



Part270 n78 ANT7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. @50000)	Power Middle Ch. 1 (Freq. @50000)	Power High Ch. 1 (Freq. @50000)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	23.79	23.79	23.79			
100	PI2-BPSK	1	137	23.88	23.88	23.88	24.0	0.0	
100	PI2-BPSK	1	271	23.97	23.97	23.97			
100	PI2-BPSK	135	0	23.28	23.28	23.28		0.5	
100	PI2-BPSK	135	136	23.37	23.37	23.37		0.5	
100	PI2-BPSK	135	138	23.46	23.46	23.46		0.5	
100	PI2-BPSK	270	0	23.22	23.22	23.22		0.5	
100	QPSK	1	1	23.88	23.88	23.88			
100	QPSK	1	137	23.72	23.72	23.72			
100	QPSK	1	271	23.56	23.56	23.56			
100	QPSK	135	0	22.87	22.87	22.87	23.0	1.0	
100	QPSK	135	136	22.96	22.96	22.96		1.0	
100	QPSK	135	138	23.05	23.05	23.05		1.0	
100	QPSK	270	0	22.75	22.75	22.75		1.0	
100	HQAM	1	1	22.06	22.06	22.06	23.0	1.0	
100	HQAM	1	1	21.34	21.34	21.34	23.5	2.5	
100	HQAM	1	1	18.28	18.28	18.28	4.5		
Channel									
50	QPSK	1	1	23.71	23.78	23.73	24.0	0.0	
Channel									
80	QPSK	1	1	23.78	23.75	23.72	24.0	0.0	
Channel									
70	QPSK	1	1	23.72	23.74	23.82	24.0	0.0	
Channel									
60	QPSK	1	1	23.77	23.78	23.82	24.0	0.0	
Channel									
50	QPSK	1	1	23.81	23.74	23.77	24.0	0.0	
Channel									
40	QPSK	1	1	23.85	23.80	23.81	24.0	0.0	
Channel									
30	QPSK	1	1	23.92	23.78	23.83	24.0	0.0	
Channel									
20	QPSK	1	1	23.77	23.74	23.79	24.0	0.0	
Channel									
15	QPSK	1	1	23.75	23.86	23.77	24.0	0.0	
Channel									
10	QPSK	1	1	23.72	23.89	23.78	24.0	0.0	

Part270 n78 HPUE ANT7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. @50000)	Power Middle Ch. 1 (Freq. @50000)	Power High Ch. 1 (Freq. @50000)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	25.70	25.70	25.70			
100	PI2-BPSK	1	137	25.86	25.86	25.86	26.0	0.0	
100	PI2-BPSK	1	271	25.93	25.93	25.93			
100	PI2-BPSK	135	0	25.08	25.08	25.08		0.5	
100	PI2-BPSK	135	136	25.15	25.15	25.15		0.5	
100	PI2-BPSK	135	138	25.22	25.22	25.22		0.5	
100	QPSK	1	1	25.92	25.92	25.92			
100	QPSK	1	137	25.84	25.84	25.84			
100	QPSK	1	271	25.76	25.76	25.76			
100	QPSK	135	0	25.07	25.07	25.07	25.0	1.0	
100	QPSK	135	136	25.14	25.14	25.14		1.0	
100	QPSK	135	138	25.21	25.21	25.21		1.0	
100	QPSK	270	0	25.12	25.12	25.12		1.0	
100	HQAM	1	1	25.12	25.12	25.12	24.0	2.5	
100	HQAM	1	1	23.72	23.72	23.72	24.0	2.5	
100	HQAM	1	1	21.96	21.96	21.96	4.5		
Channel									
50	QPSK	1	1	25.65	25.69	25.66	25.0	0.0	
Channel									
80	QPSK	1	1	25.69	25.81	25.69	25.0	0.0	
Channel									
70	QPSK	1	1	25.67	25.64	25.63	25.0	0.0	
Channel									
60	QPSK	1	1	25.72	25.66	25.70	25.0	0.0	
Channel									
50	QPSK	1	1	25.78	25.66	25.64	25.0	0.0	
Channel									
40	QPSK	1	1	25.85	25.60	25.64	25.0	0.0	
Channel									
30	QPSK	1	1	25.87	25.52	25.63	25.0	0.0	
Channel									
20	QPSK	1	1	25.92	25.46	25.54	25.0	0.0	
Channel									
15	QPSK	1	1	25.98	25.48	25.64	25.0	0.0	
Channel									
10	QPSK	1	1	25.94	25.81	25.60	25.0	0.0	

Part270 Q78 ANT7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. @50000)	Power Middle Ch. 1 (Freq. @50000)	Power High Ch. 1 (Freq. @50000)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	23.73	23.73	23.73			
100	PI2-BPSK	1	137	23.86	23.86	23.86	24.0	0.0	
100	PI2-BPSK	1	271	23.93	23.93	23.93			
100	PI2-BPSK	135	0	23.27	23.27	23.27		0.5	
100	PI2-BPSK	135	136	23.36	23.36	23.36		0.5	
100	PI2-BPSK	135	138	23.45	23.45	23.45		0.5	
100	QPSK	1	1	23.82	23.82	23.82			
100	QPSK	1	137	23.73	23.73	23.73			
100	QPSK	1	271	23.62	23.62	23.62			
100	QPSK	135	0	22.86	22.86	22.86	23.0	1.0	
100	QPSK	135	136	22.95	22.95	22.95		1.0	
100	QPSK	135	138	23.04	23.04	23.04		1.0	
100	QPSK	270	0	22.72	22.72	22.72		1.0	
100	HQAM	1	1	22.72	22.72	22.72	23.0	1.0	
100	HQAM	1	1	21.14	21.14	21.14	23.5	2.5	
100	HQAM	1	1	18.96	18.96	18.96	4.5		
Channel									
50	QPSK	1	1	23.65	23.75	23.77	24.0	0.0	
Channel									
80	QPSK	1	1	23.69	23.79	23.72	24.0	0.0	
Channel									
70	QPSK	1	1	23.76	23.79	23.79	24.0	0.0	
Channel									
60	QPSK	1	1	23.77	23.77	23.78	24.0	0.0	
Channel									
50	QPSK	1	1	23.72	23.72	23.79	24.0	0.0	
Channel									
40	QPSK	1	1	23.80	23.74	23.74	24.0	0.0	
Channel									
30	QPSK	1	1	23.88	23.73	23.79	24.0	0.0	
Channel									
20	QPSK	1	1	23.79	23.71	23.81	24.0	0.0	
Channel									
15	QPSK	1	1	23.76	23.79	23.79	24.0	0.0	
Channel									
10	QPSK	1	1	23.79	23.72	23.74	24.0	0.0	

Part270 Q78 HPUE ANT7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. @50000)	Power Middle Ch. 1 (Freq. @50000)	Power High Ch. 1 (Freq. @50000)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	25.72	25.72	25.72			
100	PI2-BPSK	1	137	25.86	25.86	25.86	26.0	0.0	
100	PI2-BPSK	1	271	25.95	25.95	25.95			
100	PI2-BPSK	135	0	25.12	25.12	25.12		0.5	
100	PI2-BPSK	135	136	25.21	25.21	25.21		0.5	
100	PI2-BPSK	135	138	25.30	25.30	25.30		0.5	
100	QPSK	1	1	25.97	25.97	25.97			
100	QPSK	1	137	25.86	25.86	25.86			
100	QPSK	1	271	25.82	25.82	25.82			
100	QPSK	135	0	25.05	25.05	25.05	25.0	1.0	
100	QPSK	135	136	25.14	25.14	25.14		1.0	
100	QPSK	135	138	25.23	25.23	25.23		1.0	
100	QPSK	270	0	25.12	25.12	25.12		1.0	
100	HQAM	1	1	25.12	25.12	25.12	24.0	2.5	
100	HQAM	1	1	23.66	23.66	23.66	24.0	2.5	
100	HQAM	1	1	21.99	21.99	21.99	4.5		
Channel									
50	QPSK	1	1	25.65	25.69	25.66	25.0	0.0	
Channel									
80	QPSK	1	1	25.69	25.81	25.69	25.0	0.0	
Channel									
70	QPSK	1	1	25.67	25.64	25.63	25.0	0.0	
Channel									
60	QPSK	1	1	25.72	25.66	25.70	25.0	0.0	
Channel									
50	QPSK	1	1	25.78	25.66	25.64	25.0	0.0	
Channel									
40	QPSK	1	1	25.85	25.60	25.64	25.0	0.0	
Channel									
30	QPSK	1	1	25.87	25.52	25.63	25.0	0.0	
Channel									
20	QPSK	1	1	25.92	25.46	25.54	25.0	0.0	
Channel									
15	QPSK	1	1	25.98	25.48	25.64	25.0	0.0	
Channel									
10	QPSK	1	1	25.94	25.81	25.60	25.0	0.0	



Par270 n77 ANT5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	22.31	22.47	22.63			
100	PI2-BPSK	1	137	22.47	22.53	22.59	24.0	0.0	
100	PI2-BPSK	1	273	22.59	22.65	22.71			
100	PI2-BPSK	135	0	22.59	22.70	22.81	23.5	0.5	
100	PI2-BPSK	135	136	22.54	22.52	21.79	23.5	0.5	
100	PI2-BPSK	270	0	22.59	22.61	21.98			
100	QPSK	1	1	22.45	22.55	22.53	24.0	0.0	
100	QPSK	1	137	22.45	22.58	22.38			
100	QPSK	1	273	22.35	22.58	22.44			
100	QPSK	135	0	21.41	21.56	21.38	23.0	1.0	
100	QPSK	135	136	21.35	21.44	21.38	23.0	1.0	
100	QPSK	270	0	21.41	21.47	21.39			
100	HQAM	1	1	21.68	21.62	21.62	23.0	1.0	
100	HQAM	1	1	20.21	20.21	20.18	21.5	2.5	
100	HQAM	1	1	17.65	18.05	17.60	19.5	4.5	
Channel									
50	QPSK	1	1	22.35	22.54	22.45	24.5	0.0	
Channel									
80	QPSK	1	1	22.33	22.44	22.38	24.0	0.0	
Channel									
70	QPSK	1	1	22.35	22.45	22.48	24.0	0.0	
Channel									
60	QPSK	1	1	22.33	22.41	22.48	24.0	0.0	
Channel									
50	QPSK	1	1	22.24	22.51	22.44	24.0	0.0	
Channel									
40	QPSK	1	1	22.23	22.38	22.44	24.0	0.0	
Channel									
30	QPSK	1	1	22.34	22.53	22.39	24.0	0.0	
Channel									
20	QPSK	1	1	22.31	22.56	22.43	24.0	0.0	
Channel									
15	QPSK	1	1	22.28	22.55	22.44	24.0	0.0	
Channel									
10	QPSK	1	1	22.35	22.59	22.42	24.0	0.0	

Par270 n77 HPUE ANT5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	25.35	25.41	25.24			
100	PI2-BPSK	1	137	25.33	25.48	25.42	27.0	0.0	
100	PI2-BPSK	1	271	25.25	25.43	25.35			
100	PI2-BPSK	135	0	25.25	25.41	25.28	27.0	0.0	
100	PI2-BPSK	135	136	25.24	25.44	25.45	27.0	0.0	
100	PI2-BPSK	270	0	25.27	25.43	25.27			
100	QPSK	1	1	25.27	25.35	25.44			
100	QPSK	1	137	25.29	25.45	25.41	27.0	0.0	
100	QPSK	1	271	25.29	25.38	25.27			
100	QPSK	135	0	24.29	25.33	24.91	26.0	1.0	
100	QPSK	135	136	24.24	24.36	24.28	27.0	0.0	
100	QPSK	270	0	24.26	25.00	24.90			
100	HQAM	1	1	25.09	25.26	25.24	26.5	0.5	
100	HQAM	1	1	23.67	23.71	23.68	25.0	2.0	
100	HQAM	1	1	21.33	21.76	21.60	23.0	4.0	
Channel									
50	QPSK	1	1	25.34	25.37	25.35	27.0	0.0	
Channel									
80	QPSK	1	1	25.23	25.42	25.30	27.0	0.0	
Channel									
70	QPSK	1	1	25.23	25.41	25.41	27.0	0.0	
Channel									
60	QPSK	1	1	25.23	25.37	25.31	27.0	0.0	
Channel									
50	QPSK	1	1	25.23	25.35	25.41	27.0	0.0	
Channel									
40	QPSK	1	1	25.25	25.48	25.31	27.0	0.0	
Channel									
30	QPSK	1	1	25.24	25.46	25.34	27.0	0.0	
Channel									
20	QPSK	1	1	25.25	25.33	25.43	27.0	0.0	
Channel									
15	QPSK	1	1	25.29	25.47	25.29	27.0	0.0	
Channel									
10	QPSK	1	1	25.30	25.38	25.34	27.0	0.0	

Part270Q n77 ANT5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	22.85					
100	PI2-BPSK	1	137	22.79			24.0	0.0	
100	PI2-BPSK	1	271	22.98					
100	PI2-BPSK	135	0	22.22			23.5	0.5	
100	PI2-BPSK	135	136	22.22			23.5	0.5	
100	PI2-BPSK	270	0	22.27					
100	QPSK	1	1	22.92			24.0	0.0	
100	QPSK	1	137	22.87					
100	QPSK	1	271	22.42					
100	QPSK	135	0	21.72			23.0	1.0	
100	QPSK	135	136	21.64			23.4	0.8	
100	QPSK	270	0	21.62			23.0	1.0	
100	QPSK	270	0	21.87					
100	HQAM	1	1	21.86			23.0	1.0	
100	HQAM	1	1	20.43			21.5	2.5	
100	HQAM	1	1	18.50			19.5	4.5	
Channel									
50	QPSK	1	1	22.85	23.08	23.08	24.0	0.0	
Channel									
80	QPSK	1	1	22.58	22.81	22.58	24.0	0.0	
Channel									
70	QPSK	1	1	22.63	22.83	22.83	24.0	0.0	
Channel									
60	QPSK	1	1	22.60	22.84	22.72	24.0	0.0	
Channel									
50	QPSK	1	1	22.60	22.82	22.82	24.0	0.0	
Channel									
40	QPSK	1	1	22.57	22.86	22.80	24.0	0.0	
Channel									
30	QPSK	1	1	22.61	22.86	22.81	24.0	0.0	
Channel									
20	QPSK	1	1	22.54	22.89	22.80	24.0	0.0	
Channel									
15	QPSK	1	1	22.81	22.87	22.83	24.0	0.0	
Channel									
10	QPSK	1	1	22.84	22.81	22.87	24.0	0.0	

Part270Q n77 HPUE ANT5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	25.56					
100	PI2-BPSK	1	137	25.87			27.0	0.0	
100	PI2-BPSK	1	271	25.75					
100	PI2-BPSK	135	0	25.02			27.0	0.0	
100	PI2-BPSK	135	136	25.02			27.0	0.0	
100	PI2-BPSK	270	0	25.27					
100	QPSK	1	1	25.74			27.0	0.0	
100	QPSK	1	137	25.59					
100	QPSK	1	271	25.23					
100	QPSK	135	0	25.25			28.0	1.0	
100	QPSK	135	136	25.14			28.0	1.0	
100	QPSK	270	0	25.18			28.0	1.0	
100	HQAM	1	1	25.22			26.5	0.5	
100	HQAM	1	1	23.91			25.0	2.0	
100	HQAM	1	1	21.67			23.0	4.0	
Channel									
50	QPSK	1	1	25.51	25.88	25.88	27.0	0.0	
Channel									
80	QPSK	1	1	25.51	25.88	25.88	27.0	0.0	
Channel									
70	QPSK	1	1	25.50	25.89	25.89	27.0	0.0	
Channel									
60	QPSK	1	1	25.51	25.86	25.86	27.0	0.0	
Channel									
50	QPSK	1	1	25.51	25.86	25.87	27.0	0.0	
Channel									
40	QPSK	1	1	25.46	25.83	25.83	27.0	0.0	
Channel									
30	QPSK	1	1	25.52	25.87	25.81	27.0	0.0	
Channel									
20	QPSK	1	1	25.54	25.89	25.82	27.0	0.0	
Channel									
15	QPSK	1	1	25.87	25.88	25.84	27.0	0.0	
Channel									
10	QPSK	1	1	25.51	25.58	25.50	27.0	0.0	



Part270 n78 ANT5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Power Low Ch. 2 (Freq.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 2 (Freq.)	Turn-up time (dBm)	MPR (dB)
Channel											
100	PI2 BPSK	1	1	22.80	22.80	22.80					
100	PI2 BPSK	1	137	22.89	22.89	22.89				24.0	0.0
100	PI2 BPSK	1	274	22.97	22.97	22.97				23.5	0.5
100	PI2 BPSK	135	0	22.97	22.97	22.97				27.0	0.0
100	PI2 BPSK	135	138	22.97	22.97	22.97				27.0	0.0
100	PI2 BPSK	135	138	22.97	22.97	22.97				23.5	0.5
100	PI2 BPSK	270	0	22.97	22.97	22.97				27.0	0.0
100	QPSK	1	1	22.98	22.98	22.98					
100	QPSK	1	137	22.81	22.81	22.81				24.0	0.0
100	QPSK	1	274	22.98	22.98	22.98				23.5	0.5
100	QPSK	135	0	22.78	22.78	22.78				23.0	1.0
100	QPSK	135	138	22.78	22.78	22.78				23.0	1.0
100	QPSK	135	138	22.78	22.78	22.78				23.0	1.0
100	QPSK	270	0	22.78	22.78	22.78				23.0	1.0
100	HQAM	1	1	22.06	22.06	22.06				23.0	1.0
100	HQAM	1	1	20.45	20.45	20.45				21.5	2.5
100	HQAM	1	1	18.35	18.35	18.35				19.5	4.5
Channel											
49988	85000	85000	85034	85034	85034	85034				Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	22.77	22.74	22.83	24.5	24.5	24.5	24.5	0.0
Channel											
49934	85000	85000	85088	85088	85088	85088				Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	22.77	22.74	22.83	24.5	24.5	24.5	24.5	0.0
Channel											
49934	85000	85000	85088	85088	85088	85088				Turn-up time (dBm)	MPR (dB)
80	QPSK	1	1	22.87	22.82	22.72	24.0	24.0	24.0	24.0	0.0
Channel											
49988	85000	85000	85188	85188	85188	85188				Turn-up time (dBm)	MPR (dB)
70	QPSK	1	1	22.65	22.78	22.85	24.0	24.0	24.0	24.0	0.0
Channel											
49934	85000	85000	85234	85234	85234	85234				Turn-up time (dBm)	MPR (dB)
60	QPSK	1	1	22.44	22.71	22.64	24.0	24.0	24.0	24.0	0.0
Channel											
49934	85000	85000	85188	85188	85188	85188				Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	22.55	22.80	22.85	24.0	24.0	24.0	24.0	0.0
Channel											
49800	85000	85000	85200	85200	85200	85200				Turn-up time (dBm)	MPR (dB)
40	QPSK	1	1	22.55	22.82	22.72	24.0	24.0	24.0	24.0	0.0
Channel											
49934	85000	85000	85188	85188	85188	85188				Turn-up time (dBm)	MPR (dB)
30	QPSK	1	1	22.65	22.75	22.83	24.0	24.0	24.0	24.0	0.0
Channel											
49934	85000	85000	85188	85188	85188	85188				Turn-up time (dBm)	MPR (dB)
20	QPSK	1	1	22.44	22.50	22.43	24.0	24.0	24.0	24.0	0.0
Channel											
49738	85000	85000	85034	85034	85034	85034				Turn-up time (dBm)	MPR (dB)
10	QPSK	1	1	22.65	22.76	22.88	24.0	24.0	24.0	24.0	0.0
Channel											
49700	85000	85000	85000	85000	85000	85000				Turn-up time (dBm)	MPR (dB)
10	QPSK	1	1	22.61	22.73	22.85	24.0	24.0	24.0	24.0	0.0

Part270 n78 HPUE ANT5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Power Low Ch. 2 (Freq.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 2 (Freq.)	Turn-up time (dBm)	MPR (dB)
Channel											
100	PI2 BPSK	1	1	25.87	25.87	25.87					
100	PI2 BPSK	1	137	25.84	25.84	25.84				27.0	0.0
100	PI2 BPSK	1	274	25.86	25.86	25.86				27.0	0.0
100	PI2 BPSK	135	0	25.84	25.84	25.84				27.0	0.0
100	PI2 BPSK	135	138	25.86	25.86	25.86				27.0	0.0
100	PI2 BPSK	135	138	25.86	25.86	25.86				27.0	0.0
100	PI2 BPSK	270	0	25.86	25.86	25.86				27.0	0.0
100	QPSK	1	1	25.86	25.86	25.86					
100	QPSK	1	137	25.79	25.79	25.79				27.0	0.0
100	QPSK	1	274	25.86	25.86	25.86				27.0	0.0
100	QPSK	135	0	25.22	25.22	25.22				26.0	1.0
100	QPSK	135	138	25.22	25.22	25.22				26.0	1.0
100	QPSK	135	138	25.22	25.22	25.22				26.0	1.0
100	QPSK	270	0	25.22	25.22	25.22				26.0	1.0
100	HQAM	1	1	25.81	25.81	25.81				26.5	0.5
100	HQAM	1	1	23.87	23.87	23.87				25.0	2.0
100	HQAM	1	1	21.75	21.75	21.75				23.0	4.0
Channel											
49988	85000	85000	85034	85034	85034	85034				Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	25.25	25.83	25.65	27.0	27.0	27.0	27.0	0.0
Channel											
49934	85000	85000	85088	85088	85088	85088				Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	25.25	25.83	25.65	27.0	27.0	27.0	27.0	0.0
Channel											
49934	85000	85000	85088	85088	85088	85088				Turn-up time (dBm)	MPR (dB)
80	QPSK	1	1	25.67	25.88	25.50	27.0	27.0	27.0	27.0	0.0
Channel											
49988	85000	85000	85188	85188	85188	85188				Turn-up time (dBm)	MPR (dB)
70	QPSK	1	1	25.45	25.72	25.62	27.0	27.0	27.0	27.0	0.0
Channel											
49934	85000	85000	85234	85234	85234	85234				Turn-up time (dBm)	MPR (dB)
60	QPSK	1	1	25.44	25.71	25.54	27.0	27.0	27.0	27.0	0.0
Channel											
49934	85000	85000	85188	85188	85188	85188				Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	25.45	25.84	25.63	27.0	27.0	27.0	27.0	0.0
Channel											
49800	85000	85000	85200	85200	85200	85200				Turn-up time (dBm)	MPR (dB)
40	QPSK	1	1	25.45	25.72	25.64	27.0	27.0	27.0	27.0	0.0
Channel											
49934	85000	85000	85188	85188	85188	85188				Turn-up time (dBm)	MPR (dB)
30	QPSK	1	1	25.44	25.68	25.64	27.0	27.0	27.0	27.0	0.0
Channel											
49934	85000	85000	85188	85188	85188	85188				Turn-up time (dBm)	MPR (dB)
20	QPSK	1	1	25.44	25.71	25.52	27.0	27.0	27.0	27.0	0.0
Channel											
49738	85000	85000	85034	85034	85034	85034				Turn-up time (dBm)	MPR (dB)
10	QPSK	1	1	25.49	25.63	25.58	27.0	27.0	27.0	27.0	0.0
Channel											
49700	85000	85000	85000	85000	85000	85000				Turn-up time (dBm)	MPR (dB)
10	QPSK	1	1	25.67	25.86	25.50	27.0	27.0	27.0	27.0	0.0

Part270 Q78 ANT5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Power Low Ch. 2 (Freq.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 2 (Freq.)	Turn-up time (dBm)	MPR (dB)
Channel											
100	PI2 BPSK	1	1	23.02	23.02	23.02					
100	PI2 BPSK	1	137	22.87	22.87	22.87				24.0	0.0
100	PI2 BPSK	1	274	22.78	22.78	22.78				23.5	0.5
100	PI2 BPSK	135	0	22.85	22.85	22.85				27.0	0.0
100	PI2 BPSK	135	138	22.85	22.85	22.85				27.0	0.0
100	PI2 BPSK	135	138	22.85	22.85	22.85				23.5	0.5
100	PI2 BPSK	270	0	22.85	22.85	22.85				27.0	0.0
100	QPSK	1	1	22.85	22.85	22.85					
100	QPSK	1	137	22.86	22.86	22.86				24.0	0.0
100	QPSK	1	274	22.78	22.78	22.78				23.5	0.5
100	QPSK	135	0	22.81	22.81	22.81				23.0	1.0
100	QPSK	135	138	22.81	22.81	22.81				23.0	1.0
100	QPSK	135	138	22.81	22.81	22.81				23.0	1.0
100	QPSK	270	0	22.81	22.81	22.81				23.0	1.0
100	HQAM	1	1	22.81	22.81	22.81				23.0	1.0
100	HQAM	1	1	20.48	20.48	20.48				21.5	2.5
100	HQAM	1	1	18.54	18.54	18.54				19.5	4.5
Channel											
83000	83334	83334	83368	83368	83368	83368				Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	22.56	22.84	22.50	24.0	24.0	24.0	24.0	0.0
Channel											
83000	83334	83334	83400	83400	83400	83400				Turn-up time (dBm)	MPR (dB)
50	QPSK										



n41 PC3 Ant0 DS12 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)				2543.01	2592.99	2644.98		
100	PI/2 BPSK	1	1	23.44	23.49	23.37		
100	PI/2 BPSK	1	137	23.44	23.52	23.40	24.0	0.0
100	PI/2 BPSK	1	271	23.43	23.54	23.50		
100	PI/2 BPSK	135	0	22.92	23.02	22.92	23.5	0.5
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		
100	QPSK	1	137	23.39	23.46	23.42	24.0	0.0
100	QPSK	1	271	23.40	23.52	23.40		
100	QPSK	135	0	22.56	22.64	22.50	23.0	1.0
100	QPSK	135	69	23.42	23.55	23.46	24.0	0.0
100	QPSK	135	138	22.40	22.52	22.37		
100	QPSK	270	0	22.48	22.50	22.56	23.0	1.0
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		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.16	23.48	23.33	24.0	0.0
Channel				507204	518598	528998		
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	1	23.12	23.52	23.31	24.0	0.0
Channel				506202	518598	531000		
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		
Frequency (MHz)				2526	2592.99	2639.98		
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		
50	QPSK	1	1	23.15	23.52	23.32	24.0	0.0
Channel				503202	518598	534000		
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		
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		
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 DS12 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)				2543.01	2592.99	2644.98		
100	PI/2 BPSK	1	1	26.43	26.60	26.51		
100	PI/2 BPSK	1	137	26.48	26.53	26.46	27.0	0.0
100	PI/2 BPSK	1	271	26.46	26.59	26.53		
100	PI/2 BPSK	135	0	26.56	26.61	26.49	27.0	0.0
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		
100	QPSK	1	137	26.42	26.56	26.49	27.0	0.0
100	QPSK	1	271	26.49	26.56	26.43		
100	QPSK	135	0	26.10	26.14	26.07	26.5	0.5
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		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.16	26.48	26.36	27.0	0.0
Channel				507204	518598	528998		
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	1	26.11	26.50	26.38	27.0	0.0
Channel				506202	518598	531000		
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		
Frequency (MHz)				2526	2592.99	2639.98		
60	QPSK	1	1	26.15	26.57	26.39	27.0	0.0
Channel				504204	518598	532998		
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		
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		
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		
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 Freq.	Power Middle Ch.2 Freq.	Power High Ch.3 Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
20	PI2-BPSK	1	1	14.35	14.33	14.35			
20	PI2-BPSK	1	53	14.37	14.33	14.37	15.0	0.0	
20	PI2-BPSK	1	105	14.31	14.44	14.35			
20	PI2-BPSK	50	0	14.35	14.34	14.39	15.0	0.0	
20	PI2-BPSK	50	56	14.35	14.37	14.35			
20	PI2-BPSK	100	0	14.35	14.40	14.31	15.0	0.0	
20	QPSK	1	1	14.35	14.35	14.40			
20	QPSK	1	53	14.40	14.34	14.41	15.0	0.0	
20	QPSK	50	0	14.37	14.39	14.42	15.0	0.0	
20	QPSK	50	56	14.36	14.38	14.44	15.0	0.0	
20	QPSK	100	0	14.40	14.38	14.35	15.0	0.0	
20	MSKAM	1	1	14.42	14.36	14.31	15.0	0.0	
20	MSKAM	1	1	14.38	14.42	14.37	15.0	0.0	
20	MSKAM	1	1	14.35	14.35	14.35	15.0	0.0	
Channel									
15	QPSK	1	1	14.35	14.48	14.35	15.0	0.0	
Channel									
10	QPSK	1	1	14.40	14.49	14.36	15.0	0.0	
Channel									
5	QPSK	1	1	14.35	14.47	14.44	15.0	0.0	

