20.68	20.58			
100	PI/2 BPSK	135	69	20.64	20.75	20.52	22.4	0.0	
100	PI/2 BPSK	135	138	20.58	20.59	20.60	22.4	0.0	
100	PI/2 BPSK	270	0	20.64	20.68	20.52			
100	QPSK	1	1	20.60	20.65	20.59			
100	QPSK	1	137	20.56	20.75	20.58			
100	QPSK	1	271	20.58	20.71	20.55	22.4	0.0	
100	QPSK	135	0	20.59	20.65	20.53	22.4	0.0	
100	QPSK	135	69	20.59	20.69	20.57			
100	QPSK	135	138	20.44	20.57	20.42			
100	QPSK	270	0	20.55	20.64	20.55			
100	16QAM	1	1	20.42	20.56	20.54	22.4	0.0	
100	64QAM	1	1	20.69	20.74	20.69	22.4	0.0	
100	256QAM	1	1	20.71	20.79	20.66	22.4	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	20.49	20.73	20.45	22.4	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	20.50	20.73	20.48	22.4	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.45	20.75	20.44	22.4	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	20.49	20.76	20.48	22.4	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	20.51	20.73	20.47	22.4	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.46	20.76	20.44	22.4	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	20.48	20.73	20.46	22.4	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.48	20.73	20.45	22.4	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	20.47	20.71	20.48	22.4	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	20.50	20.71	20.45	22.4	0.0	

Part27Q 78 PC3&PC2 Ant2 DS13									
BW [MHz]	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	20.88	21.08	20.95		22.4	0.0
100	PI/2 BPSK	1	137	20.99	21.15	20.92			
100	PI/2 BPSK	1	271	20.90	21.10	20.94			
100	PI/2 BPSK	135	0	20.99	21.05	20.93	22.4		
100	PI/2 BPSK	135	69	20.95	21.10	20.97	22.4	0.0	0.0
100	PI/2 BPSK	135	138	21.03	21.05	20.92			
100	PI/2 BPSK	270	0	20.98	21.03	20.86			
100	QPSK	1	1	21.01	21.17	21.09			
100	QPSK	1	137	20.92	21.05	21.06	22.4	0.0	0.0
100	QPSK	1	271	20.97	21.00	20.97			
100	QPSK	135	0	20.89	20.95	21.02	22.4		
100	QPSK	135	69	20.96	21.09	20.95	22.4		
100	QPSK	135	138	20.96	21.01	20.98	22.4	0.0	0.0
100	QPSK	270	0	20.93	21.05	21.01			
100	16QAM	1	1	20.96	21.04	20.92	22.4		
100	64QAM	1	1	20.89	21.03	21.01	22.4		
100	256QAM	1	1	20.85	20.96	21.03	22.4	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	20.81	20.91	20.98	22.4	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	20.78	20.84	20.89	22.4	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	20.77	20.83	20.91	22.4	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	20.76	20.84	20.93	22.4	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	20.74	20.86	20.92	22.4	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	20.74	20.90	20.92	22.4	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	20.82	20.80	20.91	22.4	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	20.77	20.88	20.96	22.4	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	20.77	20.81	20.96	22.4	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	20.80	20.83	20.87	22.4	0.0	

n41 PC3&PC2 Ant3 DSI3											
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Media Ch. Power (dBm)	Power High Ch. Power (dBm)	Turn-up time (dBm)	SINR (dB)			
Channel											
Frequency (MHz)											
100	PL2-BPSK	1	1	19.25	19.28	19.23					
100	PL2-BPSK	1	137	19.25	19.33	19.13	20.8	0.0			
100	PL2-BPSK	1	211	19.19	19.22	19.19					
100	PL2-BPSK	136	0	19.28	19.31	19.25	20.9	0.0			
100	PL2-BPSK	136	48	19.19	19.24	19.19	20.9	0.0			
100	PL2-BPSK	136	136	19.19	19.31	19.24	20.9	0.0			
100	PL2-BPSK	276	0	19.34	19.36	19.19					
100	QPSK	1	1	19.38	19.44	19.32	20.8	0.0			
100	QPSK	1	137	19.28	19.39	19.24	20.8				
100	QPSK	1	211	19.21	19.21	19.26					
100	QPSK	136	0	19.25	19.28	19.24	20.9	0.0			
100	QPSK	136	48	19.25	19.30	19.12	20.8	0.0			
100	QPSK	136	136	19.19	19.31	19.19	20.9	0.0			
100	QPSK	276	0	19.25	19.31	19.17	20.9	0.0			
100	8QAM	1	1	19.26	19.26	19.19	20.9	0.0			
100	8QAM	1	1	19.19	19.24	19.21	20.9	0.0			
100	25QAM	1	1	19.24	19.35	19.24	20.9	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	19.13	19.15	19.14	21.1	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	19.12	19.24	19.11	20.9	0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	19.09	19.23	19.07	20.9	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	19.08	19.28	19.11	20.9	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	19.05	19.18	19.08	20.9	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	19.01	19.09	19.01	20.9	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	19.12	19.22	19.08	20.9	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	19.09	19.21	19.19	20.9	0.0			

Par270 n77 DSI3 ANT3											
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Media Ch. Power (dBm)	Power High Ch. Power (dBm)	Turn-up time (dBm)	SINR (dB)			
Channel											
Frequency (MHz)											
100	PL2-BPSK	1	1	22.12	22.03	22.13					
100	PL2-BPSK	1	137	22.13	22.15	22.02	24.0	0.0			
100	PL2-BPSK	1	211	22.12	22.18	22.11					
100	PL2-BPSK	136	0	22.07	22.38	22.07	23.9	0.0			
100	PL2-BPSK	136	48	22.03	22.07	22.02	24.0	0.0			
100	PL2-BPSK	136	136	22.09	22.38	22.04	23.9	0.0			
100	PL2-BPSK	276	0	22.03	22.45	22.35					
100	QPSK	1	1	22.14	22.03	22.11					
100	QPSK	1	137	22.05	22.04	22.06	24.0	0.0			
100	QPSK	1	211	22.19	22.07	22.05					
100	QPSK	136	0	22.01	22.08	22.04	23.9	1.0			
100	QPSK	136	48	22.19	22.07	22.04	24.0	0.0			
100	QPSK	136	136	22.05	22.01	22.05	23.9	1.0			
100	QPSK	276	0	22.10	22.11	22.09					
100	8QAM	1	1	22.04	22.06	22.01	24.0	1.0			
100	8QAM	1	1	20.24	20.33	20.30	21.5	2.0			
100	25QAM	1	1	18.18	18.36	18.21	19.5	4.5			
Channel											
Frequency (MHz)											
80	QPSK	1	1	22.12	22.11	22.03	24.0	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	22.05	22.19	22.19	24.0	0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	22.02	22.09	22.05	24.0	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	22.09	22.17	22.03	24.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	22.08	22.08	22.07	24.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	22.01	22.03	22.01	24.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.18	22.19	22.09	24.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.19	22.18	22.04	24.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.09	22.04	22.05	24.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.02	22.09	22.05	24.0	0.0			

Par270 n77 PC2 Ant3 DSI3									
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Media Ch. Power (dBm)	Power High Ch. Power (dBm)	Turn-up time (dBm)	SINR (dB)	
Channel									
Frequency (MHz)									
100	PL2-BPSK	1	1	22.90	22.90	22.90			
100	PL2-BPSK	1	137	22.88	22.95	22.77	24.0	0.0	
100	PL2-BPSK	1	211	22.79	22.89	22.79			
100	PL2-BPSK	136	0	22.89	23.02	22.84	24.0	0.0	
100	PL2-BPSK	136	48	22.88	22.96	22.73	24.0	0.0	
100	PL2-BPSK	136	136	22.89	22.83	22.75	24.0	0.0	
100	PL2-BPSK	276	0	22.93	23.02	22.88			
100	QPSK	1	1	23.01	23.08	22.98			
100	QPSK	1	137	22.95	23.03	22.83	24.0	0.0	
100	QPSK	1	211	22.98	22.98	22.97			
100	QPSK	136	0	22.94	22.95	22.83	24.0	0.0	
100	QPSK	136	48	22.87	23.04	22.77	24.0	0.0	
100	QPSK	136	136	22.79	22.84	22.77	24.0	0.0	
100	QPSK	276	0	22.94	22.98	22.83	24.0	0.0	
100	8QAM	1	1	22.98	22.92	22.73	24.0	0.0	
100	8QAM	1	1	22.79	22.90	22.71	24.0	0.0	
100	25QAM	1	1	21.77	21.83	21.71	23.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.79	22.89	22.73	24.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.82	22.99	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.77	22.88	22.69	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.77	22.88	22.69	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.83	22.91	22.65	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.79	22.92	22.68	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.79	22.94	22.63	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.84	22.94	22.62	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.84	22.94	22.62	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.88	22.94	22.61	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.76	22.90	22.57	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.83	22.96	22.59	24.0	0.0	



Part27Q n77 DS13 ANT3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (dBm)	Power Max Ch. 1 (dBm)	Power High Ch. 1 (dBm)	Turn-up time (dBm)	MFR (dB)	
Channel									
100	P13 BPSK	1	1	22.49				24.0	0.0
100	P13 BPSK	1	137	22.53					
100	P13 BPSK	1	211	22.48					
100	P13 BPSK	135	0	22.58				23.5	0.5
100	P13 BPSK	135	86	22.55				24.0	0.0
100	P13 BPSK	135	138	21.38				23.5	0.5
100	P13 BPSK	270	0	22.21					
100	QPSK	1	1	22.60					
100	QPSK	1	137	22.55				24.0	0.0
100	QPSK	1	211	22.57					
100	QPSK	135	0	22.59				24.0	0.0
100	QPSK	135	86	22.55				24.0	0.0
100	QPSK	135	138	22.63				24.0	0.0
100	QPSK	270	0	22.55					
100	16QAM	1	1	21.73				24.0	0.5
100	64QAM	1	1	20.17				21.5	2.0
100	256QAM	1	1	17.98				19.5	4.5
Channel									
Frequency (MHz)				63300	63334	63366	Turn-up time (dBm)	MFR (dB)	
Channel				3465	3600.01	3700.02			
40	QPSK	1	1	22.22	22.16	22.19	24.0	0.0	
Channel									
Frequency (MHz)				63366	63334	63366	Turn-up time (dBm)	MFR (dB)	
Channel				3474.0	3478.0	3482.0			
40	QPSK	1	1	25.12	25.18	25.13	24.0	0.0	
Channel									
Frequency (MHz)				63334	63334	63334	Turn-up time (dBm)	MFR (dB)	
Channel				3466.01	3466.01	3466.01			
70	QPSK	1	1	25.15	25.18	25.17	24.0	0.0	
Channel									
Frequency (MHz)				63200	63334	63468	Turn-up time (dBm)	MFR (dB)	
Channel				3460	3600.01	3620.02			
80	QPSK	1	1	25.11	25.19	25.16	24.0	0.0	
Channel									
Frequency (MHz)				63366	63366	63366	Turn-up time (dBm)	MFR (dB)	
Channel				3470.02	3480.01	3490.0			
90	QPSK	1	1	25.21	25.19	25.13	24.0	0.0	
Channel									
Frequency (MHz)				63334	63334	63334	Turn-up time (dBm)	MFR (dB)	
Channel				3470.01	3470.01	3470.01			
40	QPSK	1	1	25.23	25.16	25.23	24.0	0.0	
Channel									
Frequency (MHz)				63300	63334	63368	Turn-up time (dBm)	MFR (dB)	
Channel				3460.01	3460.01	3460			
30	QPSK	1	1	25.17	25.14	25.13	24.0	0.0	
Channel									
Frequency (MHz)				63066	63334	63600	Turn-up time (dBm)	MFR (dB)	
Channel				3460.01	3460.01	3460			
20	QPSK	1	1	25.22	25.26	25.13	24.0	0.0	
Channel									
Frequency (MHz)				63000	63334	63478	Turn-up time (dBm)	MFR (dB)	
Channel				3450.5	3600.01	3624.02			
15	QPSK	1	1	25.13	25.20	25.20	24.0	0.0	
Channel									
Frequency (MHz)				63034	63334	63634	Turn-up time (dBm)	MFR (dB)	
Channel				3450.01	3600.01	3624.01			
10	QPSK	1	1	25.20	25.20	25.17	24.0	0.0	

Part27Q n77 PC2 Ant3 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (dBm)	Power Max Ch. 1 (dBm)	Power High Ch. 1 (dBm)	Power High Ch. 2 (dBm)	Turn-up time (dBm)	MFR (dB)
Channel									
100	P13 BPSK	1	1	22.83				24.0	0.0
100	P13 BPSK	1	137	22.83					
100	P13 BPSK	1	211	22.72					
100	P13 BPSK	135	0	22.82				24.0	0.0
100	P13 BPSK	135	86	22.82				24.5	0.5
100	P13 BPSK	135	138	22.82				24.0	0.0
100	P13 BPSK	270	0	22.92					
100	QPSK	1	1	22.88					
100	QPSK	1	137	22.88				24.0	0.0
100	QPSK	1	211	22.87					
100	QPSK	135	0	22.82				24.0	0.0
100	QPSK	135	86	22.91				24.0	0.0
100	QPSK	135	138	22.76				24.0	0.0
100	QPSK	270	0	22.85					
100	8QAM	1	1	22.76				24.5	0.5
100	8QAM	1	1	22.88				24.0	0.0
100	256QAM	1	1	21.94				23.0	1.0
Channel									
Frequency (MHz)				63300	63334	63368	Turn-up time (dBm)	MFR (dB)	
Channel				3465	3600.01	3700.02			
40	QPSK	1	1	22.07	22.42	22.78	24.0	0.0	
Channel									
Frequency (MHz)				63366	63334	63366	Turn-up time (dBm)	MFR (dB)	
Channel				3474.0	3478.0	3482.0			
40	QPSK	1	1	22.20	22.33	22.23	24.0	0.0	
Channel									
Frequency (MHz)				63334	63334	63334	Turn-up time (dBm)	MFR (dB)	
Channel				3466.01	3466.01	3466.01			
70	QPSK	1	1	22.26	22.42	22.23	24.0	0.0	
Channel									
Frequency (MHz)				63200	63334	63468	Turn-up time (dBm)	MFR (dB)	
Channel				3460	3600.01	3620.02			
80	QPSK	1	1	22.19	22.41	22.24	24.0	0.0	
Channel									
Frequency (MHz)				63366	63366	63366	Turn-up time (dBm)	MFR (dB)	
Channel				3470.02	3480.01	3490.0			
90	QPSK	1	1	22.18	22.42	22.16	24.0	0.0	
Channel									
Frequency (MHz)				63334	63334	63334	Turn-up time (dBm)	MFR (dB)	
Channel				3470.01	3470.01	3470.01			
40	QPSK	1	1	22.24	22.46	22.78	24.0	0.0	
Channel									
Frequency (MHz)				63300	63334	63368	Turn-up time (dBm)	MFR (dB)	
Channel				3460.01	3460.01	3460			
30	QPSK	1	1	22.19	22.40	22.20	24.0	0.0	
Channel									
Frequency (MHz)				63066	63334	63600	Turn-up time (dBm)	MFR (dB)	
Channel				3460.01	3460.01	3460			
20	QPSK	1	1	22.18	22.35	22.18	24.0	0.0	
Channel									
Frequency (MHz)				63000	63334	63478	Turn-up time (dBm)	MFR (dB)	
Channel				3450.5	3600.01	3624.02			
15	QPSK	1	1	22.20	22.40	22.23	24.0	0.0	
Channel									
Frequency (MHz)				63034	63334	63634	Turn-up time (dBm)	MFR (dB)	
Channel				3450.01	3600.01	3624.01			
10	QPSK	1	1	22.15	22.38	22.20	24.0	0.0	

Part27O n78 DS13 ANT3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (dBm)	Power Max Ch. 1 (dBm)	Power High Ch. 1 (dBm)	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	P13 BPSK	1	1	22.84				24.0	0.0
100	P13 BPSK	1	137	22.83					
100	P13 BPSK	1	211	22.89					
100	P13 BPSK	135	0	22.45				23.5	0.5
100	P13 BPSK	135	86	22.56				24.5	0.5
100	P13 BPSK	135	138	22.52				23.5	0.5
100	P13 BPSK	270	0	22.48					
100	QPSK	1	1	22.97					
100	QPSK	1	137	22.84				24.0	0.0
100	QPSK	1	211	22.95					
100	QPSK	135	0	22.95				24.0	0.0
100	QPSK	135	86	22.86				24.0	0.0
100	QPSK	135	138	22.86				24.0	0.0
100	QPSK	270	0	22.95					
100	16QAM	1	1	22.14				23.0	1.0
100	64QAM	1	1	20.81				21.5	2.5
100	256QAM	1	1	18.36					
Channel									
Frequency (MHz)				64000	6	64004		14.0	MFR
30	QPSK	1	1	22.58	22.67	22.74	24.0	0.0	
Channel				64024					
30	QPSK	1	1	22.58	22.67	22.74	24.0	0.0	MFR
80	QPSK	1	1	22.92	22.95	22.93	24.0	0.0	
Channel									
Frequency (MHz)				64000	6	65000		14.0	MFR
70	QPSK	1	1	22.93	22.92	22.93	24.0	0.0	
Channel									
Frequency (MHz)				64000	6	65204		14.0	MFR
80	QPSK	1	1	22.91	22.92	22.92	24.0	0.0	
Channel									
Frequency (MHz)				64024					
50	QPSK	1	1	22.83	22.85	22.85	24.0	0.0	
Channel									
Frequency (MHz)				3750	3750	3750			
40	QPSK	1	1	22.85	22.82	22.78	24.0	0.0	
Channel									
Frequency (MHz)				64000	6	64716		14.0	MFR
30	QPSK	1	1	22.64	22.66	22.61	24.0	0.0	
Channel									
Frequency (MHz)				64024					
20	QPSK	1	1	22.63	22.65	22.57	24.0	0.0	
Channel									
Frequency (MHz)				64716	6	65004		14.0	MFR
15	QPSK	1	1	22.69	22.67	22.74	24.0	0.0	
Channel									
Frequency (MHz)				64000	6	65800		14.0	MFR
10	QPSK	1	1	22.66	22.62	22.58	24.0	0.0	

Part27Q n78 DSI3 ANT3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak EIRP(dBm)	Power Max Ch. 1 Peak EIRP(dBm)	Power High Ch. 1 Peak EIRP(dBm)	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PSSBPSK	1	1	23.02			
100	PSSBPSK	1	137	23.02		24.0	0.0
100	PSSBPSK	1	271	23.08			
100	PSSBPSK	135	0	22.82		23.5	0.0
100	PSSBPSK	135	86	22.56		24.0	0.0
100	PSSBPSK	135	158	22.85		23.5	0.0
100	PSSBPSK	270	0	22.81			
100	QPSK	1	1	23.12			
100	QPSK	1	137	23.04		24.0	0.0
100	QPSK	1	271	23.06			
100	QPSK	135	0	22.12		24.0	0.0
100	QPSK	135	86	22.13		24.0	0.0
100	QPSK	135	158	22.12		24.0	0.0
100	QPSK	270	0	22.14			
100	16QAM	1	1	22.52		24.0	0.0
100	16QAM	1	1	20.81		21.5	2.5
100	256QAM	1	1	18.97		19.5	4.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.09	22.09	22.04	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.09	22.09	22.04	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.06	22.07	22.05	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.07	22.08	22.04	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.09	22.08	22.01	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.09	22.06	22.02	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.01	22.07	22.05	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.07	22.06	22.01	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.05	22.07	22.05	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.02	22.03	22.05	0.0

Part27Q n78 PC2 Ant3 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak EIRP(dBm)	Power Max Ch. 1 Peak EIRP(dBm)	Power High Ch. 1 Peak EIRP(dBm)	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PSSBPSK	1	1	22.87			
100	PSSBPSK	1	137	22.82		24.0	0.0
100	PSSBPSK	1	271	22.78			
100	PSSBPSK	135	0	22.05		24.0	0.0
100	PSSBPSK	135	86	22.54		24.0	0.0
100	PSSBPSK	135	158	22.49		24.0	0.0
100	PSSBPSK	270	0	22.80			
100	QPSK	1	1	22.92			
100	QPSK	1	137	22.81		24.0	0.0
100	QPSK	1	271	22.96			
100	QPSK	135	0	22.16		24.0	0.0
100	QPSK	135	86	22.48		24.0	0.0
100	QPSK	135	158	22.49		24.0	0.0
100	QPSK	270	0	22.70			
100	16QAM	1	1	22.52		24.0	0.0
100	16QAM	1	1	22.78		24.0	0.0
100	256QAM	1	1	21.81		23.0	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.15	22.17	22.12	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.15	22.16	22.10	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.13	22.14	22.10	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.14	22.16	22.10	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.10	22.16	22.10	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.10	22.16	22.10	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.14	22.16	22.10	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.13	22.16	22.10	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.11	22.16	22.14	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.16	22.17	22.12	0.0

n41 PC2&PC3 Ant4 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	526000	18.8	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.51	17.67	17.49	18.8	0.0
100	PI/2 BPSK	1	137	17.57	17.63	17.52		
100	PI/2 BPSK	1	271	17.51	17.66	17.54	18.8	0.0
100	PI/2 BPSK	135	0	17.61	17.66	17.54		
100	PI/2 BPSK	135	69	17.59	17.63	17.49	18.8	0.0
100	PI/2 BPSK	135	138	17.53	17.63	17.50		
100	PI/2 BPSK	270	0	17.62	17.66	17.47	18.8	0.0
100	QPSK	1	1	17.66	17.75	17.51		
100	QPSK	1	137	17.61	17.61	17.47	18.8	0.0
100	QPSK	1	271	17.52	17.64	17.53		
100	QPSK	135	0	17.45	17.53	17.43	18.8	0.0
100	QPSK	135	69	17.48	17.54	17.44		
100	QPSK	135	138	17.45	17.51	17.40	18.8	0.0
100	QPSK	270	0	17.47	17.50	17.47		
100	16QAM	1	1	17.50	17.56	17.44	18.8	0.0
100	64QAM	1	1	17.42	17.57	17.37		
100	256QAM	1	1	17.46	17.53	17.44	18.8	0.0
Channel				506200	518598	526098		
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.30	17.33	17.29	18.8	0.0
Channel				507204	518598	526998		
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.30	17.42	17.36	18.8	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	17.40	17.37	17.40	18.8	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.30	17.39	17.30	18.8	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.29	17.33	17.36	18.8	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.36	17.42	17.31	18.8	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.30	17.39	17.32	18.8	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.37	17.32	17.40	18.8	0.0
Channel								

Par270 n77 PC3&PC2 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3840	3930	18.8	0.0
Frequency (MHz)				17.26	17.37	17.29		
100	PI/2 BPSK	1	137	17.26	17.38	17.31		
100	PI/2 BPSK	1	271	17.25	17.43	17.27		
100	PI/2 BPSK	135	0	17.32	17.42	17.21	18.8	0.0
100	PI/2 BPSK	135	69	17.28	17.47	17.29	18.8	0.0
100	PI/2 BPSK	135	138	17.24	17.47	17.21	18.8	0.0
100	PI/2 BPSK	270	0	17.33	17.43	17.32	18.8	0.0
100	QPSK	1	1	17.41	17.53	17.38	18.8	0.0
100	QPSK	1	137	17.33	17.46	17.21		
100	QPSK	1	271	17.27	17.44	17.25		
100	QPSK	135	0	17.27	17.37	17.29		
100	QPSK	135	69	17.26	17.45	17.21	18.8	0.0
100	QPSK	135	138	17.30	17.38	17.31	18.8	0.0
100	QPSK	270	0	17.27	17.41	17.26	18.8	0.0
100	16QAM	1	1	17.35	17.38	17.21	18.8	0.0
100	64QAM	1	1	17.27	17.38	17.31	18.8	0.0
100	256QAM	1	1	17.33	17.36	17.25	18.8	0.0
Channel				849668	856000	862334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	18.8	0.0
90	QPSK	1	1	17.13	17.27	17.09	18.8	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	18.8	0.0
80	QPSK	1	1	17.17	17.24	17.18	18.8	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	18.8	0.0
70	QPSK	1	1	17.19	17.26	17.14	18.8	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	18.8	0.0
60	QPSK	1	1	17.18	17.32	17.17	18.8	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	18.8	0.0
50	QPSK	1	1	17.20	17.25	17.20	18.8	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	18.8	0.0
40	QPSK	1	1	17.17	17.25	17.15	18.8	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	18.8	0.0
30	QPSK	1	1	17.10	17.28	17.13	18.8	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	18.8	0.0
20	QPSK	1	1	17.16	17.29	17.12	18.8	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	18.8	0.0
15	QPSK	1	1	17.14	17.27	17.17	18.8	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	18.8	0.0
10	QPSK	1	1	17.16	17.33	17.19	18.8	0.0

Part27Q n77 PC3&PC2 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	6350.01		18.8	0.0
Frequency (MHz)				17.54	17.71	17.59		
100	PI/2 BPSK	1	1	17.54	17.71	17.59		
100	PI/2 BPSK	1	137	17.53	17.68	17.58		
100	PI/2 BPSK	1	271	17.49	17.72	17.55	18.8	0.0
100	PI/2 BPSK	135	0	17.48	17.62	17.53	18.8	0.0
100	PI/2 BPSK	135	69	17.50	17.68	17.50	18.8	0.0
100	PI/2 BPSK	135	138	17.53	17.66	17.53	18.8	0.0
100	PI/2 BPSK	270	0	17.55	17.67	17.53	18.8	0.0
100	QPSK	1	1	17.65	17.80	17.67	18.8	0.0
100	QPSK	1	137	17.48	17.68	17.54		
100	QPSK	1	271	17.49	17.65	17.51		
100	QPSK	135	0	17.59	17.72	17.59		
100	QPSK	135	69	17.59	17.76	17.61	18.8	0.0
100	QPSK	135	138	17.56	17.68	17.59	18.8	0.0
100	QPSK	270	0	17.50	17.71	17.54	18.8	0.0
100	16QAM	1	1	17.51	17.74	17.55	18.8	0.0
100	64QAM	1	1	17.55	17.65	17.50	18.8	0.0
100	256QAM	1	1	17.55	17.64	17.52	18.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	18.8	0.0
90	QPSK	1	1	17.38	17.45	17.48	18.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	18.8	0.0
80	QPSK	1	1	17.41	17.46	17.36	18.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	18.8	0.0
70	QPSK	1	1	17.44	17.49	17.41	18.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	18.8	0.0
60	QPSK	1	1	17.33	17.46	17.41	18.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	18.8	0.0
50	QPSK	1	1	17.39	17.47	17.43	18.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	18.8	0.0
40	QPSK	1	1	17.41	17.55	17.43	18.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	18.8	0.0
30	QPSK	1	1	17.33	17.52	17.44	18.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	18.8	0.0
20	QPSK	1	1	17.34	17.51	17.47	18.8	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	18.8	0.0
15	QPSK	1	1	17.42	17.49	17.37	18.8	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	18.8	0.0
10	QPSK	1	1	17.37	17.46	17.46	18.8	0.0

Part270 n78 PC3&PC2 Ant5 DS13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI/2 BPSK	1	1	17.18	17.26	17.20		18.8	0.0	
100	PI/2 BPSK	1	137	17.19	17.33	17.16				
100	PI/2 BPSK	1	271	17.09	17.31	17.17				
100	PI/2 BPSK	135	0	17.16	17.27	17.10	18.8	0.0		
100	PI/2 BPSK	135	69	17.19	17.39	17.24	18.8	0.0		
100	PI/2 BPSK	135	138	17.11	17.37	17.09	18.8	0.0		
100	PI/2 BPSK	270	0	17.18	17.33	17.18				
100	QPSK	1	1	17.34	17.40	17.26				
100	QPSK	1	137	17.20	17.32	17.08	18.8	0.0		
100	QPSK	1	271	17.19	17.33	17.18				
100	QPSK	135	0	17.20	17.25	17.25	18.8	0.0		
100	QPSK	135	69	17.17	17.37	17.12	18.8	0.0		
100	QPSK	135	138	17.21	17.23	17.19	18.8	0.0		
100	QPSK	270	0	17.22	17.28	17.16				
100	16QAM	1	1	17.27	17.22	17.11	18.8	0.0		
100	64QAM	1	1	17.18	17.22	17.22	18.8	0.0		
100	256QAM	1	1	17.19	17.27	17.20	18.8	0.0		
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01				
90	QPSK	1	1	17.22	17.26	17.11	18.8	0.0		
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02				
80	QPSK	1	1	17.21	17.26	17.17	18.8	0.0		
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765				
70	QPSK	1	1	17.24	17.27	17.17	18.8	0.0		
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3750	3770.01				
60	QPSK	1	1	17.21	17.29	17.16	18.8	0.0		
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3775.02				
50	QPSK	1	1	17.19	17.27	17.15	18.8	0.0		
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780				
40	QPSK	1	1	17.22	17.28	17.12	18.8	0.0		
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3785.01				
30	QPSK	1	1	17.24	17.27	17.11	18.8	0.0		
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3790.02				
20	QPSK	1	1	17.20	17.29	17.14	18.8	0.0		
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.51				
15	QPSK	1	1	17.24	17.30	17.13	18.8	0.0		
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795				
10	QPSK	1	1	17.21	17.26	17.14	18.8	0.0		

Part27Q 78 PC3&PC2 Ant5 DS13									
BW [MHz]	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	633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1	17.50	17.60	17.45		18.8	0.0
100	PI/2 BPSK	1	137	17.43	17.63	17.44			
100	PI/2 BPSK	1	271	17.43	17.64	17.51			
100	PI/2 BPSK	135	0	17.34	17.51	17.49	18.8	0.0	
100	PI/2 BPSK	135	69	17.36	17.59	17.45	18.8	0.0	
100	PI/2 BPSK	135	138	17.44	17.58	17.46	18.8	0.0	
100	PI/2 BPSK	270	0	17.44	17.55	17.46			
100	QPSK	1	1	17.58	17.77	17.52			
100	QPSK	1	137	17.41	17.53	17.43	18.8	0.0	
100	QPSK	1	271	17.43	17.56	17.41			
100	QPSK	135	0	17.49	17.58	17.53	18.8	0.0	
100	QPSK	135	69	17.44	17.66	17.55	18.8	0.0	
100	QPSK	135	138	17.46	17.56	17.49	18.8	0.0	
100	QPSK	270	0	17.45	17.62	17.49			
100	16QAM	1	1	17.39	17.69	17.46	18.8	0.0	
100	64QAM	1	1	17.41	17.55	17.37	18.8	0.0	
100	256QAM	1	1	17.44	17.58	17.46	18.8	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495.02	3500.01	3505.02			
90	QPSK	1	1	17.34	17.46	17.40	18.8	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.35	17.50	17.43	18.8	0.0	
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.33	17.40	17.41	18.8	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.31	17.48	17.44	18.8	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.35	17.42	17.35	18.8	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.39	17.44	17.41	18.8	0.0	
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.33	17.51	17.37	18.8	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.33	17.44	17.44	18.8	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	17.41	17.45	17.40	18.8	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	17.37	17.42	17.35	18.8	0.0	

Par270 n77 PC3&PC2 Ant7 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	656000	662000	15.7	0.0	
Frequency (MHz)				3740	3840	3930			
100	PI/2 BPSK	1	1	14.60	14.87	14.80			
100	PI/2 BPSK	1	137	14.66	14.82	14.78			
100	PI/2 BPSK	1	271	14.68	14.89	14.73	15.7	0.0	
100	PI/2 BPSK	135	0	14.65	14.90	14.78			
100	PI/2 BPSK	135	69	14.61	14.81	14.78			
100	PI/2 BPSK	135	138	14.61	14.88	14.80			
100	PI/2 BPSK	270	0	14.64	14.82	14.75	15.7	0.0	
100	QPSK	1	1	14.76	14.95	14.98			
100	QPSK	1	137	14.72	14.88	14.78			
100	QPSK	1	271	14.61	14.88	14.81			
100	QPSK	135	0	14.72	14.88	14.73	15.7	0.0	
100	QPSK	135	69	14.70	14.92	14.80			
100	QPSK	135	138	14.64	14.90	14.79			
100	QPSK	270	0	14.67	14.88	14.76			
100	16QAM	1	1	14.64	14.83	14.84	15.7	0.0	
100	64QAM	1	1	14.71	14.91	14.78			
100	256QAM	1	1	14.60	14.89	14.82			
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)		
90	QPSK	1	1	14.50	14.69	14.70	15.7	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)		
80	QPSK	1	1	14.50	14.76	14.71	15.7	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dBm)		
70	QPSK	1	1	14.49	14.73	14.77	15.7	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)		
60	QPSK	1	1	14.60	14.70	14.80	15.7	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)		
50	QPSK	1	1	14.57	14.70	14.68	15.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)		
40	QPSK	1	1	14.57	14.76	14.69	15.7	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)		
30	QPSK	1	1	14.53	14.75	14.68	15.7	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)		
20	QPSK	1	1	14.57	14.75	14.68	15.7	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)		
15	QPSK	1	1	14.53	14.74	14.66	15.7	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dBm)		
10	QPSK	1	1	14.53	14.76	14.68	15.7	0.0	

Part27Q n77 PC3&PC2 Ant7 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				635000	633334		15.7	0.0	
Frequency (MHz)				3490.01					
100	PI/2 BPSK	1	1	14.63	14.77	14.68			
100	PI/2 BPSK	1	137	14.70	14.71	14.65			
100	PI/2 BPSK	1	271	14.61	14.70	14.59	15.7	0.0	
100	PI/2 BPSK	135	0	14.62	14.71	14.61			
100	PI/2 BPSK	135	69	14.64	14.69	14.66			
100	PI/2 BPSK	135	138	14.63	14.74	14.67			
100	PI/2 BPSK	270	0	14.62	14.77	14.64	15.7	0.0	
100	QPSK	1	1	14.75	14.84	14.72			
100	QPSK	1	137	14.68	14.76	14.65			
100	QPSK	1	271	14.61	14.78	14.65			
100	QPSK	135	0	14.62	14.65	14.67	15.7	0.0	
100	QPSK	135	69	14.64	14.68	14.67			
100	QPSK	135	138	14.66	14.62	14.65			
100	QPSK	270	0	14.61	14.63	14.60			
100	16QAM	1	1	14.65	14.72	14.57	15.7	0.0	
100	64QAM	1	1	14.60	14.75	14.67			
100	256QAM	1	1	14.70	14.71	14.67			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)		
90	QPSK	1	1	14.55	14.59	14.41	15.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)		
80	QPSK	1	1	14.60	14.66	14.40	15.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)		
70	QPSK	1	1	14.50	14.65	14.51	15.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)		
60	QPSK	1	1	14.60	14.67	14.53	15.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)		
50	QPSK	1	1	14.55	14.65	14.47	15.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)		
40	QPSK	1	1	14.51	14.64	14.42	15.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)		
30	QPSK	1	1	14.59	14.63	14.52	15.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)		
20	QPSK	1	1	14.50	14.60	14.44	15.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)		
15	QPSK	1	1	14.57	14.68	14.51	15.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)		
10	QPSK	1	1	14.52	14.66	14.50	15.7	0.0	

Part270 n78 PC3&PC2 Ant7 DS13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				14.56	14.81	14.75		
100	PI/2 BPSK	1	1	14.56	14.81	14.75		
100	PI/2 BPSK	1	137	14.60	14.77	14.74	15.7	0.0
100	PI/2 BPSK	1	271	14.64	14.83	14.68		
100	PI/2 BPSK	135	0	14.60	14.84	14.74	15.7	0.0
100	PI/2 BPSK	135	69	14.57	14.77	14.73	15.7	0.0
100	PI/2 BPSK	135	138	14.55	14.83	14.75	15.7	0.0
100	PI/2 BPSK	270	0	14.59	14.78	14.69		
100	QPSK	1	1	14.71	14.85	14.82		
100	QPSK	1	137	14.67	14.82	14.72	15.7	0.0
100	QPSK	1	271	14.56	14.83	14.75		
100	QPSK	135	0	14.67	14.80	14.68	15.7	0.0
100	QPSK	135	69	14.65	14.83	14.76	15.7	0.0
100	QPSK	135	138	14.58	14.81	14.73	15.7	0.0
100	QPSK	270	0	14.62	14.83	14.72		
100	16QAM	1	1	14.58	14.79	14.78	15.7	0.0
100	64QAM	1	1	14.67	14.80	14.72	15.7	0.0
100	256QAM	1	1	14.56	14.84	14.77	15.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	14.62	14.80	14.67	15.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	14.61	14.79	14.68	15.7	0.0
Channel				649200	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.61	14.81	14.67	15.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	14.62	14.79	14.67	15.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	14.61	14.83	14.67	15.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	14.63	14.81	14.67	15.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	14.62	14.79	14.68	15.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.62	14.80	14.67	15.7	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	14.63	14.79	14.67	15.7	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	14.62	14.79	14.67	15.7	0.0

Part27Q 78 PC3&PC2 Ant7 DS13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633000	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq. 633334	Tune-up limit (dBm)	MPR (dB)
Channel				3490.01	3490.01	3490.01		
Frequency (MHz)				14.59	14.72	14.63		
100	PI/2 BPSK	1	1	14.59	14.72	14.63		
100	PI/2 BPSK	1	137	14.65	14.67	14.60	15.7	0.0
100	PI/2 BPSK	1	271	14.56	14.66	14.54		
100	PI/2 BPSK	135	0	14.58	14.66	14.56	15.7	0.0
100	PI/2 BPSK	135	69	14.59	14.65	14.61	15.7	0.0
100	PI/2 BPSK	135	138	14.58	14.70	14.63	15.7	0.0
100	PI/2 BPSK	270	0	14.58	14.73	14.59		
100	QPSK	1	1	14.71	14.76	14.67		
100	QPSK	1	137	14.63	14.70	14.62	15.7	0.0
100	QPSK	1	271	14.56	14.73	14.60		
100	QPSK	135	0	14.57	14.61	14.61	15.7	0.0
100	QPSK	135	69	14.59	14.64	14.61	15.7	0.0
100	QPSK	135	138	14.62	14.57	14.61	15.7	0.0
100	QPSK	270	0	14.56	14.59	14.54		
100	16QAM	1	1	14.60	14.68	14.53	15.7	0.0
100	64QAM	1	1	14.55	14.69	14.63	15.7	0.0
100	256QAM	1	1	14.64	14.66	14.61	15.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.56	14.62	14.48	15.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.54	14.62	14.48	15.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.55	14.62	14.47	15.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.55	14.63	14.48	15.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.55	14.62	14.49	15.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.55	14.63	14.47	15.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.55	14.64	14.48	15.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.55	14.62	14.49	15.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	14.55	14.62	14.49	15.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.56	14.62	14.47	15.7	0.0



Reduced Power for DSI3 Simultaneous

n2 Ant0 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	19.07	19.24	19.12			
20	P12 BPSK	1	53	19.11	19.24	19.05	20.3	0.0	
20	P12 BPSK	1	104	19.05	19.24	19.12			
20	P12 BPSK	50	5	19.10	19.23	19.03	20.3	0.0	
20	P12 BPSK	50	24	19.11	19.24	19.08	20.3	0.0	
20	P12 BPSK	50	56	19.08	19.24	19.12			
20	P12 BPSK	100	6	19.05	19.23	19.10	20.3	0.0	
20	QPSK	1	1	19.30	19.25	19.20			
20	QPSK	1	53	19.06	19.21	19.03	20.3	0.0	
20	QPSK	1	104	19.08	19.22	19.12			
20	QPSK	50	1	19.06	19.24	19.11	20.3	0.0	
20	QPSK	50	24	19.25	19.24	19.10	20.3	0.0	
20	QPSK	50	56	19.10	19.24	19.11			
20	QPSK	100	5	19.11	19.20	19.10	20.3	0.0	
20	HQAM	1	1	19.20	19.23	19.12	20.3	0.0	
20	HQAM	1	1	19.07	19.24	19.08	20.3	0.0	
20	SSBQAM	1	1	19.10	19.10	19.08	20.3	0.0	
Channel									
15	QPSK	1	1	19.11	19.10	19.03	20.3	0.0	
Channel									
15	QPSK	1	1	19.25	19.31	19.17	20.3	0.0	
Channel									
10	QPSK	1	1	19.14	19.23	19.10	20.3	0.0	

n5 Ant0 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	23.20	23.36	23.20			
20	P12 BPSK	1	53	23.10	23.23	23.11	24.0	0.0	
20	P12 BPSK	1	104	23.07	23.11	23.04			
20	P12 BPSK	50	5	23.21	23.36	23.20	24.0	0.0	
20	P12 BPSK	50	24	23.18	23.28	23.10	24.0	0.0	
20	P12 BPSK	50	56	23.10	23.22	23.11			
20	P12 BPSK	100	6	23.10	23.28	23.20	24.0	0.0	
Channel									
10	QPSK	1	1	23.40	23.43	23.30			
10	QPSK	1	53	23.11	23.22	23.10	24.0	0.0	
10	QPSK	1	104	23.02	23.11	23.07			
10	QPSK	50	1	23.20	23.34	23.20	24.0	0.0	
10	QPSK	50	24	23.20	23.30	23.10	24.0	0.0	
10	QPSK	50	56	23.14	23.27	23.14			
10	QPSK	100	5	23.11	23.26	23.10	24.0	0.0	
10	HQAM	1	1	23.30	23.41	23.30	24.0	0.0	
10	HQAM	1	1	23.12	23.40	23.17	24.0	1.6	
10	SSBQAM	1	1	23.10	23.11	23.07	20.3	3.5	
Channel									
5	QPSK	1	1	23.20	23.34	23.20	24.0	0.0	

n7 Ant0 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	20.04	20.03	20.75			
40	P12 BPSK	1	100	20.10	20.01	20.75	22.1	0.0	
40	P12 BPSK	1	214	20.02	20.07	20.74			
40	P12 BPSK	100	5	20.00	20.00	20.77	22.1	0.0	
40	P12 BPSK	100	54	20.00	20.04	20.70	22.1	0.0	
40	P12 BPSK	100	100	20.04	20.06	20.71			
40	P12 BPSK	210	5	20.01	20.04	20.71	22.1	0.0	
40	QPSK	1	1	20.11	20.08	20.63			
40	QPSK	1	100	20.00	20.00	20.70	22.1	0.0	
40	QPSK	1	214	20.00	20.00	20.70			
40	QPSK	100	5	20.00	20.00	20.69	22.1	0.0	
40	QPSK	100	54	20.00	20.00	20.70	22.1	0.0	
40	QPSK	100	100	20.06	20.06	20.69			
40	QPSK	210	5	20.00	20.00	20.70	22.1	0.0	
40	HQAM	1	1	20.00	20.02	20.70	22.1	0.0	
40	HQAM	1	1	20.00	20.00	20.70	22.1	0.0	
40	SSBQAM	1	1	19.99	19.02	19.00	20.3	1.6	
Channel									
30	P12 BPSK	1	1	20.04	20.70	20.60	22.1	0.0	
Channel									
25	P12 BPSK	1	1	20.00	20.01	20.50	22.1	0.0	
Channel									
20	QPSK	1	1	20.07	20.73	20.50	22.1	0.0	
Channel									
15	QPSK	1	1	20.11	20.77	20.40	20.1	0.0	
Channel									
10	QPSK	1	1	20.04	20.70	20.60	22.1	0.0	
Channel									
0	QPSK	1	1	20.45	20.73	20.50	22.1	0.0	

n66 Ant0 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	18.02	18.10	17.93			
40	P12 BPSK	1	100	17.99	18.11	18.01	18.8	0.0	
40	P12 BPSK	1	214	18.07	18.18	18.00			
40	P12 BPSK	100	5	18.00	18.10	17.91	18.8	0.0	
40	P12 BPSK	100	54	18.00	18.14	17.92	18.8	0.0	
40	P12 BPSK	100	100	18.07	18.10	17.98			
40	P12 BPSK	210	5	18.00	18.10	17.90	18.8	0.0	
40	QPSK	1	1	18.14	18.23	18.05			
40	QPSK	1	100	18.06	18.10	17.91	18.8	0.0	
40	QPSK	1	214	18.07	18.08	17.92			
40	QPSK	100	5	18.00	18.09	17.90	18.8	0.0	
40	QPSK	100	54	18.00	18.10	17.90	18.8	0.0	
40	QPSK	100	100	18.09	18.10	17.97			
40	QPSK	210	5	18.00	18.00	17.91	18.8	0.0	
40	HQAM	1	1	18.00	18.10	17.90	18.8	0.0	
40	HQAM	1	1	17.99	18.11	17.90	18.8	0.0	
40	SSBQAM	1	1	18.07	18.10	17.94	18.8	0.0	
Channel									
30	P12 BPSK	1	1	17.92	17.95	17.87	18.8	0.0	
Channel									
20	QPSK	1	1	17.90	17.98	17.80	18.8	0.0	
Channel									
10	QPSK	1	1	17.87	17.90	17.80	18.8	0.0	
Channel									
0	QPSK	1	1	17.86	17.90	17.82	18.8	0.0	

n41 PC3&PC2 Ant0 DSI3 Simultaneous										
BW [MHz]	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	22.2	0.0		
Frequency (MHz)				2546.01	2592.99	2640				
100	PI/2 BPSK	1	1	21.10	21.11	20.91				
100	PI/2 BPSK	1	137	21.05	21.18	21.00				
100	PI/2 BPSK	1	271	21.08	21.18	21.01	22.2	0.0		
100	PI/2 BPSK	135	0	21.08	21.13	20.97				
100	PI/2 BPSK	135	69	21.07	21.19	20.99				
100	PI/2 BPSK	135	138	21.05	21.15	20.95				
100	PI/2 BPSK	270	0	21.09	21.16	20.99	22.2	0.0		
100	QPSK	1	1	21.15	21.24	21.06				
100	QPSK	1	137	21.03	21.13	20.91				
100	QPSK	1	271	21.08	21.11	20.93				
100	QPSK	135	0	21.08	21.11	20.93	22.2	0.0		
100	QPSK	135	69	21.05	21.16	20.97				
100	QPSK	135	138	21.06	21.15	20.97				
100	QPSK	270	0	21.10	21.11	20.96				
100	16QAM	1	1	20.99	21.18	20.98	22.2	0.0		
100	64QAM	1	1	21.09	21.10	20.97				
100	256QAM	1	1	21.08	21.19	20.91				
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98	22.2	0.0		
90	QPSK	1	1	20.96	21.00	20.83				
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536.02	2592.99	2649.99	22.2	0.0		
80	QPSK	1	1	21.00	20.99	20.89				
Channel				509202	518598	531090			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655				
70	QPSK	1	1	21.04	20.97	20.89	22.2	0.0		
Channel				509200	518598	531996			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	22.2	0.0		
60	QPSK	1	1	21.02	21.03	20.90				
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99	22.2	0.0		
50	QPSK	1	1	21.02	21.02	20.90				
Channel				509202	518598	534900			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	20.96	20.96	20.85	22.2	0.0		
Channel				502200	518598	534996			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	22.2	0.0		
30	QPSK	1	1	21.05	20.95	20.83				
Channel				501204	518598	535998			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	21.01	21.04	20.86	22.2	0.0		



n2 Ant1 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 3740000	Power Main Ch. 2 Power 3740000	Power High Ch. 3 Power 3660000	Time-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PUSC-BPSK	1	1	16.13	16.20	16.15			
20	PUSC-BPSK	1	53	16.13	16.20	16.14	17.5	0.0	
20	PUSC-BPSK	1	54	16.14	16.24	16.09			
20	PUSC-BPSK	50	0	16.16	16.26	16.09	17.0	0.0	
20	PUSC-BPSK	50	26	16.20	16.26	16.09	17.0	0.0	
20	PUSC-BPSK	50	56	16.21	16.20	16.16	17.0	0.0	
20	PUSC-BPSK	100	0	16.16	16.19	16.10			
20	QPSK	1	1	16.20	16.33	16.20			
20	QPSK	1	53	16.16	16.24	16.10	17.5	0.0	
20	QPSK	1	54	16.20	16.16	16.09			
20	QPSK	50	0	16.21	16.23	16.08	17.0	0.0	
20	QPSK	50	26	16.22	16.25	16.07	17.0	0.0	
20	QPSK	50	56	16.21	16.20	16.08	17.0	0.0	
20	QPSK	100	0	16.20	16.22	16.07			
20	8QAM	1	1	16.16	16.26	16.14	17.0	0.0	
20	8QAM	1	1	16.22	16.23	16.15	17.0	0.0	
20	256QAM	1	1	16.24	16.17	16.09	17.0	0.0	
Channel									
Frequency (MHz)									
16	QPSK	1	1	16.13	16.14	16.09	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.17	16.16	16.09	17.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.14	16.13	16.11	17.0	0.0	

n5 Ant1 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 3640000	Power Main Ch. 2 Power 3640000	Power High Ch. 3 Power 3640000	Time-up time (min)	SINR (dB)	
Channel									
Frequency (MHz)									
20	PUSC-BPSK	1	1	23.04	23.11	23.01			
20	PUSC-BPSK	1	53	22.85	22.84	22.86	24.0	0.0	
20	PUSC-BPSK	1	104	22.83	22.87	22.85			
20	PUSC-BPSK	50	0	23.04	23.11	23.00	24.0	0.0	
20	PUSC-BPSK	50	26	23.04	23.06	23.00	24.0	0.0	
20	PUSC-BPSK	50	56	22.83	22.88	22.87	24.0	0.0	
20	PUSC-BPSK	100	0	22.85	23.03	22.86			
20	QPSK	1	1	23.14	23.16	22.86			
20	QPSK	1	53	22.87	22.85	22.87	24.0	0.0	
20	QPSK	1	104	22.74	22.86	22.70			
20	QPSK	50	0	22.89	23.03	22.85	24.0	0.0	
20	QPSK	50	26	23.05	23.12	22.86	24.0	0.0	
20	QPSK	50	56	22.86	22.86	22.87	24.0	0.0	
20	QPSK	100	0	22.86	23.05	22.87			
20	8QAM	1	1	23.00	23.06	23.00	24.0	0.0	
20	8QAM	1	1	22.89	22.12	22.85	22.5	1.0	
20	256QAM	1	1	19.24	18.88	19.19	20.0	0.0	
Channel									
Frequency (MHz)									
16	QPSK	1	1	23.12	23.10	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.00	23.03	22.87	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.10	23.08	22.90	24.0	0.0	

n7 Ant1 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 3640000	Power Main Ch. 2 Power 3640000	Power High Ch. 3 Power 3640000	Time-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
40	PUSC-BPSK	1	1	16.15	16.17	16.00			
40	PUSC-BPSK	1	108	16.07	16.23	16.03	17.4	0.0	
40	PUSC-BPSK	1	214	16.06	16.16	16.07			
40	PUSC-BPSK	100	0	16.10	16.16	16.01	17.4	0.0	
40	PUSC-BPSK	100	54	16.16	16.24	16.04	17.4	0.0	
40	PUSC-BPSK	100	104	16.09	16.16	16.00	17.4	0.0	
40	PUSC-BPSK	216	0	16.17	16.17	16.10			
40	QPSK	1	1	16.21	16.20	16.10			
40	QPSK	1	108	16.05	16.23	16.03	17.4	0.0	
40	QPSK	1	214	16.13	16.16	16.10			
40	QPSK	100	0	16.13	16.16	16.00	17.4	0.0	
40	QPSK	100	54	16.09	16.26	16.13	17.4	0.0	
40	QPSK	100	108	16.11	16.22	16.06	17.4	0.0	
40	QPSK	216	0	16.09	16.21	16.10			
40	8QAM	1	1	16.13	16.11	16.11	17.4	0.0	
40	8QAM	1	1	16.16	16.01	16.05	17.4	0.0	
40	256QAM	1	1	16.08	16.04	16.00	17.4	0.0	
Channel									
Frequency (MHz)									
30	PUSC-BPSK	1	1	16.09	16.13	16.03	17.4	0.0	
Channel									
Frequency (MHz)									
25	PUSC-BPSK	1	1	16.07	16.03	16.00	17.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.06	16.00	16.10	17.4	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.07	16.03	16.10	17.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.03	16.06	16.00	17.4	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.07	16.03	16.00	17.4	0.0	

n66 Ant1 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 3640000	Power Main Ch. 2 Power 3640000	Power High Ch. 3 Power 3640000	Time-up time (min)	SINR (dB)	
Channel									
Frequency (MHz)									
40	PUSC-BPSK	1	1	16.37	16.41	16.26			
40	PUSC-BPSK	1	108	16.26	16.41	16.30	16.8	0.0	
40	PUSC-BPSK	1	214	16.27	16.31	16.31			
40	PUSC-BPSK	100	0	16.30	16.40	16.22	16.8	0.0	
40	PUSC-BPSK	100	54	16.37	16.49	16.29	16.8	0.0	
40	PUSC-BPSK	100	108	16.30	16.50	16.30	16.8	0.0	
40	PUSC-BPSK	216	0	16.37	16.46	16.37			
40	QPSK	1	1	16.42	16.55	16.36			
40	QPSK	1	108	16.31	16.44	16.21	16.8	0.0	
40	QPSK	1	214	16.31	16.46	16.23			
40	QPSK	100	0	16.30	16.39	16.25	16.8	0.0	
40	QPSK	100	54	16.36	16.45	16.27	16.8	0.0	
40	QPSK	100	108	16.27	16.40	16.29	16.8	0.0	
40	QPSK	216	0	16.30	16.42	16.22			
40	8QAM	1	1	16.36	16.47	16.27	16.8	0.0	
40	8QAM	1	1	16.37	16.48	16.27	16.8	0.0	
40	256QAM	1	1	16.32	16.42	16.25	16.8	0.0	
Channel									
Frequency (MHz)									
30	PUSC-BPSK	1	1	16.33	16.41	16.23	16.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.20	16.30	16.14	16.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.21	16.41	16.16	16.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.20	16.32	16.13	16.8	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.24	16.32	16.16	16.8	0.0	

n41 PC3&PC2 Ant1 DSI3 Simultaneous								
BW [MHz]	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	17.7	0.0
Frequency (MHz)				2540.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.29	16.31	16.25	17.7	0.0
100	PI/2 BPSK	1	137	16.30	16.33	16.24		
100	PI/2 BPSK	1	271	16.29	16.41	16.28	17.7	0.0
100	PI/2 BPSK	135	0	16.31	16.36	16.32		
100	PI/2 BPSK	135	69	16.34	16.41	16.29	17.7	0.0
100	PI/2 BPSK	135	138	16.32	16.42	16.26		
100	PI/2 BPSK	270	0	16.33	16.32	16.27	17.7	0.0
100	QPSK	1	1	16.36	16.36	16.36		
100	QPSK	1	137	16.25	16.37	16.29	17.7	0.0
100	QPSK	1	271	16.26	16.34	16.27		
100	QPSK	135	0	16.33	16.32	16.21	17.7	0.0
100	QPSK	135	69	16.22	16.35	16.28		
100	QPSK	135	138	16.24	16.32	16.29	17.7	0.0
100	QPSK	270	0	16.26	16.32	16.31		
100	16QAM	1	1	16.33	16.43	16.25	17.7	0.0
100	64QAM	1	1	16.31	16.38	16.32		
100	256QAM	1	1	16.25	16.35	16.30	17.7	0.0
Channel				508200	518598	528998		
Frequency (MHz)				2541	2592.99	2644.98	17.7	0.0
90	QPSK	1	1	16.14	16.22	16.19		
Channel				507204	518598	529998	17.7	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.16	16.31	16.16	17.7	0.0
Channel				506202	518598	531090		
Frequency (MHz)				2531.01	2592.99	2654	17.7	0.0
70	QPSK	1	1	16.15	16.25	16.14		
Channel				505200	518598	531996	17.7	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.11	16.26	16.13	17.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	17.7	0.0
50	QPSK	1	1	16.16	16.24	16.15		
Channel				503202	518598	534090	17.7	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.13	16.29	16.23	17.7	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	17.7	0.0
30	QPSK	1	1	16.17	16.22	16.20		
Channel				501204	518598	535998	17.7	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.16	16.22	16.17	17.7	0.0
Channel				500200	518598	536996		
Frequency (MHz)				2501	2592.99	2674.98	17.7	0.0
10	QPSK	1	1	16.17	16.22	16.20		
Channel				500204	518598	536998	17.7	0.0
Frequency (MHz)				2501.02	2592.99	2674.99		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	656000	662000		
Frequency (MHz)				3762	3840	3930		
100	PI/2 BPSK	1	1	18.97	19.22	18.88		
100	PI/2 BPSK	1	137	18.99	19.15	18.90	20.5	0.0
100	PI/2 BPSK	1	271	19.03	19.17	18.88		
100	PI/2 BPSK	135	0	19.00	19.17	18.85	20.5	0.0
100	PI/2 BPSK	135	69	18.98	19.21	18.86	20.5	0.0
100	PI/2 BPSK	135	138	18.95	19.23	18.85	20.5	0.0
100	PI/2 BPSK	270	0	18.93	19.18	18.81		
100	QPSK	1	1	19.07	19.29	19.96		
100	QPSK	1	137	19.00	19.19	18.94	20.5	0.0
100	QPSK	1	271	18.93	19.19	18.82		
100	QPSK	135	0	18.99	19.17	18.81	20.5	0.0
100	QPSK	135	69	18.92	19.22	18.84	20.5	0.0
100	QPSK	135	138	19.02	19.17	18.86	20.5	0.0
100	QPSK	270	0	19.03	19.14	18.89		
100	16QAM	1	1	19.00	19.16	18.90	20.5	0.0
100	64QAM	1	1	18.92	19.23	18.92	20.5	0.0
100	256QAM	1	1	19.03	19.05	19.00	20.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.92	19.04	18.77	20.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.88	19.02	18.82	20.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.92	19.08	18.81	20.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.92	19.06	18.78	20.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.91	19.10	18.80	20.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.85	19.08	18.82	20.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.93	19.06	18.76	20.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.86	19.01	18.84	20.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.94	19.11	18.78	20.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.95	19.03	18.80	20.5	0.0