n5 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Middle Ch.2 Freq.	Power High Ch.3 Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
20	PI2-BPSK	1	1	21.54	21.51	21.51			
20	PI2-BPSK	1	53	21.56	21.51	21.54	22.3	0.0	
20	PI2-BPSK	1	104	21.54	21.56	21.55			
20	PI2-BPSK	50	0	21.57	21.54	21.54	22.3	0.0	
20	PI2-BPSK	50	56	21.55	21.56	21.55			
20	PI2-BPSK	100	0	21.55	21.58	21.51	22.3	0.0	
20	QPSK	1	1	21.55	21.55	21.55			
20	QPSK	1	53	21.51	21.59	21.55	22.3	0.0	
20	QPSK	1	104	21.51	21.51	21.51			
20	QPSK	50	0	21.52	21.51	21.50	22.3	0.0	
20	QPSK	50	56	21.55	21.54	21.55			
20	QPSK	100	0	21.55	21.58	21.52	22.3	0.0	
20	MSKAM	1	1	21.52	21.55	21.55	22.3	0.0	
20	MSKAM	1	1	21.52	21.51	21.48	22.3	0.0	
20	MSKAM	1	1	21.54	21.51	21.51	22.3	0.0	
Channel									
15	QPSK	1	1	21.54	21.52	21.51	22.3	0.0	
Channel									
10	QPSK	1	1	21.52	21.57	21.56	22.3	0.0	
Channel									
5	QPSK	1	1	21.57	21.58	21.57	22.3	0.0	

n7 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Middle Ch.2 Freq.	Power High Ch.3 Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
40	PI2-BPSK	0	1	14.35	14.35	14.44			
40	PI2-BPSK	1	108	14.27	14.33	14.67	16.2	0.0	
40	PI2-BPSK	1	214	14.33	14.61	14.59			
40	PI2-BPSK	168	0	14.33	14.36	14.32	16.2	0.0	
40	PI2-BPSK	168	168	14.35	14.36	14.35			
40	PI2-BPSK	336	0	14.35	14.39	14.35	16.2	0.0	
40	PI2-BPSK	336	168	14.35	14.41	14.41			
40	QPSK	1	1	14.35	14.35	14.35			
40	QPSK	1	108	14.46	14.42	14.27	16.2	0.0	
40	QPSK	1	214	14.35	14.72	14.61			
40	QPSK	168	0	14.32	14.34	14.49	16.2	0.0	
40	QPSK	168	168	14.35	14.36	14.35			
40	QPSK	336	0	14.35	14.37	14.35	16.2	0.0	
40	QPSK	336	168	14.35	14.37	14.41			
40	QPSK	336	336	14.35	14.37	14.35	16.2	0.0	
40	MSKAM	1	1	14.35	14.41	14.36	16.2	0.0	
40	MSKAM	1	1	14.35	14.38	14.35	16.2	0.0	
40	MSKAM	1	1	14.35	14.40	14.35	16.2	0.0	
Channel									
30	PI2-BPSK	0	1	14.40	14.34	14.34			
30	PI2-BPSK	1	1	14.40	14.34	14.34	16.2	0.0	
Channel									
20	PI2-BPSK	1	1	14.30	14.36	14.40	16.2	0.0	
Channel									
10	QPSK	1	1	14.35	14.35	14.35	16.2	0.0	
Channel									
5	QPSK	1	1	14.42	14.41	14.42	16.2	0.0	

n6 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Middle Ch.2 Freq.	Power High Ch.3 Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
40	PI2-BPSK	1	1	14.45	14.45	14.45			
40	PI2-BPSK	1	108	14.24	14.43	14.39	17.4	0.0	
40	PI2-BPSK	1	214	14.22	14.42	14.27			
40	PI2-BPSK	168	0	14.35	14.40	14.39	17.4	0.0	
40	PI2-BPSK	168	168	14.35	14.40	14.39			
40	PI2-BPSK	336	0	14.35	14.42	14.39	17.4	0.0	
40	PI2-BPSK	336	168	14.35	14.43	14.41			
40	QPSK	1	1	14.45	14.45	14.45			
40	QPSK	1	108	14.31	14.42	14.53	17.4	0.0	
40	QPSK	1	214	14.40	14.40	14.39			
40	QPSK	168	0	14.17	14.39	14.38	17.4	0.0	
40	QPSK	168	168	14.35	14.42	14.39			
40	QPSK	336	0	14.40	14.42	14.39	17.4	0.0	
40	QPSK	336	168	14.40	14.43	14.42			
40	QPSK	336	336	14.40	14.42	14.39	17.4	0.0	
40	MSKAM	1	1	14.34	14.39	14.38	17.4	0.0	
40	MSKAM	1	1	14.34	14.39	14.38	17.4	0.0	
40	MSKAM	1	1	14.34	14.39	14.38	17.4	0.0	
Channel									
30	PI2-BPSK	1	1	14.38	14.36	14.45			
30	PI2-BPSK	1	1	14.38	14.36	14.45	17.4	0.0	
Channel									
20	QPSK	1	1	14.17	14.38	14.33	17.4	0.0	
Channel									
15	QPSK	1	1	14.22	14.43	14.43	17.4	0.0	
Channel									
10	QPSK	1	1	14.23	14.43	14.43	17.4	0.0	
Channel									
5	QPSK	1	1	14.30	14.43	14.43	17.4	0.0	

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		
Frequency (MHz)				2516.01	2592.99	2644.98		
100	PI/2 BPSK	1	1	14.84	14.77	14.89		
100	PI/2 BPSK	1	137	14.57	14.74	14.67	15.9	0.0
100	PI/2 BPSK	1	271	14.55	14.68	14.64		
100	PI/2 BPSK	135	0	14.46	14.48	14.59	15.9	0.0
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	14.88	14.60	15.9	0.0
100	QPSK	135	69	14.55	14.84	14.74	15.9	0.0
100	QPSK	135	138	14.53	14.76	14.69		
100	QPSK	270	0	14.41	14.83	14.54	15.9	0.0
100	16QAM	1	1	14.43	14.76	14.60	15.9	0.0
100	64QAM	1	1	14.57	14.63	14.56	15.9	0.0
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	529596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	14.02	14.19	14.05	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	14.15	14.03	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				503200	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



Par270 n77 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								
Frequency (MHz)				650000	656000	662000		
100	PI/2 BPSK	1	1	19.05	19.06	18.94		
100	PI/2 BPSK	1	137	18.83	19.00	18.90	20.1	0.0
100	PI/2 BPSK	1	271	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								
Frequency (MHz)				649668	656000	662334	Tune-up limit (dbm)	MPR (dB)
90	QPSK	1	1	18.93	19.04	18.77	20.1	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dbm)	MPR (dB)
80	QPSK	1	1	18.88	19.05	18.83	20.1	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dbm)	MPR (dB)
70	QPSK	1	1	18.90	19.00	18.86	20.1	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dbm)	MPR (dB)
60	QPSK	1	1	18.97	19.03	18.85	20.1	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dbm)	MPR (dB)
50	QPSK	1	1	18.86	19.02	18.85	20.1	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dbm)	MPR (dB)
40	QPSK	1	1	18.96	19.05	18.77	20.1	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dbm)	MPR (dB)
30	QPSK	1	1	18.87	19.03	18.80	20.1	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dbm)	MPR (dB)
20	QPSK	1	1	18.96	19.04	18.70	20.1	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dbm)	MPR (dB)
15	QPSK	1	1	18.91	18.99	18.72	20.1	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dbm)	MPR (dB)
10	QPSK	1	1	18.97	19.15	18.88	20.1	0.0

Part27Q n77 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								
Frequency (MHz)				633000	633334	633668		
100	PI/2 BPSK	1	1	19.19				
100	PI/2 BPSK	1	137	18.86			20.1	0.0
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	19.21				
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	18.85				
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								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dbm)	MPR (dB)
90	QPSK	1	1	18.97	19.23	18.72	20.1	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dbm)	MPR (dB)
80	QPSK	1	1	19.16	19.21	18.90	20.1	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dbm)	MPR (dB)
70	QPSK	1	1	19.13	19.22	18.81	20.1	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dbm)	MPR (dB)
60	QPSK	1	1	18.99	19.15	18.79	20.1	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dbm)	MPR (dB)
50	QPSK	1	1	18.97	19.32	18.89	20.1	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dbm)	MPR (dB)
40	QPSK	1	1	18.97	19.28	18.83	20.1	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dbm)	MPR (dB)
30	QPSK	1	1	18.96	19.27	18.77	20.1	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dbm)	MPR (dB)
20	QPSK	1	1	19.10	19.18	18.78	20.1	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dbm)	MPR (dB)
15	QPSK	1	1	19.03	19.12	18.79	20.1	0.0
Channel								
Frequency (MHz)				630000	633334	636668	Tune-up limit (dbm)	MPR (dB)
10	QPSK	1	1	19.07	19.10	18.79	20.1	0.0



Part270 n78 PC3&PC2 Ant2 DSII 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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	3750	3750	3750		
100	PI/2 BPSK	1	137	19.01	18.89	19.09	20.1	0.0
100	PI/2 BPSK	1	271	18.76	18.96	19.21	20.1	0.0
100	PI/2 BPSK	135	0	18.76	18.96	19.21	20.1	0.0
100	PI/2 BPSK	135	69	18.97	19.04	19.07	20.1	0.0
100	PI/2 BPSK	135	138	18.96	18.86	18.86	20.1	0.0
100	PI/2 BPSK	270	0	18.97	18.86	18.86	20.1	0.0
100	QPSK	1	1	19.22	19.05	19.24		
100	QPSK	1	137	18.84	19.17	19.05	20.1	0.0
100	QPSK	1	271	19.14	19.09	19.17	20.1	0.0
100	QPSK	135	0	18.97	19.09	19.09	20.1	0.0
100	QPSK	135	69	19.08	19.10	19.10	20.1	0.0
100	QPSK	135	138	18.04	18.86	18.86	20.1	0.0
100	QPSK	270	0	18.09	18.01	18.01	20.1	0.0
100	16QAM	1	1	19.22	19.21	19.21	20.1	0.0
100	64QAM	1	1	19.08	19.15	19.15	20.1	0.0
100	256QAM	1	1	19.02	19.17	19.17	20.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	20.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.79	19.05	18.83	20.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3750	3765	20.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3740.01	3750	3760.02	20.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3750	3775.02	20.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720	3750	3780	20.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.76	19.05	18.78	20.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3750	3790.02	20.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	20.1	0.0

Part27Q 78 PC3&PC2 Ant2 DSII 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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	137	3495	3500.01	3505.02	20.1	0.0
100	PI/2 BPSK	1	271	18.65	18.76	18.70	20.1	0.0
100	PI/2 BPSK	135	0	18.65	18.76	18.70	20.1	0.0
100	PI/2 BPSK	135	69	18.86	18.86	18.86	20.1	0.0
100	PI/2 BPSK	135	138	18.86	18.86	18.86	20.1	0.0
100	PI/2 BPSK	270	0	18.86	18.86	18.86	20.1	0.0
100	QPSK	1	1	3495.02	3500.01	3510	20.1	0.0
100	QPSK	1	137	18.75	18.81	18.63	20.1	0.0
100	QPSK	1	271	18.75	18.81	18.63	20.1	0.0
100	QPSK	135	0	18.75	18.81	18.63	20.1	0.0
100	QPSK	135	69	18.75	18.81	18.63	20.1	0.0
100	QPSK	135	138	18.75	18.81	18.63	20.1	0.0
100	QPSK	270	0	18.75	18.81	18.63	20.1	0.0
100	16QAM	1	1	3495.02	3500.01	3515.01	20.1	0.0
100	64QAM	1	1	18.70	18.79	18.74	20.1	0.0
100	256QAM	1	1	18.70	18.79	18.74	20.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3485.01	3500.01	3515.01	20.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3485	3500.01	3520.02	20.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	20.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3470.01	3500.01	3530.01	20.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.67	18.72	18.73	20.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	20.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630500	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.45	3500.01	3542.52	20.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3455.01	3500.01	3545.01	20.1	0.0



Part27Q n78 PC3 Ant3 DS12 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Time-up limit (min)
Channel							
Frequency (MHz)							
100	PHO BPSK	1	1	23.02	23.02	24.0	0.0
100	PHO BPSK	1	137	23.02	23.02	24.0	0.0
100	PHO BPSK	1	273	23.02	23.02	23.5	0.5
100	PHO BPSK	105	0	23.02	23.02	24.0	0.0
100	PHO BPSK	105	80	23.02	23.02	24.0	0.0
100	PHO BPSK	210	0	23.02	23.02	23.5	0.5
100	QPSK	1	1	23.04	23.04	24.0	0.0
100	QPSK	1	137	23.04	23.04	24.0	0.0
100	QPSK	105	0	23.07	23.07	24.0	0.0
100	QPSK	105	80	23.07	23.07	24.0	0.0
100	QPSK	210	0	23.11	23.11	24.0	0.0
100	QPSK	210	80	23.11	23.11	24.0	0.0
100	QPSK	420	0	23.14	23.14	23.0	1.0
100	QPSK	420	80	23.14	23.14	23.0	1.0
100	QPSK	840	0	23.17	23.17	21.5	2.5
100	QPSK	840	80	23.17	23.17	21.5	2.5
100	QPSK	1680	0	23.21	23.21	19.0	4.0
100	QPSK	1680	80	23.21	23.21	19.0	4.0
100	QPSK	3360	0	23.24	23.24	16.0	6.0
100	QPSK	3360	80	23.24	23.24	16.0	6.0
100	QPSK	6720	0	23.27	23.27	13.0	8.0
100	QPSK	6720	80	23.27	23.27	13.0	8.0
100	QPSK	13440	0	23.31	23.31	10.0	10.0
100	QPSK	13440	80	23.31	23.31	10.0	10.0
100	QPSK	26880	0	23.34	23.34	7.0	12.0
100	QPSK	26880	80	23.34	23.34	7.0	12.0
100	QPSK	53760	0	23.37	23.37	4.0	14.0
100	QPSK	53760	80	23.37	23.37	4.0	14.0
100	QPSK	107520	0	23.41	23.41	1.0	16.0
100	QPSK	107520	80	23.41	23.41	1.0	16.0
100	QPSK	215040	0	23.44	23.44	0.0	18.0
100	QPSK	215040	80	23.44	23.44	0.0	18.0
100	QPSK	430080	0	23.47	23.47	0.0	20.0
100	QPSK	430080	80	23.47	23.47	0.0	20.0
100	QPSK	860160	0	23.51	23.51	0.0	22.0
100	QPSK	860160	80	23.51	23.51	0.0	22.0
100	QPSK	1720320	0	23.54	23.54	0.0	24.0
100	QPSK	1720320	80	23.54	23.54	0.0	24.0
100	QPSK	3440640	0	23.57	23.57	0.0	26.0
100	QPSK	3440640	80	23.57	23.57	0.0	26.0
100	QPSK	6881280	0	23.61	23.61	0.0	28.0
100	QPSK	6881280	80	23.61	23.61	0.0	28.0
100	QPSK	13762560	0	23.64	23.64	0.0	30.0
100	QPSK	13762560	80	23.64	23.64	0.0	30.0
100	QPSK	27525120	0	23.67	23.67	0.0	32.0
100	QPSK	27525120	80	23.67	23.67	0.0	32.0
100	QPSK	55050240	0	23.71	23.71	0.0	34.0
100	QPSK	55050240	80	23.71	23.71	0.0	34.0
100	QPSK	110100480	0	23.74	23.74	0.0	36.0
100	QPSK	110100480	80	23.74	23.74	0.0	36.0
100	QPSK	220200960	0	23.77	23.77	0.0	38.0
100	QPSK	220200960	80	23.77	23.77	0.0	38.0
100	QPSK	440401920	0	23.81	23.81	0.0	40.0
100	QPSK	440401920	80	23.81	23.81	0.0	40.0
100	QPSK	880803840	0	23.84	23.84	0.0	42.0
100	QPSK	880803840	80	23.84	23.84	0.0	42.0
100	QPSK	1761607680	0	23.87	23.87	0.0	44.0
100	QPSK	1761607680	80	23.87	23.87	0.0	44.0
100	QPSK	3523215360	0	23.91	23.91	0.0	46.0
100	QPSK	3523215360	80	23.91	23.91	0.0	46.0
100	QPSK	7046430720	0	23.94	23.94	0.0	48.0
100	QPSK	7046430720	80	23.94	23.94	0.0	48.0
100	QPSK	14092861440	0	23.97	23.97	0.0	50.0
100	QPSK	14092861440	80	23.97	23.97	0.0	50.0
100	QPSK	28185722880	0	24.01	24.01	0.0	52.0
100	QPSK	28185722880	80	24.01	24.01	0.0	52.0
100	QPSK	56371445760	0	24.04	24.04	0.0	54.0
100	QPSK	56371445760	80	24.04	24.04	0.0	54.0
100	QPSK	112742891520	0	24.07	24.07	0.0	56.0
100	QPSK	112742891520	80	24.07	24.07	0.0	56.0
100	QPSK	225485783040	0	24.11	24.11	0.0	58.0
100	QPSK	225485783040	80	24.11	24.11	0.0	58.0
100	QPSK	450971566080	0	24.14	24.14	0.0	60.0
100	QPSK	450971566080	80	24.14	24.14	0.0	60.0
100	QPSK	901943132160	0	24.17	24.17	0.0	62.0
100	QPSK	901943132160	80	24.17	24.17	0.0	62.0
100	QPSK	1803886264320	0	24.21	24.21	0.0	64.0
100	QPSK	1803886264320	80	24.21	24.21	0.0	64.0
100	QPSK	3607772528640	0	24.24	24.24	0.0	66.0
100	QPSK	3607772528640	80	24.24	24.24	0.0	66.0
100	QPSK	7215545057280	0	24.27	24.27	0.0	68.0
100	QPSK	7215545057280	80	24.27	24.27	0.0	68.0
100	QPSK	14431090114560	0	24.31	24.31	0.0	70.0
100	QPSK	14431090114560	80	24.31	24.31	0.0	70.0
100	QPSK	28862180229120	0	24.34	24.34	0.0	72.0
100	QPSK	28862180229120	80	24.34	24.34	0.0	72.0
100	QPSK	57724360458240	0	24.37	24.37	0.0	74.0
100	QPSK	57724360458240	80	24.37	24.37	0.0	74.0
100	QPSK	115448720916480	0	24.41	24.41	0.0	76.0
100	QPSK	115448720916480	80	24.41	24.41	0.0	76.0
100	QPSK	230897441832960	0	24.44	24.44	0.0	78.0
100	QPSK	230897441832960	80	24.44	24.44	0.0	78.0
100	QPSK	461794883665920	0	24.47	24.47	0.0	80.0
100	QPSK	461794883665920	80	24.47	24.47	0.0	80.0
100	QPSK	923589767331840	0	24.51	24.51	0.0	82.0
100	QPSK	923589767331840	80	24.51	24.51	0.0	82.0
100	QPSK	1847179534663680	0	24.54	24.54	0.0	84.0
100	QPSK	1847179534663680	80	24.54	24.54	0.0	84.0
100	QPSK	3694359069327360	0	24.57	24.57	0.0	86.0
100	QPSK	3694359069327360	80	24.57	24.57	0.0	86.0
100	QPSK	7388718138654720	0	24.61	24.61	0.0	88.0
100	QPSK	7388718138654720	80	24.61	24.61	0.0	88.0
100	QPSK	14777436277309440	0	24.64	24.64	0.0	90.0
100	QPSK	14777436277309440	80	24.64	24.64	0.0	90.0
100	QPSK	29554872554618880	0	24.67	24.67	0.0	92.0
100	QPSK	29554872554618880	80	24.67	24.67	0.0	92.0
100	QPSK	59109745109237760	0	24.71	24.71	0.0	94.0
100	QPSK	59109745109237760	80	24.71	24.71	0.0	94.0
100	QPSK	118219490218475520	0	24.74	24.74	0.0	96.0
100	QPSK	118219490218475520	80	24.74	24.74	0.0	96.0
100	QPSK	236438980436951040	0	24.77	24.77	0.0	98.0
100	QPSK	236438980436951040	80	24.77	24.77	0.0	98.0
100	QPSK	472877960873902080	0	24.81	24.81	0.0	100.0
100	QPSK	472877960873902080	80	24.81	24.81	0.0	100.0
100	QPSK	945755921747804160	0	24.84	24.84	0.0	102.0
100	QPSK	945755921747804160	80	24.84	24.84	0.0	102.0
100	QPSK	1891511843495608320	0	24.87	24.87	0.0	104.0
100	QPSK	1891511843495608320	80	24.87	24.87	0.0	104.0
100	QPSK	3783023686991216640	0	24.91	24.91	0.0	106.0
100	QPSK	3783023686991216640	80	24.91	24.91	0.0	106.0
100	QPSK	7566047373982433280	0	24.94	24.94	0.0	108.0
100	QPSK	7566047373982433280	80	24.94	24.94	0.0	108.0
100	QPSK	1513209474796486560	0	24.97	24.97	0.0	110.0
100	QPSK	1513209474796486560	80	24.97	24.97	0.0	110.0
100	QPSK	3026418949592973120	0	25.01	25.01	0.0	112.0
100	QPSK	3026418949592973120	80	25.01	25.01	0.0	112.0
100	QPSK	6052837899185946240	0	25.04	25.04	0.0	114.0
100	QPSK	6052837899185946240	80	25.04	25.04	0.0	114.0
100	QPSK	12105675798371892480	0	25.07	25.07	0.0	116.0
100	QPSK	12105675798371892480	80	25.07	25.07	0.0	116.0
100	QPSK	24211351596743784960	0	25.11	25.11	0.0	118.0
100	QPSK	24211351596743784960	80	25.11	25.11	0.0	118.0
100	QPSK	48422703193487569920	0	25.14	25.14	0.0	120.0
100	QPSK	48422703193487569920	80</				



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				506202	518598	528000		
Frequency (MHz)				2516.01	2592.99	2670		
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		
100	PI/2 BPSK	135	0	15.32	15.25	15.36	16.1	0.0
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	16.1	0.0
100	PI/2 BPSK	270	0	15.08	15.23	15.13		
100	QPSK	1	1	15.57	15.58	15.49		
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	16.1	0.0
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	16.1	0.0
100	256QAM	1	1	15.32	15.19	15.30	16.1	0.0
Channel				508200	518598	528596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.35	15.40	15.38	16.1	0.0
Channel				507204	518598	528596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2644.99		
80	QPSK	1	1	15.30	15.45	15.35	16.1	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.30	15.40	15.30	16.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.25	15.41	15.23	16.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.38	15.55	15.19	16.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.42	15.38	15.40	16.1	0.0
Channel				503200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.29	15.40	15.24	16.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	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								
Frequency (MHz)								
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	15.18	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								
Frequency (MHz)								
90	QPSK	1	1	15.24	15.21	15.01	16.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.27	15.14	15.21	16.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.16	15.31	15.09	16.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.13	15.23	15.15	16.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.23	15.37	15.24	16.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.16	15.35	15.11	16.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.21	15.24	15.13	16.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.08	15.17	15.01	16.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.10	15.23	15.06	16.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.06	15.31	15.05	16.6	0.0

Part27Q 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								
Frequency (MHz)								
100	PI/2 BPSK	1	1		15.64			
100	PI/2 BPSK	1	137		15.47		16.6	0.0
100	PI/2 BPSK	1	271		15.61			
100	PI/2 BPSK	135	0		15.58		16.6	0.0
100	PI/2 BPSK	135	69		15.78		16.6	0.0
100	PI/2 BPSK	135	138		15.64		16.6	0.0
100	PI/2 BPSK	270	0		15.67			
100	QPSK	1	1		15.32			
100	QPSK	1	137		15.61		16.6	0.0
100	QPSK	1	271		15.70			
100	QPSK	135	0		15.57		16.6	0.0
100	QPSK	135	69		15.78		16.6	0.0
100	QPSK	135	138		15.75		16.6	0.0
100	QPSK	270	0		15.75			
100	16QAM	1	1		15.42		16.6	0.0
100	64QAM	1	1		15.51		16.6	0.0
100	256QAM	1	1		15.44		16.6	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.59	15.53	15.56	16.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.50	15.66	15.52	16.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.57	15.58	15.58	16.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.55	15.67	15.64	16.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.47	15.67	15.57	16.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.40	15.68	15.41	16.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.49	15.70	15.51	16.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.49	15.71	15.47	16.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.53	15.65	15.61	16.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.53	15.60	15.52	16.6	0.0



Part270 n78 PC3&PC2 Ant5 DS12 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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	3750	3750	3750		
100	PI/2 BPSK	1	137	15.25	15.04	15.14	16.6	0.0
100	PI/2 BPSK	1	271	15.14	15.14	15.14	16.6	0.0
100	PI/2 BPSK	135	0	15.29	15.29	15.29	16.6	0.0
100	PI/2 BPSK	135	69	15.19	15.19	15.19	16.6	0.0
100	PI/2 BPSK	135	138	15.07	15.07	15.07	16.6	0.0
100	PI/2 BPSK	270	0	15.16	15.16	15.16	16.6	0.0
100	QPSK	1	1	15.40	15.40	15.40	16.6	0.0
100	QPSK	1	137	15.14	15.14	15.14	16.6	0.0
100	QPSK	1	271	15.27	15.27	15.27	16.6	0.0
100	QPSK	135	0	15.16	15.16	15.16	16.6	0.0
100	QPSK	135	69	15.39	15.39	15.39	16.6	0.0
100	QPSK	135	138	15.23	15.23	15.23	16.6	0.0
100	QPSK	270	0	15.28	15.28	15.28	16.6	0.0
100	16QAM	1	1	15.08	15.08	15.08	16.6	0.0
100	64QAM	1	1	15.02	15.02	15.02	16.6	0.0
100	256QAM	1	1	15.10	15.10	15.10	16.6	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.21	15.15	15.28	16.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.05	15.11	15.13	16.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.08	15.33	15.29	16.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.08	15.13	15.32	16.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.25	15.15	15.21	16.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.21	15.10	15.34	16.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.05	15.20	15.21	16.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.22	15.15	15.23	16.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.19	15.23	15.34	16.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.09	15.11	15.35	16.6	0.0

Part27Q 78 PC3&PC2 Ant5 DS12 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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	3495	3500.01	3500.01		
100	PI/2 BPSK	1	137	15.31	15.31	15.31	16.6	0.0
100	PI/2 BPSK	1	271	15.53	15.53	15.53	16.6	0.0
100	PI/2 BPSK	135	0	15.57	15.57	15.57	16.6	0.0
100	PI/2 BPSK	135	69	15.60	15.60	15.60	16.6	0.0
100	PI/2 BPSK	135	138	15.65	15.65	15.65	16.6	0.0
100	PI/2 BPSK	270	0	15.61	15.61	15.61	16.6	0.0
100	QPSK	1	1	15.76	15.76	15.76	16.6	0.0
100	QPSK	1	137	15.40	15.40	15.40	16.6	0.0
100	QPSK	1	271	15.69	15.69	15.69	16.6	0.0
100	QPSK	135	0	15.58	15.58	15.58	16.6	0.0
100	QPSK	135	69	15.70	15.70	15.70	16.6	0.0
100	QPSK	135	138	15.65	15.65	15.65	16.6	0.0
100	QPSK	270	0	15.62	15.62	15.62	16.6	0.0
100	16QAM	1	1	15.39	15.39	15.39	16.6	0.0
100	64QAM	1	1	15.45	15.45	15.45	16.6	0.0
100	256QAM	1	1	15.43	15.43	15.43	16.6	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.48	15.51	15.56	16.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.35	15.68	15.50	16.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.49	15.53	15.47	16.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.43	15.59	15.44	16.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.47	15.48	15.48	16.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.55	15.57	15.59	16.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.42	15.51	15.48	16.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.45	15.51	15.61	16.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.42	15.60	15.49	16.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.47	15.61	15.42	16.6	0.0



Par270 n77 PC3 Ant7 DS12 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Middle Ch. 1 (Freq), Power High Ch. 1 (Freq), Turn-up time (dBm), and MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM across different RB sizes and offsets.

Par270 n77 PC2 Ant7 DS12 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Middle Ch. 1 (Freq), Power High Ch. 1 (Freq), Turn-up time (dBm), and MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM across different RB sizes and offsets.

Par270 n77 PC3 Ant7 DS12 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Middle Ch. 1 (Freq), Power High Ch. 1 (Freq), Turn-up time (dBm), and MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM across different RB sizes and offsets.

Par270 n77 PC2 Ant7 DS12 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Middle Ch. 1 (Freq), Power High Ch. 1 (Freq), Turn-up time (dBm), and MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM across different RB sizes and offsets.



Part270 n78 PC3 Ant7 DS12 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Low Ch. 2 (Freq), Power High Ch. 1 (Freq), Power High Ch. 2 (Freq), Turn-up time (dBm), MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM.

Part270 n78 PC2 Ant7 DS12 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Low Ch. 2 (Freq), Power High Ch. 1 (Freq), Power High Ch. 2 (Freq), Turn-up time (dBm), MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM.

Part27Q n78 PC3 Ant7 DS12 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Low Ch. 2 (Freq), Power High Ch. 1 (Freq), Power High Ch. 2 (Freq), Turn-up time (dBm), MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM.

Part27Q n78 PC2 Ant7 DS12 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Low Ch. 2 (Freq), Power High Ch. 1 (Freq), Power High Ch. 2 (Freq), Turn-up time (dBm), MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM.



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		
Frequency (MHz)				2543.01	2592.99	2644.98		
100	PI/2 BPSK	1	1	23.44	23.49	23.37		
100	PI/2 BPSK	1	137	23.44	23.52	23.40	24.0	0.0
100	PI/2 BPSK	1	271	23.43	23.54	23.50		
100	PI/2 BPSK	135	0	22.92	23.02	22.92	23.5	0.5
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		
100	QPSK	1	137	23.39	23.46	23.42	24.0	0.0
100	QPSK	1	271	23.40	23.52	23.40		
100	QPSK	135	0	22.56	22.64	22.50	23.0	1.0
100	QPSK	135	69	23.42	23.55	23.46	24.0	0.0
100	QPSK	135	138	22.40	22.52	22.37		
100	QPSK	270	0	22.48	22.50	22.56	23.0	1.0
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		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.16	23.48	23.33	24.0	0.0
Channel				507204	518598	528998		
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	1	23.12	23.52	23.31	24.0	0.0
Channel				506202	518598	531000		
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		
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		
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		
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		
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		
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		
Frequency (MHz)				2543.01	2592.99	2644.98		
100	PI/2 BPSK	1	1	26.43	26.60	26.51		
100	PI/2 BPSK	1	137	26.48	26.53	26.46	27.0	0.0
100	PI/2 BPSK	1	271	26.46	26.59	26.53		
100	PI/2 BPSK	135	0	26.56	26.61	26.49	27.0	0.0
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		
100	QPSK	1	137	26.42	26.56	26.49	27.0	0.0
100	QPSK	1	271	26.49	26.56	26.43		
100	QPSK	135	0	26.10	26.14	26.07	26.5	0.5
100	QPSK	135	69	26.53	26.57	26.52	27.0	0.0
100	QPSK	135	138	26.00	26.15	26.11		
100	QPSK	270	0	26.10	26.16	26.02	26.5	0.5
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		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.16	26.48	26.36	27.0	0.0
Channel				507204	518598	528998		
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	1	26.11	26.50	26.38	27.0	0.0
Channel				506202	518598	531000		
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		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	26.15	26.57	26.39	27.0	0.0
Channel				504204	518598	532998		
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		
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		
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		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.13	26.57	26.36	27.0	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		
Frequency (MHz)				2516.01	2592.99	2670		
100	PI/2 BPSK	1	1	16.30	16.31	16.27		
100	PI/2 BPSK	1	137	16.09	16.44	16.28	17.2	0.0
100	PI/2 BPSK	1	271	16.24	16.08	16.18		
100	PI/2 BPSK	135	0	16.13	16.39	16.00	17.2	0.0
100	PI/2 BPSK	135	69	16.16	16.40	16.20	17.2	0.0
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	16.48	16.36		
100	QPSK	1	137	16.26	16.43	16.31	17.2	0.0
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	17.2	0.0
100	QPSK	135	138	16.14	16.31	16.15		
100	QPSK	270	0	16.29	16.30	16.19	17.2	0.0
100	16QAM	1	1	16.24	16.25	16.17	17.2	0.0
100	64QAM	1	1	16.25	16.24	16.12	17.2	0.0
100	256QAM	1	1	16.20	16.19	16.11	17.2	0.0
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	529596	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.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 3 (Freq.)	Turn-up time (dBm)	MPR	(dB)
Channel									
100	PI2-BPSK	1	1	20.24	20.46	20.26			
100	PI2-BPSK	1	137	20.17	20.30	20.25	21.4	0.0	
100	PI2-BPSK	1	271	20.14	20.20	20.12	21.4	0.0	
100	PI2-BPSK	135	0	20.10	20.40	20.42	21.4	0.0	
100	PI2-BPSK	135	138	20.26	20.31	20.19	21.4	0.0	
100	PI2-BPSK	135	138	19.96	20.44	20.26	21.4	0.0	
100	PI2-BPSK	270	0	20.08	20.30	20.18			
100	QPSK	1	1	20.45	20.55	20.47			
100	QPSK	1	137	20.22	20.45	20.43	21.4	0.0	
100	QPSK	1	271	20.25	20.37	20.40	21.4	0.0	
100	QPSK	135	0	20.32	20.47	20.45	21.4	0.0	
100	QPSK	135	138	20.28	20.48	20.24	21.4	0.0	
100	QPSK	135	138	20.15	20.47	20.24	21.4	0.0	
100	QPSK	270	0	20.23	20.31	20.21	21.4	0.0	
100	HQAM	1	1	20.26	20.34	20.42	21.4	0.0	
100	HQAM	1	1	20.13	20.15	20.28	21.4	0.0	
100	HQAM	1	1	20.33	20.44	20.30	21.4	0.0	
Channel									
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
50	QPSK	1	1	20.11	20.42	20.16	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
80	QPSK	1	1	20.20	20.31	20.19	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
70	QPSK	1	1	20.20	20.33	20.27	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
60	QPSK	1	1	20.17	20.47	20.38	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
50	QPSK	1	1	20.24	20.44	20.30	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
40	QPSK	1	1	20.20	20.42	20.31	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
30	QPSK	1	1	20.22	20.35	20.19	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
20	QPSK	1	1	20.21	20.45	20.19	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
15	QPSK	1	1	20.19	20.28	20.35	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
10	QPSK	1	1	20.18	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.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 3 (Freq.)	Turn-up time (dBm)	MPR	(dB)
Channel									
100	PI2-BPSK	1	1	20.45					
100	PI2-BPSK	1	137	20.33			21.4	0.0	
100	PI2-BPSK	1	271	20.29			21.4	0.0	
100	PI2-BPSK	135	0	20.38			21.4	0.0	
100	PI2-BPSK	135	138	20.44			21.4	0.0	
100	PI2-BPSK	135	138	20.28			21.4	0.0	
100	PI2-BPSK	270	0	20.44					
100	QPSK	1	1	20.51					
100	QPSK	1	137	20.39			21.4	0.0	
100	QPSK	1	271	20.35			21.4	0.0	
100	QPSK	135	0	20.49			21.4	0.0	
100	QPSK	135	138	20.55			21.4	0.0	
100	QPSK	135	138	20.37			21.4	0.0	
100	QPSK	270	0	20.46			21.4	0.0	
100	HQAM	1	1	20.35			21.4	0.0	
100	HQAM	1	1	20.20			21.4	0.0	
100	HQAM	1	1	20.41			21.4	0.0	
Channel									
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
50	QPSK	1	1	20.48	20.49	20.15	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
80	QPSK	1	1	20.28	20.46	20.30	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
70	QPSK	1	1	20.41	20.49	20.21	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
60	QPSK	1	1	20.37	20.46	20.29	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
50	QPSK	1	1	20.41	20.38	20.16	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
40	QPSK	1	1	20.30	20.46	20.20	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
30	QPSK	1	1	20.42	20.13	20.21	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
20	QPSK	1	1	20.42	20.34	20.29	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
15	QPSK	1	1	20.33	20.32	20.19	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
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.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 3 (Freq.)	Turn-up time (dBm)	MPR	(dB)
Channel									
100	PI2-BPSK	1	1	20.46					
100	PI2-BPSK	1	137	20.31			21.4	0.0	
100	PI2-BPSK	1	271	19.99			21.4	0.0	
100	PI2-BPSK	135	0	20.38			21.4	0.0	
100	PI2-BPSK	135	138	20.22			21.4	0.0	
100	PI2-BPSK	135	138	20.24			21.4	0.0	
100	PI2-BPSK	270	0	20.14					
100	QPSK	1	1	20.52					
100	QPSK	1	137	20.23			21.4	0.0	
100	QPSK	1	271	20.30			21.4	0.0	
100	QPSK	135	0	20.30			21.4	0.0	
100	QPSK	135	138	20.37			21.4	0.0	
100	QPSK	135	138	20.37			21.4	0.0	
100	QPSK	270	0	20.30			21.4	0.0	
100	HQAM	1	1	20.21			21.4	0.0	
100	HQAM	1	1	20.68			21.4	0.0	
100	HQAM	1	1	20.32			21.4	0.0	
Channel									
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
50	QPSK	1	1	20.21	20.42	20.24	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
80	QPSK	1	1	20.24	20.32	20.28	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
70	QPSK	1	1	20.14	20.40	20.16	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
60	QPSK	1	1	20.30	20.21	20.24	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
50	QPSK	1	1	20.14	20.25	20.21	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
40	QPSK	1	1	20.33	20.42	20.20	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
30	QPSK	1	1	20.11	20.26	20.21	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
20	QPSK	1	1	20.19	20.21	20.12	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
15	QPSK	1	1	20.23	20.41	20.20	21.4	0.0	
				63000	63000	63000	Turn-up time	MPR	(dB)
				63000	63000	63000	Turn-up time	MPR	(dB)
10									



n41 PC3 Ant3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 2 Freq.	Power High Ch. 3 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	21.53	21.59	21.67			
100	PI2-BPSK	1	137	21.43	21.69	21.43	23.0	0.0	
100	PI2-BPSK	1	271	21.43	21.71	21.43			
100	PI2-BPSK	135	0	21.58	21.76	21.52	23.0	0.0	
100	PI2-BPSK	135	136	21.46	21.66	21.46	23.0	0.0	
100	PI2-BPSK	135	138	21.43	21.68	21.43	23.0	0.0	
100	PI2-BPSK	270	0	21.44	21.72	21.54			
100	QPSK	1	1	21.55	21.51	21.55			
100	QPSK	1	137	21.55	21.77	21.53	23.0	0.0	
100	QPSK	1	271	21.55	21.68	21.54			
100	QPSK	135	0	21.50	21.69	21.43	23.0	0.0	
100	QPSK	135	136	21.46	21.68	21.46	23.0	0.0	
100	QPSK	135	138	21.43	21.68	21.43	23.0	0.0	
100	QPSK	270	0	21.53	21.70	21.49			
100	HQAM	1	1	21.61	21.60	21.62	23.0	0.0	
100	HQAM	1	1	21.48	21.75	21.59	23.0	0.0	
100	HQAM	1	1	21.41	21.74	21.62	22.0	1.8	
Channel									
50	QPSK	1	1	21.51	21.58	21.48	23.0	0.0	
Channel									
50	QPSK	1	1	21.51	21.58	21.48	23.0	0.0	
Channel									
80	QPSK	1	1	21.46	21.47	21.53	23.0	0.0	
Channel									
80	QPSK	1	1	21.46	21.47	21.53	23.0	0.0	
Channel									
70	QPSK	1	1	21.41	21.43	21.53	23.0	0.0	
Channel									
60	QPSK	1	1	21.46	21.43	21.55	23.0	0.0	
Channel									
50	QPSK	1	1	21.44	21.49	21.51	23.0	0.0	
Channel									
40	QPSK	1	1	21.40	21.41	21.48	23.0	0.0	
Channel									
30	QPSK	1	1	21.31	21.43	21.51	23.0	0.0	
Channel									
20	QPSK	1	1	21.40	21.40	21.50	23.0	0.0	

n41 PC2 Ant3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 2 Freq.	Power High Ch. 3 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	26.48	26.85	26.85			
100	PI2-BPSK	1	137	26.48	26.84	26.46	26.0	0.0	
100	PI2-BPSK	1	271	26.51	26.78	26.54			
100	PI2-BPSK	135	0	26.50	26.77	26.50	25.0	0.0	
100	PI2-BPSK	135	136	26.47	26.84	26.49	25.0	0.0	
100	PI2-BPSK	135	138	26.48	26.71	26.53	25.0	0.0	
100	PI2-BPSK	270	0	26.40	26.78	26.50			
100	QPSK	1	1	26.50	26.50	26.75			
100	QPSK	1	137	26.50	26.82	26.83	26.0	0.0	
100	QPSK	1	271	26.52	26.76	26.83			
100	QPSK	135	0	26.39	26.82	26.39	26.0	0.0	
100	QPSK	135	136	26.41	26.84	26.46	26.0	0.0	
100	QPSK	135	138	26.58	26.77	26.35	26.0	0.0	
100	QPSK	270	0	26.20	26.53	26.07			
100	HQAM	1	1	26.52	26.24	26.07	25.0	1.0	
100	HQAM	1	1	26.63	26.00	22.00	23.5	2.5	
100	HQAM	1	1	26.30	26.84	26.00	23.5	4.5	
Channel									
50	QPSK	1	1	26.45	26.48	26.50	25.0	0.0	
Channel									
50	QPSK	1	1	26.45	26.48	26.50	25.0	0.0	
Channel									
80	QPSK	1	1	26.43	26.57	26.40	25.0	0.0	
Channel									
80	QPSK	1	1	26.43	26.57	26.40	25.0	0.0	
Channel									
70	QPSK	1	1	26.42	26.53	26.50	25.0	0.0	
Channel									
60	QPSK	1	1	26.52	26.44	26.58	25.0	0.0	
Channel									
50	QPSK	1	1	26.41	26.56	26.58	25.0	0.0	
Channel									
40	QPSK	1	1	26.40	26.57	26.40	25.0	0.0	
Channel									
30	QPSK	1	1	26.44	26.53	26.53	25.0	0.0	
Channel									
20	QPSK	1	1	26.40	26.50	26.43	25.0	0.0	

Par270 n77 PC3 Ant3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 2 Freq.	Power High Ch. 3 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	22.72	22.83	22.75			
100	PI2-BPSK	1	137	22.73	22.75	22.62	24.0	0.0	
100	PI2-BPSK	1	271	22.72	22.78	22.71			
100	PI2-BPSK	135	0	22.67	22.38	22.21	23.5	0.0	
100	PI2-BPSK	135	136	22.61	22.67	22.61	23.5	0.0	
100	PI2-BPSK	135	138	22.28	22.38	22.24	23.0	0.0	
100	PI2-BPSK	270	0	22.50	22.40	22.50			
100	QPSK	1	1	22.74	22.85	22.74			
100	QPSK	1	137	22.65	22.84	22.64	24.0	0.0	
100	QPSK	1	271	22.70	22.82	22.64			
100	QPSK	135	0	22.61	22.38	22.24	24.0	0.0	
100	QPSK	135	136	22.59	22.66	22.59	24.0	0.0	
100	QPSK	135	138	22.65	22.61	22.65	24.0	0.0	
100	QPSK	270	0	22.50	22.11	22.60			
100	HQAM	1	1	21.84	21.86	21.86	23.0	1.0	
100	HQAM	1	1	20.34	20.53	20.30	21.5	2.5	
100	HQAM	1	1	18.78	18.76	18.21	18.5	4.5	
Channel									
50	QPSK	1	1	22.60	22.77	22.55	24.0	0.0	
Channel									
50	QPSK	1	1	22.60	22.77	22.55	24.0	0.0	
Channel									
80	QPSK	1	1	22.63	22.76	22.20	24.0	0.0	
Channel									
80	QPSK	1	1	22.63	22.76	22.20	24.0	0.0	
Channel									
70	QPSK	1	1	22.63	22.69	22.69	24.0	0.0	
Channel									
60	QPSK	1	1	22.70	22.77	22.73	24.0	0.0	
Channel									
50	QPSK	1	1	22.70	22.77	22.73	24.0	0.0	
Channel									
40	QPSK	1	1	22.70	22.80	22.65	24.0	0.0	
Channel									
30	QPSK	1	1	22.68	22.76	22.68	24.0	0.0	
Channel									
20	QPSK	1	1	22.70	22.78	22.64	24.0	0.0	
Channel									
15	QPSK	1	1	22.66	22.84	22.65	24.0	0.0	
Channel									
10	QPSK	1	1	22.69	22.80	22.60	24.0	0.0	

Par270 n77 PC2 Ant3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 2 Freq.	Power High Ch. 3 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI2-BPSK	1	1	25.72	25.97	25.84			
100	PI2-BPSK	1	137	25.77	25.83	25.82	27.0	0.0	
100	PI2-BPSK	1	271	25.82	25.94	25.81			
100	PI2-BPSK	135	0	25.70	25.84	25.87	27.0	0.0	
100	PI2-BPSK	135	136	25.61	25.86	25.71	27.0	0.0	
100	PI2-BPSK	135	138	25.79	25.86	25.72	27.0	0.0	
100	PI2-BPSK	270	0	25.71	25.88	25.81			
100	QPSK	1	1	25.82	25.85	25.87			
100	QPSK	1	137	25.87	25.92	25.88	27.0	0.0	
100	QPSK	1	271	25.76	25.88	25.72			
100	QPSK	135	0	25.74	25.79	25.77	26.0	0.0	
100	QPSK	135	136	25.66	25.84	25.79	26.0	0.0	
100	QPSK	135	138	25.87	25.82	25.84	26.0	0.0	
100	QPSK	270	0	25.41	25.44	25.46			
100	HQAM	1	1	25.38	25.52	25.28	26.0	0.5	
100	HQAM	1	1	24.02	24.28	23.93	25.0	2.0	
100	HQAM	1	1	21.77	21.93	21.71	23.0	4.0	
Channel									
50	QPSK	1	1	25.69	25.90	25.81	27.0	0.0	
Channel									
50	QPSK	1	1	25.69	25.90	25.81	27.0	0.0	
Channel									
80	QPSK	1	1	25.84	25.82	25.70	27.0	0.0	
Channel									
80	QPSK	1	1	25.84	25.82	25.70	27.0	0.0	
Channel									
70	QPSK	1	1	25.74	25.81	25.76	27.0	0.0	
Channel									
60	QPSK	1	1	25.81	25.86	25.83	27.0	0.0	
Channel									
50	QPSK	1	1	25.79	25.80	25.77	27.0	0.0	
Channel									
40	QPSK	1	1	25.84	25.80	25.80	27.0	0.0	
Channel									
30	QPSK	1	1	25.72	25.86	25.84	27.0	0.0	
Channel									
20	QPSK	1	1	25.79	25.84	25.81	27.0	0.0	
Channel									
15	QPSK	1	1	25.88	25.82	25.69	27.0	0.0	
Channel									
10	QPSK	1	1	25.85	25.84	25.69	27.0	0.0	



Part27Q n77 PC3 Ant3 DS12 Standalone

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Frac.), Power High Ch. (Frac.), Power Max (dBm), Power Min (dBm), Turn-up time (min), MPR (dB). Rows include various modulation schemes like PBO BPSK, QPSK, and HQAM for different bandwidths (100, 80, 70, 60, 50, 40, 30, 20, 15, 10 MHz).

Part27Q n77 PC2 Ant3 DS12 Standalone

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Frac.), Power High Ch. (Frac.), Power Max (dBm), Power Min (dBm), Turn-up time (min), MPR (dB). Rows include various modulation schemes like PBO BPSK, QPSK, and HQAM for different bandwidths (100, 80, 70, 60, 50, 40, 30, 20, 15, 10 MHz).

Part27Q n78 PC3 Ant3 DS12 Standalone

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Frac.), Power High Ch. (Frac.), Power Max (dBm), Power Min (dBm), Turn-up time (min), MPR (dB). Rows include various modulation schemes like PBO BPSK, QPSK, and HQAM for different bandwidths (100, 80, 70, 60, 50, 40, 30, 20, 15, 10 MHz).

Part27Q n78 PC2 Ant3 DS12 Standalone

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Frac.), Power High Ch. (Frac.), Power Max (dBm), Power Min (dBm), Turn-up time (min), MPR (dB). Rows include various modulation schemes like PBO BPSK, QPSK, and HQAM for different bandwidths (100, 80, 70, 60, 50, 40, 30, 20, 15, 10 MHz).



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		
Frequency (MHz)				2543.01	2592.99	2643		
100	PI/2 BPSK	1	1	16.43	16.57	16.57		
100	PI/2 BPSK	1	137	16.35	16.66	16.56	17.4	0.0
100	PI/2 BPSK	1	271	16.30	16.39	16.62		
100	PI/2 BPSK	135	0	16.50	16.36	16.41	17.4	0.0
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	16.54	16.74	16.59		
100	QPSK	1	137	16.50	16.67	16.62	17.4	0.0
100	QPSK	1	271	16.45	16.54	16.71		
100	QPSK	135	0	16.63	16.49	16.56	17.4	0.0
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		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.46	16.46	16.47	17.4	0.0
Channel				507204	518598	528998		
Frequency (MHz)				2638.02	2692.99	2649.99		
80	QPSK	1	1	16.40	16.61	16.47	17.4	0.0
Channel				506202	518598	531000		
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		
Frequency (MHz)				2529	2592.99	2639.98		
60	QPSK	1	1	16.53	16.45	16.55	17.4	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2684.99		
50	QPSK	1	1	16.38	16.57	16.55	17.4	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.55	16.61	16.57	17.4	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.45	16.63	16.50	17.4	0.0
Channel				501204	518598	535998		
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								
Frequency (MHz)								
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	17.9	0.0
100	PI/2 BPSK	270	0	15.99	16.46	16.23		
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	17.9	0.0
100	QPSK	270	0	16.19	16.48	16.24		
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								
Frequency (MHz)								
90	QPSK	1	1	16.24	16.47	16.25	17.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.20	16.49	16.17	17.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.30	16.48	16.17	17.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.22	16.46	16.31	17.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.34	16.43	16.21	17.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.36	16.37	16.16	17.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.26	16.50	16.25	17.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.24	16.38	16.27	17.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.36	16.33	16.26	17.9	0.0
Channel								
Frequency (MHz)								
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								
Frequency (MHz)								
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								
Frequency (MHz)								
90	QPSK	1	1	16.53	16.66	16.40	17.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.71	16.63	16.52	17.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.57	16.56	16.52	17.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.50	16.54	16.46	17.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.67	16.56	16.36	17.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.60	16.68	16.34	17.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.62	16.58	16.44	17.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.60	16.60	16.38	17.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.65	16.62	16.52	17.9	0.0
Channel								
Frequency (MHz)								
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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	3750	3750	3750		
100	PI/2 BPSK	1	137		16.41		17.9	0.0
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			
100	PI/2 BPSK	270	0		16.34		17.9	0.0
100	QPSK	1	1		16.21			
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		17.9	0.0
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								
Frequency (MHz)								
90	QPSK	1	1	16.07	16.30	16.05	17.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.18	16.53	16.13	17.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.06	16.44	16.03	17.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.05	16.51	16.00	17.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.15	16.43	16.07	17.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.11	16.42	16.20	17.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.10	16.39	16.12	17.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.04	16.51	16.02	17.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.13	16.44	16.07	17.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.01	16.30	16.13	17.9	0.0

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								
Frequency (MHz)								
100	PI/2 BPSK	1	1					
100	PI/2 BPSK	1	137		16.39		17.9	0.0
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		17.9	0.0
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								
Frequency (MHz)								
90	QPSK	1	1	16.37	16.62	16.19	17.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.45	16.48	16.29	17.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.35	16.47	16.22	17.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.41	16.52	16.22	17.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.39	16.65	16.25	17.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.51	16.63	16.42	17.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.46	16.57	16.41	17.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.40	16.68	16.41	17.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.35	16.47	16.21	17.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.52	16.66	16.28	17.9	0.0



Par270 n77 PC3 Ant7 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)	MPR	(dB)
Channel									
100	PI2-BPSK	1	1	22.21	22.51	22.82			
100	PI2-BPSK	1	137	22.13	22.44	22.77	24.0	0.0	
100	PI2-BPSK	1	271	22.05	22.34	22.62			
100	PI2-BPSK	135	0	21.78	22.15	22.54	23.5	0.5	
100	PI2-BPSK	135	138	21.70	22.06	22.46	24.0	0.5	
100	PI2-BPSK	135	138	21.84	22.12	22.51	23.5	0.5	
100	PI2-BPSK	270	0	21.81	22.00	22.18			
100	QPSK	1	1	22.35	22.55	22.82			
100	QPSK	1	137	22.26	22.56	22.88	24.0	0.0	
100	QPSK	1	271	22.18	22.34	22.53			
100	QPSK	135	0	21.10	21.49	21.84	23.0	1.0	
100	QPSK	135	138	21.02	21.38	21.78	24.0	1.0	
100	QPSK	135	138	21.17	21.59	21.82	23.0	1.0	
100	QPSK	270	0	21.23	21.54	21.26			
100	HQAM	1	1	21.26	21.47	21.32	23.0	1.0	
100	HQAM	1	1	19.75	20.53	20.87	21.5	2.5	
100	HQAM	1	1	17.61	18.00	17.62	19.5	4.5	
Channel									
50	QPSK	1	1	22.25	22.51	22.77	24.0	0.0	
Channel									
80	QPSK	1	1	22.20	22.54	22.47	24.0	0.0	
Channel									
70	QPSK	1	1	22.21	22.41	22.45	24.0	0.0	
Channel									
60	QPSK	1	1	22.24	22.51	22.48	24.0	0.0	
Channel									
50	QPSK	1	1	22.21	22.51	22.39	24.0	0.0	
Channel									
40	QPSK	1	1	22.27	22.53	22.40	24.0	0.0	
Channel									
30	QPSK	1	1	22.34	22.58	22.50	24.0	0.0	
Channel									
20	QPSK	1	1	22.31	22.54	22.37	24.0	0.0	
Channel									
15	QPSK	1	1	22.33	22.46	22.47	24.0	0.0	
Channel									
10	QPSK	1	1	22.27	22.49	22.49	24.0	0.0	

Par270 n77 PC2 Ant7 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)	MPR	(dB)
Channel									
100	PI2-BPSK	1	1	25.34	25.49	25.31			
100	PI2-BPSK	1	137	25.38	25.87	25.52	27.0	0.0	
100	PI2-BPSK	1	271	25.20	25.84	25.23			
100	PI2-BPSK	135	0	25.40	25.35	25.47	26.5	0.0	
100	PI2-BPSK	135	138	25.40	25.31	25.68	27.0	0.0	
100	PI2-BPSK	135	138	25.28	25.52	25.43	26.5	0.5	
100	PI2-BPSK	270	0	25.36	25.60	25.46			
100	QPSK	1	1	25.35	25.52	25.65			
100	QPSK	1	137	25.45	25.53	25.43	27.0	0.0	
100	QPSK	1	271	25.21	25.43	25.20			
100	QPSK	135	0	25.39	25.24	25.50	26.0	1.0	
100	QPSK	135	138	25.44	25.46	25.56	27.0	1.0	
100	QPSK	135	138	25.24	25.29	25.13	26.0	1.0	
100	QPSK	270	0	25.23	25.36	25.31			
100	HQAM	1	1	25.13	25.18	25.13	26.0	1.0	
100	HQAM	1	1	23.22	23.83	23.71	24.5	2.5	
100	HQAM	1	1	21.08	21.86	21.64	22.5	4.5	
Channel									
50	QPSK	1	1	25.25	25.63	25.24	27.0	0.0	
Channel									
80	QPSK	1	1	25.40	25.36	25.50	27.0	0.0	
Channel									
70	QPSK	1	1	25.46	25.69	25.50	27.0	0.0	
Channel									
60	QPSK	1	1	25.33	25.56	25.44	27.0	0.0	
Channel									
50	QPSK	1	1	25.49	25.87	25.56	27.0	0.0	
Channel									
40	QPSK	1	1	25.48	25.59	25.63	27.0	0.0	
Channel									
30	QPSK	1	1	25.42	25.60	25.61	27.0	0.0	
Channel									
20	QPSK	1	1	25.42	25.56	25.37	27.0	0.0	
Channel									
15	QPSK	1	1	25.44	25.68	25.56	27.0	0.0	
Channel									
10	QPSK	1	1	25.48	25.70	25.55	27.0	0.0	

Part270 n77 PC3 Ant7 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)	MPR	(dB)
Channel									
100	PI2-BPSK	1	1	22.85					
100	PI2-BPSK	1	137	22.76			24.0	0.0	
100	PI2-BPSK	1	271	22.77					
100	PI2-BPSK	135	0	22.40			23.5	0.5	
100	PI2-BPSK	135	138	22.39			24.0	0.5	
100	PI2-BPSK	135	138	22.38			23.5	0.5	
100	PI2-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	135	0	21.84			23.0	1.0	
100	QPSK	135	138	21.84			23.0	1.0	
100	QPSK	135	138	21.83			23.0	1.0	
100	QPSK	270	0	21.83					
100	HQAM	1	1	21.78			23.0	1.0	
100	HQAM	1	1	20.42			21.5	2.5	
100	HQAM	1	1	18.76			19.5	4.5	
Channel									
50	QPSK	1	1	22.85	23.08	23.08	24.0	0.0	
Channel									
80	QPSK	1	1	22.81	22.81	22.81	24.0	0.0	
Channel									
70	QPSK	1	1	22.85	22.85	22.85	24.0	0.0	
Channel									
60	QPSK	1	1	22.82	22.82	22.82	24.0	0.0	
Channel									
50	QPSK	1	1	22.84	22.75	22.75	24.0	0.0	
Channel									
40	QPSK	1	1	22.85	22.74	22.74	24.0	0.0	
Channel									
30	QPSK	1	1	22.83	22.83	22.83	24.0	0.0	
Channel									
20	QPSK	1	1	22.84	22.84	22.84	24.0	0.0	
Channel									
15	QPSK	1	1	22.81	22.79	22.79	24.0	0.0	
Channel									
10	QPSK	1	1	22.85	22.71	22.68	24.0	0.0	

Part270 n77 PC2 Ant7 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)	MPR	(dB)
Channel									
100	PI2-BPSK	1	1	25.38					
100	PI2-BPSK	1	137	25.59			27.0	0.0	
100	PI2-BPSK	1	271	25.24					
100	PI2-BPSK	135	0	25.40			26.5	0.5	
100	PI2-BPSK	135	138	25.40			27.0	0.5	
100	PI2-BPSK	135	138	25.28			26.5	0.5	
100	PI2-BPSK	270	0	25.37					
100	QPSK	1	1	25.35					
100	QPSK	1	137	25.43			27.0	0.0	
100	QPSK	1	271	25.25					
100	QPSK	135	0	25.30			26.0	1.0	
100	QPSK	135	138	25.29			27.0	1.0	
100	QPSK	135	138	25.20			26.0	1.0	
100	QPSK	270	0	25.24					
100	HQAM	1	1	25.00			26.0	1.0	
100	HQAM	1	1	23.73			24.5	2.5	
100	HQAM	1	1	21.97			23.5	4.5	
Channel									
50	QPSK	1	1	25.30	25.33	25.33	27.0	0.0	
Channel									
80	QPSK	1	1	25.37	25.30	25.30	27.0	0.0	
Channel									
70	QPSK	1	1	25.43	25.37	25.37	27.0	0.0	
Channel									
60	QPSK	1	1	25.32	25.32	25.32	27.0	0.0	
Channel									
50	QPSK	1	1	25.35	25.31	25.31	27.0	0.0	
Channel									
40	QPSK	1	1	25.43	25.36	25.36	27.0	0.0	
Channel									
30	QPSK	1	1	25.38	25.38	25.38	27.0	0.0	
Channel									
20	QPSK	1	1	25.34	25.34	25.34	27.0	0.0	
Channel									
15	QPSK	1	1	25.33	25.36	25.36	27.0	0.0	
Channel									
10	QPSK	1	1	25.47	25.48	25.48	27.0	0.0	



Part270 n78 PC3 Ant7 DS12 Standalone

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Low Ch. 2 (Freq), Power High Ch. 1 (Freq), Power High Ch. 2 (Freq), Turn-up time (dBm), and MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM across different RB sizes and offsets.