Part27Q n77 PC3&PC2 Ant2 DSI3 Simultaneous

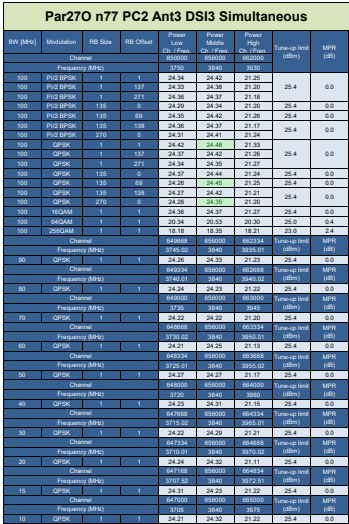
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.19			
100	PI/2 BPSK	1	137		19.26		20.5	0.0
100	PI/2 BPSK	1	271		19.19			
100	PI/2 BPSK	135	0		19.16		20.5	0.0
100	PI/2 BPSK	135	69		19.16		20.5	0.0
100	PI/2 BPSK	135	138		19.16		20.5	0.0
100	PI/2 BPSK	270	0		19.18			
100	QPSK	1	1		19.31			
100	QPSK	1	137		19.24		20.5	0.0
100	QPSK	1	271		19.22			
100	QPSK	135	0		19.16		20.5	0.0
100	QPSK	135	69		19.18		20.5	0.0
100	QPSK	135	138		19.15		20.5	0.0
100	QPSK	270	0		19.17			
100	16QAM	1	1		19.15		20.5	0.0
100	64QAM	1	1		19.23		20.5	0.0
100	256QAM	1	1		19.19		20.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.98	19.13	18.95	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.02	19.12	19.00	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.92	19.11	18.98	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.02	19.07	19.00	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.96	19.16	19.01	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.95	19.08	19.01	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.97	19.16	19.05	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.94	19.15	18.96	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.97	19.09	18.96	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.96	19.15	19.01	20.5	0.0

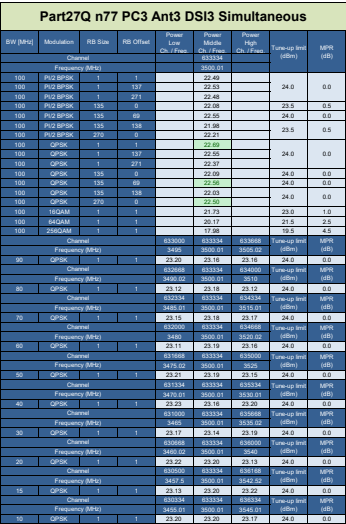
Part270 n78 PC3&PC2 Ant2 DSi3 Simultaneous

BW [MHz]	Modulation	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	18.91	19.11	18.75		
100	PI/2 BPSK	1	137	18.85	19.06	18.80	20.5	0.0
100	PI/2 BPSK	1	271	18.88	19.03	18.73		
100	PI/2 BPSK	135	0	18.85	19.05	18.71	20.5	0.0
100	PI/2 BPSK	135	69	18.92	19.11	18.80	20.5	0.0
100	PI/2 BPSK	135	138	18.83	19.16	18.80		
100	PI/2 BPSK	270	0	18.87	19.14	18.71	20.5	0.0
100	QPSK	1	1	18.96	19.27	19.33		
100	QPSK	1	137	18.88	19.08	18.77	20.5	0.0
100	QPSK	1	271	18.83	19.10	18.74		
100	QPSK	135	0	18.92	19.10	18.67	20.5	0.0
100	QPSK	135	69	18.81	19.13	18.68	20.5	0.0
100	QPSK	135	138	18.87	19.07	18.77	20.5	0.0
100	QPSK	270	0	18.89	19.07	18.80		
100	16QAM	1	1	18.87	19.10	18.84	20.5	0.0
100	64QAM	1	1	18.78	19.09	18.82	20.5	0.0
100	256QAM	1	1	18.94	18.94	18.84	20.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.90	19.03	18.75	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.93	19.06	18.75	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.96	19.04	18.76	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.88	19.08	18.77	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.86	19.10	18.74	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.89	19.01	18.73	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.94	19.08	18.72	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.94	19.01	18.80	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	18.94	19.06	18.80	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	18.96	19.08	18.73	20.5	0.0

Part27Q 78 PC3&PC2 Ant2 DSi3 Simultaneous

BW [MHz]	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		19.11			
100	PI/2 BPSK	1	137		19.11		20.5	0.0
100	PI/2 BPSK	1	271		19.04			
100	PI/2 BPSK	135	0		19.01		20.5	0.0
100	PI/2 BPSK	135	69		19.07		20.5	0.0
100	PI/2 BPSK	135	138		19.02		20.5	0.0
100	PI/2 BPSK	270	0		19.07			
100	QPSK	1	1		19.24			
100	QPSK	1	137		19.10		20.5	0.0
100	QPSK	1	271		19.12			
100	QPSK	135	0		19.01		20.5	0.0
100	QPSK	135	69		19.13		20.5	0.0
100	QPSK	135	138		19.07		20.5	0.0
100	QPSK	270	0		19.04			
100	16QAM	1	1		19.05		20.5	0.0
100	64QAM	1	1		19.16		20.5	0.0
100	256QAM	1	1		19.05		20.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.93	19.08	19.00	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.93	19.18	19.01	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.00	19.17	19.06	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.99	19.16	18.97	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.00	19.18	19.04	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.91	19.15	19.05	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.94	19.16	19.00	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.00	19.09	19.02	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.94	19.15	19.03	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.01	19.19	19.01	20.5	0.0





Part27Q n77 PC2 Ant3 DS13 Simultaneous									
Bit (MHz)	Modulation	RF Size	RF Offset	Power (dBm) Ch. Freq.	Power (dBm) Ch. Freq.	Power (dBm) Ch. Freq.	Intermod. dBc	IM3 (dB)	IM5 (dB)
100	FSK-BPSK	1	0	30.00					
100	FSK-BPSK	1	187	25.24			25.4	0.0	
100	FSK-BPSK	1	231	24.38					
100	FSK-BPSK	1	275	24.24			25.0	0.0	
100	FSK-BPSK	150	0	26.18			25.0	0.0	
100	FSK-BPSK	150	150	24.17					
100	FSK-BPSK	150	299	24.33			25.4	0.0	
100	QPSK	1	0	25.42			25.4	0.0	
100	QPSK	1	187	24.57			25.4	0.0	
100	QPSK	1	231	24.18			25.4	0.0	
100	QPSK	150	0	24.37			25.4	0.0	
100	QPSK	150	150	24.18			25.4	0.0	
100	QPSK	150	299	24.33			25.4	0.0	
100	SSB4M	200	0	24.25			25.0	0.0	
100	SSB4M	200	60	24.65			25.0	0.0	
100	SSB4M	200	120	24.63			25.0	0.0	
Channel				513000	513354	513698			IMF
Frequency (MHz)				25.35	25.39	25.39	25.0	0.0	
Channel				513668	513354	513050			IMF
Frequency (MHz)				25.41	25.39	25.39	25.0	0.0	
Channel				513936	513354	512770			IMF
Frequency (MHz)				25.43	25.39	25.39	25.0	0.0	
Channel				513334	513354	513374			IMF
Frequency (MHz)				25.39	25.41	25.43	25.0	0.0	
Channel				513334	513354	513374			IMF
Frequency (MHz)				25.39	25.41	25.43	25.0	0.0	
Channel				513600	513354	513408			IMF
Frequency (MHz)				25.35	25.44	25.37	25.4	0.0	
Channel				513000	513354	513698			IMF
Frequency (MHz)				25.35	25.39	25.39	25.0	0.0	
Channel				513668	513354	513050			IMF
Frequency (MHz)				25.41	25.39	25.39	25.0	0.0	
Channel				513936	513354	512770			IMF
Frequency (MHz)				25.43	25.39	25.39	25.0	0.0	
Channel				513334	513354	513374			IMF
Frequency (MHz)				25.39	25.41	25.43	25.0	0.0	
Channel				513334	513354	513374			IMF
Frequency (MHz)				25.39	25.41	25.43	25.0	0.0	
Channel				513600	513354	513408			IMF
Frequency (MHz)				25.35	25.44	25.37	25.4	0.0	
Channel				513000	513354	513698			IMF
Frequency (MHz)				25.35	25.39	25.39	25.0	0.0	
Channel				513668	513354	513050			IMF
Frequency (MHz)				25.41	25.39	25.39	25.0	0.0	

Part270 n78 PCn3 AN3 DS13 Simultaneous									
Bit (mHz)	Modulation	FS Size	FS Offset	Power dBm	Power dBm Ch. Freq.	Power dBm Ch. Freq.	Channel Spacing (MHz)	Mod. Rate (Mbps)	Eff. (dB)
Frequency (MHz)				3750	3750	3750			
100	FS-FMFSK	1	1	22.85	22.85	22.85	24.0	0.0	
100	FS-FMFSK	1	137	22.85	22.85	22.85	24.0	0.0	
100	FS-FMFSK	1	271	22.85	22.85	22.85	23.0	0.0	
100	FS-FMFSK	1	405	22.85	22.85	22.85	24.0	0.0	
100	FS-FMFSK	136	65	22.85	22.85	22.85	24.0	0.0	
100	FS-FMFSK	136	199	22.85	22.85	22.85	23.0	0.0	
100	QPSK	1	1	22.27	22.27	22.27	24.0	0.0	
100	QPSK	1	137	22.27	22.27	22.27	24.0	0.0	
100	QPSK	1	271	22.27	22.27	22.27	24.0	0.0	
100	QPSK	136	65	22.26	22.26	22.26	24.0	0.0	
100	QPSK	136	199	22.26	22.26	22.26	24.0	0.0	
100	QPSK	136	333	22.26	22.26	22.26	23.0	0.0	
100	QPSK	270	1	22.26	22.26	22.26	24.0	0.0	
100	16QAM	1	1	20.81	20.81	20.81	23.0	1.0	
100	16QAM	1	137	20.81	20.81	20.81	23.0	1.0	
100	16QAM	1	271	20.81	20.81	20.81	23.0	1.0	
100	16QAM	1	405	20.81	20.81	20.81	23.0	1.0	
Channel:				409600	800000	800000		16P	
Frequency (MHz)				3750	3750	3750			
90	FS-FMFSK	1	1	22.87	22.87	22.87	24.0	0.0	
90	FS-FMFSK	1	137	22.87	22.87	22.87	24.0	0.0	
90	FS-FMFSK	1	271	22.87	22.87	22.87	24.0	0.0	
90	FS-FMFSK	1	405	22.87	22.87	22.87	24.0	0.0	
90	QPSK	1	1	22.90	22.90	22.90	24.0	0.0	
90	QPSK	1	137	22.90	22.90	22.90	24.0	0.0	
90	QPSK	1	271	22.90	22.90	22.90	24.0	0.0	
90	QPSK	1	405	22.90	22.90	22.90	24.0	0.0	
90	QPSK	136	65	22.89	22.89	22.89	24.0	0.0	
90	QPSK	136	199	22.89	22.89	22.89	24.0	0.0	
90	QPSK	136	333	22.89	22.89	22.89	24.0	0.0	
90	QPSK	270	1	22.89	22.89	22.89	24.0	0.0	
90	QPSK	1	1	22.89	22.89	22.89	24.0	0.0	
90	QPSK	1	137	22.89	22.89	22.89	24.0	0.0	
90	QPSK	1	271	22.89	22.89	22.89	24.0	0.0	
90	QPSK	1	405	22.89	22.89	22.89	24.0	0.0	
90	QPSK	136	65	22.88	22.88	22.88	24.0	0.0	
90	QPSK	136	199	22.88	22.88	22.88	24.0	0.0	
90	QPSK	136	333	22.88	22.88	22.88	24.0	0.0	
90	QPSK	270	1	22.88	22.88	22.88	24.0	0.0	
90	QPSK	1	1	22.88	22.88	22.88	24.0	0.0	
90	QPSK	1	137	22.88	22.88	22.88	24.0	0.0	
90	QPSK	1	271	22.88	22.88	22.88	24.0	0.0	
90	QPSK	1	405	22.88	22.88	22.88	24.0	0.0	
90	QPSK	136	65	22.87	22.87	22.87	24.0	0.0	
90	QPSK	136	199	22.87	22.87	22.87	24.0	0.0	
90	QPSK	136	333	22.87	22.87	22.87	24.0	0.0	
90	QPSK	270	1	22.87	22.87	22.87	24.0	0.0	
90	QPSK	1	1	22.87	22.87	22.87	24.0	0.0	
90	QPSK	1	137	22.87	22.87	22.87	24.0	0.0	
90	QPSK	1	271	22.87	22.87	22.87	24.0	0.0	
90	QPSK	1	405	22.87	22.87	22.87	24.0	0.0	
90	QPSK	136	65	22.86	22.86	22.86	24.0	0.0	
90	QPSK	136	199	22.86	22.86	22.86	24.0	0.0	
90	QPSK	136	333	22.86	22.86	22.86	24.0	0.0	
90	QPSK	270	1	22.86	22.86	22.86	24.0	0.0	
90	QPSK	1	1	22.86	22.86	22.86	24.0	0.0	
90	QPSK	1	137	22.86	22.86	22.86	24.0	0.0	
90	QPSK	1	271	22.86	22.86	22.86	24.0	0.0	
90	QPSK	1	405	22.86	22.86	22.86	24.0	0.0	
90	QPSK	136	65	22.85	22.85	22.85	24.0	0.0	
90	QPSK	136	199	22.85	22.85	22.85	24.0	0.0	
90	QPSK	136	333	22.85	22.85	22.85	24.0	0.0	
90	QPSK	270	1	22.85	22.85	22.85	24.0	0.0	
90	QPSK	1	1	22.85	22.85	22.85	24.0	0.0	
90	QPSK	1	137	22.85	22.85	22.85	24.0	0.0	
90	QPSK	1	271	22.85	22.85	22.85	24.0	0.0	
90	QPSK	1	405	22.85	22.85	22.85	24.0	0.0	
90	QPSK	136	65	22.84	22.84	22.84	24.0	0.0	
90	QPSK	136	199	22.84	22.84	22.84	24.0	0.0	
90	QPSK	136	333	22.84	22.84	22.84	24.0	0.0	
90	QPSK	270	1	22.84	22.84	22.84	24.0	0.0	
90	QPSK	1	1	22.84	22.84	22.84	24.0	0.0	
90	QPSK	1	137	22.84	22.84	22.84	24.0	0.0	
90	QPSK	1	271	22.84	22.84	22.84	24.0	0.0	
90	QPSK	1	405	22.84	22.84	22.84	24.0	0.0	
90	QPSK	136	65	22.83	22.83	22.83	24.0	0.0	
90	QPSK	136	199	22.83	22.83	22.83	24.0	0.0	
90	QPSK	136	333	22.83	22.83	22.83	24.0	0.0	
90	QPSK	270	1	22.83	22.83	22.83	24.0	0.0	
90	QPSK	1	1	22.83	22.83	22.83	24.0	0.0	
90	QPSK	1	137	22.83	22.83	22.83	24.0	0.0	
90	QPSK	1	271	22.83	22.83	22.83	24.0	0.0	
90	QPSK	1	405	22.83	22.83	22.83	24.0	0.0	
90	QPSK	136	65	22.82	22.82	22.82	24.0	0.0	
90	QPSK	136	199	22.82	22.82	22.82	24.0	0.0	
90	QPSK	136	333	22.82	22.82	22.82	24.0	0.0	
90	QPSK	270	1	22.82	22.82	22.82	24.0	0.0	
90	QPSK	1	1	22.82	22.82	22.82	24.0	0.0	
90	QPSK	1	137	22.82	22.82	22.82	24.0	0.0	
90	QPSK	1	271	22.82	22.82	22.82	24.0	0.0	
90	QPSK	1	405	22.82	22.82	22.82	24.0	0.0	
90	QPSK	136	65	22.81	22.81	22.81	24.0	0.0	
90	QPSK	136	199	22.81	22.81	22.81	24.0	0.0	
90	QPSK	136	333	22.81	22.81	22.81	24.0	0.0	
90	QPSK	270	1	22.81	22.81	22.81	24.0	0.0	
90	QPSK	1	1	22.81	22.81	22.81	24.0	0.0	
90	QPSK	1	137	22.81	22.81	22.81	24.0	0.0	
90	QPSK	1	271	22.81	22.81	22.81	24.0	0.0	
90	QPSK	1	405	22.81	22.81	22.81	24.0	0.0	
90	QPSK	136	65	22.80	22.80	22.80	24.0	0.0	
90	QPSK	136	199	22.80	22.80	22.80	24.0	0.0	
90	QPSK	136	333	22.80	22.80	22.80	24.0	0.0	
90	QPSK	270	1	22.80	22.80	22.80	24.0	0.0	
90	QPSK	1	1	22.80	22.80	22.80	24.0	0.0	
90	QPSK	1	137	22.80	22.80	22.80	24.0	0.0	
90	QPSK	1	271	22.80	22.80	22.80	24.0	0.0	
90	QPSK	1	405	22.80	22.80	22.80	24.0	0.0	
90	QPSK	136	65	22.79	22.79	22.79	24.0	0.0	
90	QPSK	136	199	22.79	22.79	22.79	24.0	0.0	
90	QPSK	136	333	22.79	22.79	22.79	24.0	0.0	
90	QPSK	270	1	22.79	22.79	22.79	24.0	0.0	
90	QPSK	1	1	22.79	22.79	22.79	24.0	0.0	
90	QPSK	1	137	22.79	22.79	22.79	24.0	0.0	
90	QPSK	1	271	22.79	22.79	22.79	24.0	0.0	
90	QPSK	1	405	22.79	22.79	22.79	24.0	0.0	
90	QPSK	136	65	22.78	22.78	22.78	24.0	0.0	
90	QPSK	136	199	22.78	22.78	22.78	24.0	0.0	
90	QPSK	136	333	22.78	22.78	22.78	24.0	0.0	
90	QPSK	270	1	22.78	22.78	22.78	24.0	0.0	
90	QPSK	1	1	22.78	22.78	22.78	24.0	0.0	
90	QPSK	1	137	22.78	22.78	22.78	24.0	0.0	
90	QPSK	1	271	22.78	22.78	22.78	24.0	0.0	
90	QPSK	1	405	22.78	22.78	22.78	24.0	0.0	
90	QPSK	136	65	22.77	22.77	22.77	24.0	0.0	
90	QPSK	136	199	22.77	22.77	22.77	24.0	0.0	
90	QPSK	136	333	22.77	22.77	22.77	24.0	0.0	
90	QPSK	270	1	22.77	22.77	22.77	24.0	0.0	
90	QPSK	1	1	22.77	22.77	22.77	24.0	0.0	
90	QPSK	1	137	22.77	22.77	22.77	24.0	0.0	
90	QPSK	1	271	22.77	22.77	22.77	24.0	0.0	
90	QPSK	1	405	22.77	22.77	22.77	24.0	0.0	
90	QPSK	136	65	22.76	22.76	22.76	24.0	0.0	
90	QPSK	136	199	22.76	22.76	22.76	24.0	0.0	
90	QPSK	136	333	22.76	22.76	22.76	24.0	0.0	
90	QPSK	270	1	22.76	22.76	22.76	24.0	0.0	
90	QPSK	1	1	22.76	22.76	22.76	24.0	0.0	
90	QPSK	1	137	22.76	22.76	22.76	24.0	0.0	
90	QPSK	1	271	22.76	22.76	22.76	24.0	0.0	
90	QPSK	1	405	22.76	22.76	22.76	24.0	0.0	
90	QPSK	136	65	22.75	22.75	22.75	24.0	0.0	
90	QPSK	136	199	22.75	22.75	22.75	24.0	0.0	
90	QPSK	136	333	22.75	22.75	22.75	24.0	0.0	
90	QPSK	270	1	22.75	22.75	22.75	24.0	0.0	
90	QPSK	1	1	22.75	22.75	22.75	24.0	0.0	
90	QPSK	1	137	22.75	22.75	22			

Part270 n78 PC2 An3 DS13 Simultaneous									
Br [MHz]	Modulation	RF Size	RF Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Linking Rate [Mbps]	Latency [ms]
Frequency [MHz]				3750	3750	3750	3750		
100	PSK256QAM	1	1	24.38	24.38	24.38	24.38	25.4	0.0
100	PSK256QAM	1	137	24.38	24.38	24.38	24.38	25.4	0.0
100	PSK256QAM	1	271	24.31	24.31	24.31	24.31	25.4	0.0
100	PSK256QAM	135	65	24.31	24.31	24.31	24.31	25.4	0.0
100	PSK256QAM	135	139	24.31	24.31	24.31	24.31	25.4	0.0
100	QPSK16	1	1	24.42	24.42	24.42	24.42	25.4	0.0
100	QPSK16	1	137	24.42	24.42	24.42	24.42	25.4	0.0
100	QPSK16	1	271	24.34	24.34	24.34	24.34	25.4	0.0
100	QPSK16	135	65	24.34	24.34	24.34	24.34	25.4	0.0
100	QPSK16	135	139	24.34	24.34	24.34	24.34	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	271	1	24.35	24.35	24.35	24.35	25.4	0.0
100	QPSK16	135	136	24.35	24.35	24.35			

Part27Q 78 PC3 Ant3 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Main Ch. 1 (dBm)	Power Main Ch. 2 (dBm)	Power High Ch. 1 (dBm)	Time-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		23.02				
100	PI2-BPSK	1	137		23.02		24.0	0.0	
100	PI2-BPSK	1	271		23.08				
100	PI2-BPSK	135	0		22.83		23.5	0.5	
100	PI2-BPSK	135	68		22.86		24.0	0.0	
100	PI2-BPSK	135	138		22.85		23.5	0.5	
100	PI2-BPSK	270	0		22.61				
100	QPSK	1	1		23.12				
100	QPSK	1	137		23.04		24.0	0.0	
100	QPSK	1	271		22.86				
100	QPSK	135	0		22.12		24.0	0.0	
100	QPSK	135	68		22.03		24.0	0.0	
100	QPSK	135	138		22.12		24.0	0.0	
100	QPSK	270	0		22.14				
100	SSB-AM	1	1		22.82		24.0	0.0	
100	SSB-AM	1	1		22.81		23.5	2.5	
100	25QAM	1	1		18.57		19.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.52	22.51	23.04	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.59	23.03	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.98	23.07	23.05	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.97	22.99	23.04	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.95	22.98	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.02	23.06	23.03	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.01	23.07	23.06	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.07	22.98	23.01	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.05	23.07	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.02	23.03	23.08	24.0	0.0	