Part270 n78 PC2 Ant7 DS12 Standalone

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Low Ch. 2 (Freq), Power High Ch. 1 (Freq), Power High Ch. 2 (Freq), Turn-up time (dBm), and MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM across different RB sizes and offsets.

Part270 n78 PC3 Ant7 DS12 Standalone

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Low Ch. 2 (Freq), Power High Ch. 1 (Freq), Power High Ch. 2 (Freq), Turn-up time (dBm), and MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM across different RB sizes and offsets.

Part270 n78 PC2 Ant7 DS12 Standalone

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq), Power Low Ch. 2 (Freq), Power High Ch. 1 (Freq), Power High Ch. 2 (Freq), Turn-up time (dBm), and MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, and 64QAM across different RB sizes and offsets.



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				507202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.33	21.54	21.35		
100	PI/2 BPSK	1	137	21.37	21.48	21.40	23.1	0.0
100	PI/2 BPSK	1	271	21.25	21.42	21.22		
100	PI/2 BPSK	135	0	21.37	21.64	21.35	23.1	0.0
100	PI/2 BPSK	135	69	21.41	21.56	21.35	23.1	0.0
100	PI/2 BPSK	135	138	21.36	21.62	21.34	23.1	0.0
100	PI/2 BPSK	270	0	21.42	21.55	21.39		
100	QPSK	1	1	21.48	21.55	21.50		
100	QPSK	1	137	21.43	21.54	21.46	23.1	0.0
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	23.1	0.0
100	QPSK	135	138	21.32	21.53	21.26	23.1	0.0
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	23.1	0.0
100	256QAM	1	1	21.22	21.46	21.22	23.0	0.1
Channel				508200	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				506202	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				505200	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				503202	518598	534090	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. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
20	PUSBPSK	1	1	17.63	17.69	17.67		0.0	
20	PUSBPSK	1	53	17.63	17.59	17.52	18.7	0.0	
20	PUSBPSK	1	54	17.63	17.56	17.56		0.0	
20	PUSBPSK	50	0	17.58	17.67	17.67	18.7	0.0	
20	PUSBPSK	50	20	17.58	17.58	17.58	18.7	0.0	
20	PUSBPSK	50	56	17.58	17.61	17.55	18.7	0.0	
20	PUSBPSK	100	0	17.61	17.63	17.61		0.0	
20	QPSK	1	1	17.72	17.74	17.66	18.7	0.0	
20	QPSK	1	53	17.68	17.60	17.52	18.7	0.0	
20	QPSK	1	104	17.66	17.66	17.66		0.0	
20	QPSK	50	0	17.61	17.60	17.62	18.7	0.0	
20	QPSK	50	28	17.64	17.65	17.60	18.7	0.0	
20	QPSK	50	56	17.58	17.61	17.52	18.7	0.0	
20	QPSK	100	0	17.58	17.61	17.60		0.0	
20	16QAM	1	1	17.66	17.66	17.66	18.7	0.0	
20	16QAM	1	1	17.61	17.70	17.60	18.7	0.0	
20	256QAM	1	1	17.61	17.63	17.58	18.7	0.0	
Channel									
Frequency (MHz)				1800	1800	1800			
10	QPSK	1	1	17.62	17.62	17.62		0.0	
Channel									
Frequency (MHz)				1810	1810	1810			
10	QPSK	1	1	17.62	17.56	17.53		0.0	
Channel									
Frequency (MHz)				1820	1820	1820			
5	QPSK	1	1	17.58	17.61	17.55	18.7	0.0	

n5 Ant1 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
20	PUSBPSK	1	1	20.04	20.11	20.01		0.0	
20	PUSBPSK	1	53	22.85	22.84	22.85	24.0	0.0	
20	PUSBPSK	1	104	22.83	22.87	22.85		0.0	
20	PUSBPSK	50	0	23.04	23.11	23.00	24.0	0.0	
20	PUSBPSK	50	28	22.84	22.86	22.86	24.0	0.0	
20	PUSBPSK	50	56	22.83	22.88	22.87	24.0	0.0	
20	PUSBPSK	100	0	22.85	23.03	22.86		0.0	
20	QPSK	1	1	20.14	20.16	20.06		0.0	
20	QPSK	1	53	22.82	22.85	22.87	24.0	0.0	
20	QPSK	1	104	22.74	22.86	22.76		0.0	
20	QPSK	50	0	22.83	22.83	22.85	24.0	0.0	
20	QPSK	50	28	23.05	23.12	22.90	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		0.0	
20	16QAM	1	1	20.06	20.06	20.06	24.0	0.0	
20	16QAM	1	1	20.05	20.12	20.05	22.5	1.5	
20	256QAM	1	1	19.74	19.88	19.79	20.5	0.5	
Channel									
Frequency (MHz)				813	863	813			
10	QPSK	1	1	21.07	21.10	21.0	24.0	0.0	
Channel									
Frequency (MHz)				860	860	860			
10	QPSK	1	1	20.05	20.03	20.07	24.0	0.0	
Channel									
Frequency (MHz)				1830	1830	1830			
5	QPSK	1	1	23.35	23.68	23.66	24.0	0.0	

n7 Ant1 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
40	PUSBPSK	1	1	17.55	17.57	17.48		0.0	
40	PUSBPSK	1	108	17.58	17.51	17.46	18.9	0.0	
40	PUSBPSK	1	214	17.51	17.49	17.46		0.0	
40	PUSBPSK	108	0	17.58	17.53	17.46	18.9	0.0	
40	PUSBPSK	108	54	17.51	17.54	17.46	18.9	0.0	
40	PUSBPSK	108	108	17.53	17.48	17.47	18.9	0.0	
40	PUSBPSK	216	0	17.46	17.47	17.46		0.0	
40	QPSK	1	1	17.66	17.62	17.53		0.0	
40	QPSK	1	108	17.53	17.52	17.46	18.9	0.0	
40	QPSK	1	214	17.58	17.54	17.46		0.0	
40	QPSK	108	0	17.57	17.51	17.48	18.9	0.0	
40	QPSK	108	54	17.51	17.53	17.46	18.9	0.0	
40	QPSK	108	108	17.54	17.47	17.43	18.9	0.0	
40	QPSK	216	0	17.53	17.51	17.46		0.0	
40	16QAM	1	1	17.51	17.54	17.46	18.9	0.0	
40	16QAM	1	1	17.55	17.56	17.46	18.9	0.0	
40	256QAM	1	1	17.23	17.48	17.27	19.9	0.0	
Channel									
Frequency (MHz)				2515	2533	2503			
20	PUSBPSK	1	1	17.23	17.42	17.23	19.9	0.0	
Channel									
Frequency (MHz)				2515	2533	2503			
25	PUSBPSK	1	1	17.27	17.41	17.23	18.9	0.0	
Channel									
Frequency (MHz)				3000	3000	3120			
20	QPSK	1	1	17.24	17.40	17.28	18.9	0.0	
Channel									
Frequency (MHz)				3000	3000	3120			
15	QPSK	1	1	17.27	17.35	17.23	18.9	0.0	
Channel									
Frequency (MHz)				2905	2933	2905			
10	QPSK	1	1	17.22	17.43	17.23	18.9	0.0	
Channel									
Frequency (MHz)				3000	3000	3120			
5	QPSK	1	1	17.23	17.33	17.23	18.9	0.0	

n66 Ant1 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
40	PUSBPSK	1	1	17.31	17.47	17.42		0.0	
40	PUSBPSK	1	108	17.33	17.47	17.44	18.7	0.0	
40	PUSBPSK	1	214	17.31	17.44	17.35		0.0	
40	PUSBPSK	108	0	17.38	17.53	17.50	18.7	0.0	
40	PUSBPSK	108	54	17.35	17.46	17.38	18.7	0.0	
40	PUSBPSK	108	108	17.34	17.47	17.38	18.7	0.0	
40	PUSBPSK	216	0	17.29	17.51	17.41		0.0	
40	QPSK	1	1	17.44	17.60	17.49		0.0	
40	QPSK	1	108	17.35	17.44	17.41	18.7	0.0	
40	QPSK	1	214	17.34	17.56	17.34		0.0	
40	QPSK	108	0	17.30	17.51	17.34	18.7	0.0	
40	QPSK	108	54	17.39	17.53	17.42	18.7	0.0	
40	QPSK	108	108	17.38	17.45	17.41	18.7	0.0	
40	QPSK	216	0	17.31	17.51	17.42		0.0	
40	16QAM	1	1	17.35	17.55	17.35	18.7	0.0	
40	16QAM	1	1	17.30	17.51	17.45	18.7	0.0	
40	256QAM	1	1	17.38	17.52	17.45	18.7	0.0	
Channel									
Frequency (MHz)				3400	3400	3500			
20	PUSBPSK	1	1	17.25	17.45	17.40		0.0	
Channel									
Frequency (MHz)				3400	3400	3500			
20	QPSK	1	1	17.31	17.41	17.31	18.7	0.0	
Channel									
Frequency (MHz)				3400	3400	3500			
15	QPSK	1	1	17.21	17.36	17.28	18.7	0.0	
Channel									
Frequency (MHz)				3400	3400	3500			
10	QPSK	1	1	17.32	17.43	17.33	18.7	0.0	
Channel									
Frequency (MHz)				3712.5	3745	3712.5			
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				507202	518598	528000		
Frequency (MHz)				2536.01	2592.99	2648		
100	PI/2 BPSK	1	1	17.84	17.95	17.92		
100	PI/2 BPSK	1	137	17.80	17.87	17.89	19.0	0.0
100	PI/2 BPSK	1	271	17.78	17.89	17.82		
100	PI/2 BPSK	135	0	17.79	17.89	17.90	19.0	0.0
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	19.0	0.0
100	PI/2 BPSK	270	0	17.79	17.87	17.81		
100	QPSK	1	1	17.36	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	19.0	0.0
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	17.83	17.82	19.0	0.0
100	256QAM	1	1	17.79	17.90	17.83	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				508202	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				508200	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				508202	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				3750	3840	3930		
Frequency (MHz)								
100	PI/2 BPSK	1	1	20.76	20.91	20.84		
100	PI/2 BPSK	1	137	20.84	20.94	20.84	22.4	0.0
100	PI/2 BPSK	1	271	20.78	20.84	20.70		
100	PI/2 BPSK	135	0	20.86	20.92	20.81	22.4	0.0
100	PI/2 BPSK	135	69	20.85	20.90	20.76	22.4	0.0
100	PI/2 BPSK	135	138	20.76	20.84	20.77	22.4	0.0
100	PI/2 BPSK	270	0	20.79	20.85	20.74		
100	QPSK	1	1	20.82	21.09	20.77		
100	QPSK	1	137	20.81	21.00	20.75	22.4	0.0
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	22.4	0.0
100	QPSK	135	138	20.70	20.80	20.66	22.4	0.0
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	22.4	0.0
100	256QAM	1	1	20.90	20.95	20.85	22.4	0.0
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
90	QPSK	1	1	20.83	20.80	20.76	22.4	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
80	QPSK	1	1	20.86	20.80	20.79	22.4	0.0
Channel				649300	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
70	QPSK	1	1	20.75	20.91	20.73	22.4	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
60	QPSK	1	1	20.77	20.89	20.70	22.4	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
50	QPSK	1	1	20.85	20.83	20.72	22.4	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
40	QPSK	1	1	20.81	20.85	20.71	22.4	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
30	QPSK	1	1	20.75	20.82	20.72	22.4	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	1	20.80	20.82	20.75	22.4	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	20.77	20.80	20.72	22.4	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	20.76	20.90	20.79	22.4	0.0

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				6350.01	6333.34	6350.01		
Frequency (MHz)								
100	PI/2 BPSK	1	1	21.03	21.18	21.08		
100	PI/2 BPSK	1	137	21.04	21.21	21.03	22.4	0.0
100	PI/2 BPSK	1	271	21.02	21.20	21.06		
100	PI/2 BPSK	135	0	21.09	21.20	21.07	22.4	0.0
100	PI/2 BPSK	135	69	21.09	21.16	21.10	22.4	0.0
100	PI/2 BPSK	135	138	21.07	21.10	21.03	22.4	0.0
100	PI/2 BPSK	270	0	21.02	21.14	21.01		
100	QPSK	1	1	21.15	21.25	21.17		
100	QPSK	1	137	21.00	21.16	21.11	22.4	0.0
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	22.4	0.0
100	QPSK	135	138	21.03	21.13	21.11	22.4	0.0
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	22.4	0.0
100	256QAM	1	1	21.01	21.10	21.11	22.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
90	QPSK	1	1	20.96	21.08	20.92	22.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
80	QPSK	1	1	20.93	21.10	20.87	22.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
70	QPSK	1	1	20.90	21.03	20.95	22.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
60	QPSK	1	1	20.97	21.02	20.87	22.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
50	QPSK	1	1	20.87	21.08	20.86	22.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
40	QPSK	1	1	20.90	21.07	20.89	22.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
30	QPSK	1	1	20.95	20.98	20.97	22.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	1	20.92	21.08	20.90	22.4	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	20.89	20.99	20.91	22.4	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	20.97	21.08	20.95	22.4	0.0



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				65000	65000	65000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	20.56	20.70	20.68		
100	PI/2 BPSK	1	137	20.70	20.79	20.69	22.4	0.0
100	PI/2 BPSK	1	271	20.56	20.65	20.45		
100	PI/2 BPSK	135	0	20.66	20.68	20.58	22.4	0.0
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	22.4	0.0
100	QPSK	1	271	20.58	20.71	20.55		
100	QPSK	135	0	20.59	20.65	20.53	22.4	0.0
100	QPSK	135	69	20.59	20.69	20.57	22.4	0.0
100	QPSK	135	138	20.44	20.57	20.42	22.4	0.0
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	3760		
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 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					63334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	20.66	21.08	20.65		
100	PI/2 BPSK	1	137	20.99	21.15	20.92	22.4	0.0
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	0.0
100	PI/2 BPSK	135	69	20.95	21.10	20.97	22.4	0.0
100	PI/2 BPSK	135	138	21.03	21.05	20.92	22.4	0.0
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
100	QPSK	1	271	20.97	21.00	20.97		
100	QPSK	135	0	20.89	20.95	21.02	22.4	0.0
100	QPSK	135	69	20.96	21.09	20.95	22.4	0.0
100	QPSK	135	138	20.96	21.01	20.98	22.4	0.0
100	QPSK	270	0	20.93	21.05	21.01		
100	16QAM	1	1	20.96	21.04	20.92	22.4	0.0
100	64QAM	1	1	20.89	21.03	21.01	22.4	0.0
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	20.80	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	20.81	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	20.82	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	20.85	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 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (W)	Power High Ch. (W)	Power High Ch. (W)	Power High Ch. (W)	Time-up time (dBm)	MPE (dB)
Channel									
Frequency (MHz)									
100	PL2-BPSK	1	1	19.25	19.28	19.23	19.23		
100	PL2-BPSK	1	137	19.25	19.33	19.33	19.33	20.8	0.0
100	PL2-BPSK	1	271	19.30	19.22	19.19	19.19		
100	PL2-BPSK	135	0	19.28	19.31	19.29	19.29	20.9	0.0
100	PL2-BPSK	135	89	19.30	19.34	19.30	19.30	20.8	0.0
100	PL2-BPSK	135	138	19.34	19.31	19.24	19.24	20.9	0.0
100	PL2-BPSK	270	0	19.34	19.36	19.19	19.19		
100	QPSK	1	1	19.38	19.44	19.32	19.32		
100	QPSK	1	137	19.28	19.39	19.24	19.24	20.8	0.0
100	QPSK	1	271	19.21	19.31	19.28	19.28		
100	QPSK	135	0	19.28	19.28	19.24	19.24	20.8	0.0
100	QPSK	135	89	19.25	19.35	19.12	19.12	20.8	0.0
100	QPSK	135	138	19.30	19.31	19.19	19.19	20.9	0.0
100	QPSK	270	0	19.25	19.31	19.17	19.17	20.9	0.0
100	SSB-AM	1	1	19.24	19.26	19.19	19.19	20.8	0.0
100	SSB-AM	1	1	19.19	19.24	19.21	19.21	20.8	0.0
100	SSB-AM	1	1	19.24	19.19	19.24	19.24	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.19	19.19	19.24	19.24	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.24	19.24	19.19	19.19	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.24	19.24	19.19	19.19	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.08	19.23	19.07	19.07	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.08	19.28	19.11	19.11	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.08	19.28	19.11	19.11	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.08	19.15	19.08	19.08	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.08	19.22	19.08	19.08	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.08	19.22	19.11	19.11	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.08	19.21	19.10	19.10	20.8	0.0

Par270 n77 DS13 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (W)	Power High Ch. (W)	Power High Ch. (W)	Power High Ch. (W)	Time-up time (dBm)	MPE (dB)
Channel									
Frequency (MHz)									
100	PL2-BPSK	1	1	22.72	22.83	22.73	22.73		
100	PL2-BPSK	1	137	22.73	22.73	22.82	22.82	24.0	0.0
100	PL2-BPSK	1	271	22.72	22.78	22.71	22.71		
100	PL2-BPSK	135	0	22.37	22.38	22.37	22.37	23.9	0.0
100	PL2-BPSK	135	89	22.40	22.41	22.40	22.40	24.0	0.0
100	PL2-BPSK	135	138	22.28	22.38	22.34	22.34	23.9	0.0
100	PL2-BPSK	270	0	22.33	22.45	22.35	22.35		
100	QPSK	1	1	22.74	22.83	22.73	22.73		
100	QPSK	1	137	22.65	22.84	22.68	22.68	24.0	0.0
100	QPSK	1	271	22.33	22.41	22.40	22.40		
100	QPSK	135	0	22.41	22.38	22.34	22.34	23.9	0.0
100	QPSK	135	89	22.70	22.67	22.84	22.84	24.0	0.0
100	QPSK	135	138	22.68	22.61	22.69	22.69	24.0	0.0
100	QPSK	270	0	22.30	22.11	22.02	22.02	24.0	0.0
100	SSB-AM	1	1	21.84	21.86	21.86	21.86	24.0	0.0
100	SSB-AM	1	1	20.24	20.33	20.30	20.30	23.9	0.0
100	SSB-AM	1	1	18.18	18.30	18.21	18.21	20.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.42	22.71	22.50	22.50	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.45	22.76	22.78	22.78	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.62	22.89	22.59	22.59	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.69	22.77	22.63	22.63	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.51	22.60	22.60	22.60	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.58	22.88	22.61	22.61	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.69	22.77	22.63	22.63	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.61	22.60	22.60	22.60	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.61	22.78	22.68	22.68	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.70	22.78	22.64	22.64	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.78	22.84	22.78	22.78	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.78	22.84	22.78	22.78	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.78	22.84	22.78	22.78	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.83	22.81	22.82	22.82	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.83	22.84	22.83	22.83	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.79	22.84	22.79	22.79	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.79	22.84	22.79	22.79	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.79	22.84	22.79	22.79	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.79	22.84	22.79	22.79	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.83	22.84	22.83	22.83	24.0	0.0

Par270 n77 PC2 Ant3 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (W)	Power High Ch. (W)	Power High Ch. (W)	Power High Ch. (W)	Time-up time (dBm)	MPE (dB)
Channel									
Frequency (MHz)									
100	PL2-BPSK	1	1	22.88	23.03	22.89	22.89		
100	PL2-BPSK	1	137	22.88	22.99	22.87	22.87	24.0	0.0
100	PL2-BPSK	1	271	22.79	22.89	22.79	22.79		
100	PL2-BPSK	135	0	22.88	23.02	22.84	22.84	24.0	0.0
100	PL2-BPSK	135	89	22.88	23.06	22.73	22.73	24.0	0.0
100	PL2-BPSK	135	138	22.80	22.83	22.75	22.75	24.0	0.0
100	PL2-BPSK	270	0	22.83	23.02	22.88	22.88		
100	QPSK	1	1	23.01	23.09	22.98	22.98		
100	QPSK	1	137	22.95	23.03	22.83	22.83	24.0	0.0
100	QPSK	1	271	22.88	23.06	22.81	22.81		
100	QPSK	135	0	22.84	22.85	22.83	22.83	24.0	0.0
100	QPSK	135	89	22.87	23.04	22.77	22.77	24.0	0.0
100	QPSK	135	138	22.84	22.77	22.84	22.77	24.0	0.0
100	QPSK	270	0	22.84	22.88	22.83	22.83	24.0	0.0
100	SSB-AM	1	1	22.88	23.02	22.73	22.73	24.0	0.0
100	SSB-AM	1	1	22.76	22.80	22.73	22.73	24.0	0.0
100	SSB-AM	1	1	21.77	21.83	21.71	21.71	23.9	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.81	22.80	22.81	22.81	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.82	22.89	22.78	22.78	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.77	22.88	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.83	22.81	22.82	22.82	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.83	22.84	22.83	22.83	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.79	22.84	22.79	22.79	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.79	22.84	22.79	22.79	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.79	22.84	22.79	22.79	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.83	22.84	22.83	22.83	24.0	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		
Frequency (MHz)				2548.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.51	17.67	17.49		
100	PI/2 BPSK	1	137	17.57	17.63	17.52	18.8	0.0
100	PI/2 BPSK	1	271	17.51	17.66	17.54		
100	PI/2 BPSK	135	0	17.61	17.66	17.54	18.8	0.0
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	18.8	0.0
100	PI/2 BPSK	270	0	17.62	17.66	17.47		
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	18.8	0.0
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	18.8	0.0
100	256QAM	1	1	17.46	17.53	17.44	18.8	0.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.30	17.33	17.29	18.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.30	17.42	17.36	18.8	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.40	17.37	17.40	18.8	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.30	17.39	17.30	18.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.29	17.33	17.36	18.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.36	17.42	17.31	18.8	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.30	17.39	17.32	18.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	QPSK	1	1	17.37	17.32	17.40	18.8	0.0



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				656000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.26	17.37	17.29			
100	PI/2 BPSK	1	137	17.26	17.38	17.31	18.8	0.0	
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			
100	QPSK	1	1	17.41	17.53	17.38			
100	QPSK	1	137	17.33	17.46	17.21	18.8	0.0	
100	QPSK	1	271	17.27	17.44	17.25			
100	QPSK	135	0	17.27	17.37	17.29	18.8	0.0	
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			
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				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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						633334			
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1	17.54	17.71	17.59			
100	PI/2 BPSK	1	137	17.53	17.69	17.58	18.8	0.0	
100	PI/2 BPSK	1	271	17.49	17.72	17.55			
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			
100	QPSK	1	1	17.65	17.80	17.67			
100	QPSK	1	137	17.49	17.68	17.54	18.8	0.0	
100	QPSK	1	271	17.49	17.65	17.51			
100	QPSK	135	0	17.59	17.72	17.59	18.8	0.0	
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			
100	16QAM	1	1	17.51	17.74	17.55	18.8	0.0	
100	64QAM	1	1	17.55	17.65	17.52	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			
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			
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			
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			
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			
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			
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			
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			
20	QPSK	1	1	17.24	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			
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			
10	QPSK	1	1	17.37	17.46	17.46	18.8	0.0	



Part27O n78 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				65000	65000	65000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	17.18	17.26	17.20			
100	PI/2 BPSK	1	137	17.19	17.33	17.16	18.8	0.0	
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	3760			
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 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						63334			
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1	17.50	17.60	17.45			
100	PI/2 BPSK	1	137	17.43	17.63	17.44	18.8	0.0	
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	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	17.36	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	17.23	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			
Frequency (MHz)				3750	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	15.7	0.0	
100	PI/2 BPSK	1	271	14.68	14.89	14.73			
100	PI/2 BPSK	135	0	14.65	14.90	14.78	15.7	0.0	
100	PI/2 BPSK	135	69	14.61	14.81	14.78	15.7	0.0	
100	PI/2 BPSK	135	138	14.61	14.88	14.80	15.7	0.0	
100	PI/2 BPSK	270	0	14.64	14.82	14.75			
100	QPSK	1	1	14.76	14.86	14.86			
100	QPSK	1	137	14.72	14.88	14.78	15.7	0.0	
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	15.7	0.0	
100	QPSK	135	138	14.64	14.90	14.79	15.7	0.0	
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	15.7	0.0	
100	256QAM	1	1	14.60	14.89	14.82	15.7	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
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			
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			
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			
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			
50	QPSK	1	1	14.57	14.76	14.88	15.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
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			
30	QPSK	1	1	14.53	14.75	14.88	15.7	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	14.57	14.75	14.83	15.7	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
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			
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						633334			
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1	14.63	14.77	14.68			
100	PI/2 BPSK	1	137	14.70	14.71	14.65	15.7	0.0	
100	PI/2 BPSK	1	271	14.61	14.70	14.59			
100	PI/2 BPSK	135	0	14.62	14.71	14.61	15.7	0.0	
100	PI/2 BPSK	135	69	14.64	14.69	14.66	15.7	0.0	
100	PI/2 BPSK	135	138	14.63	14.74	14.67	15.7	0.0	
100	PI/2 BPSK	270	0	14.62	14.77	14.64			
100	QPSK	1	1	14.75	14.84	14.72			
100	QPSK	1	137	14.68	14.76	14.66	15.7	0.0	
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	15.7	0.0	
100	QPSK	135	138	14.66	14.62	14.65	15.7	0.0	
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	15.7	0.0	
100	256QAM	1	1	14.70	14.71	14.67	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	14.55	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			
80	QPSK	1	1	14.60	14.66	14.49	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	14.50	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			
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			
50	QPSK	1	1	14.65	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			
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			
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			
20	QPSK	1	1	14.56	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			
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			
10	QPSK	1	1	14.52	14.66	14.50	15.7	0.0	



Part270 n78 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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
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				649000	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	14.80	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 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					633334			
Frequency (MHz)					3500.01			
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	14.56	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 Line Ch. F/Freq	Power Main Ch. F/Freq	Power High Ch. F/Freq	Time-up (ms)	MPR (dB)	
Channel									
Frequency (MHz)				1800	1800	1800			
20	PUSBPSK	1	1	18.07	18.04	18.12			
20	PUSBPSK	1	53	18.11	18.24	18.00	20.3	0.0	
20	PUSBPSK	1	104	18.08	18.24	18.12			
20	PUSBPSK	50	0	18.10	18.23	18.00	20.3	0.0	
20	PUSBPSK	50	50	18.11	18.24	18.08	20.3	0.0	
20	PUSBPSK	50	100	18.08	18.21	18.12			
20	PUSBPSK	100	0	18.05	18.21	18.10	20.3	0.0	
20	QPSK	1	1	18.30	18.25	18.20			
20	QPSK	1	50	18.08	18.21	18.00	20.3	0.0	
20	QPSK	1	104	18.08	18.22	18.12			
20	QPSK	50	0	18.08	18.21	18.11	20.3	0.0	
20	QPSK	50	50	18.05	18.21	18.10	20.3	0.0	
20	QPSK	50	100	18.10	18.23	18.11	20.3	0.0	
20	HQAM	1	1	18.10	18.23	18.12	20.3	0.0	
20	HQAM	1	1	18.09	18.22	18.08	20.3	0.0	
20	SSBQAM	1	1	18.10	18.10	18.08	20.3	0.0	
Channel									
271500				371500	380500		Time-up (ms)	MPR	
18	QPSK	1	1	18.11	18.10	18.03	20.3	0.0	
Channel									
371500				371500	381000		Time-up (ms)	MPR	
18	QPSK	1	1	18.25	18.31	18.17	20.3	0.0	
Channel									
380500				1800	1800	1800			
Frequency (MHz)				1800	1800	1800			
8	QPSK	1	1	18.14	18.23	18.10	20.3	0.0	

n5 Ant0 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. F/Freq	Power Main Ch. F/Freq	Power High Ch. F/Freq	Time-up (ms)	MPR (dB)	
Channel									
Frequency (MHz)				854	848.5	850			
20	PUSBPSK	1	1	23.20	23.26	23.25			
20	PUSBPSK	1	50	23.15	23.23	23.11	24.0	0.0	
20	PUSBPSK	1	104	23.27	23.11	23.04			
20	PUSBPSK	50	0	23.21	23.26	23.26	24.0	0.0	
20	PUSBPSK	50	50	23.18	23.28	23.15	24.0	0.0	
20	PUSBPSK	50	100	23.15	23.22	23.11	24.0	0.0	
20	PUSBPSK	100	0	23.11	23.28	23.25			
20	QPSK	1	1	23.40	23.45	23.30			
20	QPSK	1	50	23.11	23.22	23.12	24.0	0.0	
20	QPSK	1	104	23.02	23.11	22.97			
20	QPSK	50	0	23.20	23.24	23.25	24.0	0.0	
20	QPSK	50	50	23.25	23.28	23.24	24.0	0.0	
20	QPSK	50	100	23.11	23.26	23.18	24.0	0.0	
20	HQAM	1	1	23.20	23.41	23.32	24.0	0.0	
20	HQAM	1	1	23.12	23.40	23.42	24.0	0.0	
20	SSBQAM	1	1	23.10	23.11	23.07	20.5	1.5	
Channel									
165300				165300	165300		Time-up (ms)	MPR	
15	QPSK	1	1	23.20	23.34	23.20	24.0	0.0	
Channel									
165300				165300	165300		Time-up (ms)	MPR	
10	QPSK	1	1	23.20	23.29	23.18	24.0	0.0	
Channel									
165300				848.5	848.5	848.5			
Frequency (MHz)				848.5	848.5	848.5			
8	QPSK	1	1	23.20	23.17	23.20	24.0	0.0	

n7 Ant0 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. F/Freq	Power Main Ch. F/Freq	Power High Ch. F/Freq	Time-up (ms)	MPR (dB)	
Channel									
Frequency (MHz)				2320	2335	2350			
40	PUSBPSK	1	1	20.04	20.03	20.12			
40	PUSBPSK	1	108	20.10	20.01	20.11	22.1	0.0	
40	PUSBPSK	1	214	20.02	20.07	20.14			
40	PUSBPSK	108	0	20.02	20.00	20.11	22.1	0.0	
40	PUSBPSK	108	54	20.09	20.04	20.10	22.1	0.0	
40	PUSBPSK	108	108	20.04	20.06	20.11	22.1	0.0	
40	PUSBPSK	216	0	20.01	20.04	20.11	22.1	0.0	
40	QPSK	1	1	20.11	20.08	20.03			
40	QPSK	1	108	20.09	20.00	20.10	22.1	0.0	
40	QPSK	1	214	20.00	20.03	20.10			
40	QPSK	108	0	20.02	20.01	20.04	22.1	0.0	
40	QPSK	108	54	20.01	20.00	20.10	22.1	0.0	
40	QPSK	108	108	20.08	20.00	20.00	22.1	0.0	
40	QPSK	216	0	20.00	20.02	20.10	22.1	0.0	
40	HQAM	1	1	20.00	20.02	20.10	22.1	0.0	
40	HQAM	1	1	20.00	20.04	20.10	22.1	0.0	
40	SSBQAM	1	1	19.98	19.92	19.93	20.5	1.8	
Channel									
503000				503000	511000		Time-up (ms)	MPR	
30	PUSBPSK	1	1	20.04	20.10	20.00	22.1	0.0	
Channel									
503000				503000	511000		Time-up (ms)	MPR	
25	PUSBPSK	1	1	20.00	20.01	20.00	22.1	0.0	
Channel									
503000				2335	2335	2350			
Frequency (MHz)				2335	2335	2350			
40	QPSK	1	1	20.07	20.10	20.00	22.1	0.0	
Channel									
503000				503000	512500		Time-up (ms)	MPR	
15	QPSK	1	1	20.10	20.00	20.00	22.1	0.0	
Channel									
503000				503000	513000		Time-up (ms)	MPR	
10	QPSK	1	1	20.00	20.00	20.00	22.1	0.0	
Channel									
503000				503000	513500		Time-up (ms)	MPR	
5	QPSK	1	1	20.00	20.00	20.00	22.1	0.0	

n66 Ant0 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. F/Freq	Power Main Ch. F/Freq	Power High Ch. F/Freq	Time-up (ms)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	PUSBPSK	1	1	18.02	18.10	18.00			
40	PUSBPSK	1	108	18.08	18.11	18.01	18.8	0.0	
40	PUSBPSK	1	214	18.07	18.18	18.00			
40	PUSBPSK	108	0	18.05	18.10	18.01	18.8	0.0	
40	PUSBPSK	108	54	18.03	18.14	18.00	18.8	0.0	
40	PUSBPSK	108	108	18.07	18.18	18.00	18.8	0.0	
40	PUSBPSK	216	0	18.00	18.13	18.00	18.8	0.0	
40	QPSK	1	1	18.14	18.23	18.05			
40	QPSK	1	108	18.06	18.18	18.01	18.8	0.0	
40	QPSK	1	214	18.07	18.08	18.02			
40	QPSK	108	0	18.01	18.09	18.00	18.8	0.0	
40	QPSK	108	54	18.05	18.10	18.00	18.8	0.0	
40	QPSK	108	108	18.09	18.15	18.07	18.8	0.0	
40	HQAM	1	1	18.08	18.11	18.00	18.8	0.0	
40	HQAM	1	1	18.07	18.18	18.04	18.8	0.0	
Channel									
340000				340000	353000		Time-up (ms)	MPR	
30	PUSBPSK	1	1	17.02	17.05	17.07	18.8	0.0	
Channel									
340000				340000	353000		Time-up (ms)	MPR	
30	QPSK	1	1	17.02	17.08	17.03	18.8	0.0	
Channel									
340000				340000	354000		Time-up (ms)	MPR	
15	QPSK	1	1	17.07	17.00	17.03	18.8	0.0	
Channel									
340000				340000	355000		Time-up (ms)	MPR	
10	QPSK	1	1	17.03	17.00	17.00	18.8	0.0	
Channel									
340000				340000	355500		Time-up (ms)	MPR	
5	QPSK	1	1	17.06	17.00	17.02	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				507202	518598	528000		
Frequency (MHz)				2548.01	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	22.2	0.0
100	PI/2 BPSK	1	271	21.08	21.18	21.01		
100	PI/2 BPSK	135	0	21.08	21.13	20.97	22.2	0.0
100	PI/2 BPSK	135	69	21.07	21.19	20.99	22.2	0.0
100	PI/2 BPSK	135	138	21.05	21.15	20.95	22.2	0.0
100	PI/2 BPSK	270	0	21.09	21.16	20.99		
100	QPSK	1	1	21.15	21.24	21.06		
100	QPSK	1	137	21.03	21.13	20.91	22.2	0.0
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	22.2	0.0
100	QPSK	135	138	21.06	21.15	20.97	22.2	0.0
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	21.06	21.10	20.97	22.2	0.0
100	256QAM	1	1	21.08	21.19	20.91	22.2	0.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.96	21.00	20.83	22.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.00	20.99	20.89	22.2	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.04	20.97	20.85	22.2	0.0
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.02	21.03	20.90	22.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.02	21.02	20.80	22.2	0.0
Channel				508202	518598	534000	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	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.05	20.95	20.83	22.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.01	21.04	20.85	22.2	0.0



n2 Ant1 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
20	PUSBPSK	1	1	18.15	18.20	18.15			
20	PUSBPSK	1	33	18.13	18.20	18.14	17.5	0.0	
20	PUSBPSK	1	55	18.24	18.24	18.09			
20	PUSBPSK	50	0	18.18	18.20	18.09	17.5	0.0	
20	PUSBPSK	50	20	18.20	18.20	18.09	17.5	0.0	
20	PUSBPSK	50	56	18.15	18.20	18.15	17.0	0.0	
20	PUSBPSK	100	0	18.16	18.19	18.10			
20	QPSK	1	1	18.20	18.23	18.20	17.5	0.0	
20	QPSK	1	33	18.18	18.24	18.18	17.5	0.0	
20	QPSK	1	104	18.20	18.16	18.06			
20	QPSK	50	0	18.15	18.23	18.08	17.5	0.0	
20	QPSK	50	28	18.22	18.21	18.07	17.5	0.0	
20	QPSK	50	56	18.21	18.20	18.08	17.5	0.0	
20	QPSK	100	0	18.20	18.22	18.07			
20	16QAM	1	1	18.16	18.20	18.14	17.0	0.0	
20	16QAM	1	1	18.22	18.23	18.15	17.5	0.0	
20	256QAM	1	1	18.24	18.17	18.09	17.5	0.0	
20	Channel			18.15	18.00	18.00			
20	Frequency (MHz)			1807.3	1809	1807.3			
10	QPSK	1	1	18.13	18.14	18.09	17.5	0.0	
10	Channel			18.15	18.00	18.00			
10	Frequency (MHz)			1810	1808	1810			
10	QPSK	1	1	18.17	18.15	18.09	17.5	0.0	
10	Channel			18.15	18.00	18.00			
10	Frequency (MHz)			1812.5	1810	1812.5			
5	QPSK	1	1	18.14	18.13	18.11	17.0	0.0	

n5 Ant1 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
20	PUSBPSK	1	1	23.04	23.11	23.01			
20	PUSBPSK	1	33	22.85	22.94	22.86	24.0	0.0	
20	PUSBPSK	1	104	22.93	22.87	22.85			
20	PUSBPSK	50	0	23.04	23.11	23.00	24.0	0.0	
20	PUSBPSK	50	28	22.84	22.86	22.86	24.0	0.0	
20	PUSBPSK	50	56	22.83	22.88	22.87	24.0	0.0	
20	PUSBPSK	100	0	22.85	23.03	22.86			
20	QPSK	1	1	23.14	23.16	23.06			
20	QPSK	1	33	22.82	22.95	22.87	24.0	0.0	
20	QPSK	1	104	22.74	22.86	22.70			
20	QPSK	50	0	22.83	23.03	22.85	24.0	0.0	
20	QPSK	50	28	22.85	22.90	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	16QAM	1	1	23.00	23.00	23.00	24.0	0.0	
20	16QAM	1	1	23.05	23.12	23.05	22.5	1.5	
20	256QAM	1	1	23.24	23.08	23.19	20.5	0.5	
20	Channel			23.00	23.00	23.00			
20	Frequency (MHz)			811.3	808.5	811.3			
10	QPSK	1	1	23.07	23.10	23.00	24.0	0.0	
10	Channel			23.00	23.00	23.00			
10	Frequency (MHz)			812	810	812			
10	QPSK	1	1	23.05	23.03	22.97	24.0	0.0	
10	Channel			23.00	23.00	23.00			
10	Frequency (MHz)			812.5	810.5	812.5			
5	QPSK	1	1	23.10	23.08	22.96	24.0	0.0	

n7 Ant1 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
40	PUSBPSK	1	1	18.15	18.17	18.20			
40	PUSBPSK	1	108	18.07	18.23	18.21	17.4	0.0	
40	PUSBPSK	1	214	18.06	18.18	18.07			
40	PUSBPSK	108	0	18.10	18.18	18.01	17.4	0.0	
40	PUSBPSK	108	54	18.18	18.24	18.01	17.4	0.0	
40	PUSBPSK	108	108	18.08	18.16	18.00	17.4	0.0	
40	PUSBPSK	216	0	18.17	18.17	18.20			
40	QPSK	1	1	18.21	18.20	18.20			
40	QPSK	1	108	18.05	18.23	18.21	17.4	0.0	
40	QPSK	1	214	18.23	18.16	18.20			
40	QPSK	108	0	18.13	18.16	18.00	17.4	0.0	
40	QPSK	108	54	18.09	18.20	18.13	17.4	0.0	
40	QPSK	108	108	18.11	18.22	18.06	17.4	0.0	
40	QPSK	216	0	18.09	18.21	18.15	17.4	0.0	
40	16QAM	1	1	18.23	18.11	18.21	17.4	0.0	
40	16QAM	1	1	18.16	18.01	18.01	17.4	0.0	
40	256QAM	1	1	18.08	18.04	18.01	17.4	0.0	
40	Channel			18.00	18.00	18.00			
40	Frequency (MHz)			2515	2533	2525			
20	PUSBPSK	1	1	18.07	18.11	18.03	17.4	0.0	
20	Channel			18.10	18.10	18.10			
20	Frequency (MHz)			2512.5	2510	2512.5			
25	PUSBPSK	1	1	18.07	18.01	18.20	17.4	0.0	
25	Channel			18.00	18.00	18.00			
25	Frequency (MHz)			2520	2530	2520			
20	QPSK	1	1	18.06	18.00	18.20	17.4	0.0	
20	Channel			18.00	18.00	18.00			
20	Frequency (MHz)			2515.5	2515	2515.5			
15	QPSK	1	1	18.07	18.03	18.21	17.4	0.0	
15	Channel			18.00	18.00	18.00			
15	Frequency (MHz)			2505	2533	2505			
10	QPSK	1	1	18.03	18.00	18.00	17.4	0.0	
10	Channel			18.00	18.00	18.00			
10	Frequency (MHz)			2502.5	2533	2502.5			
5	QPSK	1	1	18.07	18.03	18.00	17.4	0.0	

n66 Ant1 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
40	PUSBPSK	1	1	18.37	18.41	18.28			
40	PUSBPSK	1	108	18.28	18.41	18.30	18.8	0.0	
40	PUSBPSK	1	214	18.27	18.31	18.21			
40	PUSBPSK	108	0	18.30	18.40	18.22	18.8	0.0	
40	PUSBPSK	108	54	18.31	18.40	18.20	18.8	0.0	
40	PUSBPSK	108	108	18.30	18.30	18.20	18.8	0.0	
40	PUSBPSK	216	0	18.37	18.40	18.27			
40	QPSK	1	1	18.42	18.35	18.28			
40	QPSK	1	108	18.31	18.44	18.21	18.8	0.0	
40	QPSK	1	214	18.31	18.30	18.20			
40	QPSK	108	0	18.30	18.30	18.25	18.8	0.0	
40	QPSK	108	54	18.30	18.40	18.27	18.8	0.0	
40	QPSK	108	108	18.27	18.40	18.20	18.8	0.0	
40	QPSK	216	0	18.30	18.40	18.27	18.8	0.0	
40	16QAM	1	1	18.36	18.47	18.27	18.8	0.0	
40	16QAM	1	1	18.27	18.48	18.27	18.8	0.0	
40	256QAM	1	1	18.32	18.42	18.25	18.8	0.0	
40	Channel			18.00	18.00	18.00			
40	Frequency (MHz)			1725	1745	1735			
20	PUSBPSK	1	1	18.33	18.41	18.27	18.8	0.0	
20	Channel			18.00	18.00	18.00			
20	Frequency (MHz)			1730	1740	1730			
20	QPSK	1	1	18.20	18.30	18.15	18.8	0.0	
20	Channel			18.00	18.00	18.00			
20	Frequency (MHz)			1725.5	1735	1725.5			
15	QPSK	1	1	18.21	18.41	18.18	18.8	0.0	
15	Channel			18.00	18.00	18.00			
15	Frequency (MHz)			1735	1740	1735			
10	QPSK	1	1	18.20	18.32	18.13	18.8	0.0	
10	Channel			18.00	18.00	18.00			
10	Frequency (MHz)			1732.5	1740	1732.5			
5	QPSK	1	1	18.24	18.32	18.18	18.8	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		
Frequency (MHz)				2516.01	2592.99	2670		
100	PI/2 BPSK	1	1	16.29	16.31	16.25		
100	PI/2 BPSK	1	137	16.30	16.33	16.24	17.7	0.0
100	PI/2 BPSK	1	271	16.29	16.41	16.28		
100	PI/2 BPSK	135	0	16.31	16.36	16.32	17.7	0.0
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	16.46	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	17.7	0.0
100	QPSK	135	138	16.24	16.32	16.29		
100	QPSK	270	0	16.26	16.32	16.31	17.7	0.0
100	16QAM	1	1	16.33	16.43	16.25	17.7	0.0
100	64QAM	1	1	16.31	16.38	16.32	17.7	0.0
100	256QAM	1	1	16.25	16.35	16.30	17.7	0.0
Channel				509200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.14	16.22	16.19	17.7	0.0
Channel				507204	518598	529998		
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	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.15	16.25	16.14	17.7	0.0
Channel				505200	518598	531996		
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		
50	QPSK	1	1	16.16	16.24	16.15	17.7	0.0
Channel				503202	518598	534000		
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		
30	QPSK	1	1	16.17	16.22	16.20	17.7	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.16	16.22	16.17	17.7	0.0



Par270 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				656000	656000	662000			
Frequency (MHz)				3753	3840	3933			
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	18.84	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	18.16	18.90	20.5	0.0	
100	64QAM	1	1	18.92	18.23	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	664934	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				633000	633334	633668			
Frequency (MHz)				3500.01	3500.01	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	19.16			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	18.23			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 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				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	20.5	0.0	
100	PI/2 BPSK	270	0	18.87	19.14	18.71			
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	18.76	18.99	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 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						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			18.16	20.5	0.0	
100	256QAM	1	1			19.05	20.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	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 (dB)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	19.01	19.19	19.01	20.5	0.0	



n41 PC2&PC3 Ant3 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Mean Ch. Freq. (MHz)	Time-up time (min)	MFR (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1	20.20	20.20	20.20		
100	PI2-BPSK	1	137	20.22	20.22	20.22	21.3	0.0
100	PI2-BPSK	1	271	20.22	20.24	20.23		
100	PI2-BPSK	135	0	20.22	20.33	20.22	21.3	0.0
100	PI2-BPSK	135	138	20.22	20.36	20.29	21.3	0.0
100	PI2-BPSK	135	138	20.20	20.30	20.25	21.3	0.0
100	PI2-BPSK	270	0	20.22	20.36	20.19		
100	QPSK	1	1	20.30	20.41	20.32		
100	QPSK	1	137	20.20	20.30	20.25	21.3	0.0
100	QPSK	1	271	20.20	20.36	20.22		
100	QPSK	135	0	20.27	20.31	20.23	21.3	0.0
100	QPSK	135	89	20.20	20.37	20.21	21.3	0.0
100	QPSK	135	138	20.27	20.31	20.18	21.3	0.0
100	QPSK	270	0	20.20	20.31	20.20	21.3	0.0
100	8QAM	1	1	20.10	20.36	20.16	21.3	0.0
100	8QAM	1	1	20.20	20.30	20.25	21.3	0.0
100	256QAM	1	1	20.21	20.30	20.25	21.3	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.23	20.11	20.16	21.3	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.18	20.24	20.14	21.3	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.10	20.16	20.12	21.3	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.14	20.24	20.12	21.3	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.10	20.17	20.10	21.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.11	20.02	20.03	21.3	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.10	20.10	20.10	21.3	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.10	20.20	20.12	21.3	0.0

Par270 n77 PC3 Ant3 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Mean Ch. Freq. (MHz)	Time-up time (min)	MFR (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1	22.12	22.03	22.07		
100	PI2-BPSK	1	137	22.13	22.13	22.12	24.0	0.0
100	PI2-BPSK	1	271	22.12	22.16	22.11		
100	PI2-BPSK	135	0	22.07	22.38	22.21	23.3	0.0
100	PI2-BPSK	135	138	22.08	22.31	22.16	23.3	0.0
100	PI2-BPSK	135	138	22.08	22.38	22.24	23.3	0.0
100	PI2-BPSK	270	0	22.03	22.45	22.20		
100	QPSK	1	1	22.14	22.03	22.07		
100	QPSK	1	137	22.05	22.34	22.19	24.0	0.0
100	QPSK	1	271	22.10	22.01	22.05		
100	QPSK	135	0	22.01	22.08	22.04	24.0	0.0
100	QPSK	135	89	22.10	22.07	22.04	24.0	0.0
100	QPSK	135	138	22.05	22.01	22.02	24.0	0.0
100	QPSK	270	0	22.10	22.11	22.02	24.0	0.0
100	8QAM	1	1	21.94	21.86	21.88	24.0	0.0
100	8QAM	1	1	20.24	20.33	20.26	21.3	0.0
100	256QAM	1	1	18.18	18.30	18.21	19.5	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.12	22.11	22.10	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.05	22.16	22.07	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.02	22.09	22.05	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.09	22.17	22.03	24.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.03	22.08	22.01	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.10	22.00	22.02	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.04	22.06	22.04	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.00	22.08	22.04	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.01	22.04	22.02	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.02	22.00	22.01	24.0	0.0

Par270 n77 PC2 Ant3 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Mean Ch. Freq. (MHz)	Time-up time (min)	MFR (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1	24.34	24.42	24.35		
100	PI2-BPSK	1	137	24.33	24.38	24.32	25.4	0.0
100	PI2-BPSK	1	271	24.36	24.37	24.36		
100	PI2-BPSK	135	0	24.29	24.34	24.29	25.4	0.0
100	PI2-BPSK	135	138	24.35	24.42	24.35	25.4	0.0
100	PI2-BPSK	135	138	24.30	24.37	24.31	25.4	0.0
100	PI2-BPSK	270	0	24.31	24.41	24.24		
100	QPSK	1	1	24.42	24.48	24.42		
100	QPSK	1	137	24.37	24.42	24.35	25.4	0.0
100	QPSK	1	271	24.34	24.36	24.32		
100	QPSK	135	0	24.37	24.44	24.34	25.4	0.0
100	QPSK	135	89	24.28	24.40	24.25	25.4	0.0
100	QPSK	135	138	24.27	24.42	24.21	25.4	0.0
100	QPSK	270	0	24.28	24.30	24.25	25.4	0.0
100	8QAM	1	1	24.38	24.32	24.27	25.4	0.0
100	8QAM	1	1	20.24	20.33	20.26	21.3	0.0
100	256QAM	1	1	18.18	18.30	18.21	19.5	2.4
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.33	24.32	24.31	25.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.24	24.23	24.21	25.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.22	24.22	24.20	25.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.21	24.28	24.13	25.4	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.22	24.27	24.17	25.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.23	24.21	24.21	25.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.22	24.20	24.21	25.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.24	24.32	24.11	25.4	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.31	24.23	24.22	25.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.21	24.32	24.22	25.4	0.0



Part27Q n77 PC3 Ant3 DS13 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mean, Power Max, Time-up time (dBm), MPR (dB). Rows include various modulation schemes like PLO-BPSK, QPSK, and 16QAM at different power levels and bandwidths.

Part27Q n77 PC2 Ant3 DS13 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mean, Power Max, Time-up time (dBm), MPR (dB). Rows include various modulation schemes like PLO-BPSK, QPSK, and 16QAM at different power levels and bandwidths.

Part27O n78 PC3 Ant3 DS13 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mean, Power Max, Time-up time (dBm), MPR (dB). Rows include various modulation schemes like PLO-BPSK, QPSK, and 16QAM at different power levels and bandwidths.

Part27O n78 PC2 Ant3 DS13 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mean, Power Max, Time-up time (dBm), MPR (dB). Rows include various modulation schemes like PLO-BPSK, QPSK, and 16QAM at different power levels and bandwidths.



n41 PC3&PC2 Ant3 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Max. Ch. Power (dBm)	Power Min. Ch. Power (dBm)	Time-up time (min)	MPE (dB)
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	271	19.30	19.22	19.19			
100	PL2 BPSK	135	0	19.28	19.31	19.20		20.9	0.0
100	PL2 BPSK	135	89	19.30	19.34	19.18		20.8	0.0
100	PL2 BPSK	135	138	19.14	19.31	19.24		20.9	0.0
100	PL2 BPSK	270	0	19.34	19.36	19.19		20.9	0.0
100	QPSK	1	1	19.38	19.44	19.32			
100	QPSK	1	137	19.28	19.39	19.24		20.8	0.0
100	QPSK	1	271	19.21	19.31	19.28			
100	QPSK	135	0	19.28	19.28	19.24		20.8	0.0
100	QPSK	135	89	19.25	19.35	19.12		20.8	0.0
100	QPSK	135	138	19.18	19.31	19.18		20.9	0.0
100	QPSK	270	0	19.28	19.31	19.17		20.9	0.0
100	SSB-AM	1	1	19.28	19.26	19.19		20.8	0.0
100	SSB-AM	1	1	19.19	19.24	19.21		20.8	0.0
100	SSB-AM	1	1	19.24	19.18	19.24		20.8	0.0
Channel									
Frequency (MHz)									
2541.1									
2542.99									
2544.98									
Channel									
Frequency (MHz)									
567284									
567288									
567292									
567296									
567300									
567304									
567308									
567312									
567316									
567320									
567324									
567328									
567332									
567336									
567340									
567344									
567348									
567352									
567356									
567360									
567364									
567368									
567372									
567376									
567380									
567384									
567388									
567392									
567396									
567400									
567404									
567408									
567412									
567416									
567420									
567424									
567428									
567432									
567436									
567440									
567444									
567448									
567452									
567456									
567460									
567464									
567468									
567472									
567476									
567480									
567484									
567488									
567492									
567496									
567500									
567504									
567508									
567512									
567516									
567520									
567524									
567528									
567532									
567536									
567540									
567544									
567548									
567552									
567556									
567560									
567564									
567568									
567572									
567576									
567580									
567584									
567588									
567592									
567596									
567600									
567604									
567608									
567612									
567616									
567620									
567624									
567628									
567632									
567636									
567640									
567644									
567648									
567652									
567656									
567660									
567664									
567668									
567672									
567676									
567680									
567684									
567688									
567692									
567696									
567700									
567704									
567708									
567712									
567716									
567720									
567724									
567728									
567732									
567736									
567740									
567744									
567748									
567752									
567756									
567760									
567764									
567768									
567772									
567776									
567780									
567784									
567788									
567792									
567796									
567800									
567804									
567808									
567812									
567816									
567820									
567824									
567828									
567832									
567836									
567840									
567844									
567848									
567852									
567856									
567860									
567864									
567868									
567872									
567876									
567880									
567884									
567888									
567892									
567896									
567900									
567904									
567908									
567912									
567916									
567920									
567924									
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567932									
567936									
567940									
567944									
567948									
567952									
567956									
567960									
567964									
567968									
567972									
567976									
567980									
567984									
567988									
567992									
567996									
568000									

Par270 n77 DS13 Simultaneous ANT3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Max. Ch. Power (dBm)	Power Min. Ch. Power (dBm)	Time-up time (min)	MPE (dB)
100	PL2 BPSK	1	1	22.22	22.83	22.73		24.0	0.0
100	PL2 BPSK	1	137	22.27	22.73	22.62			
100	PL2 BPSK	1	271	22.22	22.78	22.71			
100	PL2 BPSK	135	0	22.27	22.38	22.21		23.3	0.0
100	PL2 BPSK	135	89	22.28	22.81	22.68		24.0	0.0
100	PL2 BPSK	135	138	22.28	22.38	22.24		23.3	0.0
100	PL2 BPSK	270	0	22.23	22.45	22.35		23.3	0.0
100	QPSK	1	1	22.24	22.83	22.71			
100	QPSK	1	137	22.25	22.84	22.69		24.0	0.0
100	QPSK	1	271	22.23	22.81	22.68			
100	QPSK	135	0	22.27	22.88	22.74		23.0	0.0
100	QPSK	135	89	22.28	22.87	22.84		24.0	0.0
100	QPSK	135	138	22.28	22.80	22.65		23.0	0.0
100	QPSK	270	0	22.20	22.11	22.02		23.0	0.0
100	SSB-AM	1	1	22.24	22.86	22.78		24.0	0.0
100	SSB-AM	1	1	20.24	20.33	20.30		21.5	2.0
100	SSB-AM	1	1	18.18	18.30	18.21		19.5	4.5
Channel									
Frequency (MHz)									
3745.02									
3840									
3935.01									
Channel									
Frequency (MHz)									
567312									
567316									
567320									
567324									
567328									
567332									
567336									
567340									
567344									
567348									
567352									
567356									
567360									
567364									
567368									
567372									
567376									
567380									
567384									
567388									
567392									
567396									
567400									
567404									
567408									
567412									
567416									
567420									
567424									
567428									
567432									
567436									
567440									
567444									
567448									
567452									
567456									
567460									
567464									
567468									
567472									
567476									
567480									
567484									
567488									
567492									
567496									
567500									
567504									
567508									
567512									
567516									
567520									
567524									
567528									
567532									
567536									
567540									
567544									
567548									
567552									
567556									
567560									
567564									
567568									
567572									
567576									
567580									
567584									
567588									
567592									
567596									
567600									
567604									
567608									
567612									
567616									
567620									
567624									
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567632									
567636									
567640									
567644									
567648									
567652									
567656									
567660									
567664									
567668									
567672									
567676									
567680									
567684									
567688									
567692									
567696									
567700									
567704									
567708									
567712									
567716									
567720									
567724									
567728									
567732									
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567744									
567748									
567752									
567756									
567760									
567764									
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567772									
567776									
567780									
567784									
567788									
567792									
567796									
567800									
567804									
567808									
567812									
567816									
567820									
567824									
567828									
567832									
567836									
567840									
567844									
567848									
567852									
567856									
567860									
567864									
567868									
567872									
567876									
567880									
567884									
567888									
567892									
567896									
567900									
567904									
567908									
567912									
567916									
567920									
567924									
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567936									
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567948									
567952									
567956									
567960									
567964									
567968									
567972									
567976									
567980									
567984									
567988									
567992									
567996									
568000									

Par270 n77 PC2 Ant3 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Max. Ch. Power (dBm)	Power Min. Ch. Power (dBm)	Time-up time (min)	MPE (dB)
100	PL2 BPSK	1	1						



Part27Q n77 DS13 Simultaneous ANT3

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Max, Power Min, Turn-up loss, MPR (dB). Rows include various modulation schemes like P102 BPSK, QPSK, 16QAM, 256QAM.