Part27Q 78 PC2 Ant3 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Main Ch. 1 (dBm)	Power Main Ch. 2 (dBm)	Power High Ch. 1 (dBm)	Time-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		24.02				
100	PI2-BPSK	1	137		24.09		25.4	0.0	
100	PI2-BPSK	1	271		24.04				
100	PI2-BPSK	135	0		24.03		25.4	0.0	
100	PI2-BPSK	135	68		24.02		25.4	0.0	
100	PI2-BPSK	135	138		24.09		25.4	0.0	
100	PI2-BPSK	270	0		24.12				
100	QPSK	1	1		24.15				
100	QPSK	1	137		24.08		25.4	0.0	
100	QPSK	1	271		24.06				
100	QPSK	135	0		24.05		25.4	0.0	
100	QPSK	135	68		24.08		25.4	0.0	
100	QPSK	135	138		24.02		25.4	0.0	
100	QPSK	270	0		24.02				
100	SSB-AM	1	1		24.12		26.4	0.0	
100	SSB-AM	1	1		23.75		25.0	0.8	
100	25QAM	1	1		23.84		23.0	2.4	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.27	24.27	24.28	24.4	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.20	24.26	24.26	24.4	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.32	24.30	24.28	25.4	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.33	24.28	24.31	25.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.32	24.30	24.27	25.4	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.32	24.26	24.31	25.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.31	24.30	24.27	25.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.30	24.38	24.31	25.4	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.29	24.29	24.33	25.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.29	24.30	24.29	25.4	0.0	

n41 PC3&PC2 Ant3 DS3 Simultaneous									
RF Band	Modulation	RF SS	RF Chdrt	Power Frac. (dBm)	Power Frac. (dBm)	Power Frac. (dBm)	100% Tx (dBm)	100% Rx (dB)	MT (dB)
500	FSSB	1	Frequency (MHz)	204.11	203.97	204.11			
			Channel	000000	01-B0000	000000			
	PC3	1	187	18.22	18.33	18.15	20.0	0.0	
	PC2	1	271	18.16	18.22	18.19			
	PC3	138	8	18.13	18.22	18.15	20.0	0.0	
	PC2	138	138	18.13	18.34	18.15	20.0	0.0	
	PC3	239	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	1	18.38	18.44	18.32			
	PC3	138	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	271	18.27	18.37	18.28			
500	FSSB	1	Frequency (MHz)	18.23	18.28	18.24	20.0	0.0	
			Channel	000000	01-B0000	000000			
	PC3	138	8	18.13	18.22	18.15	20.0	0.0	
	PC2	138	138	18.13	18.31	18.15	20.0	0.0	
	PC3	239	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	1	18.35	18.41	18.32			
	PC3	138	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	271	18.27	18.37	18.28			
	PC3	138	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	1	18.39	18.44	18.32	20.0	0.0	
500	FSSB	1	Frequency (MHz)	18.23	18.28	18.24	20.0	0.0	
			Channel	000000	01-B0000	000000			
	PC3	138	8	18.13	18.22	18.15	20.0	0.0	
	PC2	138	138	18.13	18.31	18.15	20.0	0.0	
	PC3	239	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	1	18.35	18.41	18.32			
	PC3	138	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	271	18.27	18.37	18.28			
	PC3	138	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	1	18.39	18.44	18.32	20.0	0.0	
500	FSSB	1	Frequency (MHz)	18.23	18.28	18.24	20.0	0.0	
			Channel	000000	01-B0000	000000			
	PC3	138	8	18.13	18.22	18.15	20.0	0.0	
	PC2	138	138	18.13	18.31	18.15	20.0	0.0	
	PC3	239	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	1	18.35	18.41	18.32			
	PC3	138	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	271	18.27	18.37	18.28			
	PC3	138	138	18.24	18.36	18.15	20.0	0.0	
	PC2	1	1	18.39	18.44	18.32	20.0	0.0	

[illegible][illegible]



Part27Q n77 DS13 Simultaneous ANT3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (dBm)	Power Max Ch. 1 (dBm)	Power High Ch. 1 (dBm)	Power Low Ch. 2 (dBm)	Power High Ch. 2 (dBm)	MPR (dB)
Channel									
100	PSSBPSK	1	1	22.49					
100	PSSBPSK	1	137	22.53			24.0	0.0	
100	PSSBPSK	1	271	22.48					
100	PSSBPSK	135	0	22.58			23.5	0.5	
100	PSSBPSK	135	86	22.55			24.5	0.5	
100	PSSBPSK	135	138	21.38			23.5	0.5	
100	PSSBPSK	270	0	22.21					
100	QPSK	1	1	22.60					
100	QPSK	1	137	22.55			24.0	0.0	
100	QPSK	1	271	22.57					
100	QPSK	135	0	22.59			24.0	0.0	
100	QPSK	135	86	22.55			24.0	0.0	
100	QPSK	135	138	22.40			24.0	0.0	
100	QPSK	270	0	22.50					
100	SAGM	1	1	22.52			24.0	0.0	
100	SAGM	1	1	25.17			25.5	2.5	
100	25GQAM	1	1	17.98			19.5	4.5	
Channel									
80	QPSK	1	1	22.22	22.16	22.16	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.22	22.16	22.16	24.0	0.0	
Channel									
80	QPSK	1	1	25.12	25.18	25.12	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	25.12	25.18	25.12	24.0	0.0	
Channel									
70	QPSK	1	1	22.15	22.18	22.17	24.0	0.0	
Frequency (MHz)									
70	QPSK	1	1	22.15	22.18	22.17	24.0	0.0	
Channel									
60	QPSK	1	1	22.11	22.19	22.15	24.0	0.0	
Frequency (MHz)									
60	QPSK	1	1	22.11	22.19	22.15	24.0	0.0	
Channel									
50	QPSK	1	1	22.11	22.19	22.15	24.0	0.0	
Frequency (MHz)									
50	QPSK	1	1	22.11	22.19	22.15	24.0	0.0	
Channel									
40	QPSK	1	1	22.12	22.18	22.15	24.0	0.0	
Frequency (MHz)									
40	QPSK	1	1	22.12	22.18	22.15	24.0	0.0	
Channel									
30	QPSK	1	1	22.17	22.14	22.15	24.0	0.0	
Frequency (MHz)									
30	QPSK	1	1	22.17	22.14	22.15	24.0	0.0	
Channel									
20	QPSK	1	1	22.22	22.20	22.13	24.0	0.0	
Frequency (MHz)									
20	QPSK	1	1	22.22	22.20	22.13	24.0	0.0	
Channel									
15	QPSK	1	1	22.13	22.20	22.20	24.0	0.0	
Frequency (MHz)									
15	QPSK	1	1	22.13	22.20	22.20	24.0	0.0	
Channel									
10	QPSK	1	1	22.20	22.20	22.17	24.0	0.0	
Frequency (MHz)									
10	QPSK	1	1	22.20	22.20	22.17	24.0	0.0	

Part27Q n77 PC2 Ant3 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (dBm)	Power Max Ch. 1 (dBm)	Power High Ch. 1 (dBm)	Power Low Ch. 2 (dBm)	Power High Ch. 2 (dBm)	MPR (dB)
Channel									
100	PSSBPSK	1	1	22.83					
100	PSSBPSK	1	137	22.83			24.0	0.0	
100	PSSBPSK	1	271	22.72					
100	PSSBPSK	135	0	22.82			24.0	0.0	
100	PSSBPSK	135	86	22.82			24.5	0.5	
100	PSSBPSK	135	138	22.82			24.0	0.0	
100	PSSBPSK	270	0	22.92					
100	QPSK	1	1	22.88					
100	QPSK	1	137	22.88			24.0	0.0	
100	QPSK	1	271	22.87					
100	QPSK	135	0	22.82			24.0	0.0	
100	QPSK	135	86	22.91			24.0	0.0	
100	QPSK	135	138	22.76			24.0	0.0	
100	QPSK	270	0	22.80					
100	SAGM	1	1	22.76			24.0	0.0	
100	SAGM	1	1	22.80			24.0	0.0	
100	25GQAM	1	1	21.34			23.0	1.0	
Channel									
80	QPSK	1	1	22.81	22.84	22.78	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.81	22.84	22.78	24.0	0.0	
Channel									
80	QPSK	1	1	22.20	22.33	22.23	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.20	22.33	22.23	24.0	0.0	
Channel									
70	QPSK	1	1	22.20	22.40	22.23	24.0	0.0	
Frequency (MHz)									
70	QPSK	1	1	22.20	22.40	22.23	24.0	0.0	
Channel									
60	QPSK	1	1	22.19	22.41	22.24	24.0	0.0	
Frequency (MHz)									
60	QPSK	1	1	22.19	22.41	22.24	24.0	0.0	
Channel									
50	QPSK	1	1	22.18	22.40	22.19	24.0	0.0	
Frequency (MHz)									
50	QPSK	1	1	22.18	22.40	22.19	24.0	0.0	
Channel									
40	QPSK	1	1	22.14	22.40	22.13	24.0	0.0	
Frequency (MHz)									
40	QPSK	1	1	22.14	22.40	22.13	24.0	0.0	
Channel									
30	QPSK	1	1	22.19	22.40	22.20	24.0	0.0	
Frequency (MHz)									
30	QPSK	1	1	22.19	22.40	22.20	24.0	0.0	
Channel									
20	QPSK	1	1	22.18	22.35	22.18	24.0	0.0	
Frequency (MHz)									
20	QPSK	1	1	22.18	22.35	22.18	24.0	0.0	
Channel									
15	QPSK	1	1	22.20	22.40	22.23	24.0	0.0	
Frequency (MHz)									
15	QPSK	1	1	22.20	22.40	22.23	24.0	0.0	
Channel									
10	QPSK	1	1	22.15	22.38	22.20	24.0	0.0	
Frequency (MHz)									
10	QPSK	1	1	22.15	22.38	22.20	24.0	0.0	

Part27O n78 DS13 Simultaneous ANT3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (dBm)	Power Max Ch. 1 (dBm)	Power High Ch. 1 (dBm)	Power Low Ch. 2 (dBm)	Power High Ch. 2 (dBm)	MPR (dB)
Channel									
100	Frequency (MHz)			22.80			23.00		
100	PSSBPSK	1	1	22.84					
100	PSSBPSK	1	137	22.83			24.0	0.0	
100	PSSBPSK	1	271	22.80					
100	PSSBPSK	135	0	22.45			23.5	0.5	
100	PSSBPSK	135	86	22.58			24.5	0.5	
100	PSSBPSK	135	138	22.52			23.5	0.5	
100	PSSBPSK	270	0	22.48					
100	QPSK	1	1	22.87					
100	QPSK	1	137	22.84			24.0	0.0	
100	QPSK	1	271	22.85					
100	QPSK	135	0	22.85			24.0	0.0	
100	QPSK	135	86	22.88			24.0	0.0	
100	QPSK	135	138	22.88			24.0	0.0	
100	QPSK	270	0	22.88					
100	SAGM	1	1	22.84			24.0	0.0	
100	SAGM	1	1	22.87			24.5	2.5	
100	25GQAM	1	1	18.38			19.5	4.5	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Channel									
80	QPSK	1	1	22.80	22.83	22.83	24.0	0.0	
Frequency (MHz)									

Part27Q n78 DSI3 Simultaneous ANT3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak EIRP(dBm)	Power Max Ch. 1 Peak EIRP(dBm)	Power High Ch. 1 Peak EIRP(dBm)	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	Fluc BPSK	1	1	23.02			
100	Fluc BPSK	1	137	23.02		24.0	0.0
100	Fluc BPSK	1	271	23.08			
100	Fluc BPSK	135	0	22.82		23.5	0.0
100	Fluc BPSK	135	86	22.86		24.0	0.0
100	Fluc BPSK	135	158	22.85		23.5	0.0
100	Fluc BPSK	270	0	22.81			
100	QPSK	1	1	22.12			
100	QPSK	1	137	22.04		24.0	0.0
100	QPSK	1	271	22.06			
100	QPSK	135	0	22.12		24.0	0.0
100	QPSK	135	86	22.13		24.0	0.0
100	QPSK	135	158	22.12		24.0	0.0
100	QPSK	270	0	22.14		24.0	0.0
100	16QAM	1	1	22.56		24.0	0.0
100	16QAM	1	1	20.81		21.5	2.5
100	256QAM	1	1	18.97		19.5	4.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.09	22.09	22.04	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.09	22.09	22.04	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.06	22.07	22.05	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.07	22.08	22.04	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.09	22.08	22.01	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.09	22.06	22.02	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.01	22.07	22.05	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.07	22.08	22.01	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.05	22.07	22.05	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.02	22.03	22.05	0.0

Part27Q n78 PC2 Ant3 DSI3 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak EIRP(dBm)	Power Max Ch. 1 Peak EIRP(dBm)	Power High Ch. 1 Peak EIRP(dBm)	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	Fluc BPSK	1	1	22.87			
100	Fluc BPSK	1	137	22.82		24.0	0.0
100	Fluc BPSK	1	271	22.78			
100	Fluc BPSK	135	0	22.85		24.0	0.0
100	Fluc BPSK	135	86	22.84		24.0	0.0
100	Fluc BPSK	135	158	22.85		24.0	0.0
100	Fluc BPSK	270	0	22.80			
100	QPSK	1	1	22.02			
100	QPSK	1	137	22.01		24.0	0.0
100	QPSK	1	271	22.06			
100	QPSK	135	0	22.15		24.0	0.0
100	QPSK	135	86	22.16		24.0	0.0
100	QPSK	135	158	22.15		24.0	0.0
100	QPSK	270	0	22.15		24.0	0.0
100	16QAM	1	1	22.52		24.0	0.0
100	16QAM	1	1	22.78		24.0	0.0
100	256QAM	1	1	21.81		23.0	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.15	22.17	22.12	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.15	22.16	22.15	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.15	22.16	22.16	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.18	22.18	22.18	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.10	22.10	22.10	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.10	22.10	22.10	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.14	22.14	22.14	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.15	22.15	22.15	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.11	22.12	22.14	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.16	22.17	22.12	0.0

n41 PC2&PC3 Ant4 DS13 Simultaneous								
BW [MHz]	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	17.1	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.02	16.20	15.97		
100	PI/2 BPSK	1	137	16.05	16.14	16.02		
100	PI/2 BPSK	1	271	16.11	16.17	15.96	17.1	0.0
100	PI/2 BPSK	135	0	16.00	16.09	15.98		
100	PI/2 BPSK	135	69	15.99	16.20	16.05		
100	PI/2 BPSK	135	138	16.10	16.12	16.02		
100	PI/2 BPSK	270	0	16.06	16.12	16.06	17.1	0.0
100	QPSK	1	1	16.15	16.24	16.11		
100	QPSK	1	137	15.99	16.12	15.96		
100	QPSK	1	271	16.06	16.12	16.06		
100	QPSK	135	0	15.91	15.94	15.82	17.1	0.0
100	QPSK	135	69	15.88	15.98	15.82	17.1	0.0
100	QPSK	135	138	15.80	15.89	15.85	17.1	0.0
100	QPSK	270	0	15.71	15.78	15.59	17.1	0.0
100	16QAM	1	1	15.83	15.92	15.86	17.1	0.0
100	64QAM	1	1	15.83	15.97	15.78	17.1	0.0
100	256QAM	1	1	15.89	15.93	15.80	17.1	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	17.1	0.0
90	QPSK	1	1	15.59	15.62	15.49		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	17.1	0.0
80	QPSK	1	1	15.59	15.65	15.47		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	17.1	0.0
70	QPSK	1	1	15.57	15.74	15.54		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	17.1	0.0
60	QPSK	1	1	15.65	15.71	15.47		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	17.1	0.0
50	QPSK	1	1	15.58	15.68	15.54		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	17.1	0.0
40	QPSK	1	1	15.66	15.67	15.49		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	17.1	0.0
30	QPSK	1	1	15.58	15.69	15.50		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	17.1	0.0
20	QPSK	1	1	15.64	15.65	15.53		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	656000	662000		
Frequency (MHz)				3762	3840	3930		
100	PI/2 BPSK	1	1	16.94	17.02	16.79		
100	PI/2 BPSK	1	137	16.96	16.95	16.73	18.1	0.0
100	PI/2 BPSK	1	271	16.96	17.02	16.78		
100	PI/2 BPSK	135	0	16.96	16.98	16.73	18.1	0.0
100	PI/2 BPSK	135	69	16.97	17.03	16.80	18.1	0.0
100	PI/2 BPSK	135	138	16.90	16.93	16.70		
100	PI/2 BPSK	270	0	16.92	16.97	16.80	18.1	0.0
100	QPSK	1	1	17.03	17.08	16.85		
100	QPSK	1	137	16.98	16.97	16.76	18.1	0.0
100	QPSK	1	271	16.94	16.94	16.74		
100	QPSK	135	0	16.89	17.00	16.81	18.1	0.0
100	QPSK	135	69	16.92	17.04	16.76	18.1	0.0
100	QPSK	135	138	16.90	16.98	16.72	18.1	0.0
100	QPSK	270	0	16.97	17.02	16.72		
100	16QAM	1	1	16.96	16.95	16.72	18.1	0.0
100	64QAM	1	1	16.95	16.95	16.77	18.1	0.0
100	256QAM	1	1	16.98	16.95	16.73	18.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.90	16.80	16.57	18.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.88	16.84	16.56	18.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.87	16.88	16.68	18.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.89	16.84	16.62	18.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.86	16.88	16.58	18.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.91	16.86	16.59	18.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.89	16.85	16.62	18.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.85	16.86	16.61	18.1	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.90	16.82	16.65	18.1	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.87	16.84	16.59	18.1	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334			
Frequency (MHz)				3495	3500.01			
100	PI/2 BPSK	1	1		17.20			
100	PI/2 BPSK	1	137		17.21		18.1	0.0
100	PI/2 BPSK	1	271		17.17			
100	PI/2 BPSK	135	0		17.18		18.1	0.0
100	PI/2 BPSK	135	69		17.23		18.1	0.0
100	PI/2 BPSK	135	138		17.24		18.1	0.0
100	PI/2 BPSK	270	0		17.22			
100	QPSK	1	1		17.32			
100	QPSK	1	137		17.20		18.1	0.0
100	QPSK	1	271		17.20			
100	QPSK	135	0		17.25		18.1	0.0
100	QPSK	135	69		17.26		18.1	0.0
100	QPSK	135	138		17.22		18.1	0.0
100	QPSK	270	0		17.20			
100	16QAM	1	1		17.18		18.1	0.0
100	64QAM	1	1		17.26		18.1	0.0
100	256QAM	1	1		17.22		18.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.94	17.15	17.01	18.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.92	17.15	16.98	18.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.85	17.10	17.00	18.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.95	17.05	16.97	18.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.86	17.06	17.07	18.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.94	17.07	17.06	18.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.94	17.08	17.04	18.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.92	17.10	17.03	18.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.94	17.08	16.99	18.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.91	17.08	17.00	18.1	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	16.84	17.00	16.81		
100	PI/2 BPSK	1	137	16.77	16.97	16.80	18.1	0.0
100	PI/2 BPSK	1	271	16.87	16.90	16.80		
100	PI/2 BPSK	135	0	16.80	16.98	16.84	18.1	0.0
100	PI/2 BPSK	135	69	16.77	16.97	16.89	18.1	0.0
100	PI/2 BPSK	135	138	16.77	17.00	16.80		
100	PI/2 BPSK	270	0	16.81	16.97	16.87	18.1	0.0
100	QPSK	1	1	16.82	17.05	16.95		
100	QPSK	1	137	16.82	16.95	16.81	18.1	0.0
100	QPSK	1	271	16.79	17.00	16.88		
100	QPSK	135	0	16.82	16.93	16.81	18.1	0.0
100	QPSK	135	69	16.79	16.97	16.89	18.1	0.0
100	QPSK	135	138	16.81	16.90	16.82	18.1	0.0
100	QPSK	270	0	16.78	16.95	16.82		
100	16QAM	1	1	16.81	16.91	16.83	18.1	0.0
100	64QAM	1	1	16.79	16.90	16.89	18.1	0.0
100	256QAM	1	1	16.81	16.97	16.82	18.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.71	16.87	16.74	18.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.67	16.88	16.76	18.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.68	16.88	16.72	18.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.68	16.83	16.74	18.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.76	16.86	16.70	18.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.76	16.87	16.67	18.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.75	16.81	16.73	18.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.77	16.78	16.76	18.1	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.78	16.82	16.68	18.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.75	16.82	16.65	18.1	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.22			
100	PI/2 BPSK	1	137		17.11		18.1	0.0
100	PI/2 BPSK	1	271		17.18			
100	PI/2 BPSK	135	0		17.16		18.1	0.0
100	PI/2 BPSK	135	69		17.21		18.1	0.0
100	PI/2 BPSK	135	138		17.20		18.1	0.0
100	PI/2 BPSK	270	0		17.12			
100	QPSK	1	1		17.26			
100	QPSK	1	137		17.19		18.1	0.0
100	QPSK	1	271		17.16			
100	QPSK	135	0		17.18		18.1	0.0
100	QPSK	135	69		17.20		18.1	0.0
100	QPSK	135	138		17.12		18.1	0.0
100	QPSK	270	0		17.15			
100	16QAM	1	1		17.12		18.1	0.0
100	64QAM	1	1		17.11		18.1	0.0
100	256QAM	1	1		17.18		18.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.00	17.07	17.04	18.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.02	17.05	17.06	18.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.01	17.02	16.97	18.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.05	17.06	17.00	18.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.05	17.03	17.03	18.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.04	17.00	17.06	18.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.96	17.00	17.05	18.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.07	17.00	17.06	18.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.97	17.06	16.97	18.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.04	17.05	17.05	18.1	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	656000	662000		
Frequency (MHz)				3760	3840	3930		
100	PI/2 BPSK	1	1	12.69	12.84	12.78		
100	PI/2 BPSK	1	137	12.76	12.89	12.74	14.5	0.0
100	PI/2 BPSK	1	271	12.68	12.86	12.73		
100	PI/2 BPSK	135	0	12.71	12.90	12.82	14.5	0.0
100	PI/2 BPSK	135	69	12.72	12.87	12.75	14.5	0.0
100	PI/2 BPSK	135	138	12.77	12.84	12.77		
100	PI/2 BPSK	270	0	12.67	12.89	12.71	14.5	0.0
100	QPSK	1	1	12.81	12.98	12.86		
100	QPSK	1	137	12.76	12.83	12.80	14.5	0.0
100	QPSK	1	271	12.68	12.93	12.71		
100	QPSK	135	0	12.75	12.85	12.79	13.5	1.0
100	QPSK	135	69	12.70	12.88	12.81	14.5	0.0
100	QPSK	135	138	12.68	12.82	12.78		
100	QPSK	270	0	12.76	12.85	12.80	13.5	1.0
100	16QAM	1	1	12.71	12.93	12.78	14.5	0.0
100	64QAM	1	1	12.74	12.83	12.75	14.5	0.0
100	256QAM	1	1	12.67	12.87	12.70	14.5	0.0
Channel				849668	856000	862334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.64	12.89	12.62	14.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.59	12.81	12.70	14.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.57	12.79	12.73	14.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.60	12.89	12.67	14.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.55	12.87	12.63	14.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.66	12.80	12.64	14.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.66	12.87	12.70	14.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.65	12.79	12.65	14.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.65	12.81	12.64	14.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.62	12.86	12.70	14.5	0.0

Part27Q n77 PC3&PC2 Ant7 DSI3 Simultaneous

BW [MHz]	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		12.77			
100	PI/2 BPSK	1	137		12.77		14.5	0.0
100	PI/2 BPSK	1	271		12.75			
100	PI/2 BPSK	135	0		12.74		14.5	0.0
100	PI/2 BPSK	135	69		12.84		14.5	0.0
100	PI/2 BPSK	135	138		12.82		14.5	0.0
100	PI/2 BPSK	270	0		12.73			
100	QPSK	1	1		12.88			
100	QPSK	1	137		12.82		14.5	0.0
100	QPSK	1	271		12.84			
100	QPSK	135	0		12.75		13.5	1.0
100	QPSK	135	69		12.78		14.5	0.0
100	QPSK	135	138		12.76		13.5	1.0
100	QPSK	270	0		12.74			
100	16QAM	1	1		12.83		14.5	0.0
100	64QAM	1	1		12.73		14.5	0.0
100	256QAM	1	1		12.80		14.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.78	12.76	12.73	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.74	12.76	12.71	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.75	12.75	12.73	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.73	12.77	12.73	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.69	12.76	12.77	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.68	12.70	12.73	14.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.72	12.75	12.71	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.72	12.75	12.74	14.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.70	12.79	12.79	14.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.77	12.75	12.69	14.5	0.0

Part270 n78 PC3&PC2 Ant7 DSIs Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	12.64	12.91	12.72		14.5	0.0
100	PI/2 BPSK	1	137	12.76	12.87	12.69			
100	PI/2 BPSK	1	271	12.71	12.81	12.67			
100	PI/2 BPSK	135	0	12.73	12.89	12.76	14.5		
100	PI/2 BPSK	135	69	12.73	12.87	12.72	14.5	0.0	0.0
100	PI/2 BPSK	135	138	12.75	12.91	12.72	14.5	0.0	0.0
100	QPSK	1	1	12.73	12.92	12.71		14.5	0.0
100	QPSK	1	137	12.80	12.86	12.82			
100	QPSK	1	271	12.76	12.80	12.70			
100	QPSK	1	271	12.65	12.82	12.71			
100	QPSK	135	0	12.75	12.81	12.69	13.5	1.0	1.0
100	QPSK	135	69	12.67	12.90	12.76	14.5	0.0	0.0
100	QPSK	135	138	12.70	12.84	12.74	13.5	1.0	1.0
100	QPSK	270	0	12.69	12.84	12.71			
100	16QAM	1	1	12.72	12.88	12.67	14.5	0.0	0.0
100	64QAM	1	1	12.68	12.89	12.71	14.5	0.0	0.0
100	256QAM	1	1	12.66	12.86	12.70	14.5	0.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	12.59	12.75	12.65	14.5	0.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	12.58	12.75	12.70	14.5	0.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	12.60	12.76	12.68	14.5	0.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	12.65	12.80	12.69	14.5	0.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	12.61	12.77	12.68	14.5	0.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	12.57	12.76	12.65	14.5	0.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	12.60	12.68	12.66	14.5	0.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	12.57	12.73	12.60	14.5	0.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	12.58	12.75	12.62	14.5	0.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	12.65	12.78	12.63	14.5	0.0	0.0

Part27Q 78 PC3&PC2 Ant7 DSIs Simultaneous									
BW [MHz]	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		12.66			14.5	0.0
100	PI/2 BPSK	1	137		12.68				
100	PI/2 BPSK	1	271		12.78				
100	PI/2 BPSK	135	0		12.75		14.5		
100	PI/2 BPSK	135	69		12.78		14.5	0.0	0.0
100	PI/2 BPSK	135	138		12.73		14.5	0.0	0.0
100	QPSK	270	0		12.75			14.5	0.0
100	QPSK	1	1		12.82				
100	QPSK	1	137		12.81				
100	QPSK	1	271		12.72				
100	QPSK	135	0		12.76		13.5	1.0	1.0
100	QPSK	135	69		12.80		14.5	0.0	0.0
100	QPSK	135	138		12.74		13.5	1.0	1.0
100	QPSK	270	0		12.73				
100	16QAM	1	1		12.67		14.5	0.0	0.0
100	64QAM	1	1		12.74		14.5	0.0	0.0
100	256QAM	1	1		12.69		14.5	0.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	12.78	12.74	12.75	14.5	0.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	12.85	12.82	12.83	14.5	0.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	12.74	12.79	12.82	14.5	0.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	12.74	12.79	12.80	14.5	0.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	12.80	12.76	12.77	14.5	0.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	12.73	12.77	12.79	14.5	0.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	12.76	12.83	12.75	14.5	0.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	12.85	12.76	12.84	14.5	0.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	12.79	12.84	12.81	14.5	0.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	12.77	12.79	12.77	14.5	0.0	0.0

Reduced Power for DSI 4

Par27O n77 PC2 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				650000	656000	662000	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.21	22.41	22.30	24.0	0.0	
100	PI/2 BPSK	1	137	22.13	22.26	22.01			
100	PI/2 BPSK	1	271	22.13	22.31	22.18	24.0	0.0	
100	PI/2 BPSK	135	0	22.05	22.27	22.37			
100	PI/2 BPSK	135	69	22.28	22.19	22.01	24.0	0.0	
100	PI/2 BPSK	135	138	22.12	22.20	22.22			
100	PI/2 BPSK	270	0	22.19	22.37	22.22	24.0	0.0	
100	QPSK	1	1	22.31	22.45	22.33			
100	QPSK	1	137	22.23	22.26	22.11	24.0	0.0	
100	QPSK	1	271	22.27	22.35	22.29			
100	QPSK	135	0	22.32	22.37	22.30	24.0	0.0	
100	QPSK	135	69	22.13	22.36	22.20			
100	QPSK	135	138	22.15	22.32	22.10	24.0	0.0	
100	QPSK	270	0	22.22	22.34	22.26			
100	16QAM	1	1	22.13	22.27	22.05	24.0	0.0	
100	64QAM	1	1	22.20	22.12	22.15			
100	256QAM	1	1	22.23	22.44	22.19	23.0	1.0	
Channel				649668	656000	662334	24.0	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.13	22.20	22.10	24.0	0.0	
Channel				648334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02	24.0	0.0	
80	QPSK	1	1	22.09	22.12	22.04		0.0	
Channel				648000	656000	663000	24.0	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.12	22.19	22.12	24.0	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01	24.0	0.0	
60	QPSK	1	1	22.02	22.14	22.05		0.0	
Channel				648334	656000	663668	24.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.12	22.20	22.07	24.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960	24.0	0.0	
40	QPSK	1	1	22.07	22.11	22.08		0.0	
Channel				647668	656000	664334	24.0	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.06	22.14	22.06	24.0	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02	24.0	0.0	
20	QPSK	1	1	22.12	22.11	22.08		0.0	
Channel				647168	656000	664834	24.0	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.01	22.10	22.04	24.0	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975	24.0	0.0	
10	QPSK	1	1	22.07	22.19	22.07		0.0	

Part27Q n77 PC2 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				633000		633334	24.0	0.0	
Frequency (MHz)				3495		3500.01			
100	PI/2 BPSK	1	1	22.57			24.0	0.0	
100	PI/2 BPSK	1	137	22.50					
100	PI/2 BPSK	1	271	22.47			24.0	0.0	
100	PI/2 BPSK	135	0	22.52					
100	PI/2 BPSK	135	69	22.36			24.0	0.0	
100	PI/2 BPSK	135	138	22.37					
100	PI/2 BPSK	270	0	22.56			24.0	0.0	
100	QPSK	1	1	22.67					
100	QPSK	1	137	22.52			24.0	0.0	
100	QPSK	1	271	22.53					
100	QPSK	135	0	22.51			23.0	1.0	
100	QPSK	135	69	22.55					
100	QPSK	135	138	22.48			23.0	1.0	
100	QPSK	270	0	22.48					
100	16QAM	1	1	22.41			24.0	0.0	
100	64QAM	1	1	22.36					
100	256QAM	1	1	22.65			23.0	1.0	
Channel				633000	633334	633668	24.0	0.0	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	22.34	22.48	22.35	24.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0	
80	QPSK	1	1	22.39	22.43	22.43		0.0	
Channel				632334	633334	634334	24.0	0.0	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	22.34	22.43	22.41	24.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0	
60	QPSK	1	1	22.33	22.47	22.33		0.0	
Channel				631668	633334	635000	24.0	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	22.39	22.49	22.39	24.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0	
40	QPSK	1	1	22.40	22.49	22.41		0.0	
Channel				631000	633334	635668	24.0	0.0	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	22.42	22.49	22.41	24.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0	
20	QPSK	1	1	22.33	22.47	22.33		0.0	
Channel				630500	633334	636168	24.0	0.0	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	22.38	22.44	22.32	24.0	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	24.0	0.0	
10	QPSK	1	1	22.36	22.53	22.35		0.0	

Part270 n78 PC2 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				650000	650000	650000	24.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.05		24.0	0.0	
100	PI/2 BPSK	1	137		22.21				
100	PI/2 BPSK	1	271		22.19				
100	PI/2 BPSK	135	0		22.20		24.0	0.0	
100	PI/2 BPSK	135	69		22.04		24.0	0.0	
100	PI/2 BPSK	135	138		22.15		24.0	0.0	
100	PI/2 BPSK	270	0		22.29				
100	QPSK	1	1		22.30		24.0	0.0	
100	QPSK	1	137		22.19				
100	QPSK	1	271		22.24				
100	QPSK	135	0		22.27		24.0	0.0	
100	QPSK	135	69		22.21		24.0	0.0	
100	QPSK	135	138		22.22		24.0	0.0	
100	QPSK	270	0		22.27				
100	16QAM	1	1		22.18		24.0	0.0	
100	64QAM	1	1		22.05		24.0	0.0	
100	256QAM	1	1		22.29		23.0	1.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.00	22.01	24.0	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.09	22.13	21.99	24.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.06	22.08	22.04	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.09	22.08	22.05	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.04	22.08	22.05	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.06	22.09	22.03	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.11	22.19	22.13	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.11	22.14	22.12	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.13	22.21	22.05	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.13	22.19	22.09	24.0	0.0

Part27Q n78 PC2 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					633334		24.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.45		24.0	0.0	
100	PI/2 BPSK	1	137		22.34				
100	PI/2 BPSK	1	271		22.34				
100	PI/2 BPSK	135	0		22.48		24.0	0.0	
100	PI/2 BPSK	135	69		22.27		24.0	0.0	
100	PI/2 BPSK	135	138		22.28		24.0	0.0	
100	PI/2 BPSK	270	0		22.51				
100	QPSK	1	1		22.52		24.0	0.0	
100	QPSK	1	137		22.42				
100	QPSK	1	271		22.47				
100	QPSK	135	0		22.40		24.0	0.0	
100	QPSK	135	69		22.45		24.0	0.0	
100	QPSK	135	138		22.41		24.0	0.0	
100	QPSK	270	0		22.35				
100	16QAM	1	1		22.27		24.0	0.0	
100	64QAM	1	1		22.28		24.0	0.0	
100	256QAM	1	1		22.15		23.0	1.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		22.30	22.38	22.25	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		22.28	22.41	22.31	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		22.31	22.39	22.31	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		22.23	22.34	22.31	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		22.26	22.34	22.32	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		22.29	22.42	22.32	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		22.25	22.33	22.26	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		22.27	22.34	22.29	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		22.24	22.34	22.25	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		22.24	22.35	22.31	24.0	0.0



n41 PC3&PC2 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				5060.02	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	19.33	19.28	19.23	20.8	0.0	
100	PI2 BPSK	1	137	19.20	19.33	19.13			
100	PI2 BPSK	1	271	19.16	19.22	19.19			
100	PI2 BPSK	135	0	19.26	19.31	19.20			
100	PI2 BPSK	135	69	19.13	19.34	19.18	20.8	0.0	
100	PI2 BPSK	135	138	19.14	19.31	19.24	20.8	0.0	
100	PI2 BPSK	270	0	19.34	19.36	19.19	20.8	0.0	
100	QPSK	1	1	19.36	19.44	19.32			
100	QPSK	1	137	19.28	19.36	19.24			
100	QPSK	1	271	19.27	19.37	19.28			
100	QPSK	135	0	19.23	19.28	19.24	20.8	0.0	
100	QPSK	135	69	19.20	19.36	19.12	20.8	0.0	
100	QPSK	135	138	19.18	19.31	19.18	20.8	0.0	
100	16QAM	1	1	19.24	19.26	19.19	20.8	0.0	
100	64QAM	1	1	19.19	19.24	19.21	20.8	0.0	
100	256QAM	1	1	19.24	19.35	19.24	20.8	0.0	
Channel				506200	518598	528998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2641	2592.99	2644.08			
90	QPSK	1	1	19.11	19.19	19.14	20.8	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.12	19.24	19.11	20.8	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2631.01	2592.99	2665			
70	QPSK	1	1	19.04	19.23	19.07	20.8	0.0	
Channel				506200	518598	531998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2626	2592.99	2659.98			
60	QPSK	1	1	19.08	19.26	19.11	20.8	0.0	
Channel				506204	518598	532000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	19.10	19.16	19.06	20.8	0.0	
Channel				506202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.05	19.20	19.04	20.8	0.0	
Channel				506200	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	1	19.12	19.22	19.06	20.8	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.09	19.21	19.10	20.8	0.0	

Par270 n77 PC2 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				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.86	23.02	22.90	24.0	0.0	
100	PI2 BPSK	1	137	22.86	22.95	22.77			
100	PI2 BPSK	1	271	22.79	22.89	22.79			
100	PI2 BPSK	135	0	22.88	23.02	22.84			
100	PI2 BPSK	135	69	22.80	22.95	22.73	24.0	0.0	
100	PI2 BPSK	135	138	22.80	22.83	22.75	24.0	0.0	
100	PI2 BPSK	270	0	22.93	23.02	22.88	24.0	0.0	
100	QPSK	1	1	23.01	23.08	22.98			
100	QPSK	1	137	22.95	23.03	22.85			
100	QPSK	1	271	22.89	22.98	22.87			
100	QPSK	135	0	22.94	22.95	22.85	24.0	0.0	
100	QPSK	135	69	22.87	23.04	22.77	24.0	0.0	
100	QPSK	135	138	22.75	22.84	22.77	24.0	0.0	
100	QPSK	270	0	22.94	22.98	22.85	24.0	0.0	
100	16QAM	1	1	22.90	22.92	22.73			
100	64QAM	1	1	22.76	22.90	22.73			
100	256QAM	1	1	21.77	21.83	21.71	23.0	1.0	
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.78	22.89	22.81	24.0	0.0	
Channel				648334	650000	662668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.82	22.89	22.76	24.0	0.0	
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.77	22.88	22.80	24.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.83	22.91	22.82	24.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.79	22.92	22.80	24.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.79	22.94	22.79	24.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.82	22.84	22.72	24.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.82	22.84	22.76	24.0	0.0	
Channel				647168	650000	664934	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.76	22.90	22.72	24.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.83	22.99	22.79	24.0	0.0	

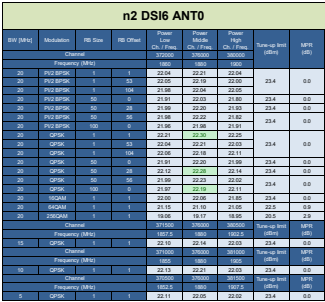
Part27Q n77 PC2 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)									
100	PI2 BPSK	1	1		22.83		24.0	0.0	
100	PI2 BPSK	1	137		22.83				
100	PI2 BPSK	1	271		22.72				
100	PI2 BPSK	135	0		22.82				
100	PI2 BPSK	135	69		22.82		24.0	0.0	
100	PI2 BPSK	135	138		22.82		24.0	0.0	
100	PI2 BPSK	270	0		22.92		24.0	0.0	
100	QPSK	1	1		22.98				
100	QPSK	1	137		22.88				
100	QPSK	1	271		22.87				
100	QPSK	135	0		22.82		24.0	0.0	
100	QPSK	135	69		22.82		24.0	0.0	
100	QPSK	135	138		22.78		24.0	0.0	
100	QPSK	270	0		22.85		24.0	0.0	
100	16QAM	1	1		22.78				
100	64QAM	1	1		22.80				
100	256QAM	1	1		21.54				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	22.17	22.42	22.18	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	22.20	22.33	22.23	24.0	0.0	
Channel				632234	633334	634234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	22.20	22.42	22.23	24.0	0.0	
Channel				632000	633334	634068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	22.15	22.41	22.24	24.0	0.0	
Channel				631668	633334	635060	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3515			
50	QPSK	1	1	22.18	22.42	22.19	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	22.14	22.40	22.18	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	22.19	22.40	22.20	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	22.18	22.35	22.18	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.9	3500.01	3542.52			
15	QPSK	1	1	22.20	22.40	22.23	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	22.15	22.39	22.20	24.0	0.0	

Part270 n78 PC2 Ant3 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750	24.0	0.0	
Frequency (MHz)									
100	PI/2 BPSK	1	1		22.81				
100	PI/2 BPSK	1	137		22.79				
100	PI/2 BPSK	1	271		22.72				
100	PI/2 BPSK	135	0		22.73		24.0	0.0	
100	PI/2 BPSK	135	69		22.69		24.0	0.0	
100	PI/2 BPSK	135	138		22.64		24.0	0.0	
100	PI/2 BPSK	270	0		22.68				
100	QPSK	1	1		22.95		24.0	0.0	
100	QPSK	1	137		22.84				
100	QPSK	1	271		22.88				
100	QPSK	135	0		22.96		24.0	0.0	
100	QPSK	135	69		22.66		24.0	0.0	
100	QPSK	135	138		22.25		24.0	0.0	
100	QPSK	270	0		22.27				
100	16QAM	1	1		22.40		24.0	0.0	
100	64QAM	1	1		22.30		24.0	0.0	
100	256QAM	1	1		21.89		23.0	1.0	
Channel				649688	650000	650334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.82	22.81	22.77	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.79	22.84	22.75	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.81	22.80	22.73	24.0	0.0
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.78	22.80	22.75	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.75	22.79	22.81	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.74	22.78	22.79	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.76	22.85	22.79	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.79	22.75	22.73	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.81	22.78	22.71	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.79	22.76	22.75	24.0	0.0

Part27Q n78 PC2 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									
Frequency (MHz)				633334	3500.01				
100	PI/2 BPSK	1	1		22.87				
100	PI/2 BPSK	1	137		22.82		24.0	0.0	
100	PI/2 BPSK	1	271		22.79				
100	PI/2 BPSK	135	0		22.55		24.0	0.0	
100	PI/2 BPSK	135	69		22.84		24.0	0.0	
100	PI/2 BPSK	135	138		22.49		24.0	0.0	
100	PI/2 BPSK	270	0		22.80				
100	QPSK	1	1		22.92		24.0	0.0	
100	QPSK	1	137		22.81				
100	QPSK	1	271		22.80				
100	QPSK	135	0		22.16		24.0	0.0	
100	QPSK	135	69		22.36		24.0	0.0	
100	QPSK	135	138		22.48		24.0	0.0	
100	QPSK	270	0		22.75				
100	16QAM	1	1		22.37		24.0	0.0	
100	64QAM	1	1		22.19		24.0	0.0	
100	256QAM	1	1		21.81		23.0	1.0	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR	
				3495	3500.01	3505.02			
90	QPSK	1	1		22.53	22.57	22.58	24.0	0.0
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR	
				3490.02	3500.01	3510			
80	QPSK	1	1		22.52	22.60	22.55	24.0	0.0
Channel									
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR	
				3485.01	3500.01	3515.01			
70	QPSK	1	1		22.53	22.62	22.56	24.0	0.0
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR	
				3480	3500.01	3520.02			
60	QPSK	1	1		22.58	22.56	22.60	24.0	0.0
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR	
				3475.02	3500.01	3525			
50	QPSK	1	1		22.50	22.58	22.58	24.0	0.0
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR	
				3470.01	3500.01	3530.01			
40	QPSK	1	1		22.49	22.59	22.60	24.0	0.0
Channel									
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR	
				3465	3500.01	3535.02			
30	QPSK	1	1		22.54	22.59	22.51	24.0	0.0
Channel									
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR	
				3460.02	3500.01	3540			
20	QPSK	1	1		22.53	22.59	22.62	24.0	0.0
Channel									
Frequency (MHz)				630334	633334	636168	Tune-up limit (dBm)	MPR	
				3457.5	3500.01	3542.52			
15	QPSK	1	1		22.61	22.52	22.54	24.0	0.0
Channel									
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR	
				3455.01	3500.01	3545.01			
10	QPSK	1	1		22.58	22.57	22.52	24.0	0.0



n5 DS16 AITO									
SR (MHz)	Subcarrier	FE Size	FE Offset	Time Offset (ns)	Time Offset (ns)	Phase Offset (deg)	Frequency Offset (Hz)	Timing Error (ns)	BER
20	Frequency (MHz)			23.30	23.30	23.25			
	QPSK	1	0.0	23.19	23.22	23.11	24.0	0.0	
	QPSK	2	0.0	23.19	23.22	23.11	24.0	0.0	
	QPSK	50	0.0	23.21	23.28	23.26	24.0	0.0	
	QPSK	50	24.0	23.18	23.28	23.11	24.0	0.0	
20	QPSK	50	0.0	23.19	23.28	23.26	24.0	0.0	
20	QPSK	100	0.0	23.19	23.18	23.25	24.0	0.0	
20	QPSK	1	0.0	23.13	23.22	23.25	24.0	0.0	
20	QPSK	1	104	23.20	23.11	23.27	24.0	0.0	
20	QPSK	50	0.0	23.19	23.28	23.26	24.0	0.0	
20	QPSK	50	24.0	23.20	23.28	23.15	24.0	0.0	
20	QPSK	50	0.0	23.19	23.27	23.24	24.0	0.0	
20	QPSK	100	0.0	23.13	23.26	23.25	24.0	0.0	
20	QPSK	1	0.0	23.33	23.41	23.32	24.0	0.0	
20	QPSK	1	0.0	23.23	23.23	23.23	24.0	0.0	
20	QPSK	1	0.0	19.97	20.11	19.87	20.5	3.5	
10	Frequency (MHz)			801.5	801.5	800.0			
	QPSK	1	0.0	793.0	793.4	793.0	24.0	0.0	
	QPSK	1	0.0	793.0	793.4	793.0	24.0	0.0	
	QPSK	50	0.0	793.0	793.8	793.0	24.0	0.0	
	QPSK	50	24.0	793.0	793.8	793.0	24.0	0.0	
10	QPSK	100	0.0	793.0	793.0	793.0	24.0	0.0	
5	QPSK	1	0.0	23.24	23.37	23.30	24.0	0.0	

[illegible]

n66 DS16 AN70									
Part Number	Manufacturer	Part No.	Pin	Case	Temp. Range	Power Dissipation	Power Input	Power Output	Notes
General									
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000	1	1	21.00	22.00	22.00	23.4	0.0
60	PGC	PGC 6000	1	1	21.00	22.00	22.00		
60	PGC	PGC 6000</							

n41 PC3 DSI6 ANT0								
BW [MHz]	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	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.44	23.49	23.37	24.0	0.0
100	PI/2 BPSK	1	137	23.44	23.52	23.40		
100	PI/2 BPSK	1	271	23.43	23.54	23.50	23.5	0.5
100	PI/2 BPSK	135	0	22.92	23.02	22.92		
100	PI/2 BPSK	135	69	23.34	23.47	23.39	23.5	0.0
100	PI/2 BPSK	135	138	22.95	23.06	22.99		
100	PI/2 BPSK	270	0	23.01	23.07	23.00	24.0	0.0
100	QPSK	1	1	23.20	23.57	23.43		
100	QPSK	1	137	23.39	23.46	23.42	23.0	1.0
100	QPSK	1	271	23.40	23.52	23.40		
100	QPSK	135	0	22.56	22.64	22.50	23.0	0.0
100	QPSK	135	69	23.42	23.55	23.46		
100	QPSK	135	138	22.40	22.52	22.37	23.0	1.0
100	QPSK	270	0	22.48	22.60	22.56		
100	16QAM	1	1	22.73	22.79	22.64	23.0	1.0
100	64QAM	1	1	21.07	21.21	21.14		
100	256QAM	1	1	18.97	19.03	18.98	23.0	1.7
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0
90	QPSK	1	1	23.16	23.48	23.33		
Channel				507204	518598	529998	24.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.12	23.52	23.31	24.0	0.0
Channel				505202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0
70	QPSK	1	1	23.11	23.43	23.30		
Channel				505200	518598	531996	24.0	0.0
Frequency (MHz)				2525	2592.99	2659.98		
60	QPSK	1	1	23.07	23.44	23.39	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0
50	QPSK	1	1	23.15	23.52	23.32		
Channel				503202	518598	534000	24.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.10	23.42	23.31	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0
30	QPSK	1	1	23.12	23.53	23.40		
Channel				501204	518598	535998	24.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.11	23.52	23.39	24.0	0.0

n41 PC2 DSI6 ANT0								
BW [MHz]	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	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.45	23.54	23.45	24.7	0.0
100	PI/2 BPSK	1	137	23.28	23.32	23.29		
100	PI/2 BPSK	1	271	23.43	23.27	23.10	24.7	0.0
100	PI/2 BPSK	135	0	23.15	23.29	23.10		
100	PI/2 BPSK	135	69	23.29	23.65	23.30	24.7	0.0
100	PI/2 BPSK	135	138	23.17	23.45	23.07		
100	PI/2 BPSK	270	0	23.35	23.46	23.31	24.7	0.0
100	QPSK	1	1	23.55	23.66	23.60		
100	QPSK	1	137	23.38	23.36	23.35	24.7	0.0
100	QPSK	1	271	23.47	23.45	23.31		
100	QPSK	135	0	23.23	23.46	23.11	24.7	0.0
100	QPSK	135	69	23.47	23.67	23.42		
100	QPSK	135	138	23.22	23.54	23.12	24.7	0.0
100	QPSK	270	0	23.54	23.55	23.45		
100	16QAM	1	1	23.33	23.42	23.18	24.7	0.0
100	64QAM	1	1	23.07	23.27	22.94		
100	256QAM	1	1	21.71	21.66	21.50	24.7	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	24.7	0.0
90	QPSK	1	1	23.51	23.68	23.44		
Channel				507204	518598	529998	24.7	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.42	23.67	23.60	24.7	0.0
Channel				505202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	24.7	0.0
70	QPSK	1	1	23.52	23.54	23.53		
Channel				505200	518598	531996	24.7	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.38	23.48	23.43	24.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	24.7	0.0
50	QPSK	1	1	23.50	23.55	23.47		
Channel				503202	518598	534000	24.7	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.50	23.47	23.54	24.7	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	24.7	0.0
30	QPSK	1	1	23.41	23.53	23.40		
Channel				501204	518598	535998	24.7	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.50	23.60	23.41	24.7	0.0



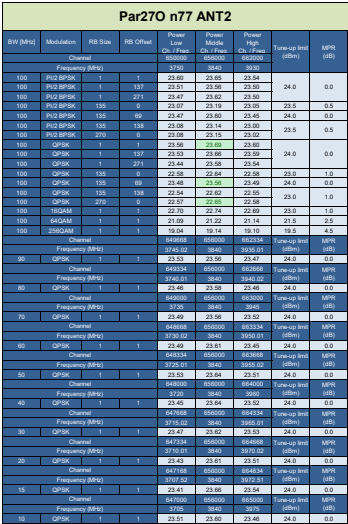
n2 DS16 ANT1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Mod. Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1	19.27	19.42	19.24			
20	P12-BPSK	1	53	19.26	19.26	19.23	20.4	0.0	
20	P12-BPSK	1	54	19.26	19.24	19.22			
20	P12-BPSK	50	0	19.40	19.24	19.05	20.4	0.0	
20	P12-BPSK	50	20	19.22	19.21	19.13	20.4	0.0	
20	P12-BPSK	50	50	19.05	19.22	19.10	20.4	0.0	
20	P12-BPSK	100	0	19.17	19.16	19.14			
20	QPSK	1	1	19.41	19.45	19.32			
20	QPSK	1	53	19.34	19.43	19.29	20.4	0.0	
20	QPSK	1	54	19.26	19.26	19.12			
20	QPSK	50	0	19.02	19.38	19.03	20.4	0.0	
20	QPSK	50	20	19.24	19.20	19.24	20.4	0.0	
20	QPSK	50	50	19.07	19.26	19.10	20.4	0.0	
20	QPSK	100	0	19.17	19.21	19.13			
20	8QAM	1	1	19.26	19.26	19.24			
20	25QAM	1	1	19.03	19.29	19.00	20.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.23	19.36	19.22	20.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.23	19.16	19.12	20.4	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.28	19.26	19.19	20.4	0.0	

n5 DS16 ANT1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Mod. Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1	23.04	23.11	23.01			
20	P12-BPSK	1	53	22.85	22.84	22.85	24.0	0.0	
20	P12-BPSK	1	104	22.83	22.87	22.85			
20	P12-BPSK	50	0	23.04	23.11	23.05	24.0	0.0	
20	P12-BPSK	50	20	22.84	22.86	22.85	24.0	0.0	
20	P12-BPSK	50	50	22.83	22.88	22.87	24.0	0.0	
20	P12-BPSK	100	0	22.85	22.83	22.86			
20	QPSK	1	1	23.14	23.16	22.95			
20	QPSK	1	53	22.97	22.95	22.97	24.0	0.0	
20	QPSK	1	104	22.74	22.86	22.70			
20	QPSK	50	0	22.99	23.03	22.95	24.0	0.0	
20	QPSK	50	20	23.05	23.12	22.99	24.0	0.0	
20	QPSK	50	50	22.86	22.86	22.97	24.0	0.0	
20	QPSK	100	0	22.90	22.95	22.97			
20	8QAM	1	1	23.02	22.86	23.00	24.0	0.0	
20	8QAM	1	1	22.99	22.12	22.95	22.5	1.5	
20	25QAM	1	1	19.24	19.88	19.19	20.5	0.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.12	23.10	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.00	23.03	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.10	23.08	22.95	24.0	0.0	

n7 DS16 ANT1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Mod. Ch. 1 (W)	Power High Ch. 1 (W)	Power High Ch. 2 (W)	Turn-up time (min)	MPE (dB)
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1	19.39	19.48	19.37			
40	P12-BPSK	1	108	19.38	19.37	19.35	20.6	0.0	
40	P12-BPSK	1	214	19.23	19.38	19.21			
40	P12-BPSK	108	0	19.14	19.44	19.00	20.6	0.0	
40	P12-BPSK	108	54	19.23	19.32	19.19	20.6	0.0	
40	P12-BPSK	108	108	19.09	19.33	19.00	20.6	0.0	
40	P12-BPSK	216	0	19.04	19.24	19.07			
40	QPSK	1	1	19.38	19.42	19.35			
40	QPSK	1	108	19.39	19.48	19.30	20.6	0.0	
40	QPSK	1	214	19.28	19.43	19.21			
40	QPSK	108	0	19.14	19.48	19.11	20.6	0.0	
40	QPSK	108	54	19.20	19.34	19.23	20.6	0.0	
40	QPSK	108	108	19.24	19.32	19.18	20.6	0.0	
40	QPSK	216	0	19.19	19.35	19.07	20.6	0.0	
40	8QAM	1	1	19.28	19.32	19.24	20.6	0.0	
40	8QAM	1	1	19.22	19.37	19.25	20.6	0.0	
40	25QAM	1	1	19.08	19.22	19.25	20.5	0.1	
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1	19.22	19.37	19.44	22.4	0.0	
Channel									
Frequency (MHz)									
25	P12-BPSK	1	1	19.17	19.32	19.38	20.6	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.19	19.42	19.40	20.6	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.06	19.38	19.34	20.6	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.23	19.30	19.28	20.6	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.21	19.38	19.23	20.6	0.0	

n66 DS16 ANT1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Mod. Ch. 1 (W)	Power High Ch. 1 (W)	Power High Ch. 2 (W)	Turn-up time (min)	MPE (dB)
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1	19.34	19.43	19.48			
40	P12-BPSK	1	108	19.34	19.33	19.22	20.4	0.0	
40	P12-BPSK	1	214	19.38	19.22	19.21			
40	P12-BPSK	108	0	19.33	19.32	19.20	20.6	0.0	
40	P12-BPSK	108	54	19.46	19.56	19.28	20.6	0.0	
40	P12-BPSK	108	108	19.47	19.21	19.08	20.6	0.0	
40	P12-BPSK	216	0	19.30	19.44	19.19			
40	QPSK	1	1	19.40	19.03	19.33			
40	QPSK	1	108	19.35	19.48	19.39	20.6	0.0	
40	QPSK	1	214	19.46	19.42	19.27			
40	QPSK	108	0	19.41	19.42	19.26	20.6	0.0	
40	QPSK	108	54	19.30	19.60	19.37	20.6	0.0	
40	QPSK	108	108	19.30	19.36	19.26	20.6	0.0	
40	QPSK	216	0	19.27	19.57	19.29	20.6	0.0	
40	8QAM	1	1	19.46	19.31	19.22	20.6	0.0	
40	8QAM	1	1	19.31	19.38	19.27	20.6	0.0	
40	25QAM	1	1	19.35	19.28	19.10	20.5	0.1	
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1	19.25	19.44	19.23	21.6	0.1	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.24	19.32	19.26	20.6	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.19	19.43	19.29	20.6	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.30	19.44	19.24	20.6	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.40	19.29	19.27	20.6	0.0	

n41 PC3&PC2 DSI6 ANT1								
BW [MHz]	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	21.3	0.0
Frequency (MHz)				2546.91	2592.99	2640		
100	PI/2 BPSK	1	1	19.70	19.99	19.85		
100	PI/2 BPSK	1	137	19.70	19.81	19.72		
100	PI/2 BPSK	1	271	19.73	19.98	19.79	21.3	0.0
100	PI/2 BPSK	135	0	19.70	19.71	19.56		
100	PI/2 BPSK	135	69	19.67	19.93	19.65		
100	PI/2 BPSK	135	138	19.49	19.57	19.68		
100	PI/2 BPSK	270	0	19.73	19.84	19.66	21.3	0.0
100	QPSK	1	1	19.95	20.06	19.91		
100	QPSK	1	137	19.74	19.85	19.91		
100	QPSK	1	271	19.95	20.03	19.87		
100	QPSK	135	0	19.80	19.90	19.75	21.3	0.0
100	QPSK	135	69	19.81	19.97	19.83		
100	QPSK	135	138	19.74	19.80	19.73		
100	QPSK	270	0	19.80	19.89	19.77		
100	16QAM	1	1	19.53	19.80	19.74	21.3	0.0
100	64QAM	1	1	19.88	20.02	19.65		
100	256QAM	1	1	19.59	19.68	19.56		
Channel				509200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.85	19.83	19.71	21.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.76	19.78	19.63	21.3	0.0
Channel				509202	518598	531090	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.80	19.96	19.75	21.3	0.0
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.83	19.75	19.64	21.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.85	19.84	19.66	21.3	0.0
Channel				509202	518598	534090	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.75	19.91	19.64	21.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.84	19.80	19.81	21.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.78	19.80	19.60	21.3	0.0