Part27Q n77 PC2 Ant3 DS13 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Max, Power Min, Turn-up loss, MPR (dB). Rows include various modulation schemes like P102 BPSK, QPSK, 16QAM, 256QAM.

Part27O n78 DS13 Simultaneous ANT3

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Max, Power Min, Turn-up loss, MPR (dB). Rows include various modulation schemes like P102 BPSK, QPSK, 16QAM, 256QAM.

Part27O n78 PC2 Ant3 DS13 Simultaneous

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Max, Power Min, Turn-up loss, MPR (dB). Rows include various modulation schemes like P102 BPSK, QPSK, 16QAM, 256QAM.



Part27Q n78 DS13 Simultaneous ANT3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak	Power Max Ch. 1 Peak	Power High Ch. 1 Peak	MPE (dB)
Channel							
Frequency (MHz)							
100	PLC BPSK	1	1	23.02			
100	PLC BPSK	1	137	23.02		24.0	0.0
100	PLC BPSK	1	271	23.02			
100	PLC BPSK	135	0	23.02		23.5	0.5
100	PLC BPSK	135	86	23.02		24.0	0.0
100	PLC BPSK	135	174	23.02			
100	PLC BPSK	270	0	23.02		23.5	0.5
100	QPSK	1	1	23.12			
100	QPSK	1	137	23.12		24.0	0.0
100	QPSK	1	271	23.12			
100	QPSK	135	0	23.12		24.0	0.0
100	QPSK	135	86	23.12		24.0	0.0
100	QPSK	135	174	23.12		24.0	0.0
100	QPSK	270	0	23.12		24.0	0.0
100	16QAM	1	1	23.52		24.0	0.0
100	16QAM	1	1	23.81		23.5	2.5
100	256QAM	1	1	18.87		17.5	4.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	83.000	83.000	83.000	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.07	22.07	22.07	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.56	22.56	22.56	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.36	22.36	22.36	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.37	22.37	22.37	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.38	22.38	22.38	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.37	22.37	22.37	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.31	22.31	22.31	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.37	22.37	22.37	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.35	22.35	22.35	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.32	22.32	22.32	0.0

Part27Q n78 PC2 Ant3 DS13 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Peak	Power Max Ch. 1 Peak	Power High Ch. 1 Peak	MPE (dB)
Channel							
Frequency (MHz)							
100	PLC BPSK	1	1	22.87			
100	PLC BPSK	1	137	22.82		24.0	0.0
100	PLC BPSK	1	271	22.78			
100	PLC BPSK	135	0	22.82		24.0	0.0
100	PLC BPSK	135	86	22.82		24.0	0.0
100	PLC BPSK	135	174	22.82		24.0	0.0
100	PLC BPSK	270	0	22.82		24.0	0.0
100	QPSK	1	1	22.92			
100	QPSK	1	137	22.87		24.0	0.0
100	QPSK	1	271	22.86			
100	QPSK	135	0	22.78		24.0	0.0
100	QPSK	135	86	22.82		24.0	0.0
100	QPSK	135	174	22.82		24.0	0.0
100	QPSK	270	0	22.78		24.0	0.0
100	16QAM	1	1	23.12		24.0	0.0
100	16QAM	1	1	23.78		24.0	0.0
100	256QAM	1	1	18.81		17.5	4.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	83.000	83.000	83.000	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.51	22.51	22.51	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.52	22.52	22.52	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.53	22.53	22.53	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.58	22.58	22.58	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.58	22.58	22.58	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.58	22.58	22.58	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.54	22.54	22.54	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.53	22.53	22.53	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.51	22.51	22.51	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.58	22.57	22.52	0.0



n41 PC2&PC3 Ant4 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		
Frequency (MHz)				2545.01	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	17.1	0.0
100	PI/2 BPSK	1	271	16.11	16.17	15.96		
100	PI/2 BPSK	135	0	16.00	16.09	15.98	17.1	0.0
100	PI/2 BPSK	135	69	15.99	16.20	16.05	17.1	0.0
100	PI/2 BPSK	135	138	16.10	16.12	16.02	17.1	0.0
100	PI/2 BPSK	270	0	16.06	16.12	16.06		
100	QPSK	1	1	16.15	15.24	16.11		
100	QPSK	1	137	15.99	16.12	15.96	17.1	0.0
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	15.88	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		
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	15.99	15.93	15.90	17.1	0.0
Channel				509200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.59	15.62	15.49	17.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.59	15.65	15.47	17.1	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.57	15.74	15.54	17.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.65	15.71	15.47	17.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.58	15.63	15.54	17.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.66	15.67	15.49	17.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.58	15.69	15.50	17.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.64	15.65	15.53	17.1	0.0



Par270 n77 PC3&PC2 Ant5 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				650000	656000	662000			
Frequency (MHz)				3750	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	18.1	0.0	
100	PI/2 BPSK	270	0	16.92	16.97	16.80			
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	16.88	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	16.83	16.85	16.51	18.1	0.0	
Channel				647168	656000	664934	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	

Part27Q n77 PC3&PC2 Ant5 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						633334			
Frequency (MHz)						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	16.88	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	



Part270 n78 PC3&PC2 Ant5 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				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	16.92	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			
100	QPSK	270	0	16.78	16.95	16.82	18.1	0.0	
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	16.85	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	652334	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	

Part27Q 78 PC3&PC2 Ant5 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						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			
100	PI/2 BPSK	270	0			17.12	18.1	0.0	
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			
100	QPSK	270	0			17.15	18.1	0.0	
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	17.05	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	



Par270 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				850000	850000	862000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	12.89	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	14.5	0.0	
100	PI/2 BPSK	270	0	12.67	12.89	12.71			
100	QPSK	1	1	12.81	12.88	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	13.5	1.0	
100	QPSK	270	0	12.76	12.85	12.80			
100	16QAM	1	1	12.71	12.83	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				849688	850000	862334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	12.64	12.89	12.82	14.5	0.0	
Channel				849334	850000	862668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	12.59	12.81	12.70	14.5	0.0	
Channel				849000	850000	863000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	12.57	12.79	12.73	14.5	0.0	
Channel				848688	850000	863334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	12.60	12.89	12.67	14.5	0.0	
Channel				848334	850000	863668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	12.55	12.87	12.83	14.5	0.0	
Channel				848000	850000	864000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	12.66	12.80	12.64	14.5	0.0	
Channel				847688	850000	864334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	12.66	12.87	12.70	14.5	0.0	
Channel				847334	850000	864668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	12.65	12.79	12.65	14.5	0.0	
Channel				847168	850000	864834	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	12.65	12.81	12.64	14.5	0.0	
Channel				847000	850000	865000	Tune-up limit (dB)	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				833000	833334	833668			
Frequency (MHz)				3500.01	3500.01	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				833000	833334	833668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	12.78	12.76	12.73	14.5	0.0	
Channel				832668	833334	834000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	12.74	12.76	12.71	14.5	0.0	
Channel				832334	833334	834334	Tune-up limit (dB)	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				832000	833334	834668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	12.73	12.77	12.73	14.5	0.0	
Channel				831668	833334	835000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	12.69	12.76	12.77	14.5	0.0	
Channel				831334	833334	835334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	12.65	12.70	12.73	14.5	0.0	
Channel				831000	833334	835668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	12.72	12.75	12.71	14.5	0.0	
Channel				830668	833334	836000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	12.72	12.75	12.74	14.5	0.0	
Channel				830500	833334	836168	Tune-up limit (dB)	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				830334	833334	836334	Tune-up limit (dB)	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 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	12.64	12.91	12.72			
100	PI/2 BPSK	1	137	12.76	12.87	12.69	14.5	0.0	
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	0.0	
100	PI/2 BPSK	135	69	12.73	12.87	12.72	14.5	0.0	
100	PI/2 BPSK	135	138	12.75	12.91	12.72	14.5	0.0	
100	PI/2 BPSK	270	0	12.73	12.92	12.71			
100	QPSK	1	1	12.80	12.86	12.82			
100	QPSK	1	137	12.76	12.80	12.70	14.5	0.0	
100	QPSK	1	271	12.65	12.82	12.71			
100	QPSK	135	0	12.75	12.81	12.69	13.5	1.0	
100	QPSK	135	69	12.67	12.90	12.76	14.5	0.0	
100	QPSK	135	138	12.70	12.84	12.74	13.5	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	
100	64QAM	1	1	12.68	12.89	12.71	14.5	0.0	
100	256QAM	1	1	12.66	12.86	12.76	14.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	12.59	12.75	12.65	14.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	12.58	12.75	12.70	14.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	12.60	12.76	12.68	14.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	12.65	12.80	12.69	14.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	12.61	12.77	12.68	14.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	12.67	12.76	12.65	14.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	12.60	12.68	12.66	14.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	12.57	12.73	12.60	14.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	12.58	12.75	12.62	14.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	12.65	12.78	12.63	14.5	0.0	

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



Reduced Power for DSI 4

Par270 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				65000	65600	66200			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.21	22.41	22.30			
100	PI/2 BPSK	1	137	22.13	22.26	22.01	24.0	0.0	
100	PI/2 BPSK	1	271	22.13	22.31	22.18			
100	PI/2 BPSK	135	0	22.05	22.27	22.37	24.0	0.0	
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	24.0	0.0	
100	PI/2 BPSK	270	0	22.19	22.37	22.22			
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	24.0	0.0	
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	24.0	0.0	
100	256QAM	1	1	22.23	22.44	22.19	23.0	1.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.09	22.12	22.04	24.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.12	22.19	22.12	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.02	22.14	22.05	24.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.12	22.20	22.07	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.07	22.11	22.08	24.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.06	22.14	22.06	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.12	22.11	22.08	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.01	22.10	22.04	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.07	22.19	22.07	24.0	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					63334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.57				
100	PI/2 BPSK	1	137		22.50		24.0	0.0	
100	PI/2 BPSK	1	271		22.47				
100	PI/2 BPSK	135	0		22.52		24.0	0.0	
100	PI/2 BPSK	135	69		22.36		24.0	0.0	
100	PI/2 BPSK	135	138		22.37		24.0	0.0	
100	PI/2 BPSK	270	0		22.56				
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		24.0	0.0	
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		24.0	0.0	
100	256QAM	1	1		22.65		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	22.38	22.48	22.39	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	22.39	22.43	22.43	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	22.34	22.43	22.41	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	22.33	22.47	22.33	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	22.39	22.49	22.39	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	22.40	22.49	22.41	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	22.42	22.49	22.41	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	22.33	22.47	22.33	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	22.38	22.44	22.32	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	22.36	22.53	22.35	24.0	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									
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.05				
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		24.0	0.0	
100	QPSK	1	1		22.30				
100	QPSK	1	137		22.19		24.0	0.0	
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		24.0	0.0	
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	22.10	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				649000	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									
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1		22.45				
100	PI/2 BPSK	1	137		22.34			24.0	0.0
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		24.0	0.0	
100	QPSK	1	1		22.52				
100	QPSK	1	137		22.42		24.0	0.0	
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		24.0	0.0	
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	22.26	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	22.25	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								
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	19.33	19.28	19.23		
100	PI2 BPSK	1	137	19.20	19.33	19.13		
100	PI2 BPSK	1	271	19.16	19.22	19.19	20.8	0.0
100	PI2 BPSK	135	0	19.26	19.31	19.20	20.8	0.0
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		
100	QPSK	1	1	19.38	19.44	19.32		
100	QPSK	1	137	19.28	19.30	19.24	20.8	0.0
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	19.30	19.12	20.8	0.0
100	QPSK	135	138	19.18	19.31	19.18	20.8	0.0
100	QPSK	270	0	19.25	19.31	19.17		
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								
Frequency (MHz)				5062.00	5185.98	5289.98	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.11	19.19	19.14	20.8	0.0
Channel								
Frequency (MHz)				50720.4	5185.98	5299.98	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.12	19.24	19.11	20.8	0.0
Channel								
Frequency (MHz)				50620.2	5185.98	5310.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.02	2592.99	2655		
70	QPSK	1	1	19.04	19.23	19.07	20.8	0.0
Channel								
Frequency (MHz)				50620.0	5185.98	5319.98	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.08	19.20	19.11	20.8	0.0
Channel								
Frequency (MHz)				50420.4	5185.98	5329.98	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.10	19.16	19.06	20.8	0.0
Channel								
Frequency (MHz)				50620.0	5185.98	5340.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.05	19.20	19.04	20.8	0.0
Channel								
Frequency (MHz)				50620.0	5185.98	5349.98	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.12	19.22	19.06	20.8	0.0
Channel								
Frequency (MHz)				50120.4	5185.98	5359.98	Tune-up limit (dBm)	MPR (dB)
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								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.86	23.02	22.90		
100	PI2 BPSK	1	137	22.86	22.95	22.77	24.0	0.0
100	PI2 BPSK	1	271	22.79	22.89	22.70		
100	PI2 BPSK	135	0	22.88	23.02	22.84	24.0	0.0
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	22.83	23.02	22.88		
100	QPSK	1	1	23.01	23.08	22.98		
100	QPSK	1	137	22.95	23.03	22.85	24.0	0.0
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	22.83		
100	16QAM	1	1	22.90	22.92	22.73	24.0	0.0
100	64QAM	1	1	22.76	22.90	22.73	24.0	0.0
100	256QAM	1	1	21.77	21.83	21.71	23.0	1.0
Channel								
Frequency (MHz)				6486.68	6500.00	6523.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.78	22.89	22.81	24.0	0.0
Channel								
Frequency (MHz)				64833.4	6500.00	6526.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.82	22.89	22.76	24.0	0.0
Channel								
Frequency (MHz)				64800.0	6500.00	6530.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.01	3840	3945		
70	QPSK	1	1	22.77	22.88	22.80	24.0	0.0
Channel								
Frequency (MHz)				6486.68	6500.00	6533.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.83	22.91	22.82	24.0	0.0
Channel								
Frequency (MHz)				64833.4	6500.00	6536.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.79	22.92	22.80	24.0	0.0
Channel								
Frequency (MHz)				64800.0	6500.00	6540.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.79	22.94	22.79	24.0	0.0
Channel								
Frequency (MHz)				6476.68	6500.00	6543.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.82	22.84	22.72	24.0	0.0
Channel								
Frequency (MHz)				64733.4	6500.00	6546.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.82	22.84	22.70	24.0	0.0
Channel								
Frequency (MHz)				64716.8	6500.00	6546.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	22.76	22.90	22.72	24.0	0.0
Channel								
Frequency (MHz)				64700.0	6500.00	6550.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.83	22.90	22.70	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								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1					
100	PI2 BPSK	1	137			22.83	24.0	0.0
100	PI2 BPSK	1	271			22.72		
100	PI2 BPSK	135	0			22.82	24.0	0.0
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		
100	QPSK	1	1			22.86		
100	QPSK	1	137			22.88	24.0	0.0
100	QPSK	1	271			22.87		
100	QPSK	135	0			22.92	24.0	0.0
100	QPSK	135	69			22.91	24.0	0.0
100	QPSK	135	138			22.76	24.0	0.0
100	QPSK	270	0			22.95		
100	16QAM	1	1			22.76	24.0	0.0
100	64QAM	1	1			22.80	24.0	0.0
100	256QAM	1	1			21.54	23.0	1.0
Channel								
Frequency (MHz)				63300.0	63333.4	63366.8	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								
Frequency (MHz)				63266.8	63333.4	63400.0	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								
Frequency (MHz)				63233.4	63333.4	63433.4	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								
Frequency (MHz)				63200.0	63333.4	63466.8	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								
Frequency (MHz)				63166.8	63333.4	63500.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.18	22.42	22.19	24.0	0.0
Channel								
Frequency (MHz)				63133.4	63333.4	63533.4	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								
Frequency (MHz)				63100.0	63333.4	63566.8	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								
Frequency (MHz)				63066.8	63333.4	63600.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.19	22.35	22.16	24.0	0.0
Channel								
Frequency (MHz)				63033.4	63333.4	63633.4	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.02		
15	QPSK	1	1	22.20	22.40	22.23	24.0	0.0
Channel								
Frequency (MHz)				63000.0	63333.4	63666.8	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.01	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	MPR (dB)
Channel							
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1	22.81	22.81	22.81	
100	PI/2 BPSK	1	137	22.79	22.79	22.79	24.0
100	PI/2 BPSK	1	271	22.72	22.72	22.72	24.0
100	PI/2 BPSK	135	0	22.73	22.73	22.73	24.0
100	PI/2 BPSK	135	69	22.89	22.89	22.89	24.0
100	PI/2 BPSK	135	138	22.84	22.84	22.84	24.0
100	PI/2 BPSK	270	0	22.68	22.68	22.68	24.0
100	QPSK	1	1	22.85	22.85	22.85	24.0
100	QPSK	1	137	22.84	22.84	22.84	24.0
100	QPSK	1	271	22.68	22.68	22.68	24.0
100	QPSK	135	0	22.36	22.36	22.36	24.0
100	QPSK	135	69	22.68	22.68	22.68	24.0
100	QPSK	135	138	22.25	22.25	22.25	24.0
100	QPSK	270	0	22.27	22.27	22.27	24.0
100	16QAM	1	1	22.40	22.40	22.40	24.0
100	64QAM	1	1	22.30	22.30	22.30	24.0
100	256QAM	1	1	21.89	21.89	21.89	23.0
Channel							
Frequency (MHz)				643668	650000	650334	
90	QPSK	1	1	22.82	22.81	22.77	24.0
Channel							
Frequency (MHz)				649334	650000	650668	
80	QPSK	1	1	22.79	22.84	22.75	24.0
Channel							
Frequency (MHz)				649000	650000	651000	
70	QPSK	1	1	22.81	22.80	22.73	24.0
Channel							
Frequency (MHz)				648668	650000	651334	
60	QPSK	1	1	22.78	22.80	22.75	24.0
Channel							
Frequency (MHz)				643334	650000	651668	
50	QPSK	1	1	22.75	22.79	22.81	24.0
Channel							
Frequency (MHz)				648000	650000	652000	
40	QPSK	1	1	22.74	22.78	22.79	24.0
Channel							
Frequency (MHz)				647668	650000	652334	
30	QPSK	1	1	22.76	22.85	22.79	24.0
Channel							
Frequency (MHz)				647334	650000	652668	
20	QPSK	1	1	22.79	22.75	22.73	24.0
Channel							
Frequency (MHz)				647168	650000	652834	
15	QPSK	1	1	22.81	22.78	22.71	24.0
Channel							
Frequency (MHz)				647000	650000	653000	
10	QPSK	1	1	22.79	22.78	22.75	24.0

Part27Q n78 PC2 Ant3 DSI4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 630000	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq. 633334	MPR (dB)
Channel							
Frequency (MHz)				3500.01	3500.01	3500.01	
100	PI/2 BPSK	1	1	22.87	22.87	22.87	
100	PI/2 BPSK	1	137	22.82	22.82	22.82	24.0
100	PI/2 BPSK	1	271	22.78	22.78	22.78	24.0
100	PI/2 BPSK	135	0	22.55	22.55	22.55	24.0
100	PI/2 BPSK	135	69	22.84	22.84	22.84	24.0
100	PI/2 BPSK	135	138	22.49	22.49	22.49	24.0
100	PI/2 BPSK	270	0	22.80	22.80	22.80	24.0
100	QPSK	1	1	22.92	22.92	22.92	24.0
100	QPSK	1	137	22.81	22.81	22.81	24.0
100	QPSK	1	271	22.80	22.80	22.80	24.0
100	QPSK	135	0	22.16	22.16	22.16	24.0
100	QPSK	135	69	22.68	22.68	22.68	24.0
100	QPSK	135	138	22.48	22.48	22.48	24.0
100	QPSK	270	0	22.75	22.75	22.75	24.0
100	16QAM	1	1	22.37	22.37	22.37	24.0
100	64QAM	1	1	22.19	22.19	22.19	24.0
100	256QAM	1	1	21.81	21.81	21.81	23.0
Channel							
Frequency (MHz)				630000	633334	633668	
90	QPSK	1	1	22.53	22.57	22.58	24.0
Channel							
Frequency (MHz)				632668	633334	634000	
80	QPSK	1	1	22.52	22.60	22.55	24.0
Channel							
Frequency (MHz)				632334	633334	634334	
70	QPSK	1	1	22.53	22.62	22.56	24.0
Channel							
Frequency (MHz)				632000	633334	634668	
60	QPSK	1	1	22.58	22.56	22.60	24.0
Channel							
Frequency (MHz)				631668	633334	635000	
50	QPSK	1	1	22.50	22.58	22.58	24.0
Channel							
Frequency (MHz)				631334	633334	635334	
40	QPSK	1	1	22.45	22.59	22.60	24.0
Channel							
Frequency (MHz)				631000	633334	635668	
30	QPSK	1	1	22.54	22.59	22.51	24.0
Channel							
Frequency (MHz)				630668	633334	636000	
20	QPSK	1	1	22.53	22.59	22.62	24.0
Channel							
Frequency (MHz)				630500	633334	636168	
15	QPSK	1	1	22.61	22.52	22.54	24.0
Channel							
Frequency (MHz)				630334	633334	636334	
10	QPSK	1	1	22.54	22.67	22.52	24.0



Reduced Power for DSI 6

n2 DSI6 ANTO									
SW (MHz)	Modulation	FE Size	FE Chnl	Power Clk (W)	Power Mode (W)	Power High Clk (W)	Power High Clk (W)	Turn-up time (ms)	MFR (Hz)
Channel									
Frequency (MHz)									
30	PI2-BPSK	1	1	22.04	22.21	22.26	22.26	23.4	0.0
30	PI2-BPSK	1	2	22.04	22.16	22.22	22.22		
30	PI2-BPSK	1	104	22.08	22.24	22.28	22.28		
30	PI2-BPSK	10	0	22.01	22.01	22.02	22.02	23.4	0.0
30	PI2-BPSK	10	24	21.99	22.20	22.30	22.30		
30	PI2-BPSK	10	48	21.98	22.21	22.31	22.31		
30	PI2-BPSK	100	0	21.98	21.98	21.97	21.97	23.4	0.0
30	QPSK	1	1	22.01	22.01	22.02	22.02	23.4	0.0
30	QPSK	1	2	22.04	22.11	22.15	22.15		
30	QPSK	1	104	22.06	22.18	22.21	22.21		
30	QPSK	10	0	21.91	22.00	22.06	22.06	23.4	0.0
30	QPSK	10	24	22.12	22.20	22.24	22.24		
30	QPSK	10	48	22.08	22.11	22.12	22.12		
30	QPSK	100	0	21.87	22.12	22.11	22.11	23.4	0.0
30	QPSK	100	24	22.06	22.06	22.06	22.06		
30	QPSK	100	48	22.15	22.15	22.15	22.15		
30	QPSK	100	0	19.00	19.17	19.96	19.96	23.4	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.15	22.14	22.03	22.14	23.4	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.13	22.21	22.03	22.14	23.4	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.11	22.05	22.02	22.14	23.4	0.0

n5 DSI6 ANTO									
SW (MHz)	Modulation	FE Size	FE Chnl	Power Clk (W)	Power Mode (W)	Power High Clk (W)	Power High Clk (W)	Turn-up time (ms)	MFR (Hz)
Channel									
Frequency (MHz)									
30	PI2-BPSK	1	1	23.30	23.35	23.35	23.35	24.0	0.0
30	PI2-BPSK	1	2	23.13	23.21	23.11	23.11		
30	PI2-BPSK	1	104	23.27	23.11	23.24	23.24		
30	PI2-BPSK	10	0	23.11	23.06	23.05	23.05	24.0	0.0
30	PI2-BPSK	10	24	23.18	23.28	23.15	23.15		
30	PI2-BPSK	10	48	23.14	23.24	23.11	23.11		
30	PI2-BPSK	100	0	23.01	23.08	23.02	23.02	24.0	0.0
30	QPSK	1	1	23.40	23.41	23.30	23.30	24.0	0.0
30	QPSK	1	2	23.15	23.21	23.10	23.10		
30	QPSK	1	104	23.20	23.11	23.28	23.28		
30	QPSK	10	0	23.24	23.24	23.20	23.20	24.0	0.0
30	QPSK	10	24	23.20	23.20	23.10	23.10		
30	QPSK	10	48	23.14	23.21	23.14	23.14		
30	QPSK	100	0	23.13	23.21	23.12	23.12	24.0	0.0
30	QPSK	100	24	23.14	23.14	23.04	23.04		
30	QPSK	100	48	23.12	23.12	23.12	23.12		
30	QPSK	100	0	19.00	19.11	19.97	19.97	23.4	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.18	23.24	23.10	23.10	24.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.20	23.24	23.16	23.16	24.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.24	23.27	23.20	23.20	24.0	0.0

n7 DSI6 ANTO									
SW (MHz)	Modulation	FE Size	FE Chnl	Power Clk (W)	Power Mode (W)	Power High Clk (W)	Power High Clk (W)	Turn-up time (ms)	MFR (Hz)
Channel									
Frequency (MHz)									
40	PI2-BPSK	1	1	23.31	23.31	23.20	23.20	24.0	0.0
40	PI2-BPSK	1	2	23.21	23.26	23.13	23.13		
40	PI2-BPSK	1	244	23.26	23.27	23.20	23.20		
40	PI2-BPSK	10	0	23.22	23.24	23.20	23.20	24.0	0.0
40	PI2-BPSK	10	24	23.20	23.24	23.18	23.18		
40	PI2-BPSK	10	48	23.14	23.24	23.20	23.20		
40	PI2-BPSK	100	0	23.28	23.28	23.20	23.20	24.0	0.0
40	QPSK	1	1	23.12	23.20	23.20	23.20	24.0	0.0
40	QPSK	1	2	23.20	23.21	23.20	23.20		
40	QPSK	1	244	23.15	23.24	23.20	23.20		
40	QPSK	10	0	23.27	23.27	23.24	23.24	24.0	0.0
40	QPSK	10	24	23.23	23.27	23.20	23.20		
40	QPSK	10	48	23.11	23.20	23.20	23.20		
40	QPSK	100	0	23.18	23.23	23.10	23.10	24.0	0.0
40	QPSK	100	24	23.24	23.24	23.14	23.14		
40	QPSK	100	48	23.16	23.20	23.14	23.14		
40	QPSK	100	0	19.00	19.02	19.20	19.20	23.4	0.0
Channel									
Frequency (MHz)									
30	PI2-BPSK	1	1	23.36	23.33	23.20	23.20	24.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.02	23.30	23.10	23.10	24.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.01	23.20	23.10	23.10	24.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.05	23.20	23.17	23.17	24.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.02	23.24	23.10	23.10	24.0	0.0

n66 DSI6 ANTO									
SW (MHz)	Modulation	FE Size	FE Chnl	Power Clk (W)	Power Mode (W)	Power High Clk (W)	Power High Clk (W)	Turn-up time (ms)	MFR (Hz)
Channel									
Frequency (MHz)									
40	PI2-BPSK	1	1	21.80	22.08	22.03	22.03	23.4	0.0
40	PI2-BPSK	1	104	22.02	22.07	22.00	22.00		
40	PI2-BPSK	1	244	21.80	22.03	22.00	22.00		
40	PI2-BPSK	10	0	21.84	22.03	22.01	22.01	23.4	0.0
40	PI2-BPSK	10	24	21.82	22.01	22.00	22.00		
40	PI2-BPSK	10	48	21.84	22.01	22.00	22.00		
40	PI2-BPSK	100	0	22.00	22.07	22.04	22.04	23.4	0.0
40	QPSK	1	1	22.14	22.01	22.00	22.00	23.4	0.0
40	QPSK	1	2	22.10	22.10	22.00	22.00		
40	QPSK	1	244	22.10	22.03	22.00	22.00		
40	QPSK	10	0	22.04	22.14	22.00	22.00	23.4	0.0
40	QPSK	10	24	22.04	22.01	22.00	22.00		
40	QPSK	10	48	22.00	22.01	22.00	22.00		
40	QPSK	100	0	22.00	22.11	22.00	22.00	23.4	0.0
40	QPSK	100	24	22.00	22.00	22.00	22.00		
40	QPSK	100	48	22.00	22.00	22.00	22.00		
40	QPSK	100	0	19.00	19.17	19.10	19.10	23.4	0.0
Channel									
Frequency (MHz)									
30	PI2-BPSK	1	1	21.80	22.07	22.00	22.00	23.4	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.80	22.10	22.04	22.04	23.4	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.21	22.12	22.00	22.00	23.4	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.40	22.11	22.00	22.00	23.4	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.00	22.04	22.10	22.10	23.4	0.0



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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.44	23.49	23.37		
100	PI/2 BPSK	1	137	23.44	23.52	23.40	24.0	0.0
100	PI/2 BPSK	1	271	23.43	23.54	23.50		
100	PI/2 BPSK	135	0	22.92	23.02	22.92	23.5	0.5
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		
100	QPSK	1	137	23.39	23.46	23.42	24.0	0.0
100	QPSK	1	271	23.40	23.52	23.40		
100	QPSK	135	0	22.56	22.64	22.50	23.0	1.0
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	534996	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 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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.45	23.54	23.45		
100	PI/2 BPSK	1	137	23.28	23.32	23.29	24.7	0.0
100	PI/2 BPSK	1	271	23.43	23.27	23.10		
100	PI/2 BPSK	135	0	23.15	23.29	23.10	24.7	0.0
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	24.7	0.0
100	PI/2 BPSK	270	0	23.35	23.46	23.31		
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	24.7	0.0
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	24.7	0.0
100	256QAM	1	1	21.71	21.66	21.50	23.0	1.7
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.51	23.68	23.44	24.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.42	23.67	23.60	24.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.52	23.54	23.53	24.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.50	23.55	23.47	24.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.41	23.53	23.40	24.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.50	23.60	23.41	24.7	0.0



n2 DS16 ANT1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Mean Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
20	PUSBPSK	1	1	19.27	19.42	19.24			
20	PUSBPSK	1	33	19.26	19.38	19.22	20.4	0.0	
20	PUSBPSK	1	55	19.29	19.24	19.92			
20	PUSBPSK	50	0	19.49	19.34	19.59	20.0	0.0	
20	PUSBPSK	50	20	19.22	19.21	19.19	20.4	0.0	
20	PUSBPSK	50	56	19.52	19.22	19.10	20.4	0.0	
20	PUSBPSK	100	0	19.11	19.18	19.14			
20	QPSK	1	1	19.41	19.45	19.32	20.4	0.0	
20	QPSK	1	33	19.28	19.43	19.29			
20	QPSK	1	104	19.26	19.26	19.12			
20	QPSK	50	0	19.52	19.38	19.03	20.0	0.0	
20	QPSK	50	28	19.24	19.20	19.24	20.0	0.0	
20	QPSK	50	56	19.27	19.26	19.19	20.0	0.0	
20	QPSK	100	0	19.17	19.23	19.13	20.0	0.0	
20	16QAM	1	1	19.26	19.26	19.20	20.0	0.0	
20	16QAM	1	1	19.27	19.26	19.16	20.0	0.0	
20	256QAM	1	1	19.52	19.22	19.00	20.0	0.0	
20	256QAM	1	1	19.52	19.22	19.00	20.0	0.0	
10	QPSK	1	1	19.23	19.23	19.23	20.0	0.0	
10	QPSK	1	1	19.23	19.23	19.23	20.0	0.0	
5	QPSK	1	1	19.28	19.28	19.19	20.0	0.0	

n5 DS16 ANT1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Mean Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
20	PUSBPSK	1	1	20.04	20.11	20.01			
20	PUSBPSK	1	33	22.85	22.94	22.85	24.0	0.0	
20	PUSBPSK	1	104	22.82	22.87	22.85			
20	PUSBPSK	50	0	23.04	23.11	23.00	24.0	0.0	
20	PUSBPSK	50	28	22.84	22.86	22.86	24.0	0.0	
20	PUSBPSK	50	56	22.83	22.88	22.87	24.0	0.0	
20	PUSBPSK	100	0	22.85	23.03	22.86			
20	QPSK	1	1	20.14	20.16	20.06			
20	QPSK	1	33	22.82	22.95	22.87	24.0	0.0	
20	QPSK	1	104	22.74	22.86	22.76			
20	QPSK	50	0	22.95	23.03	22.95	24.0	0.0	
20	QPSK	50	28	22.85	22.86	22.87	24.0	0.0	
20	QPSK	50	56	22.86	22.85	22.87	24.0	0.0	
20	16QAM	1	1	20.20	20.06	20.00	24.0	0.0	
20	16QAM	1	1	20.20	20.12	20.05	22.5	1.5	
20	256QAM	1	1	19.74	19.88	19.79	20.5	0.5	
10	QPSK	1	1	21.07	21.07	21.00	24.0	0.0	
10	QPSK	1	1	21.07	21.07	21.00	24.0	0.0	
5	QPSK	1	1	21.10	21.08	21.00	24.0	0.0	

n7 DS16 ANT1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Mean Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
40	PUSBPSK	1	1	19.39	19.48	19.37			
40	PUSBPSK	1	108	19.38	19.37	19.32	20.6	0.0	
40	PUSBPSK	1	214	19.23	19.38	19.21			
40	PUSBPSK	100	0	19.14	19.44	19.20	20.6	0.0	
40	PUSBPSK	100	54	19.23	19.22	19.18	20.6	0.0	
40	PUSBPSK	100	108	19.09	19.33	19.20	20.6	0.0	
40	PUSBPSK	216	0	19.04	19.24	19.07			
40	QPSK	1	1	19.28	19.42	19.35			
40	QPSK	1	108	19.39	19.48	19.30	20.6	0.0	
40	QPSK	1	214	19.29	19.43	19.21			
40	QPSK	100	0	19.14	19.45	19.11	20.6	0.0	
40	QPSK	100	54	19.22	19.24	19.21	20.6	0.0	
40	QPSK	100	108	19.24	19.32	19.28	20.6	0.0	
40	QPSK	216	0	19.19	19.25	19.07	20.6	0.0	
40	16QAM	1	1	19.29	19.29	19.24	20.6	0.0	
40	16QAM	1	1	19.22	19.37	19.25	20.6	0.0	
40	256QAM	1	1	19.08	19.22	19.22	20.5	0.1	
20	QPSK	1	1	19.23	19.23	19.23	20.6	0.0	
20	QPSK	1	1	19.23	19.23	19.23	20.6	0.0	
20	QPSK	1	1	19.19	19.42	19.42	20.6	0.0	
15	QPSK	1	1	19.36	19.38	19.34	20.6	0.0	
10	QPSK	1	1	19.23	19.23	19.23	20.6	0.0	
5	QPSK	1	1	19.21	19.19	19.21	20.6	0.0	

n66 DS16 ANT1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Mean Ch. Power (dBm)	Power High Ch. Power (dBm)	Time-up time (dBm)	MPR (dB)	
40	PUSBPSK	1	1	19.34	19.43	19.48			
40	PUSBPSK	1	108	19.34	19.33	19.22	20.6	0.0	
40	PUSBPSK	1	214	19.38	19.22	19.21			
40	PUSBPSK	100	0	19.33	19.32	19.20	20.6	0.0	
40	PUSBPSK	100	54	19.46	19.38	19.28	20.6	0.0	
40	PUSBPSK	100	108	19.47	19.21	19.08	20.6	0.0	
40	PUSBPSK	216	0	19.30	19.44	19.39			
40	QPSK	1	1	19.48	19.63	19.53			
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	100	0	19.41	19.42	19.28	20.6	0.0	
40	QPSK	100	54	19.50	19.60	19.37	20.6	0.0	
40	QPSK	100	108	19.50	19.50	19.36	20.6	0.0	
40	QPSK	216	0	19.37	19.51	19.36	20.6	0.0	
40	16QAM	1	1	19.46	19.31	19.21	20.6	0.0	
40	16QAM	1	1	19.31	19.38	19.27	20.6	0.0	
40	256QAM	1	1	19.15	19.28	19.12	20.5	0.1	
20	QPSK	1	1	19.23	19.23	19.23	20.6	0.0	
20	QPSK	1	1	19.23	19.23	19.23	20.6	0.0	
10	QPSK	1	1	19.30	19.44	19.24	20.6	0.0	
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				507202	518598	528000		
Frequency (MHz)				2546.91	2592.99	2640		
100	PI/2 BPSK	1	1	19.70	19.99	19.89		
100	PI/2 BPSK	1	137	19.70	19.81	19.72	21.3	0.0
100	PI/2 BPSK	1	271	19.73	19.98	19.79		
100	PI/2 BPSK	135	0	19.70	19.71	19.56	21.3	0.0
100	PI/2 BPSK	135	69	19.67	19.93	19.65	21.3	0.0
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	20.05	19.91		
100	QPSK	1	137	19.74	19.85	19.91	21.3	0.0
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	21.3	0.0
100	QPSK	135	138	19.74	19.80	19.73		
100	QPSK	270	0	19.80	19.89	19.77	21.3	0.0
100	16QAM	1	1	19.53	19.80	19.74	21.3	0.0
100	64QAM	1	1	19.88	20.02	19.65	21.3	0.0
100	256QAM	1	1	19.59	19.88	19.56	21.3	0.0
Channel				508200	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				508202	518598	531000	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				508200	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				508202	518598	534000	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



Par270 n77 ANT2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Peak 60000)	Power Mid Ch. (Peak 60000)	Power High Ch. (Peak 60000)	Time-up time (dBm)	MPR (dB)	
100	PI4-BPSK	1	1	23.60	23.60	23.54			
100	PI4-BPSK	1	137	23.51	23.56	23.50	24.0	0.0	
100	PI4-BPSK	1	273	23.47	23.52	23.50			
100	PI4-BPSK	135	0	23.07	23.19	23.09	23.5	0.0	
100	PI4-BPSK	135	88	23.46	23.56	23.46	24.0	0.0	
100	PI4-BPSK	135	138	23.08	23.14	23.07	23.0	0.0	
100	PI4-BPSK	270	0	23.08	23.15	23.02			
100	QPSK	1	1	23.56	23.60	23.60			
100	QPSK	1	137	23.50	23.66	23.59	24.0	0.0	
100	QPSK	1	273	23.46	23.56	23.54			
100	QPSK	135	0	23.04	23.14	23.03	23.0	1.0	
100	QPSK	135	88	23.46	23.56	23.46	24.0	0.0	
100	QPSK	135	138	23.06	23.02	23.02	23.0	1.0	
100	QPSK	270	0	23.07	23.05	23.08	23.0	1.0	
100	8QAM	1	1	23.10	23.14	23.09	23.0	1.0	
100	8QAM	1	137	23.08	23.12	23.14	23.0	2.5	
100	256QAM	1	1	19.54	19.14	19.10	19.5	4.5	
80	QPSK	1	1	23.53	23.56	23.53	24.0	0.0	
80	QPSK	1	137	23.48	23.53	23.53	24.0	0.0	
80	QPSK	1	273	23.48	23.53	23.53	24.0	0.0	
80	QPSK	135	0	23.08	23.10	23.08	24.0	0.0	
80	QPSK	135	88	23.48	23.53	23.48	24.0	0.0	
80	QPSK	135	138	23.06	23.06	23.06	24.0	0.0	
80	QPSK	270	0	23.06	23.06	23.06	24.0	0.0	
80	8QAM	1	1	23.10	23.10	23.10	24.0	0.0	
80	8QAM	1	137	23.06	23.10	23.10	24.0	0.0	
80	256QAM	1	1	19.54	19.14	19.10	19.5	4.5	
70	QPSK	1	1	23.48	23.56	23.52	24.0	0.0	
70	QPSK	1	137	23.43	23.54	23.52	24.0	0.0	
70	QPSK	1	273	23.43	23.54	23.52	24.0	0.0	
70	QPSK	135	0	23.04	23.04	23.04	24.0	0.0	
70	QPSK	135	88	23.43	23.54	23.43	24.0	0.0	
70	QPSK	135	138	23.02	23.02	23.02	24.0	0.0	
70	QPSK	270	0	23.02	23.02	23.02	24.0	0.0	
70	8QAM	1	1	23.10	23.10	23.10	24.0	0.0	
70	8QAM	1	137	23.02	23.10	23.10	24.0	0.0	
70	256QAM	1	1	19.54	19.14	19.10	19.5	4.5	
60	QPSK	1	1	23.43	23.54	23.52	24.0	0.0	
60	QPSK	1	137	23.38	23.52	23.52	24.0	0.0	
60	QPSK	1	273	23.38	23.52	23.52	24.0	0.0	
60	QPSK	135	0	23.02	23.02	23.02	24.0	0.0	
60	QPSK	135	88	23.38	23.52	23.38	24.0	0.0	
60	QPSK	135	138	23.00	23.00	23.00	24.0	0.0	
60	QPSK	270	0	23.00	23.00	23.00	24.0	0.0	
60	8QAM	1	1	23.10	23.10	23.10	24.0	0.0	
60	8QAM	1	137	23.00	23.10	23.10	24.0	0.0	
60	256QAM	1	1	19.54	19.14	19.10	19.5	4.5	
50	QPSK	1	1	23.38	23.54	23.51	24.0	0.0	
50	QPSK	1	137	23.33	23.52	23.52	24.0	0.0	
50	QPSK	1	273	23.33	23.52	23.52	24.0	0.0	
50	QPSK	135	0	23.00	23.00	23.00	24.0	0.0	
50	QPSK	135	88	23.33	23.52	23.33	24.0	0.0	
50	QPSK	135	138	22.98	22.98	22.98	24.0	0.0	
50	QPSK	270	0	22.98	22.98	22.98	24.0	0.0	
50	8QAM	1	1	23.10	23.10	23.10	24.0	0.0	
50	8QAM	1	137	22.98	23.10	23.10	24.0	0.0	
50	256QAM	1	1	19.54	19.14	19.10	19.5	4.5	
40	QPSK	1	1	23.33	23.54	23.52	24.0	0.0	
40	QPSK	1	137	23.28	23.52	23.52	24.0	0.0	
40	QPSK	1	273	23.28	23.52	23.52	24.0	0.0	
40	QPSK	135	0	22.98	22.98	22.98	24.0	0.0	
40	QPSK	135	88	23.28	23.52	23.28	24.0	0.0	
40	QPSK	135	138	22.96	22.96	22.96	24.0	0.0	
40	QPSK	270	0	22.96	22.96	22.96	24.0	0.0	
40	8QAM	1	1	23.10	23.10	23.10	24.0	0.0	
40	8QAM	1	137	22.96	23.10	23.10	24.0	0.0	
40	256QAM	1	1	19.54	19.14	19.10	19.5	4.5	
30	QPSK	1	1	23.28	23.54	23.51	24.0	0.0	
30	QPSK	1	137	23.23	23.52	23.52	24.0	0.0	
30	QPSK	1	273	23.23	23.52	23.52	24.0	0.0	
30	QPSK	135	0	22.96	22.96	22.96	24.0	0.0	
30	QPSK	135	88	23.23	23.52	23.23	24.0	0.0	
30	QPSK	135	138	22.94	22.94	22.94	24.0	0.0	
30	QPSK	270	0	22.94	22.94	22.94	24.0	0.0	
30	8QAM	1	1	23.10	23.10	23.10	24.0	0.0	
30	8QAM	1	137	22.94	23.10	23.10	24.0	0.0	
30	256QAM	1	1	19.54	19.14	19.10	19.5	4.5	
20	QPSK	1	1	23.23	23.54	23.51	24.0	0.0	
20	QPSK	1	137	23.18	23.52	23.52	24.0	0.0	
20	QPSK	1	273	23.18	23.52	23.52	24.0	0.0	
20	QPSK	135	0	22.94	22.94	22.94	24.0	0.0	
20	QPSK	135	88	23.18	23.52	23.18	24.0	0.0	
20	QPSK	135	138	22.92	22.92	22.92	24.0	0.0	
20	QPSK	270	0	22.92	22.92	22.92	24.0	0.0	
20	8QAM	1	1	23.10	23.10	23.10	24.0	0.0	
20	8QAM	1	137	22.92	23.10	23.10	24.0	0.0	
20	256QAM	1	1	19.54	19.14	19.10	19.5	4.5	
15	QPSK	1	1	23.18	23.54	23.54	24.0	0.0	
15	QPSK	1	137	23.13	23.52	23.52	24.0	0.0	
15	QPSK	1	273	23.13	23.52	23.52	24.0	0.0	
15	QPSK	135	0	22.92	22.92	22.92	24.0	0.0	
15	QPSK	135	88	23.13	23.52	23.13	24.0	0.0	
15	QPSK	135	138	22.90	22.90	22.90	24.0	0.0	
15	QPSK	270	0	22.90	22.90	22.90	24.0	0.0	
15	8QAM	1	1	23.10	23.10	23.10	24.0	0.0	
15	8QAM	1	137	22.90	23.10	23.10	24.0	0.0	
15	256QAM	1	1	19.54	19.14	19.10	19.5	4.5	
10	QPSK	1	1	23.13	23.50	23.48	24.0	0.0	
10	QPSK	1	137	23.08	23.50	23.50	24.0	0.0	
10	QPSK	1	273	23.08	23.50	23.50	24.0	0.0	
10	QPSK	135	0	22.88	22.88	22.88	24.0	0.0	
10	QPSK	135	88	23.08	23.50	23.08	24.0	0.0	
10	QPSK	135	138	22.86	22.86	22.86	24.0	0.0	
10	QPSK	270	0	22.86	22.86	22.86	24.0	0.0	
10	8QAM	1	1	23.10	23.10	23.10	24.0	0.0	
10	8QAM	1	137	22.86	23.10	23.10	24.0	0.0	
10	256QAM	1	1	19.54	19.14	19.10	19.5	4.5	

Par270 n77 PC2 Ant2 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Peak 60000)	Power Mid Ch. (Peak 60000)	Power High Ch. (Peak 60000)	Time-up time (dBm)	MPR (dB)	
100	PI4-BPSK	1	1	22.21	22.41	22.30			
100	PI4-BPSK	1	137	22.13	22.26	22.21	24.0	0.0	
100	PI4-BPSK	1	273	22.10	22.31	22.18			
100	PI4-BPSK	135	0	22.00	22.27	22.20	24.0	0.0	
100	PI4-BPSK	135	88	22.28	22.36	22.28	24.0	0.0	
100	PI4-BPSK	135	138	22.03	22.20	22.20	24.0	0.0	
100	PI4-BPSK	270	0	22.03	22.37	22.22			
100	QPSK	1	1	22.21	22.40	22.28			
100	QPSK	1	137	22.20	22.28	22.21	24.0	0.0	
100	QPSK	1	273	22.21	22.36	22.26			
100	QPSK	135	0	22.03	22.37	22.26	24.0	0.0	
100	QPSK	135	88	22.10	22.36	22.26	24.0	0.0	
100	QPSK	135	138	22.00	22.34	22.28	24.0	0.0	
100	QPSK	270	0	22.03	22.37	22.26	24.0	0.0	
100	8QAM	1	1	22.13	22.27	22.20	24.0	0.0	
100	8QAM	1	137	22.08	22.12	22.10	24.0	0.0	
100	256QAM	1	1	22.23	22.44				



Part270 n78 ANT2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Max Ch. Power	Power High Ch. Power	Time-up time (min)	MFR (dB)
Frequency (MHz)								
100	PI2-BPSK	1	1	23.57				
100	PI2-BPSK	1	137	23.47		24.0	0.0	
100	PI2-BPSK	1	273	23.34				
100	PI2-BPSK	135	0	23.08		23.5	0.0	
100	PI2-BPSK	135	88	22.91		24.0	0.0	
100	PI2-BPSK	135	138	22.67		23.0	0.0	
100	PI2-BPSK	270	0	22.38				
100	QPSK	1	1	22.05				
100	QPSK	1	137	22.45		24.0	0.0	
100	QPSK	1	273	22.34				
100	QPSK	135	0	22.08		23.0	1.0	
100	QPSK	135	88	22.01		24.0	0.0	
100	QPSK	135	138	22.48		23.0	1.0	
100	QPSK	270	0	22.27				
100	8QAM	1	1	22.94		23.0	1.0	
100	8QAM	1	1	21.26		21.0	2.5	
100	25QAM	1	1	19.12		19.5	4.5	
Frequency (MHz)								
80	QPSK	1	1	23.57	23.57	23.57	24.0	0.0
Channel								
80	QPSK	1	1	23.57	23.57	23.57	24.0	0.0
Frequency (MHz)								
80	QPSK	1	1	23.57	23.57	23.57	24.0	0.0
Channel								
80	QPSK	1	1	23.57	23.57	23.57	24.0	0.0
Frequency (MHz)								
70	QPSK	1	1	23.61	23.61	23.61	24.0	0.0
Channel								
70	QPSK	1	1	23.61	23.61	23.61	24.0	0.0
Frequency (MHz)								
70	QPSK	1	1	23.61	23.61	23.61	24.0	0.0
Channel								
70	QPSK	1	1	23.61	23.61	23.61	24.0	0.0
Frequency (MHz)								
60	QPSK	1	1	23.54	23.57	23.58	24.0	0.0
Channel								
60	QPSK	1	1	23.54	23.57	23.58	24.0	0.0
Frequency (MHz)								
60	QPSK	1	1	23.54	23.57	23.58	24.0	0.0
Channel								
60	QPSK	1	1	23.54	23.57	23.58	24.0	0.0
Frequency (MHz)								
50	QPSK	1	1	23.57	23.58	23.56	24.0	0.0
Channel								
50	QPSK	1	1	23.57	23.58	23.56	24.0	0.0
Frequency (MHz)								
40	QPSK	1	1	23.53	23.57	23.56	24.0	0.0
Channel								
40	QPSK	1	1	23.53	23.57	23.56	24.0	0.0
Frequency (MHz)								
40	QPSK	1	1	23.53	23.57	23.56	24.0	0.0
Channel								
40	QPSK	1	1	23.53	23.57	23.56	24.0	0.0
Frequency (MHz)								
30	QPSK	1	1	23.54	23.55	23.55	24.0	0.0
Channel								
30	QPSK	1	1	23.54	23.55	23.55	24.0	0.0
Frequency (MHz)								
30	QPSK	1	1	23.54	23.55	23.55	24.0	0.0
Channel								
30	QPSK	1	1	23.54	23.55	23.55	24.0	0.0
Frequency (MHz)								
20	QPSK	1	1	23.62	23.59	23.56	24.0	0.0
Channel								
20	QPSK	1	1	23.62	23.59	23.56	24.0	0.0
Frequency (MHz)								
20	QPSK	1	1	23.62	23.59	23.56	24.0	0.0
Channel								
20	QPSK	1	1	23.62	23.59	23.56	24.0	0.0
Frequency (MHz)								
15	QPSK	1	1	23.60	23.54	23.60	24.0	0.0
Channel								
15	QPSK	1	1	23.60	23.54	23.60	24.0	0.0
Frequency (MHz)								
15	QPSK	1	1	23.60	23.54	23.60	24.0	0.0

Part270 n78 PC2 Ant2 DSI6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Max Ch. Power	Power High Ch. Power	Time-up time (min)	MFR (dB)
Frequency (MHz)								
100	PI2-BPSK	1	1	22.05				
100	PI2-BPSK	1	137	22.21		24.0	0.0	
100	PI2-BPSK	1	273	22.16				
100	PI2-BPSK	135	0	22.20		24.0	0.0	
100	PI2-BPSK	135	88	22.16		24.0	0.0	
100	PI2-BPSK	135	138	22.15		24.0	0.0	
100	PI2-BPSK	270	0	22.29				
100	QPSK	1	1	22.30				
100	QPSK	1	137	22.19		24.0	0.0	
100	QPSK	1	273	22.34				
100	QPSK	135	0	22.07		24.0	0.0	
100	QPSK	135	88	22.21		24.0	0.0	
100	QPSK	135	138	22.22		24.0	0.0	
100	QPSK	270	0	22.27				
100	8QAM	1	1	22.15		24.0	0.0	
100	8QAM	1	1	22.45		24.0	0.0	
100	25QAM	1	1	22.29		22.0	1.0	
Frequency (MHz)								
80	QPSK	1	1	22.02	22.02	22.02	24.0	0.0
Channel								
80	QPSK	1	1	22.02	22.02	22.02	24.0	0.0
Frequency (MHz)								
80	QPSK	1	1	22.02	22.02	22.02	24.0	0.0
Channel								
80	QPSK	1	1	22.02	22.02	22.02	24.0	0.0
Frequency (MHz)								
70	QPSK	1	1	22.08	22.08	22.04	24.0	0.0
Channel								
70	QPSK	1	1	22.08	22.08	22.04	24.0	0.0
Frequency (MHz)								
70	QPSK	1	1	22.08	22.08	22.04	24.0	0.0
Channel								
70	QPSK	1	1	22.08	22.08	22.04	24.0	0.0
Frequency (MHz)								
60	QPSK	1	1	22.09	22.08	22.05	24.0	0.0
Channel								
60	QPSK	1	1	22.09	22.08	22.05	24.0	0.0
Frequency (MHz)								
60	QPSK	1	1	22.09	22.08	22.05	24.0	0.0
Channel								
60	QPSK	1	1	22.09	22.08	22.05	24.0	0.0
Frequency (MHz)								
50	QPSK	1	1	22.04	22.08	22.05	24.0	0.0
Channel								
50	QPSK	1	1	22.04	22.08	22.05	24.0	0.0
Frequency (MHz)								
40	QPSK	1	1	22.11	22.10	22.11	24.0	0.0
Channel								
40	QPSK	1	1	22.11	22.10	22.11	24.0	0.0
Frequency (MHz)								
40	QPSK	1	1	22.11	22.10	22.11	24.0	0.0
Channel								
40	QPSK	1	1	22.11	22.10	22.11	24.0	0.0
Frequency (MHz)								
30	QPSK	1	1	22.11	22.10	22.11	24.0	0.0
Channel								
30	QPSK	1	1	22.11	22.10	22.11	24.0	0.0
Frequency (MHz)								
30	QPSK	1	1	22.11	22.10	22.11	24.0	0.0
Channel								
30	QPSK	1	1	22.11	22.10	22.11	24.0	0.0
Frequency (MHz)								
20	QPSK	1	1	22.11	22.14	22.12	24.0	0.0
Channel								
20	QPSK	1	1	22.11	22.14	22.12	24.0	0.0
Frequency (MHz)								
20	QPSK	1	1	22.11	22.14	22.12	24.0	0.0
Channel								
20	QPSK	1	1	22.11	22.14	22.12	24.0	0.0
Frequency (MHz)								
15	QPSK	1	1	22.13	22.21	22.05	24.0	0.0
Channel								
15	QPSK	1	1	22.13	22.21	22.05	24.0	0.0
Frequency (MHz)								
15	QPSK	1	1	22.13	22.21	22.05	24.0	0.0