[illegible]

Part27Q n77 ANT2							
Bit (MHz)	Modulation	RB Size	ISI Offset	Power (dBm) Ch. Freq.	Power (dBm) Ch. Freq.	Transmit Rate (Mbps)	Eff. (Mbps)
100	PSK16QAM	1	0	30.00	30.00		
100	PSK16QAM	1	137	23.35	23.35	24.0	0.4
100	PSK16QAM	1	271	23.81	23.81	23.0	0.3
100	PSK16QAM	1	405	23.96	23.96	24.0	0.4
100	PSK16QAM	150	60	23.57	23.57	24.0	0.0
100	PSK16QAM	150	150	23.14	23.14	23.0	0.1
100	PSK16QAM	150	271	23.50	23.50	24.0	0.0
100	QPSK	1	0	33.42	33.42		
100	QPSK	1	137	23.47	23.47	24.0	0.1
100	QPSK	1	271	23.58	23.58	24.0	0.2
100	QPSK	150	60	22.89	22.89	23.0	1.0
100	QPSK	150	150	22.89	22.89	23.0	1.0
100	QPSK	150	271	22.83	22.83	23.0	1.0
100	QPSK	271	0	22.72	22.72	23.0	1.0
100	QPSK	271	137	21.24	21.24	21.0	2.0
100	QPSK	271	271	21.73	21.73	21.0	2.0
Channel							
Frequency (MHz)				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.35	23.35	23.0	0.3
Channel				816666	816666	Transmit Rate (Mbps)	MPR
Channel				23.57	23.57	24.0	0.3
30							
Channel				23.45	23.45	24.0	0.3
Channel				818333	818333	Transmit Rate (Mbps)	MPR
Channel				23.81	23.81	24.0	0.3
80							
Channel				23.37	23.37	23.0	0.8
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.50	23.50	24.0	0.8
150							
Channel				23.43	23.43	23.0	0.4
Channel				816666	816666	Transmit Rate (Mbps)	MPR
Channel				23.57	23.57	24.0	0.4
300							
Channel				23.41	23.41	23.0	0.4
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
400							
Channel				23.39	23.39	24.0	0.4
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
600							
Channel				816666	816666	Transmit Rate (Mbps)	MPR
Channel				23.42	23.42	24.0	0.4
900							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
1200							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
1500							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
1800							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
2100							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
2400							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
2700							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
3000							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
3300							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
3600							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
3900							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
4200							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
4500							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
4800							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
5100							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
5400							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
5700							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
6000							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
6300							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
6600							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
6900							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
7200							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
7500							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
7800							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
8100							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
8400							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
8700							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
9000							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
9300							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
9600							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
9900							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
10200							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
10500							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
10800							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
11100							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
11400							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
11700							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
12000							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
12300							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
12600							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
12900							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
13200							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
13500							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
13800							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
14100							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
14400							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
14700							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
15000							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
15300							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
15600							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
15900							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
16200							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
16500							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
16800							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
17100							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
17400							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
17700							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
18000							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
18300							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
18600							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
18900							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
19200							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
19500							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
19800							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
20100							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
20400							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
20700							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
21000							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
21300							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
21600							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
21900							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
22200							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
22500							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
22800							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
23100							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
23400							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
23700							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
24000							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
24300							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
24600							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
24900							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
25200							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
25500							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4
25800							
Channel				810000	810000	Transmit Rate (Mbps)	MPR
Channel				23.51	23.51	24.0	0.4

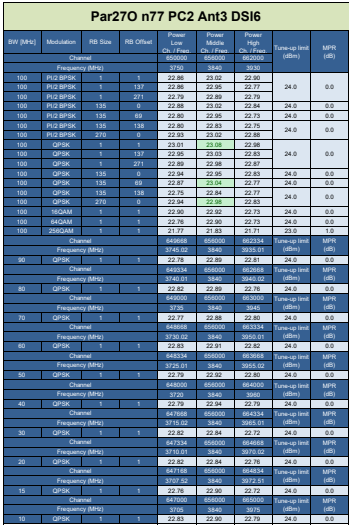
Part27Q n77 PC2 Ant2 DS16									
Bit Pattern	Modulation	PS BPS	PS CFS	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm
Frequency (MHz)				Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm
100	PS BPS	1	137	22.50	22.50	22.50	22.50	22.50	22.50
100	PS BPS	1	271	22.47	22.47	22.47	22.47	22.47	22.47
100	PS BPS	1	405	22.53	22.53	22.53	22.53	22.53	22.53
100	PS BPS	155	68	22.38	22.38	22.38	22.38	22.38	22.38
100	PS BPS	155	158	22.37	22.37	22.37	22.37	22.37	22.37
100	QPSK	1	137	22.50	22.50	22.50	22.50	22.50	22.50
100	QPSK	1	271	22.47	22.47	22.47	22.47	22.47	22.47
100	QPSK	1	405	22.53	22.53	22.53	22.53	22.53	22.53
100	QPSK	155	68	22.35	22.35	22.35	22.35	22.35	22.35
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97	22.41	22.41	22.41	22.41	22.41	22.41
100	QPSK	271	231	22.38	22.38	22.38	22.38	22.38	22.38
100	QPSK	155	158	22.48	22.48	22.48	22.48	22.48	22.48
100	QPSK	271	97						



Part270 n78 ANT2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak 650000	Power Main Ch. 1 Peak 650000	Power High Ch. 1 Peak 650000	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	23.37					
100	PIQ BPSK	1	137	23.47			24.0	0.0	
100	PIQ BPSK	1	271	23.34					
100	PIQ BPSK	135	0	23.38			23.0	0.0	
100	PIQ BPSK	135	86	23.47			24.0	0.0	
100	PIQ BPSK	135	138	22.37			23.0	0.0	
100	PIQ BPSK	270	0	22.38					
100	QPSK	1	1	23.35					
100	QPSK	1	137	23.45			24.0	0.0	
100	QPSK	1	271	23.35					
100	QPSK	135	0	22.38			23.0	1.0	
100	QPSK	135	86	23.41			24.0	0.0	
100	QPSK	135	138	22.46			23.0	1.0	
100	QPSK	270	0	22.47			23.0	1.0	
100	8QAM	1	1	22.34			23.0	1.0	
100	8QAM	1	1	21.26			23.0	2.5	
100	25QAM	1	1	19.12			19.5	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.37	23.35	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.38	23.35	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.61	23.57	23.55	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.54	23.57	23.58	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.51	23.56	23.56	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.53	23.57	23.56	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.54	23.55	23.55	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.52	23.58	23.56	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.60	23.54	23.60	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.57	23.50	23.56	24.0	0.0	

Part270 n78 PC2 Ant2 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak 650000	Power Main Ch. 1 Peak 650000	Power High Ch. 1 Peak 650000	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	22.05					
100	PIQ BPSK	1	137	22.21			24.0	0.0	
100	PIQ BPSK	1	271	22.19					
100	PIQ BPSK	135	0	22.20			24.0	0.0	
100	PIQ BPSK	135	86	22.34			24.0	0.0	
100	PIQ BPSK	135	138	22.15			24.0	0.0	
100	PIQ BPSK	270	0	22.29					
100	QPSK	1	1	22.30					
100	QPSK	1	137	22.19			24.0	0.0	
100	QPSK	1	271	22.34					
100	QPSK	135	0	22.27			24.0	0.0	
100	QPSK	135	86	22.21			24.0	0.0	
100	QPSK	135	138	22.22			24.0	0.0	
100	QPSK	270	0	22.27			24.0	0.0	
100	8QAM	1	1	22.14			24.0	0.0	
100	8QAM	1	1	22.05			24.0	0.0	
100	25QAM	1	1	22.20			22.0	1.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.08	22.10	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.09	22.13	21.98	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.08	22.08	22.04	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.09	22.08	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.04	22.08	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.08	22.06	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.11	22.10	22.13	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.11	22.14	22.12	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.13	22.21	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.10	22.19	22.08	24.0	0.0	

Part27Q n78 ANT2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak 650000	Power Main Ch. 1 Peak 650000	Power High Ch. 1 Peak 650000	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	23.32					
100	PIQ BPSK	1	137	23.34			24.0	0.0	
100	PIQ BPSK	1	271	23.49					
100	PIQ BPSK	135	0	23.14			23.0	0.0	
100	PIQ BPSK	135	86	23.52			24.0	0.0	
100	PIQ BPSK	135	138	23.08			23.0	0.0	
100	PIQ BPSK	270	0	23.11					
100	QPSK	1	1	23.00					
100	QPSK	1	137	23.38			24.0	0.0	
100	QPSK	1	271	23.49					
100	QPSK	135	0	23.22			23.0	1.0	
100	QPSK	135	86	22.62			24.0	0.0	
100	QPSK	135	138	23.50			23.0	1.0	
100	QPSK	270	0	23.28			24.0	1.0	
100	8QAM	1	1	23.01			23.0	1.0	
100	25QAM	1	1	21.36			23.5	2.5	
100	25QAM	1	1	19.20			19.5	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.39	23.37	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.35	23.37	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.05	23.53	23.57	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.32	23.49	23.54	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.30	23.49	23.52	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.31	23.53	23.55	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.35	23.46	23.51	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.38	23.48	23.53	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.47	23.56	23.58	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.52	23.58	23.60	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.52	23.46	23.49	24.0	0.0	





Part27Q n77 DS16 ANT3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Power	Power Max Ch.1 Power	Power High Ch.1 Power	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PSS BPSK	1	1	22.49					
100	PSS BPSK	1	137	22.53			24.0	0.0	
100	PSS BPSK	1	211	22.48					
100	PSS BPSK	135	5	22.58			23.5	0.5	
100	PSS BPSK	135	89	22.55			24.5	0.5	
100	PSS BPSK	135	138	21.38			23.5	0.5	
100	PSS BPSK	215	5	22.21					
100	QPSK	1	1	22.65					
100	QPSK	1	137	22.55			24.0	0.0	
100	QPSK	1	211	22.57					
100	QPSK	135	5	22.59			24.0	0.0	
100	QPSK	135	89	22.55			24.0	0.0	
100	QPSK	135	138	22.63			24.0	0.0	
100	QPSK	215	5	22.55					
100	8QAM	1	1	22.52			24.5	0.5	
100	8QAM	1	1	25.17			21.5	2.5	
100	256QAM	1	1	17.98			19.5	4.5	
Channel									
80	Frequency (MHz)	63300	63300	63300	63300	63300	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.52	22.16	22.16	24.0	0.0	
Channel									
80	Frequency (MHz)	63306	63306	63306	63306	63306	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	25.12	25.18	25.12	24.0	0.0	
Channel									
70	Frequency (MHz)	63334	63334	63334	63334	63334	Turn-up time (dBm)	MPR (dB)	
70	QPSK	1	1	25.15	25.18	25.17	24.0	0.0	
Channel									
60	Frequency (MHz)	63360	63360	63360	63360	63360	Turn-up time (dBm)	MPR (dB)	
60	QPSK	1	1	25.11	25.19	25.19	24.0	0.0	
Channel									
50	Frequency (MHz)	63386	63386	63386	63386	63386	Turn-up time (dBm)	MPR (dB)	
50	QPSK	1	1	25.21	25.19	25.19	24.0	0.0	
Channel									
40	Frequency (MHz)	63412	63412	63412	63412	63412	Turn-up time (dBm)	MPR (dB)	
40	QPSK	1	1	25.23	25.18	25.23	24.0	0.0	
Channel									
30	Frequency (MHz)	63438	63438	63438	63438	63438	Turn-up time (dBm)	MPR (dB)	
30	QPSK	1	1	25.17	25.14	25.15	24.0	0.0	
Channel									
20	Frequency (MHz)	63464	63464	63464	63464	63464	Turn-up time (dBm)	MPR (dB)	
20	QPSK	1	1	25.22	25.26	25.15	24.0	0.0	
Channel									
15	Frequency (MHz)	63500	63500	63500	63500	63500	Turn-up time (dBm)	MPR (dB)	
15	QPSK	1	1	25.13	25.20	25.20	24.0	0.0	
Channel									
10	Frequency (MHz)	63536	63536	63536	63536	63536	Turn-up time (dBm)	MPR (dB)	
10	QPSK	1	1	25.20	25.25	25.17	24.0	0.0	

Part27Q n77 PC2 Ant3 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Power	Power Max Ch.1 Power	Power High Ch.1 Power	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PSS BPSK	1	1	22.83					
100	PSS BPSK	1	137	22.83			24.0	0.0	
100	PSS BPSK	1	211	22.72					
100	PSS BPSK	135	5	22.82			24.0	0.0	
100	PSS BPSK	135	89	22.82			24.5	0.5	
100	PSS BPSK	135	138	22.82			24.0	0.0	
100	PSS BPSK	215	5	22.92					
100	QPSK	1	1	22.88					
100	QPSK	1	137	22.88			24.0	0.0	
100	QPSK	1	211	22.87					
100	QPSK	135	5	22.82			24.0	0.0	
100	QPSK	135	89	22.91			24.0	0.0	
100	QPSK	135	138	22.76			24.0	0.0	
100	QPSK	215	5	22.85					
100	8QAM	1	1	22.76			24.5	0.5	
100	8QAM	1	1	22.88			24.0	0.0	
100	256QAM	1	1	21.94			23.0	1.0	
Channel									
80	Frequency (MHz)	63300	63300	63300	63300	63300	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.87	22.42	22.78	24.0	0.0	
Channel									
80	Frequency (MHz)	63306	63306	63306	63306	63306	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.20	22.33	22.23	24.0	0.0	
Channel									
70	Frequency (MHz)	63334	63334	63334	63334	63334	Turn-up time (dBm)	MPR (dB)	
70	QPSK	1	1	22.20	22.42	22.23	24.0	0.0	
Channel									
60	Frequency (MHz)	63360	63360	63360	63360	63360	Turn-up time (dBm)	MPR (dB)	
60	QPSK	1	1	22.19	22.41	22.24	24.0	0.0	
Channel									
50	Frequency (MHz)	63386	63386	63386	63386	63386	Turn-up time (dBm)	MPR (dB)	
50	QPSK	1	1	22.18	22.42	22.19	24.0	0.0	
Channel									
40	Frequency (MHz)	63412	63412	63412	63412	63412	Turn-up time (dBm)	MPR (dB)	
40	QPSK	1	1	22.14	22.40	22.12	24.0	0.0	
Channel									
30	Frequency (MHz)	63438	63438	63438	63438	63438	Turn-up time (dBm)	MPR (dB)	
30	QPSK	1	1	22.19	22.40	22.20	24.0	0.0	
Channel									
20	Frequency (MHz)	63464	63464	63464	63464	63464	Turn-up time (dBm)	MPR (dB)	
20	QPSK	1	1	22.18	22.35	22.18	24.0	0.0	
Channel									
15	Frequency (MHz)	63500	63500	63500	63500	63500	Turn-up time (dBm)	MPR (dB)	
15	QPSK	1	1	22.20	22.40	22.23	24.0	0.0	
Channel									
10	Frequency (MHz)	63536	63536	63536	63536	63536	Turn-up time (dBm)	MPR (dB)	
10	QPSK	1	1	22.15	22.38	22.20	24.0	0.0	

Part27O n78 DS16 ANT3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Power	Power Max Ch.1 Power	Power High Ch.1 Power	Turn-up time (dBm)	MPR (dB)	
Channel									
100	Frequency (MHz)			3750	3750	3750			
100	PSS BPSK	1	1	22.84					
100	PSS BPSK	1	137	22.83			24.0	0.0	
100	PSS BPSK	1	211	22.89					
100	PSS BPSK	135	5	22.45			23.5	0.5	
100	PSS BPSK	135	89	22.58			24.5	0.5	
100	PSS BPSK	135	138	22.52			23.5	0.5	
100	PSS BPSK	215	5	22.48					
100	QPSK	1	1	22.97					
100	QPSK	1	137	22.84			24.0	0.0	
100	QPSK	1	211	22.95					
100	QPSK	135	5	22.95			24.0	0.0	
100	QPSK	135	89	22.88			24.0	0.0	
100	QPSK	135	138	22.88			24.0	0.0	
100	QPSK	215	5	22.95					
100	8QAM	1	1	22.74			24.5	0.5	
100	8QAM	1	1	22.87			21.5	2.5	
100	256QAM	1	1	18.38			19.5	4.5	
Channel									
80	Frequency (MHz)	64500	64500	64500	64500	64500	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.18	22.87	22.24	24.0	0.0	
Channel									
80	Frequency (MHz)	64534	64534	64534	64534	64534	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.82	22.82	22.93	24.0	0.0	
Channel									
70	Frequency (MHz)	64568	64568	64568	64568	64568	Turn-up time (dBm)	MPR (dB)	
70	QPSK	1	1	22.93	22.92	22.93	24.0	0.0	
Channel									
60	Frequency (MHz)	64600	64600	64600	64600	64600	Turn-up time (dBm)	MPR (dB)	
60	QPSK	1	1	22.91	22.82	22.92	24.0	0.0	
Channel									
50	Frequency (MHz)	64632	64632	64632	64632	64632	Turn-up time (dBm)	MPR (dB)	
50	QPSK	1	1	22.83	22.85	22.85	24.0	0.0	
Channel									
40	Frequency (MHz)	64668	64668	64668	64668	64668	Turn-up time (dBm)	MPR (dB)	
40	QPSK	1	1	22.84	22.86	22.86	24.0	0.0	
Channel									
30	Frequency (MHz)	64704	64704	64704	64704	64704	Turn-up time (dBm)	MPR (dB)	
30	QPSK	1	1	22.84	22.86	22.91	24.0	0.0	
Channel									
20	Frequency (MHz)	64734	64734	64734	64734	64734	Turn-up time (dBm)	MPR (dB)	
20	QPSK	1	1	22.93	22.83	22.82	24.0	0.0	
Channel									
15	Frequency (MHz)	64768	64768	64768	64768	64768	Turn-up time (dBm)	MPR (dB)	
15	QPSK	1	1	22.90	22.91	22.94	24.0	0.0	
Channel									
10	Frequency (MHz)	64800	64800	64800	64800	64800	Turn-up time (dBm)	MPR (dB)	
10	QPSK	1	1	22.96	22.96	22.96	24.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak EIRP(dBm)	Power Max Ch. 1 Peak EIRP(dBm)	Power High Ch. 1 Peak EIRP(dBm)	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	23.02					
100	PSSBPSK	1	137	23.02			24.0	0.0	
100	PSSBPSK	1	271	23.08					
100	PSSBPSK	135	0	22.82			23.5	0.0	
100	PSSBPSK	135	86	22.86			24.0	0.0	
100	PSSBPSK	135	158	22.85			23.5	0.0	
100	PSSBPSK	270	0	22.81					
100	QPSK	1	1	22.12					
100	QPSK	1	137	22.04			24.0	0.0	
100	QPSK	1	271	22.06					
100	QPSK	135	0	22.12			24.0	0.0	
100	QPSK	135	86	22.13			24.0	0.0	
100	QPSK	135	158	22.12			24.0	0.0	
100	QPSK	270	0	22.14					
100	16QAM	1	1	22.52			24.0	0.0	
100	64QAM	1	1	20.81			21.5	2.5	
100	256QAM	1	1	18.97			19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	93.9000	93.9336	93.9666		0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	93.9444	93.9781	94.0116	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	93.9888	94.0224	94.0560	23.00	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	93.9234	93.9570	93.9906	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	93.9678	93.9834	94.0034	23.00	24.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	93.9000	93.9336	93.9666	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	93.9888	94.0224	94.0560	23.00	24.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	93.9000	93.9336	93.9666	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	93.9797	93.9929	94.0061	23.00	24.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	93.9666	93.9800	93.9934	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	93.9999	94.0133	94.0267	23.00	24.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	93.9333	93.9467	93.9601	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	93.9666	93.9800	93.9934	23.00	24.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	93.9000	93.9336	93.9666	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	93.9333	93.9467	93.9601	23.00	24.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	93.9666	93.9800	93.9934	23.00	24.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	93.9000	93.9336	93.9666	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	93.9797	93.9929	94.0061	23.00	24.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	93.9666	93.9800	93.9934	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	93.9999	94.0133	94.0267	23.00	24.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	93.9333	93.9467	93.9601	Time-up time (dBm)	MPH (dB)	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak EIRP(dBm)	Power Max Ch. 1 Peak EIRP(dBm)	Power High Ch. 1 Peak EIRP(dBm)	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	22.87					
100	PSSBPSK	1	137	22.82			24.0	0.0	
100	PSSBPSK	1	271	22.78					
100	PSSBPSK	135	0	22.85			24.0	0.0	
100	PSSBPSK	135	86	22.84			24.0	0.0	
100	PSSBPSK	135	158	22.83			24.0	0.0	
100	PSSBPSK	270	0	22.80					
100	QPSK	1	1	22.02					
100	QPSK	1	137	22.01			24.0	0.0	
100	QPSK	1	271	22.06					
100	QPSK	135	0	22.10			24.0	0.0	
100	QPSK	135	86	22.08			24.0	0.0	
100	QPSK	135	158	22.08			24.0	0.0	
100	QPSK	270	0	22.10					
100	16QAM	1	1	22.52			24.0	0.0	
100	64QAM	1	1	22.78			24.0	0.0	
100	256QAM	1	1	21.81			23.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	93.000	93333.0	93666.0	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	93.000	93333.0	93666.0	23.00	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	93.066	93333.0	93600.0	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	93.066	93333.0	93600.0	23.00	24.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	93.200	93333.0	93433.0	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	93.200	93333.0	93433.0	23.00	24.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	93.300	93333.0	93600.0	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	93.300	93333.0	93600.0	23.00	24.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	93.500	93333.0	93666.0	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	93.500	93333.0	93666.0	23.00	24.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	93.700	93333.0	93666.0	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	93.700	93333.0	93666.0	23.00	24.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	93.900	93333.0	93666.0	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	93.900	93333.0	93666.0	23.00	24.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	94.100	93333.0	93666.0	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	94.100	93333.0	93666.0	23.00	24.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	94.300	93333.0	93666.0	Time-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	94.300	93333.0	93666.0	23.00	24.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	94.500	93333.0	93666.0	Time-up time (dBm)	MPH (dB)	

n41 PC3&PC2 DS16 ANT4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	529000	20.2	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.69	18.99	18.88		
100	PI/2 BPSK	1	137	18.80	18.73	18.72		
100	PI/2 BPSK	1	271	18.83	18.98	18.83	20.2	0.0
100	PI/2 BPSK	135	0	18.64	18.63	18.62		
100	PI/2 BPSK	135	69	18.58	18.88	18.61		
100	PI/2 BPSK	135	138	18.56	18.57	18.76		
100	PI/2 BPSK	270	0	18.66	18.78	18.64	20.2	0.0
100	QPSK	1	1	18.89	19.17	18.97		
100	QPSK	1	137	18.78	18.84	18.91		
100	QPSK	1	271	19.02	19.08	18.96		
100	QPSK	135	0	18.85	18.85	18.84	20.2	0.0
100	QPSK	135	69	18.82	18.97	18.90		
100	QPSK	135	138	18.79	18.84	18.69		
100	QPSK	270	0	18.63	18.74	18.62		
100	16QAM	1	1	18.31	18.77	18.40	20.2	0.0
100	64QAM	1	1	18.78	18.64	18.27		
100	256QAM	1	1	18.36	18.38	18.28		
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.63	18.99	18.84		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.63	18.96	18.85		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.72	18.90	18.70		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.57	18.92	18.77		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.80	19.04	18.74		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.68	19.03	18.69		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.60	18.89	18.82		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.60	18.97	18.87		

Par270 n77 PC3&PC2 DSI6 ANT5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3840	3930		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.76	19.87	19.79		
100	PI/2 BPSK	1	137	19.63	19.58	19.58	21.3	0.0
100	PI/2 BPSK	1	271	19.74	19.72	19.66		
100	PI/2 BPSK	135	0	19.55	19.74	19.37	21.3	0.0
100	PI/2 BPSK	135	69	19.50	19.72	19.69	21.3	0.0
100	PI/2 BPSK	135	138	19.49	19.74	19.63	21.3	0.0
100	PI/2 BPSK	270	0	19.51	19.57	19.54		
100	QPSK	1	1	19.80	19.86	19.83		
100	QPSK	1	137	19.70	19.79	19.78	21.3	0.0
100	QPSK	1	271	19.81	19.81	19.82		
100	QPSK	135	0	19.59	19.78	19.62	21.3	0.0
100	QPSK	135	69	19.73	19.90	19.84	21.3	0.0
100	QPSK	135	138	19.68	19.86	19.76	21.3	0.0
100	QPSK	270	0	19.63	19.80	19.71		
100	16QAM	1	1	19.63	19.63	19.67	21.3	0.0
100	64QAM	1	1	19.55	19.65	19.67	21.3	0.0
100	256QAM	1	1	19.49	19.55	19.46	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	19.53	19.69	19.56	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	19.58	19.73	19.64	21.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.70	19.06	19.74	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	19.53	19.76	19.51	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	19.58	19.75	19.58	21.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.59	19.67	19.72	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	19.63	19.87	19.52	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	19.70	19.66	19.55	21.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.57	19.74	19.70	21.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.64	19.82	19.71	21.3	0.0

Part27Q n77 PC3&PC2 DSI6 ANT5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633000	633334		
Frequency (MHz)					3495.01	3500.01		
100	PI/2 BPSK	1	1			20.00		
100	PI/2 BPSK	1	137			19.82	21.3	0.0
100	PI/2 BPSK	1	271			19.86		
100	PI/2 BPSK	135	0			20.04	21.3	0.0
100	PI/2 BPSK	135	69			20.02	21.3	0.0
100	PI/2 BPSK	135	138			19.90	21.3	0.0
100	PI/2 BPSK	270	0			19.67		
100	QPSK	1	1			20.17		
100	QPSK	1	137			20.09	21.3	0.0
100	QPSK	1	271			19.98		
100	QPSK	135	0			19.95	21.3	0.0
100	QPSK	135	69			20.15	21.3	0.0
100	QPSK	135	138			20.03	21.3	0.0
100	QPSK	270	0			20.11		
100	16QAM	1	1			19.93	21.3	0.0
100	64QAM	1	1			19.85	21.3	0.0
100	256QAM	1	1			19.73	21.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.79	19.95	19.66	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	19.79	19.78	19.83	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	19.75	19.97	19.73	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	19.75	19.89	19.74	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	19.85	19.86	19.86	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	19.65	19.97	19.77	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	19.74	19.82	19.71	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	19.67	19.81	19.72	21.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.62	19.98	19.73	21.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.71	19.82	19.83	21.3	0.0

Part270 n78 PC3&PC2 DSI6 ANT5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				19.74				
100	PI/2 BPSK	1	1	19.74			21.3	0.0
100	PI/2 BPSK	1	137	19.55				
100	PI/2 BPSK	1	271	19.58				
100	PI/2 BPSK	135	0	19.79			21.3	0.0
100	PI/2 BPSK	135	69	19.80			21.3	0.0
100	PI/2 BPSK	135	138	19.58			21.3	0.0
100	PI/2 BPSK	270	0	19.38				
100	QPSK	1	1	19.82				
100	QPSK	1	137	19.79			21.3	0.0
100	QPSK	1	271	19.73				
100	QPSK	135	0	19.56			21.3	0.0
100	QPSK	135	69	19.81			21.3	0.0
100	QPSK	135	138	19.70			21.3	0.0
100	QPSK	270	0	19.80				
100	16QAM	1	1	19.66			21.3	0.0
100	64QAM	1	1	19.47			21.3	0.0
100	256QAM	1	1	19.41			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	19.46	19.72	19.42	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	19.52	19.54	19.29	21.3	0.0
Channel				648200	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.55	19.55	19.38	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	19.52	19.68	19.42	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	19.48	19.65	19.34	21.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	19.55	19.53	19.28	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	19.61	19.54	19.29	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	19.41	19.75	19.33	21.3	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.58	19.70	19.24	21.3	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.46	19.70	19.28	21.3	0.0

Part27Q 78 PC3&PC2 DSI6 ANT5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					6350.01			
Frequency (MHz)					3550.01			
100	PI/2 BPSK	1	1		19.95		21.3	0.0
100	PI/2 BPSK	1	137		19.62			
100	PI/2 BPSK	1	271		19.67			
100	PI/2 BPSK	135	0		19.90		21.3	0.0
100	PI/2 BPSK	135	69		19.98		21.3	0.0
100	PI/2 BPSK	135	138		19.90		21.3	0.0
100	PI/2 BPSK	270	0		19.65			
100	QPSK	1	1		20.12			
100	QPSK	1	137		19.88		21.3	0.0
100	QPSK	1	271		19.88			
100	QPSK	135	0		19.83		21.3	0.0
100	QPSK	135	69		20.04		21.3	0.0
100	QPSK	135	138		19.86		21.3	0.0
100	QPSK	270	0		20.02			
100	16QAM	1	1		19.90		21.3	0.0
100	64QAM	1	1		19.83		21.3	0.0
100	256QAM	1	1		19.54		21.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.51	19.68	19.42	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	19.51	19.81	19.47	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	19.50	19.79	19.53	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	19.47	19.64	19.38	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	19.51	19.74	19.41	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	19.56	19.84	19.51	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	19.71	19.85	19.49	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	19.63	19.83	19.35	21.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.59	19.65	19.54	21.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.64	19.69	19.47	21.3	0.0

Par270 n77 PC3&PC2 DSi6 ANT7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3840	3930	20.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.24	19.25	19.23	20.7	0.0
100	PI/2 BPSK	1	137	19.29	19.22	18.97		
100	PI/2 BPSK	1	271	19.17	19.23	19.06	20.7	0.0
100	PI/2 BPSK	135	0	19.00	19.34	19.26		
100	PI/2 BPSK	135	69	19.15	19.25	19.32	20.7	0.0
100	PI/2 BPSK	135	138	19.13	19.20	19.05		
100	PI/2 BPSK	270	0	18.85	19.15	19.00	20.7	0.0
100	QPSK	1	1	19.37	19.44	19.32		
100	QPSK	1	137	19.29	19.32	19.11	20.7	0.0
100	QPSK	1	271	19.27	19.29	19.24		
100	QPSK	135	0	19.06	19.39	19.28	20.7	0.0
100	QPSK	135	69	19.27	19.41	19.32		
100	QPSK	135	138	19.17	19.34	19.25	20.7	0.0
100	QPSK	270	0	19.06	19.22	19.12		
100	16QAM	1	1	19.14	19.11	18.95	20.7	0.0
100	64QAM	1	1	19.15	19.24	19.25		
100	256QAM	1	1	18.93	19.26	19.29	20.7	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.17	19.23	19.10	20.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.28	19.15	19.16	20.7	0.0
Channel				649200	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	20.7	0.0
70	QPSK	1	1	19.05	19.32	19.10		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	20.7	0.0
60	QPSK	1	1	19.21	19.15	19.17		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	20.7	0.0
50	QPSK	1	1	19.07	19.23	19.07		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	20.7	0.0
40	QPSK	1	1	19.26	19.26	19.05		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	20.7	0.0
30	QPSK	1	1	19.14	19.20	19.11		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	20.7	0.0
20	QPSK	1	1	19.06	19.20	19.24		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	20.7	0.0
15	QPSK	1	1	19.29	19.16	19.08		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	20.7	0.0
10	QPSK	1	1	19.17	19.13	19.21		

Part27Q n77 PC3&PC2 DSi6 ANT7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	20.7	0.0	
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1	19.15	19.35	19.03	20.7	0.0	
100	PI/2 BPSK	1	137	19.04					
100	PI/2 BPSK	1	271	19.09	19.35	19.01	20.7	0.0	
100	PI/2 BPSK	135	0	19.13					
100	PI/2 BPSK	135	69	19.09	19.35	19.07	20.7	0.0	
100	PI/2 BPSK	135	138	19.03					
100	PI/2 BPSK	270	0	19.01	19.35	19.07	20.7	0.0	
100	QPSK	1	1	19.35					
100	QPSK	1	137	19.12	19.35	19.07	20.7	0.0	
100	QPSK	1	271	19.07					
100	QPSK	135	0	19.17	19.35	19.07	20.7	0.0	
100	QPSK	135	69	19.32					
100	QPSK	135	138	19.07	19.35	19.07	20.7	0.0	
100	QPSK	270	0	19.28					
100	16QAM	1	1	18.84	19.05	19.03	20.7	0.0	
100	64QAM	1	1	19.05					
100	256QAM	1	1	19.03	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel				3495	3500.01	3505.02	20.7	0.0	
Frequency (MHz)				19.18	19.12	18.99			
90	QPSK	1	1	19.18	19.12	18.99	20.7	0.0	
Channel				632668	633334	634000			Tune-up limit (dBm)
Frequency (MHz)				3490.02	3500.01	3510	20.7	0.0	
80	QPSK	1	1	19.18	19.24	19.06			
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	20.7	0.0	
70	QPSK	1	1	19.02	19.21	18.90			
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	20.7	0.0	
60	QPSK	1	1	19.16	19.04	19.03			
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.7	0.0	
50	QPSK	1	1	19.15	19.02	18.89			
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	20.7	0.0	
40	QPSK	1	1	19.03	19.06	19.10			
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	20.7	0.0	
30	QPSK	1	1	19.14	19.19	19.03			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.7	0.0	
20	QPSK	1	1	18.95	19.11	18.91			
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	20.7	0.0	
15	QPSK	1	1	18.96	19.18	18.99			
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	20.7	0.0	
10	QPSK	1	1	19.18	19.02	19.11			

Part270 n78 PC3&PC2 DSI6 ANT7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750	20.7	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	19.00				
100	PI/2 BPSK	1	137	19.09				
100	PI/2 BPSK	1	271	18.91			20.7	0.0
100	PI/2 BPSK	135	0	19.04				
100	PI/2 BPSK	135	69	19.00				
100	PI/2 BPSK	135	138	19.09				
100	PI/2 BPSK	270	0	19.05			20.7	0.0
100	QPSK	1	1	19.28				
100	QPSK	1	137	19.06				
100	QPSK	1	271	19.11				
100	QPSK	135	0	19.24			20.7	0.0
100	QPSK	135	69	19.28				
100	QPSK	135	138	19.16				
100	QPSK	270	0	19.07				
100	16QAM	1	1	18.84			20.7	0.0
100	64QAM	1	1	18.13				
100	256QAM	1	1	19.00				
Channel				849688	850000	850334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	20.7	0.0
90	QPSK	1	1	19.00	19.05	19.12	20.7	0.0
Channel				849334	850000	850668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	20.7	0.0
80	QPSK	1	1	18.99	19.09	19.10	20.7	0.0
Channel				849000	850000	851000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	20.7	0.0
70	QPSK	1	1	19.07	19.03	18.89	20.7	0.0
Channel				848668	850000	851334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	20.7	0.0
60	QPSK	1	1	19.06	19.10	19.01	20.7	0.0
Channel				848334	850000	851668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	20.7	0.0
50	QPSK	1	1	19.13	19.19	19.03	20.7	0.0
Channel				848000	850000	852000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	20.7	0.0
40	QPSK	1	1	19.07	19.25	19.05	20.7	0.0
Channel				847668	850000	852334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	20.7	0.0
30	QPSK	1	1	19.02	19.07	19.03	20.7	0.0
Channel				847334	850000	852668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	20.7	0.0
20	QPSK	1	1	19.98	19.22	18.93	20.7	0.0
Channel				847168	850000	852834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	20.7	0.0
15	QPSK	1	1	19.11	19.02	19.08	20.7	0.0
Channel				847000	850000	853000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	20.7	0.0
10	QPSK	1	1	19.04	19.08	18.94	20.7	0.0

Part27Q n78 PC3&PC2 DSI6 ANT7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	3500.01	3500.01	20.7	0.0
Frequency (MHz)				3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1	19.08				
100	PI/2 BPSK	1	137	19.01				
100	PI/2 BPSK	1	271	19.01			20.7	0.0
100	PI/2 BPSK	135	0	18.92				
100	PI/2 BPSK	135	69	19.05				
100	PI/2 BPSK	135	138	18.92				
100	PI/2 BPSK	270	0	18.88			20.7	0.0
100	QPSK	1	1	19.28				
100	QPSK	1	137	19.08				
100	QPSK	1	271	19.02				
100	QPSK	135	0	19.22			20.7	0.0
100	QPSK	135	69	19.11				
100	QPSK	135	138	19.08				
100	QPSK	270	0	19.14				
100	16QAM	1	1	18.85			20.7	0.0
100	64QAM	1	1	18.05				
100	256QAM	1	1	18.82				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	20.7	0.0
90	QPSK	1	1	18.90	18.89	18.82	20.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	20.7	0.0
80	QPSK	1	1	19.04	18.87	18.70	20.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	20.7	0.0
70	QPSK	1	1	19.00	18.80	18.81	20.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	20.7	0.0
60	QPSK	1	1	19.08	18.95	18.76	20.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	20.7	0.0
50	QPSK	1	1	19.02	18.94	18.88	20.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	20.7	0.0
40	QPSK	1	1	19.02	18.87	18.75	20.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	20.7	0.0
30	QPSK	1	1	18.87	18.80	18.89	20.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	20.7	0.0
20	QPSK	1	1	18.97	19.04	18.85	20.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	20.7	0.0
15	QPSK	1	1	19.04	19.00	18.73	20.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	20.7	0.0
10	QPSK	1	1	19.09	18.89	18.74	20.7	0.0

WLAN/Bluetooth Power

[illegible][illegible]

Alt-2-6		Full power For Handheld Operations		Full Power Standalone For Repeater Operations		For Handheld Only		For Hand W/AAV max DBS		For Hand W/AAV + DBS		For Repeater Standalone		For Handheld DBS Only		For Handheld W/AAV max DBS For Repeater W/AAV max DBS		For Handheld W/AAV+DBS For Repeater W/AAV+DBS			
Mode	Channel	Frequency (MHz)	Average power (dBm)		Time-Up Limit		Average power (dBm)		Time-Up Limit		Average power (dBm)		Time-Up Limit		Average power (dBm)		Time-Up Limit		Average power (dBm)		Day Cycle %
			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit			
802.11a (Mbps)	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	98.97		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	Not Required	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11a (VHTS) MCS0	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11a (VHTS) MCS1	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS0	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS1	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS2	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS3	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS4	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS5	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS6	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS7	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS8	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS9	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS10	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS11	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	64	5940	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
802.11ac (VHTS) MCS12	52	5880	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00	100.00		
	56	5900	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00	17.00	14.00	20.00	17.00	14.00	14.00			
	60	5920	20.00	22.50	20.00	20.00	16.50	15.50	12.00	22.00	20.00	20.00									

Asset ID	Full power For Non-Redundant Standalone For Redundant Standalone				For Head Standalone				For Head DSD Only				For Head W/VRM and DSD				For Head W/VRM Only For Redundant DSD Only				For Head W/VRM and DSD For Redundant W/VRM - CDS			
	Model	Channel	Frequency	Average power (dBm)	Time-to-Lock	Average power (dBm)	Time-to-Lock	Average power (dBm)	Time-to-Lock	Average power (dBm)	Time-to-Lock	Average power (dBm)	Time-to-Lock	Average power (dBm)	Time-to-Lock	Average power (dBm)	Time-to-Lock	Average power (dBm)	Time-to-Lock	Average power (dBm)	Time-to-Lock	Drop Cycle %		
B01 1in-080in	B01 1in-080in	138	5000	20.40	22.00	20.00	20.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	98.00		
		136	5000	20.10	21.50	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		134	5000	20.17	21.50	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		132	5000	20.24	21.50	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		130	5000	20.31	21.50	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		128	5000	20.37	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
B02 1in-0120in	B02 1in-0120in	138	5000	20.50	22.00	20.00	20.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	100.00		
		136	5000	20.30	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		134	5000	20.40	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		132	5000	20.50	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		130	5000	20.60	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		128	5000	20.70	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
B02 1in-0140in	B02 1in-0140in	138	5000	20.64	22.00	20.00	20.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	100.00		
		136	5000	20.46	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		134	5000	20.49	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		132	5000	20.54	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		130	5000	20.60	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		128	5000	20.67	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
B02 1in-0160in	B02 1in-0160in	138	5000	20.69	22.00	20.00	20.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	100.00		
		136	5000	20.50	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		134	5000	20.54	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		132	5000	20.59	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		130	5000	20.64	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		128	5000	20.70	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
B02 1in-0180in	B02 1in-0180in	138	5000	20.72	22.00	17.27	22.00	18.00	18.04	18.00	13.48	18.00	11.04	12.27	18.00	17.00	18.00	14.00	18.00	15.00	15.00	100.00		
		136	5000	20.37	22.00	18.00	18.00	18.00	18.00	18.00	13.48	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00				
		134	5000	20.38	22.00	18.00	18.00	18.00	18.00	18.00	13.49	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00				
		132	5000	20.39	22.00	18.00	18.00	18.00	18.00	18.00	13.49	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00				
		130	5000	20.40	22.00	18.00	18.00	18.00	18.00	18.00	13.49	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00				
		128	5000	20.41	22.00	18.00	18.00	18.00	18.00	18.00	13.49	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00				
B02 1in-0200in	B02 1in-0200in	138	5000	20.77	22.00	18.00	18.00	18.00	18.00	18.00	13.48	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00	100.00			
		136	5000	20.38	22.00	18.00	18.00	18.00	18.00	18.00	13.49	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00				
		134	5000	20.39	22.00	18.00	18.00	18.00	18.00	18.00	13.49	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00				
		132	5000	20.40	22.00	18.00	18.00	18.00	18.00	18.00	13.49	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00				
		130	5000	20.41	22.00	18.00	18.00	18.00	18.00	18.00	13.49	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00				
		128	5000	20.42	22.00	18.00	18.00	18.00	18.00	18.00	13.49	18.00	10.91	20.00	18.00	18.00	13.00	13.00	13.00	13.00				
B02 1in-0220in	B02 1in-0220in	138	5000	20.79	22.00	20.00	20.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	100.00		
		136	5000	20.31	20.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		134	5000	20.33	20.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		132	5000	20.35	20.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		130	5000	20.37	20.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		128	5000	20.39	20.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
B02 1in-0240in	B02 1in-0240in	138	5000	20.81	22.00	20.00	20.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	100.00		
		136	5000	20.42	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		134	5000	20.44	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		132	5000	20.46	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		130	5000	20.48	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		128	5000	20.50	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
B02 1in-0260in	B02 1in-0260in	138	5000	20.83	22.00	20.00	20.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	100.00		
		136	5000	20.44	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		134	5000	20.46	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		132	5000	20.48	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		130	5000	20.50	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		128	5000	20.52	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
B02 1in-0280in	B02 1in-0280in	138	5000	20.85	22.00	20.00	20.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00	100.00		
		136	5000	20.46	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		134	5000	20.48	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00	18.00	18.00	21.00	21.00			
		132	5000	20.50	22.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	21.00	21.00							

[illegible]

**BT BR/EDR Ant4**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	9.09	8.60	8.56	10.00
	CH 39	2441	11.16	10.36	10.40	12.00
	CH 78	2480	9.47	8.67	9.05	10.50

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.55
	CH 19	2440	7.56
	CH 39	2480	6.10
Tune-up Limit			8

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.60
	CH 19	2440	7.69
	CH 39	2480	6.12
Tune-up Limit			8.00

BT BR/EDR Ant6

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.65	9.91	9.94	11.00
	CH 39	2441	10.18	9.71	9.90	11.00
	CH 78	2480	9.39	8.70	8.38	10.50

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.92
	CH 19	2440	5.93
	CH 39	2480	4.89
Tune-up Limit			7

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.03
	CH 19	2440	6.22
	CH 39	2480	4.70
Tune-up Limit			7.50



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.



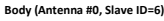
Head (Antenna #0, Slave ID=6)

WCDMA B4	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg SAR (W/kg)	Auto-Tune	Average Value of Time Sweeps (W/kg)																									
										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
	RMC 12.2Kbps	1413	1752.4	-	-	Right Cheek	Open	0.15	0.208	0.042	0.066	0.104	0.089	0.039	0.013	0.043	0.030	0.043	0.038	0.014	0.019	0.046	0.063	0.012	0.031	0.037	0.019	0.001	0.001	0.001	0.001	0.001			
WCDMA B5	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg SAR (W/kg)	Auto-Tune	Average Value of Time Sweeps (W/kg)																									
										RMC 12.2Kbps	4162	836.4	-	-	Left Cheek	Open	0.197	0.237	0.120	0.007	0.034	0.049	0.108	0.017	0.027	0.001	0.045	0.004	0.007	0.009	0.131	0.001	0.005	0.131	0.009
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg SAR (W/kg)	Auto-Tune	Average Value of Time Sweeps (W/kg)																									
	QPSK	21100	2535	1	0	Right Cheek	Open	0.106	0.154	0.073	0.069	0.087	0.065	0.058	0.078	0.077	0.055	0.062	0.060	0.038	0.044	0.062	0.065	0.052	0.054	0.047	0.044	0.054	0.036	0.038	0.038	0.038	0.038		
LTE B12	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg SAR (W/kg)	Auto-Tune	Average Value of Time Sweeps (W/kg)																									
										QPSK	23095	707.5	1	0	Left Cheek	Open	0.212	0.203	0.102	0.170	0.178	0.162	0.018	0.005	0.000	0.014	0.040	0.003	0.006	0.007	0.013	0.076	0.043	0.000	0.002
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg SAR (W/kg)	Auto-Tune	Average Value of Time Sweeps (W/kg)																									
	QPSK	23230	782	1	0	Left Cheek	Open	0.074	0.087	0.048	0.017	0.037	0.080	0.049	0.043	0.010	0.001	0.023	0.049	0.000	0.008	0.004	0.001	0.043	0.001	0.014	0.016	0.008	0.023	0.035	0.030	0.030	0.030		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg SAR (W/kg)	Auto-Tune	Average Value of Time Sweeps (W/kg)																									
	QPSK	26865	831.5	1	0	Left Cheek	Open	0.102	0.126	0.027	0.076	0.038	0.071	0.114	0.068	0.017	0.005	0.003	0.117	0.004	0.005	0.004	0.086	0.106	0.000	0.015	0.035	0.013	0.041	0.035	0.038	0.038	0.038		
LTE B96	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg SAR (W/kg)	Auto-Tune	Average Value of Time Sweeps (W/kg)																									
										QPSK	152552	1746	1	0	Right Cheek	Open	0.111	0.141	0.017	0.024	0.015	0.000	0.003	0.005	0.005	0.005	0.003	0.000	0.001	0.015	0.020	0.005	0.000	0.017	0.000
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg SAR (W/kg)	Auto-Tune	Average Value of Time Sweeps (W/kg)																									
	QPSK	167300	886.5	1	1	Left Cheek	Open	0.128	0.159	0.030	0.076	0.032	0.014	0.102	0.060	0.020	0.019	0.051	0.003	0.036	0.010	0.019	0.073	0.003	0.001	0.018	0.073	0.020	0.048	0.038	0.030	0.030	0.030		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg SAR (W/kg)	Auto-Tune	Average Value of Time Sweeps (W/kg)																									
	QPSK	507000	2535	54	108	Left Tilted	Open	0.044	0.068	0.012	0.013	0.014	0.017	0.012	0.012	0.014	0.014	0.014	0.010	0.009	0.013	0.012	0.012	0.022	0.011	0.009	0.015	0.011	0.038	0.025	0.023	0.023	0.023		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg SAR (W/kg)	Auto-Tune	Average Value of Time Sweeps (W/kg)																									
	QPSK	349000	1746	1	1	Right Cheek	Open	0.118	0.168	0.003	0.008	0.008	0.001	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.001	0.003	0.000	0.001	0.000	0.000	0.000	0.000	0.003	0.029	0.041	0.041		

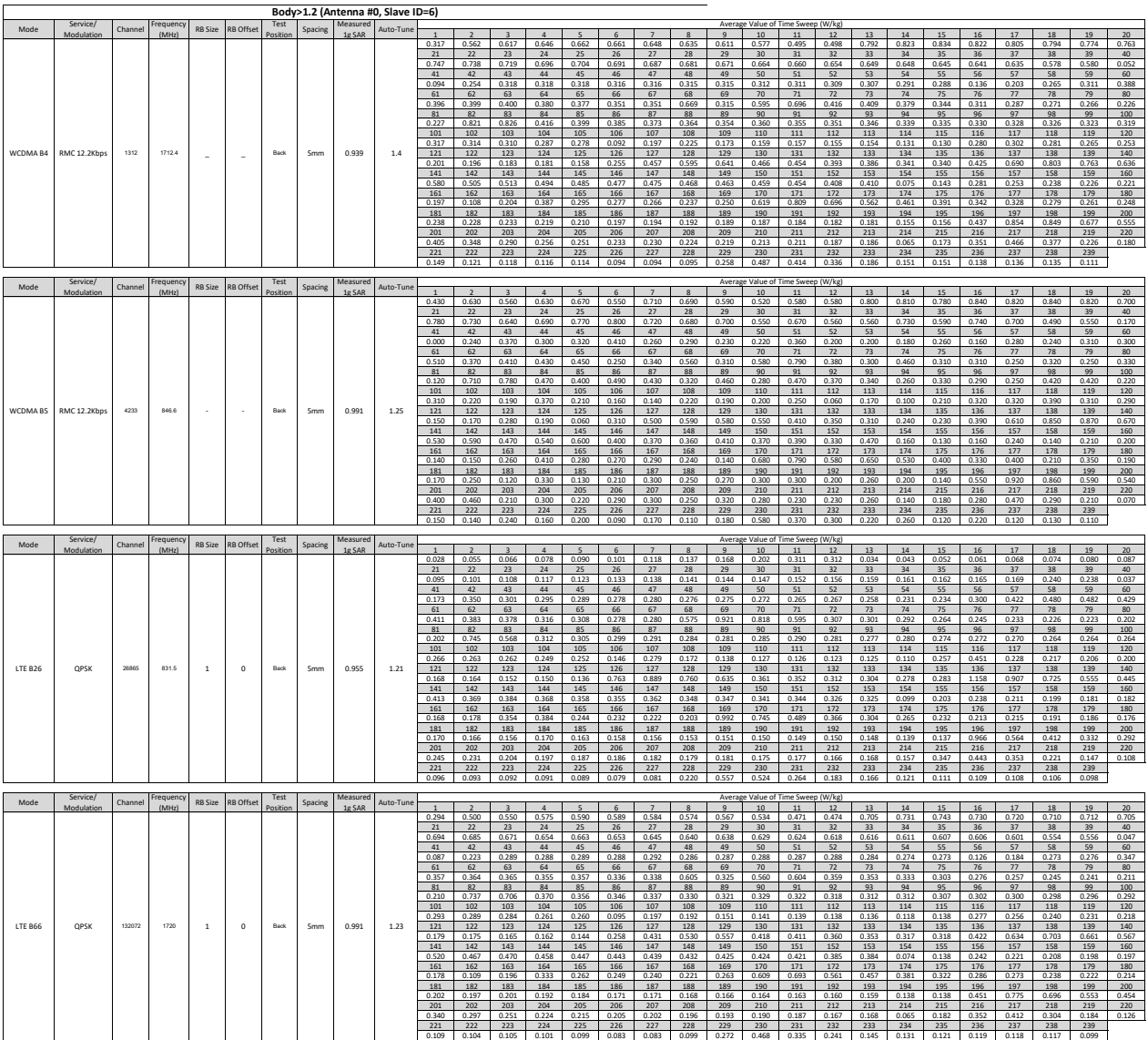
Head (Antenna #1, Slave ID=6)																									
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	1	16	31	46	61	76	91	106	121	136	151	166	181	196		
WCDMA B2	RMC 12.2Kps	9538	1907.6	-	-	Left Tilted	Open	0.903	1.67	0.944	0.980	0.970	0.501	0.828	0.981	0.680	0.829	0.944	0.731	0.717	0.488	0.982	0.941		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	2	17	32	47	62	77	92	107	122	137	152	167	182	197		
WCDMA B4	RMC 12.2Kps	1312	1712.4	-	-	Right Cheek	Open	0.842	1.81	0.858	0.917	0.414	0.971	0.985	0.988	0.183	0.176	0.542	0.980	0.972	0.085	0.448	0.530		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	3	18	33	48	63	78	93	108	123	138	153	168	183	198		
WCDMA B5	RMC 12.2Kps	4233	846.6	-	-	Right Cheek	Open	0.992	1.92	0.457	0.517	0.541	0.598	0.082	0.574	0.944	0.974	0.378	0.980	0.417	0.438	0.001	0.499		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	4	19	34	49	64	79	94	109	124	139	154	169	184	199		
LTE B7	QPSK	21105	2535	1	0	Right Cheek	Open	0.994	1.82	0.558	0.602	0.558	0.317	0.416	0.605	0.617	0.599	0.486	0.557	0.593	0.028	0.014	0.584		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	5	20	35	50	65	80	95	110	125	140	155	170	185	200		
LTE B12	QPSK	23995	702.5	1	0	Right Tilted	Open	0.992	1.3	0.933	0.958	0.140	0.917	1.076	0.290	0.086	0.245	0.820	0.978	0.101	0.020	0.250	0.178		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	6	21	36	51	66	81	96	111	126	141	156	171	186	201		
LTE B15	QPSK	23230	792	1	0	Right Tilted	Open	0.997	2.77	0.282	0.465	0.589	0.055	0.353	0.544	0.422	0.275	0.112	0.144	0.113	0.391	0.419	0.462		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	7	22	37	52	67	82	97	112	127	142	157	172	187	202		
LTE B25	QPSK	26590	1985	1	0	Right Tilted	Open	0.993	2.17	1.151	1.169	1.096	1.087	1.159	1.108	1.018	0.880	1.119	0.799	1.304	0.077	0.736	1.184		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	8	23	38	53	68	83	98	113	128	143	158	173	188	203		
LTE B28	QPSK	39660	831.5	1	0	Right Cheek	Open	0.995	2.71	0.881	0.430	0.805	0.065	0.824	0.379	0.880	0.105	0.177	0.874	0.318	1.165	0.026	0.803		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	9	24	39	54	69	84	99	114	129	144	159	174	189	204		
LTE B41	QPSK	40620	2593	1	0	Right Cheek	Open	0.875	1.78	1.029	0.738	0.835	0.529	0.977	1.029	1.046	1.059	0.749	1.052	0.789	1.032	1.054	1.028		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	10	25	40	55	70	85	100	115	130	145	160	175	190	205		
LTE B86	QPSK	130072	1720	1	0	Right Tilted	Open	0.963	2.1	0.375	0.258	0.348	0.723	0.404	0.468	0.218	0.175	0.804	0.324	0.595	0.321	0.478	0.338		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	11	26	41	56	71	86	101	116	131	146	161	176	191	206		
FR1 r2	QPSK	380300	1900	1	1	Right Cheek	Open	1	2.02	1.481	1.209	1.373	1.240	1.419	1.032	0.768	0.823	1.386	1.116	1.268	0.897	0.413	1.233		
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	12	27	42	57	72	87	102	117	132	147	162	177	192	207		
FR1 r5	QPSK	167300	636.5	1	1	Right Cheek	Open	0.948	2.11	0.329	0.154	0.862	0.484	0.837	1.303	1.462	1.209	0.359	1.918	1.045	0.859	1.242			
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	13	28	43	58	73	88	103	118	133	148	163	178	193	208		
FR1 r7	QPSK	507000	2535	108	54	Right Cheek	Open	0.93	1.78	1.354	1.774	1.714	1.458	1.734	1.778	1.774	1.773	1.301	1.345	1.777	1.703	1.772			
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	14	29	44	59	74	89	104	119	134	149	164	179	194	209		
FR1 r41 HPLF	QPSK	216588	2502.99	1	1	Right Cheek	Open	1.06	2.03	1.595	1.758	1.791	1.987	1.786	1.884	1.812	1.763	1.350	1.419	1.528	1.801	1.811			
Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Tg Sub (dB/Hz)	Average Value of Time Spans (0.5s)																
									Auto-Tune	15	30	45	60	75	90	105	120	135	150	165	180	195	210		
FR1 r66	QPSK	349000	1745	108	54	Right Cheek	Open	0.959	2.31	0.425	0.398	0.972	0.372	0.347	0.465	0.291	0.427	0.771	0.712	0.094	0.174	0.236			

Head-1.2 (Antenna #1, Slave ID=6)																															
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1σ SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																					
WCDMA B2	RMC 12.2RMC	9538	1907.6	-	-	Left Thrd	0mm	0.903	1.67	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
										0.944	0.960	0.988	0.910	0.991	1.000	0.980	0.942	1.013	1.006	0.970	0.912	0.925	0.956	0.946	0.980	0.952	0.980	0.948	0.739		
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
										0.974	0.953	0.952	0.827	0.935	0.713	0.755	0.859	0.958	0.970	0.980	0.978	0.984	0.965	0.972	0.961	0.934	0.955	0.958	0.998		
										41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60		
										0.987	0.933	0.976	0.964	0.818	0.501	0.485	0.589	0.618	0.303	0.553	0.872	0.548	0.719	0.650	0.618	0.476	0.766	0.951	0.981	0.960	0.882
										61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80		
										0.826	0.877	0.788	0.810	0.886	0.937	0.926	0.964	0.977	0.965	0.977	0.980	0.967	0.964	0.970	0.981	0.974	0.971	0.982	0.940		
										81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100		
										0.945	0.960	0.974	0.922	0.902	0.869	0.821	0.908	0.844	0.953	0.680	0.781	0.633	0.793	0.790	0.882	0.891	0.874	0.740	0.698		
										101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120		
										0.735	0.855	0.859	0.920	0.927	0.829	0.770	0.764	0.831	0.821	0.814	0.824	0.840	0.738	0.736	0.738	0.742	0.741	0.746	0.654		
										121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140		
										0.944	0.916	0.955	0.951	0.944	0.868	0.833	0.836	0.830	0.718	0.895	0.884	0.875	0.848	0.863	0.731	0.729	0.711	0.673	0.831		
										141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160		
										0.577	0.781	0.701	0.904	0.825	0.888	0.719	0.732	0.888	0.943	0.717	0.863	0.911	0.823	0.963	0.864	0.981	0.925	0.918	0.935		
										161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180		
										0.623	0.702	0.705	0.458	0.460	0.486	0.489	0.491	0.599	0.071	0.889	0.891	0.889	0.819	0.822	0.648	0.648	0.679	0.681	0.685		
										181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200		
										0.982	0.981	0.045	0.034	0.971	0.968	0.827	0.526	0.536	0.453	0.338	0.961	0.956	0.914	0.617	0.941	0.945	0.976	0.971	0.964		
										0.959	0.956	0.919	0.928	0.938	0.945																
WCDMA B4	RMC 12.2RMC	1312	1712.4	-	-	Right Chord	0mm	0.942	1.81	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
										0.407	0.508	0.465	0.458	0.465	0.346	0.336	0.303	0.342	0.349	0.493	0.580	0.597	0.490	0.515	0.429	0.317	0.340	0.314	0.825		
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
										0.470	0.511	0.516	0.189	0.242	0.181	0.177	0.250	0.404	0.326	0.331	0.414	0.391	0.268	0.327	0.377	0.358	0.299	0.455	0.325		
										41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60		
										0.436	0.336	0.388	0.393	0.073	0.014	0.071	0.339	0.384	0.384	0.065	0.056	0.910	0.748	0.714	0.504	0.497	0.496	0.351	0.351		
										61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80		
										0.752	0.585	0.441	0.670	0.000	0.762	0.538	0.562	0.338	0.372	0.431	0.421	0.371	0.368	0.382	0.411	0.368	0.379	0.501	0.501		
										81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100		
										0.329	0.353	0.112	0.201	0.433	0.234	0.205	0.296	0.222	0.347	0.150	0.183	0.212	0.187	0.181	0.264	0.276	0.254	0.176	0.198		
										101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120		
										0.143	0.256	0.267	0.273	0.297	0.211	0.176	0.171	0.200	0.207	0.201	0.208	0.118	0.160	0.161	0.164	0.164	0.166	0.401	0.551		
										121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140		
										0.542	0.448	0.503	0.518	0.481	0.608	0.315	0.319	0.370	0.619	0.030	0.603	0.707	0.709	0.545	0.260	0.291	0.144	0.260	0.260		
										141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160		
										0.119	0.171	0.143	0.114	0.080	0.124	0.152	0.153	0.152	0.149	0.172	0.173	0.152	0.148	0.155	0.168	0.177	0.178	0.180	0.180		
										161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180		
										0.096	0.144	0.144	0.073	0.072	0.084	0.085	0.086	0.036	0.012	0.268	0.268	0.268	0.294	0.297	0.125	0.125	0.142	0.143	0.144		
										181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200		
										0.428	0.448	0.070	0.125	0.466	0.465	0.259	0.250	0.347	0.453	0.686	0.331	0.332	0.273	0.175	0.538	0.530	0.412	0.406	0.475		
										0.475	0.493	0.299	0.303	0.311	0.319																
WCDMA B5	RMC 12.2RMC	4233	846.6	-	-	Right Chord	0mm	0.992	1.92	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
										0.381	0.301	0.457	0.215	0.457	0.458	0.542	0.730	0.347	0.380	0.330	0.202	0.236	0.334	0.283	0.575	0.623	0.517	0.678	0.109		
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
										0.428	0.352	0.321	0.145	0.199	0.043	0.07	0.305	0.345	0.345	0.062	0.072	0.291	0.479	0.782	0.856	0.967	0.889	0.784	0.984		
										41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60		
										0.411	0.594	0.554	0.614	0.025	0.020	0.026	0.005	0.492	0.567	0.036	0.085	0.060	0.060	0.307	0.097	0.310	0.319	0.324	0.077		
										61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80		
										0.133	0.175	0.082	0.115	0.160	0.200	0.234	0.607	0.528	0.589	0.574	0.447	0.597	0.603	0.565	0.454	0.559	0.574	0.615	0.781		
										81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100		
										0.730	0.730	0.532	0.785	0.125	0.630	0.980	0.891	0.917	0.200	0.854	0.944	0.957	0.897	0.816	0.565	0.650	0.623	0.975	0.975		
										101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120		
										0.143	0.256	0.267	0.273	0.297	0.211	0.176	0.171	0.200	0.207	0.201	0.208	0.118	0.160	0.161	0.164	0.164	0.166	0.401	0.551		
										121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140		
										0.338	0.226	0.378	0.271	0.344	0.174	0.150	0.135	0.133	0.080	0.211	0.201	0.181	0.158	0.021	0.022	0.045	0.060	0.328	0.386		
										141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160		
										0.255	0.900	0.835	0.725	0.885	0.364	0.824	0.103	0.143	0.182	0.059	0.190	0.417	0.058	0.219	0.225	0.297	0.246	0.253	0.284		
										161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180		
										0.090	0.631	0.931	0.492	0.453	0.448	0.444	0.438	0.005	0.002	0.760	0.822	0.803	0.767	0.745	0.683	0.839	0.849	0.846	0.841		
										181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200		
										0.432	0.389	0.001	0.000	0.456	0.458	0.029	0.021	0.015	0.010	0.065	0.787	0.759	0.801	0.865	0.298	0.310	0.469	0.484	0.422		
										0.417	0.391	0.750	0.741	0.705	0.671																
LTE B7	RMC 12.2RMC	21100	2535	1	0	Right Chord	0mm	0.992	1.92	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
										1.026	0.816	0.840	1.011	0.830	1.017	1.057	1.075	1.014	0.918	0.792	0.805	0.845	0.824	0.825	1.047	1.038	0.775	0.675	0.675		
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
										0.843	0.825	0.827	0.833	0.833	0.833	1.032	1.081	1.019	0.912	0.803	0.822	0.836	0.852	0.836	0.844	1.022					

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1σ SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																													
										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20										
LTE B41	QPSK	4000	2505	1	0	Right Chord	0mm	0.875	1.78	0.947	0.874	0.832	0.949	0.826	0.876	0.792	0.929	0.499	0.935	0.805	0.778	0.751	0.819	0.791	0.824	1.008	0.967	0.986	0.644										
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										
										0.819	0.793	0.788	0.728	0.804	0.948	0.915	0.889	0.844	0.871	0.880	0.845	0.905	0.880	0.988	0.969	0.974	1.001	0.812	0.844										
										41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60										
										0.941	0.955	0.963	0.974	0.425	0.776	0.733	0.873	0.521	0.978	0.739	0.594	0.594	0.526	0.426	0.674	0.615	0.821	0.818	1.004										
										61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80										
										0.674	0.754	0.959	0.697	0.137	0.778	0.739	0.873	0.521	0.978	0.739	0.594	0.594	0.526	0.426	0.674	0.615	0.821	0.818	1.004										
										81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100										
										0.163	0.261	0.263	1.111	1.028	1.014	1.044	1.019	0.863	1.025	0.943	1.016	1.033	1.027	1.033	1.027	1.033	1.012	1.033	1.012										
										101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120										
										1.018	1.015	1.021	0.986	0.971	1.028	1.018	1.017	1.022	1.028	1.023	1.028	1.033	1.008	1.012	1.061	1.008	1.011	0.958	0.777										
										121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140										
										0.810	0.794	0.801	0.798	0.787	0.843	0.742	0.926	0.724	0.844	0.747	0.745	0.727	0.701	1.021	1.003	0.976	0.957	0.953	1.021										
										141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160										
										0.941	0.919	1.032	1.027	0.958	0.988	0.938	0.853	0.773	0.871	0.888	0.762	0.950	0.956	0.842	0.974	0.850	0.900	0.762	0.780										
										161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180										
										0.814	0.514	1.017	0.772	0.773	0.776	0.769	0.502	0.773	1.054	1.024	1.008	1.002	0.969	0.967	0.969	0.968	0.969	0.968	0.969										
										181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200										
										0.947	0.926	0.942	0.931	0.822	0.827	1.036	1.053	1.028	1.001	0.876	0.876	0.974	0.988	0.577	0.733	0.800	0.952	0.968	0.819										
										201	202	203	204	205	206																								
										0.814	0.808	1.007	1.008	0.588	0.991																								
LTE B66	QPSK	130072	1720	1	0	Right Thrd	0mm	0.963	2.1	0.002	1.448	1.342	1.524	1.332	1.002	1.056	1.050	0.375	0.377	0.369	0.638	0.533	0.561	0.463	0.343	0.368	0.338	0.859											
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										
										0.504	0.551	0.561	0.181	0.258	0.194	0.180	0.309	0.439	0.361	0.357	0.451	0.425	0.317	0.355	0.411	0.391	0.327	0.525	0.348										
										41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60										
										0.472	0.366	0.423	0.306	1.047	0.921	0.991	0.929	0.889	0.299	0.903	0.922	0.890	0.922	0.723	0.763	0.543	0.537	0.536	0.344										
										61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80										
										0.801	0.628	0.475	0.707	0.050	0.008	0.573	0.359	0.429	0.404	0.468	0.455	0.405	0.402	0.419	0.445	0.419	0.413	0.381	0.301										
										81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100										
										0.358	0.368	0.122	0.119	0.466	0.254	0.187	0.251	0.252	0.198	0.251	0.252	0.198	0.251	0.252	0.198	0.251	0.252	0.198	0.251										
										101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120										
										0.196	0.294	0.293	0.301	0.329	0.229	0.194	0.184	0.219	0.225	0.218	0.229	0.238	0.174	0.175	0.178	0.174	0.180	0.433	0.594										
										121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140										
										0.544	0.581	0.537	0.540	0.558	0.518	0.648	0.554	0.677	0.804	0.662	0.873	0.712	0.740	0.712	0.567	0.401	0.311	0.156	0.271										
										141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160										
										0.127	0.189	0.159	0.332	0.324	0.350	0.183	0.326	0.329	0.502	0.333	0.813	0.406	0.541	0.509	0.581	0.522	0.562	0.515	0.596										
										161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180										
										0.099	0.153	0.185	0.088	0.075	0.088	0.090	0.082	0.094	0.292	0.291	0.298	0.290	0.323	0.320	0.293	0.153	0.153	0.150	0.150										
										181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200										
										0.465	0.435	0.093	0.121	0.502	0.508	0.281	0.312	0.372	0.478	0.691	0.563	0.564	0.311	0.183	0.578	0.568	0.568	0.437	0.518										
										0.517	0.532	0.323	0.328	0.336	0.344																								
										FR1 n2	QPSK	38000	160	1	1	Right Thrd	0mm	0.963	2.1	1.239	1.447	1.481	1.186	1.471	1.367	1.292	1.205	1.447	1.412	1.451	1.395	1.402	1.448	1.438	1.238	1.315	1.225	1.291	
21	22	23	24	25	26	27	28	29	30											31	32	33	34	35	36	37	38	39	40										
1.431	1.432	1.425	1.425	1.425	1.425	1.425	1.425	1.425	1.425											1.425	1.425	1.425	1.425	1.425	1.425	1.425	1.425	1.425	1.425										
41	42	43	44	45	46	47	48	49	50											51	52	53	54	55	56	57	58	59	60										
1.372	1.195	1.336	1.298	0.771	0.718	0.698	0.502	0.576	1.069											0.832	1.231	1.105	1.110	0.915	1.249	1.446	1.444	1.444	1.398										
61	62	63	64	65	66	67	68	69	70											71	72	73	74	75	76	77	78	79	80										
1.323	1.366	0.994	1.301	1.362	1.402	1.284	1.321	0.926	1.449											1.343	1.259	1.288	1.307	1.533	1.088	1.259	1.257	1.444											
81	82	83	84	85	86	87	88	89	90											91	92	93	94	95	96	97	98	99	100										
1.246	1.253	1.054	1.174	1.174	1.032	0.944	0.909	0.977	1.179											0.726	0.883	0.957	0.900	0.897	1.057	1.074	1.042	0.841	0.751										
101	102	103	104	105	106	107	108	109	110											111	112	113	114	115	116	117	118	119	120										
1.433	1.419	1.423	1.421	1.417	1.161	1.354	1.122	1.318	1.202											1.386	1.396	1.279	1.348	0.939	0.912	0.855	0.803	0.724	0.860										
141	142	143	144	145	146	147	148	149	150											151	152	153	154	155	156	157	158	159	160										
0.617	0.847	0.765	1.127	1.173	1.116	0.811	1.467	1.512	1.508											1.228	1.381	1.188	1.246	1.499	0.902	1.455	1.428	1.403	1.419										
161	162	163	164	165	166	167	168	169	170											171	172	173	174	175	176	177	178	179	180										
1.285	0.779	0.775	0.454	0.495	0.496	0.499	0.495	0.502	0.178											1.132	1.119	1.115	1.114	1.172	1.179	0.697	0.695	0.736	0.741	0.746									
181	182	183	184	185	186	187	188	189	190											191	192	193	194	195	196	197	198	199	200										
1.368	1.391	1.003	0.054	1.441	1.473	1.482	1.483	0.864	0.864											0.904	0.921	0.413	1.278	1.273	1.088	1.274	1.415	1.431	1.351	1.342	1.432								
201	202	203	204	205	206																																		
1.426	1.427	1.186	1.189	1.208	1.233																																		
FR1 n5	QPSK	16730	806.5	1	1	Right Thrd	0mm	0.948	2.11											0.548	0.472	0.691	0.314	0.894	0.688	1.024	1.277	0.710	0.735	0.512	0.329	0.418	0.518	0.448	0.918	1.143	0.991	1.222	0.201
																				21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
										0.708	0.689	0.512	0.314	0.114	0.432	0.062	0.082	0.089	0.971	0.923	0.889	0.971	0.923	0.889	0.971	0.923	0.889	0.971	0.923										
										41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60										
										0.776	0.862	0.963	1.068	0.444	0.033	0.040	0.012	0.071	0.508	0.081	0.156	0.100	0.113	0.072	0.160	0.484	0.497	0.504	0.149										
										61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80										
										0.342	0.298	0.117	0.189	0.260	0.466	0.375																							



Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																									
WCDMA-B4	RM-C 12.25kps	1312	1712.4	-	-	Back	5mm	0.939	1.400	1	12	23	34	45	56	67	78	89	100	111	122	133	144	155	166	177	188	199	210	221	232	21	131		
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	2	13	24	35	46	57	68	79	90	101	112	123	134	145	156	167	178	189	200	211	222	233	32	142		
WCDMA-B5	RM-C 12.25kps	4233	846.6	-	-	Back	5mm	0.991	1.25	0.350	0.330	0.710	0.530	0.150	0.290	0.280	0.370	0.330	0.430	0.790	0.600	0.200	0.240	0.170	0.260	0.610	0.580	0.420	0.190	0.530	0.240	0.560	0.596		
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																									
LTE-B7	QPSK	21160	2055	1	0	Front	5mm	0.923	1.13	0.080	0.072	0.070	0.069	0.064	0.090	0.091	0.062	0.068	0.066	0.042	0.048	0.065	0.067	0.056	0.055	0.051	0.048	0.056	0.054	0.031	0.039	0.477	0.503		
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																									
LTE-B12	QPSK	20605	707.5	1	0	Back	5mm	0.846	1.02	0.401	0.187	0.430	0.531	0.728	0.423	0.061	0.509	0.308	0.438	0.200	0.281	0.030	0.612	0.672	0.014	0.143	0.209	0.057	0.390	0.291	0.273	0.615	0.501		
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																									
LTE-B13	QPSK	29230	762	1	0	Back	5mm	0.544	0.668	0.478	0.232	0.476	0.777	0.752	0.755	0.095	0.027	0.344	0.796	0.025	0.077	0.057	0.685	0.617	0.026	0.160	0.227	0.113	0.001	0.304	0.286	0.460	0.388		
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																									
LTE-B26	QPSK	8666	831.5	1	0	Back	5mm	0.955	1.21	0.101	0.068	0.141	0.238	0.272	0.411	0.307	0.568	0.280	0.252	0.451	0.889	0.725	0.347	0.182	0.489	0.166	0.148	0.197	0.347	0.079	0.108	0.456	0.356		
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																									
LTE-B66	QPSK	130072	1720	1	0	Back	5mm	0.991	1.23	0.584	0.710	0.638	0.047	0.287	0.364	0.353	0.370	0.307	0.095	0.256	0.530	0.661	0.424	0.178	0.561	0.201	0.138	0.215	0.352	0.083	0.117	0.487	0.462		
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																									
FRI-16	QPSK	167300	896.5	1	1	Back	5mm	0.828	1.03	0.315	0.189	0.344	0.121	0.812	0.529	0.221	0.220	0.543	0.051	0.341	0.126	0.223	0.746	0.046	0.033	0.212	0.688	0.229	0.045	0.006	0.479	0.493	0.390		
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																									
FRI-17	QPSK	507005	2035	1	1	Front	5mm	0.911	1.12	0.381	0.372	0.364	0.415	0.305	0.329	0.325	0.343	0.338	0.234	0.267	0.352	0.363	0.362	0.556	0.279	0.48	0.360	0.270	0.223	0.423	0.510	0.305	0.271		
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																									
FRI-486	QPSK	346000	1745	1	1	Back	5mm	0.911	1.11	0.783	0.886	0.897	0.53	0.53	0.55	0.66	0.77	0.88	0.99	110	121	132	132	143	154	165	176	187	198	209	220	231	11	120	230





Body (Antenna #1, Slave ID=6)																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
WCDMA B2	RMC 12.2Kbps	9538	1907.6	-	-	Back	5mm	0.971	Auto-Tune	1	5	16	31	46	61	76	91	106	121	136	151	166	181	196
									1.5	0.250	0.720	0.710	0.670	0.580	0.580	0.900	0.900	0.940	0.770	0.840	0.760	0.680	0.721	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
WCDMA B4	RMC 12.2Kbps	1312	1712.4	-	-	Back	5mm	0.853	Auto-Tune	2	17	32	47	62	77	92	107	122	137	152	167	182	197	
									1.11	0.220	0.510	0.660	0.580	0.410	0.640	0.550	0.690	0.910	0.560	0.820	0.650	0.590	0.530	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
WCDMA B5	RMC 12.2Kbps	4182	836.4	-	-	Back	5mm	0.926	Auto-Tune	3	18	33	48	63	78	93	108	123	138	153	168	183	198	
									1.18	0.280	0.530	0.580	0.660	0.410	0.530	0.590	0.870	0.810	0.740	0.660	0.760	0.600	0.700	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B7	QPSK	2689	2510	1	0	Back	5mm	0.98	Auto-Tune	4	19	34	49	64	79	94	109	124	139	154	169	184	199	
									1.53	0.230	0.790	0.680	0.680	0.530	0.800	0.580	0.900	0.930	0.750	0.970	0.810	0.630	0.720	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B12	QPSK	2595	707.5	1	0	Back	5mm	0.995	Auto-Tune	5	20	35	50	65	80	95	110	125	140	155	170	185	200	
									1.24	0.320	0.700	0.790	0.610	0.630	0.720	0.680	0.810	0.950	0.820	0.940	0.740	0.750	0.770	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B13	QPSK	2520	782	1	0	Back	5mm	0.716	Auto-Tune	6	21	36	51	66	81	96	111	126	141	156	171	186	201	
									0.834	0.170	0.430	0.510	0.460	0.430	0.540	0.360	0.580	0.690	0.460	0.650	0.380	0.530	0.410	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B25	QPSK	2690	1885	1	0	Back	5mm	0.901	Auto-Tune	7	22	37	52	67	82	97	112	127	142	157	172	187	202	
									1.33	0.220	0.450	0.580	0.540	0.270	0.560	0.530	0.820	0.880	0.780	0.680	0.770	0.530	0.580	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B26	QPSK	26865	831.5	1	0	Back	5mm	0.703	Auto-Tune	8	23	38	53	68	83	98	113	128	143	158	173	188	203	
									0.798	0.030	0.310	0.410	0.480	0.340	0.470	0.450	0.660	0.690	0.440	0.670	0.310	0.620	0.470	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B41 (HPLF)	QPSK	36750	2506	1	0	Back	5mm	0.942	Auto-Tune	9	24	39	54	69	84	99	114	129	144	159	174	189	204	
									1.51	0.280	0.680	0.830	0.600	0.610	0.620	0.670	0.700	0.830	0.820	0.870	0.800	0.600	0.780	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B86	QPSK	132072	1720	1	0	Back	5mm	0.96	Auto-Tune	10	25	40	55	70	85	100	115	130	145	160	175	190	205	
									1.66	0.290	0.550	0.680	0.640	0.600	0.650	0.630	0.730	0.870	0.750	0.850	0.750	0.640	0.770	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
FR1 v2	QPSK	372000	1880	1	1	Back	5mm	0.991	Auto-Tune	11	26	41	56	71	86	101	116	131	146	161	176	191	206	
									1.17	0.330	0.660	0.820	0.720	0.650	0.780	0.740	0.850	0.970	0.760	0.930	0.780	0.770	0.870	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
FR1 v5	QPSK	167300	836.5	1	1	Back	5mm	0.722	Auto-Tune	12	27	42	57	72	87	102	117	132	147	162	177	192		
									0.854	0.210	0.450	0.610	0.450	0.400	0.630	0.440	0.600	0.720	0.720	0.510	0.480	0.520		
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
FR1 v7	QPSK	697000	2520	1	1	Back	5mm	0.923	Auto-Tune	13	28	43	58	73	88	103	118	133	148	163	178	193		
									1.2	0.310	0.640	0.780	0.520	0.500	0.560	0.570	0.780	0.820	0.890	0.570	0.800	0.590		
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
FR1 v41 (HPLF)	QPSK	518508	2602.99	1	1	Back	5mm	0.989	Auto-Tune	14	29	44	59	74	89	104	119	134	149	164	179	194		
									1.28	0.240	0.670	0.820	0.630	0.610	0.750	0.740	0.750	0.920	0.800	0.960	0.730	0.660		
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
FR1 v66	QPSK	349000	1745	1	1	Back	5mm	0.959	Auto-Tune	15	30	45	60	75	90	105	120	135	150	165	180	195		
									1.22	0.240	0.710	0.690	0.480	0.600	0.790	0.570	0.820	0.860	0.960	0.770	0.760	0.810		