Part270 n78 ANT2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Max Ch. Power	Power High Ch. Power	Time-up time (min)	MFR (dB)
Frequency (MHz)								
100	PI2-BPSK	1	1	23.52				
100	PI2-BPSK	1	137	23.24		24.0	0.0	
100	PI2-BPSK	1	273	23.49				
100	PI2-BPSK	135	0	23.14		23.5	0.0	
100	PI2-BPSK	135	88	23.02		24.0	0.0	
100	PI2-BPSK	135	138	23.06		23.0	0.0	
100	PI2-BPSK	270	0	23.11				
100	QPSK	1	1	23.00				
100	QPSK	1	137	23.28		24.0	0.0	
100	QPSK	1	273	23.40				
100	QPSK	135	0	23.02		23.0	1.0	
100	QPSK	135	88	23.22		24.0	0.0	
100	QPSK	135	138	23.20		23.0	1.0	
100	QPSK	270	0	23.28				
100	8QAM	1	1	23.01		23.0	1.0	
100	8QAM	1	1	21.36		21.0	2.5	
100	25QAM	1	1	19.20		19.0	4.5	
Frequency (MHz)								
80	QPSK	1	1	23.50	23.50	23.50	24.0	0.0
Channel								
80	QPSK	1	1	23.50	23.50	23.50	24.0	0.0
Frequency (MHz)								
80	QPSK	1	1	23.50	23.50	23.50	24.0	0.0
Channel								
80	QPSK	1	1	23.50	23.50	23.50	24.0	0.0
Frequency (MHz)								
70	QPSK	1	1	23.56	23.53	23.57	24.0	0.0
Channel								
70	QPSK	1	1	23.56	23.53	23.57	24.0	0.0
Frequency (MHz)								
70	QPSK	1	1	23.56	23.53	23.57	24.0	0.0
Channel								
70	QPSK	1	1	23.56	23.53	23.57	24.0	0.0
Frequency (MHz)								
60	QPSK	1	1	23.52	23.49	23.54	24.0	0.0
Channel								
60	QPSK	1	1	23.52	23.49	23.54	24.0	0.0
Frequency (MHz)								
60	QPSK	1	1	23.52	23.49	23.54	24.0	0.0
Channel								
60	QPSK	1	1	23.52	23.49	23.54	24.0	0.0
Frequency (MHz)								
50	QPSK	1	1	23.48	23.49	23.52	24.0	0.0
Channel								
50	QPSK	1	1	23.48	23.49	23.52	24.0	0.0
Frequency (MHz)								
40	QPSK	1	1	23.51	23.52	23.51	24.0	0.0
Channel								
40	QPSK	1	1	23.51	23.52	23.51	24.0	0.0
Frequency (MHz)								
40	QPSK	1	1	23.51	23.52	23.51	24.0	0.0
Channel								
40	QPSK	1	1	23.51	23.52	23.51	24.0	0.0
Frequency (MHz)								
30	QPSK	1	1	23.50	23.53	23.50	24.0	0.0
Channel								
30	QPSK	1	1	23.50	23.53	23.50	24.0	0.0
Frequency (MHz)								
30	QPSK	1	1	23.50	23.53	23.50	24.0	0.0
Channel								
30	QPSK	1	1	23.50	23.53	23.50	24.0	0.0
Frequency (MHz)								
20	QPSK	1	1	23.48	23.50	23.48	24.0	0.0
Channel								
20	QPSK	1	1	23.48	23.50	23.48	24.0	0.0
Frequency (MHz)								
20	QPSK	1	1	23.48	23.50	23.48	24.0	0.0
Channel								
20	QPSK	1	1	23.48	23.50	23.48	24.0	0.0
Frequency (MHz)								
15	QPSK	1	1	23.47	23.51	23.46	24.0	0.0
Channel								
15	QPSK	1	1	23.47	23.51	23.46	24.0	0.0
Frequency (MHz)								
15	QPSK	1	1	23.47	23.51	23.46	24.0	0.0

Part270 n78 PC2 Ant2 DSI6

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n41 PC3&PC2 Ant3 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Ch. Power (dBm)	Time-up time (min)	APR3 (dB)	APR4 (dB)
Channel									
Frequency (MHz)									
100	PL2-BPSK	1	1	19.25	19.28	19.23			
100	PL2-BPSK	1	137	19.25	19.33	19.33	20.8	0.0	
100	PL2-BPSK	1	271	19.30	19.22	19.30			
100	PL2-BPSK	135	0	19.28	19.31	19.29	20.9	0.0	
100	PL2-BPSK	135	89	19.30	19.34	19.30	20.8	0.0	
100	PL2-BPSK	135	138	19.34	19.31	19.24	20.9	0.0	
100	PL2-BPSK	270	0	19.34	19.36	19.30			
100	QPSK	1	1	19.38	19.44	19.32			
100	QPSK	1	137	19.28	19.39	19.24	20.8	0.0	
100	QPSK	1	271	19.21	19.31	19.28			
100	QPSK	135	0	19.28	19.28	19.24	20.8	0.0	
100	QPSK	135	89	19.25	19.35	19.32	20.8	0.0	
100	QPSK	135	138	19.30	19.31	19.30	20.9	0.0	
100	QPSK	270	0	19.25	19.31	19.17	20.9	0.0	
100	25QAM	1	1	19.24	19.26	19.20	20.8	0.0	
100	25QAM	1	1	19.19	19.24	19.21	20.8	0.0	
100	25QAM	1	1	19.24	19.35	19.24	20.8	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.13	19.15	19.14	20.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.12	19.24	19.11	20.8	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.04	19.23	19.07	20.8	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.08	19.28	19.11	20.8	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.10	19.15	19.08	20.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.11	19.22	19.10	20.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.12	19.22	19.08	20.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.09	19.21	19.10	20.8	0.0	

Par270 n77 DS16 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Ch. Power (dBm)	Time-up time (min)	APR3 (dB)	APR4 (dB)
Channel									
Frequency (MHz)									
100	PL2-BPSK	1	1	22.12	22.03	22.73			
100	PL2-BPSK	1	137	22.13	22.73	22.62	24.0	0.0	
100	PL2-BPSK	1	271	22.12	22.70	22.71			
100	PL2-BPSK	135	0	22.07	22.38	22.21	23.0	0.0	
100	PL2-BPSK	135	89	22.08	22.81	22.68	24.0	0.0	
100	PL2-BPSK	135	138	22.28	22.38	22.34	23.0	0.0	
100	PL2-BPSK	270	0	22.20	22.45	22.30			
100	QPSK	1	1	22.14	22.03	22.71			
100	QPSK	1	137	22.05	22.84	22.69	24.0	0.0	
100	QPSK	1	271	22.10	22.81	22.68			
100	QPSK	135	0	22.01	22.08	22.04	23.0	0.0	
100	QPSK	135	89	22.70	22.07	22.84	24.0	0.0	
100	QPSK	135	138	22.08	22.01	22.00	23.0	0.0	
100	QPSK	270	0	22.10	22.11	22.00	23.0	0.0	
100	25QAM	1	1	21.84	21.86	21.80	24.0	0.0	
100	25QAM	1	1	20.24	20.33	20.30	21.0	0.0	
100	25QAM	1	1	18.18	18.30	18.21	19.0	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.81	21.71	21.80	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.81	21.71	21.80	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.45	22.76	22.70	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.02	22.08	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.77	22.63	24.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.08	22.08	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.01	22.00	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.03	22.00	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.04	22.08	22.04	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.01	22.04	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.08	21.00	21.00	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.03	22.00	22.00	24.0	0.0	

Par270 n77 PC2 Ant3 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Ch. Power (dBm)	Time-up time (min)	APR3 (dB)	APR4 (dB)
Channel									
Frequency (MHz)									
100	PL2-BPSK	1	1	22.08	22.03	22.99			
100	PL2-BPSK	1	137	22.08	22.29	22.77	24.0	0.0	
100	PL2-BPSK	1	271	22.79	22.89	22.70			
100	PL2-BPSK	135	0	22.08	22.02	22.84	24.0	0.0	
100	PL2-BPSK	135	89	22.08	22.06	22.73	24.0	0.0	
100	PL2-BPSK	135	138	22.20	22.83	22.75	24.0	0.0	
100	PL2-BPSK	270	0	22.03	22.02	22.88			
100	QPSK	1	1	22.01	22.08	22.98			
100	QPSK	1	137	22.05	22.03	22.83	24.0	0.0	
100	QPSK	1	271	22.08	22.06	22.81			
100	QPSK	135	0	22.04	22.05	22.83	24.0	0.0	
100	QPSK	135	89	22.07	22.04	22.77	24.0	0.0	
100	QPSK	135	138	22.04	22.07	22.77	24.0	0.0	
100	QPSK	270	0	22.04	22.08	22.83	24.0	0.0	
100	25QAM	1	1	21.88	21.82	21.73	24.0	0.0	
100	25QAM	1	1	21.70	21.80	21.71	24.0	0.0	
100	25QAM	1	1	21.77	21.83	21.71	23.0	1.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.71	21.80	21.81	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.02	22.09	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.77	22.88	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.83	22.81	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.78	22.82	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.79	22.84	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.82	22.84	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.84	22.84	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.78	22.80	22.72	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.83	22.80	22.70	24.0	0.0	



Part27Q n77 DS16 ANT3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (dBm)	Power High Ch. (dBm)	Power Max. Ch. (dBm)	Power Min. Ch. (dBm)	Turn-up loss (dBm)	MPE (dB)
100	PLQ BPSK	1	1	22.49					
100	PLQ BPSK	1	137	22.53				24.0	0.0
100	PLQ BPSK	1	271	22.48					
100	PLQ BPSK	135	0	22.58				23.5	0.5
100	PLQ BPSK	135	88	22.56				24.0	0.0
100	PLQ BPSK	135	138	22.58				23.5	0.5
100	PLQ BPSK	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	88	22.56				24.0	0.0
100	QPSK	135	138	22.58				24.0	0.0
100	QPSK	270	0	22.50					
100	16QAM	1	1	22.52				24.0	1.0
100	16QAM	1	1	25.17				21.5	2.5
100	256QAM	1	1	17.98				10.5	4.5
Channel				63300	63330	63360	63300	Turn-up loss (dBm)	MPE (dB)
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	1	22.22				24.0	0.0
Channel				63366	63396	63426	63366	Turn-up loss (dBm)	MPE (dB)
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	137	22.25				24.0	0.0
Channel				63374	63404	63434	63374	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	271	22.20				24.0	0.0
Channel				63378	63408	63438	63378	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	0	22.25				24.0	0.0
Channel				63382	63412	63442	63382	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	88	22.22				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	138	22.25				24.0	0.0
Channel				63386	63416	63446	63386	Turn-up loss (dBm)	MPE (dB)
80	QPSK	270	0	22.21					
Channel				63390	63420	63450	63390	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	1	22.19				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	137	22.21				24.0	0.0
Channel				63394	63424	63454	63394	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	271	22.16				24.0	0.0
Channel				63398	63428	63458	63398	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	0	22.20				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	88	22.17				24.0	0.0
Channel				63402	63432	63462	63402	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	138	22.20				24.0	0.0
Channel				63406	63436	63466	63406	Turn-up loss (dBm)	MPE (dB)
80	QPSK	270	0	22.19					
Channel				63410	63440	63470	63410	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	1	22.18				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	137	22.20				24.0	0.0
Channel				63414	63444	63474	63414	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	271	22.15				24.0	0.0
Channel				63418	63448	63478	63418	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	0	22.19				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	88	22.16				24.0	0.0
Channel				63422	63452	63482	63422	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	138	22.19				24.0	0.0
Channel				63426	63456	63486	63426	Turn-up loss (dBm)	MPE (dB)
80	QPSK	270	0	22.18					
Channel				63430	63460	63490	63430	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	1	22.17				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	137	22.19				24.0	0.0
Channel				63434	63464	63494	63434	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	271	22.14				24.0	0.0
Channel				63438	63468	63498	63438	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	0	22.18				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	88	22.15				24.0	0.0
Channel				63442	63472	63502	63442	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	138	22.18				24.0	0.0
Channel				63446	63476	63506	63446	Turn-up loss (dBm)	MPE (dB)
80	QPSK	270	0	22.17					
Channel				63450	63480	63510	63450	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	1	22.16				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	137	22.18				24.0	0.0
Channel				63454	63484	63514	63454	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	271	22.13				24.0	0.0
Channel				63458	63488	63518	63458	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	0	22.17				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	88	22.14				24.0	0.0
Channel				63462	63492	63522	63462	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	138	22.17				24.0	0.0
Channel				63466	63496	63526	63466	Turn-up loss (dBm)	MPE (dB)
80	QPSK	270	0	22.16					
Channel				63470	63500	63530	63470	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	1	22.15				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	137	22.17				24.0	0.0
Channel				63474	63504	63534	63474	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	271	22.12				24.0	0.0
Channel				63478	63508	63538	63478	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	0	22.16				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	88	22.13				24.0	0.0
Channel				63482	63512	63542	63482	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	138	22.16				24.0	0.0
Channel				63486	63516	63546	63486	Turn-up loss (dBm)	MPE (dB)
80	QPSK	270	0	22.15					
Channel				63490	63520	63550	63490	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	1	22.14				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	137	22.16				24.0	0.0
Channel				63494	63524	63554	63494	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	271	22.11				24.0	0.0
Channel				63498	63528	63558	63498	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	0	22.15				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	88	22.12				24.0	0.0
Channel				63502	63532	63562	63502	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	138	22.15				24.0	0.0
Channel				63506	63536	63566	63506	Turn-up loss (dBm)	MPE (dB)
80	QPSK	270	0	22.14					
Channel				63510	63540	63570	63510	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	1	22.13				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	137	22.15				24.0	0.0
Channel				63514	63544	63574	63514	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	271	22.10				24.0	0.0
Channel				63518	63548	63578	63518	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	0	22.14				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	88	22.11				24.0	0.0
Channel				63522	63552	63582	63522	Turn-up loss (dBm)	MPE (dB)
80	QPSK	135	138	22.14				24.0	0.0
Channel				63526	63556	63586	63526	Turn-up loss (dBm)	MPE (dB)
80	QPSK	270	0	22.13					
Channel				63530	63560	63590	63530	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	1	22.12				24.0	0.0
Channel				3495	3500.01	3505.02	3495	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	137	22.14				24.0	0.0
Channel				63534	63564	63594	63534	Turn-up loss (dBm)	MPE (dB)
80	QPSK	1	271	22.09				24.0	0.0



n41 PC3&PC2 DSI6 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	526000		
Frequency (MHz)				2548.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.89	18.99	18.88		
100	PI/2 BPSK	1	137	18.80	18.73	18.72	20.2	0.0
100	PI/2 BPSK	1	271	18.83	18.98	18.83		
100	PI/2 BPSK	135	0	18.64	18.63	18.62	20.2	0.0
100	PI/2 BPSK	135	69	18.58	18.88	18.61	20.2	0.0
100	PI/2 BPSK	135	138	18.56	18.57	18.76	20.2	0.0
100	PI/2 BPSK	270	0	18.66	18.78	18.64		
100	QPSK	1	1	18.89	19.17	18.97		
100	QPSK	1	137	18.78	18.84	18.91	20.2	0.0
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	20.2	0.0
100	QPSK	135	138	18.79	18.84	18.69	20.2	0.0
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	20.2	0.0
100	256QAM	1	1	18.36	18.38	18.28	20.2	0.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.63	18.99	18.84	20.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.63	18.96	18.85	20.2	0.0
Channel				508202	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	20.2	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.57	18.92	18.77	20.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.80	19.04	18.74	20.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.88	19.03	18.69	20.2	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.60	18.89	18.82	20.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	QPSK	1	1	18.60	18.97	18.87	20.2	0.0



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				656000	656000	662000			
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	19.66	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					633334				
Frequency (MHz)					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	19.85	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									
Frequency (MHz)									
100	PI/2 BPSK	1	1	3750	3750	3750			
100	PI/2 BPSK	1	137	19.74	19.55	19.58	21.3	0.0	
100	PI/2 BPSK	1	271	19.58	19.58	19.58			
100	PI/2 BPSK	135	0	19.79	19.79	19.79	21.3	0.0	
100	PI/2 BPSK	135	69	19.80	19.80	19.80	21.3	0.0	
100	PI/2 BPSK	135	138	19.58	19.58	19.58	21.3	0.0	
100	PI/2 BPSK	270	0	19.38	19.38	19.38			
100	QPSK	1	1	19.82	19.79	19.79	21.3	0.0	
100	QPSK	1	137	19.79	19.79	19.79			
100	QPSK	1	271	19.73	19.73	19.73			
100	QPSK	135	0	19.56	19.56	19.56	21.3	0.0	
100	QPSK	135	69	19.81	19.81	19.81	21.3	0.0	
100	QPSK	135	138	19.70	19.70	19.70	21.3	0.0	
100	QPSK	270	0	19.80	19.80	19.80			
100	16QAM	1	1	19.66	19.66	19.66	21.3	0.0	
100	64QAM	1	1	19.47	19.47	19.47	21.3	0.0	
100	256QAM	1	1	19.41	19.41	19.41	21.3	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3750	3755.01			
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3760.02			
Channel									
Frequency (MHz)									
70	QPSK	1	1	648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
				3730.02	3750	3770.01			
Channel									
Frequency (MHz)									
60	QPSK	1	1	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3775.02			
Channel									
Frequency (MHz)									
50	QPSK	1	1	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3785.01			
Channel									
Frequency (MHz)									
40	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3790.02			
Channel									
Frequency (MHz)									
30	QPSK	1	1	646668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
				3705.01	3750	3795.01			
Channel									
Frequency (MHz)									
20	QPSK	1	1	646334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
				3700.01	3750	3790.02			
Channel									
Frequency (MHz)									
15	QPSK	1	1	645668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
				3695.02	3750	3792.51			
Channel									
Frequency (MHz)									
10	QPSK	1	1	645000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
				3705	3750	3795			

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									
Frequency (MHz)									
100	PI/2 BPSK	1	1	3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	137	19.95	19.62	19.67	21.3	0.0	
100	PI/2 BPSK	1	271	19.67	19.67	19.67			
100	PI/2 BPSK	135	0	19.90	19.90	19.90	21.3	0.0	
100	PI/2 BPSK	135	69	19.98	19.98	19.98	21.3	0.0	
100	PI/2 BPSK	135	138	19.90	19.90	19.90	21.3	0.0	
100	PI/2 BPSK	270	0	19.65	19.65	19.65			
100	QPSK	1	1	20.12	20.12	20.12	21.3	0.0	
100	QPSK	1	137	19.88	19.88	19.88			
100	QPSK	1	271	19.88	19.88	19.88			
100	QPSK	135	0	19.83	19.83	19.83	21.3	0.0	
100	QPSK	135	69	20.04	20.04	20.04	21.3	0.0	
100	QPSK	135	138	19.86	19.86	19.86	21.3	0.0	
100	QPSK	270	0	20.02	20.02	20.02			
100	16QAM	1	1	19.90	19.90	19.90	21.3	0.0	
100	64QAM	1	1	19.83	19.83	19.83	21.3	0.0	
100	256QAM	1	1	19.54	19.54	19.54	21.3	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02			
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3490.02	3500.01	3510			
Channel									
Frequency (MHz)									
70	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02			
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525			
Channel									
Frequency (MHz)									
50	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02			
Channel									
Frequency (MHz)									
40	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540			
Channel									
Frequency (MHz)									
30	QPSK	1	1	630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500.01	3545.01			
Channel									
Frequency (MHz)									
20	QPSK	1	1	629500	633334	637334	Tune-up limit (dBm)	MPR (dB)	
				3450.01	3500.01	3550.01			
Channel									
Frequency (MHz)									
15	QPSK	1	1	629000	633334	638000	Tune-up limit (dBm)	MPR (dB)	
				3445.01	3500.01	3555.01			
Channel									
Frequency (MHz)									
10	QPSK	1	1	628500	633334	638668	Tune-up limit (dBm)	MPR (dB)	
				3440.01	3500.01	3560.01			



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				656000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.24	19.25	19.23			
100	PI/2 BPSK	1	137	19.29	19.22	18.97	20.7	0.0	
100	PI/2 BPSK	1	271	19.17	19.23	19.06			
100	PI/2 BPSK	135	0	19.00	19.34	19.26	20.7	0.0	
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	20.7	0.0	
100	PI/2 BPSK	270	0	18.85	19.15	19.00			
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	20.7	0.0	
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	20.7	0.0	
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			
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			
80	QPSK	1	1	19.28	19.15	19.16	20.7	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.05	19.32	19.10	20.7	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.21	19.15	19.17	20.7	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.07	19.23	19.07	20.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.26	19.26	19.05	20.7	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.14	19.20	19.11	20.7	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.06	19.20	19.24	20.7	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.29	19.16	19.08	20.7	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.17	19.13	19.21	20.7	0.0	

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						633334			
Frequency (MHz)						3550.01			
100	PI/2 BPSK	1	1			19.15			
100	PI/2 BPSK	1	137			19.04	20.7	0.0	
100	PI/2 BPSK	1	271			19.09			
100	PI/2 BPSK	135	0			19.13	20.7	0.0	
100	PI/2 BPSK	135	69			19.09	20.7	0.0	
100	PI/2 BPSK	135	138			19.03	20.7	0.0	
100	PI/2 BPSK	270	0			19.01			
100	QPSK	1	1			19.35			
100	QPSK	1	137			19.12	20.7	0.0	
100	QPSK	1	271			19.07			
100	QPSK	135	0			19.17	20.7	0.0	
100	QPSK	135	69			19.32	20.7	0.0	
100	QPSK	135	138			19.07	20.7	0.0	
100	QPSK	270	0			19.28			
100	16QAM	1	1			18.84	20.7	0.0	
100	64QAM	1	1			19.05	20.7	0.0	
100	256QAM	1	1			19.03	20.7	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	19.18	19.12	18.99	20.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	19.18	19.24	19.06	20.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	19.02	19.21	18.90	20.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	19.16	19.04	19.03	20.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	19.15	19.02	18.89	20.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	19.03	19.06	19.10	20.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	19.14	19.19	19.03	20.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	19.95	19.11	18.91	20.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.96	19.18	18.99	20.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	19.18	19.02	19.11	20.7	0.0	



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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	19.00	19.00		20.7	0.0
100	PI/2 BPSK	1	137	19.09	19.09			
100	PI/2 BPSK	1	271	18.91	18.91			
100	PI/2 BPSK	135	0	19.04	19.04		20.7	0.0
100	PI/2 BPSK	135	69	19.00	19.00		20.7	0.0
100	PI/2 BPSK	135	138	19.09	19.09		20.7	0.0
100	PI/2 BPSK	270	0	19.05	19.05			
100	QPSK	1	1	19.28	19.28		20.7	0.0
100	QPSK	1	137	19.06	19.06			
100	QPSK	1	271	19.11	19.11			
100	QPSK	135	0	19.24	19.24		20.7	0.0
100	QPSK	135	69	19.28	19.28		20.7	0.0
100	QPSK	135	138	19.16	19.16		20.7	0.0
100	QPSK	270	0	19.07	19.07			
100	16QAM	1	1	18.84	18.84		20.7	0.0
100	64QAM	1	1	18.13	18.13		20.7	0.0
100	256QAM	1	1	19.00	19.00		20.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.00	19.05	19.12	20.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.99	19.09	19.10	20.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.07	19.03	18.89	20.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.06	19.10	19.01	20.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.13	19.19	19.03	20.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	19.07	19.25	19.05	20.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.02	19.07	19.03	20.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.96	19.22	18.93	20.7	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.11	19.02	19.08	20.7	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
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					633000	633334		
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.08			
100	PI/2 BPSK	1	137		19.01		20.7	0.0
100	PI/2 BPSK	1	271		19.01			
100	PI/2 BPSK	135	0		18.92		20.7	0.0
100	PI/2 BPSK	135	69		19.05		20.7	0.0
100	PI/2 BPSK	135	138		18.92		20.7	0.0
100	PI/2 BPSK	270	0		18.88			
100	QPSK	1	1		19.28		20.7	0.0
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		20.7	0.0
100	QPSK	135	138		19.08		20.7	0.0
100	QPSK	270	0		19.14			
100	16QAM	1	1		18.85		20.7	0.0
100	64QAM	1	1		18.05		20.7	0.0
100	256QAM	1	1		18.92		20.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
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		
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		
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		
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		
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		
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		
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	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		
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		
10	QPSK	1	1	19.09	18.89	18.74	20.7	0.0



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

BT BR/EDR Ant6

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.85	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	6.55
	CH 19	2440	7.56
	CH 39	2480	6.10
Tune-up Limit			8

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	6.60
	CH 19	2440	7.69
	CH 39	2480	6.12
Tune-up Limit			8.00

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 #1, Slave ID=6)

Mode	Service Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Tail Position	Spacing	Average Value of Time Slices (MHz)															
								Measured Tg SRR (dB/Hz)	Auto-Tune	1	16	31	46	61	76	91	106	121	136	151	166	181	196
WCDMA B2	RNC 12.2kps	95.8	1907.6	-	-	Left Tilted	Omni	0.903	1.67	0.944	0.940	0.970	0.901	0.828	0.981	0.680	0.829	0.944	0.731	0.717	0.498	0.982	0.941
WCDMA B4	RNC 12.2kps	1312	1712.4	-	-	Right Cheek	Omni	0.542	1.81	0.508	0.317	0.414	0.971	0.585	0.388	0.183	0.178	0.542	0.380	0.572	0.085	0.448	0.530
WCDMA B5	RNC 12.2kps	4231	846.6	-	-	Right Cheek	Omni	0.992	1.92	0.457	0.517	0.541	0.506	0.082	0.574	0.944	0.974	0.378	0.980	0.417	0.436	0.001	0.499
LTE B7	QPSK	21100	2535	1	0	Right Cheek	Omni	0.994	1.92	0.558	0.602	0.558	0.317	0.416	0.605	0.617	0.509	0.480	0.557	0.593	0.028	0.014	0.584
LTE B12	QPSK	33956	702.5	1	0	Right Tilted	Omni	0.950	1.3	0.933	0.858	0.149	0.317	1.076	0.200	0.086	0.265	0.378	0.101	0.020	0.250	0.178	
LTE B15	QPSK	23230	792	1	0	Right Tilted	Omni	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
LTE B25	QPSK	26590	1905	1	0	Right Tilted	Omni	0.993	2.17	1.151	1.169	1.099	1.067	1.159	1.108	1.018	0.880	1.119	0.799	1.304	0.977	0.739	1.184
LTS B29	QPSK	39840	831.5	1	0	Right Cheek	Omni	0.892	2.71	0.881	0.430	0.405	0.565	0.824	0.379	0.480	0.105	0.177	0.974	0.318	0.165	0.028	0.903
LTE B41	QPSK	40620	2593	1	0	Right Cheek	Omni	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
LTE B46	QPSK	13072	1720	1	0	Right Tilted	Omni	0.963	2.1	0.375	0.258	0.348	0.723	0.404	0.468	0.216	0.175	0.804	0.324	0.595	0.321	0.478	0.338
FRI r2	QPSK	38000	1903	1	1	Right Cheek	Omni	1	2.02	1.481	1.209	1.373	1.249	1.419	1.032	0.768	0.823	1.389	1.116	1.268	0.697	0.413	1.233
FRI r5	QPSK	16730	836.5	1	1	Right Cheek	Omni	0.948	2.11	0.329	0.154	0.862	0.484	0.837	1.303	1.462	1.209	0.359	1.018	1.045	0.859	1.242	
FRI r1	QPSK	50700	2535	108	54	Right Cheek	Omni	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	
FRI r41 HPLC	QPSK	21858	2592.99	1	1	Right Cheek	Omni	1.05	2.03	1.595	1.758	1.751	1.987	1.786	1.884	1.812	1.763	1.350	1.419	1.528	1.801	1.811	
FRI r66	QPSK	34900	1745	108	54	Right Cheek	Omni	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 to 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										
WCDMA B2	RMC 12.2MHz	6538	1907.6	-	-	Left Chm	0mm	1.603	1.67	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	0.729
										0.974	0.953	0.952	0.927	0.935	0.713	0.755	0.930	0.985	0.988	0.970	0.980	0.975	0.984	0.985	0.972	0.981	0.934	0.985	0.998
										0.828	0.877	0.788	0.810	0.888	0.837	0.928	0.964	0.977	0.965	0.977	0.980	0.987	0.984	0.990	0.981	0.974	0.971	0.982	0.940
										0.845	0.960	0.574	0.822	0.902	0.969	0.821	0.908	0.844	0.933	0.890	0.781	0.833	0.793	0.790	0.882	0.891	0.874	0.740	0.698
										0.917	0.933	0.918	0.904	0.918	0.948	0.911	0.855	0.918	0.950	0.948	0.911	0.922	0.933	0.944	0.969	0.911	0.928	0.914	0.914
										0.705	0.850	0.850	0.920	0.927	0.829	0.770	0.758	0.813	0.821	0.814	0.814	0.824	0.840	0.738	0.738	0.742	0.741	0.740	0.750
										1.21	1.22	1.23	1.24	1.25	1.26	1.27	1.28	1.29	1.30	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.40
										1.41	1.42	1.43	1.44	1.45	1.46	1.47	1.48	1.49	1.50	1.51	1.52	1.53	1.54	1.55	1.56	1.57	1.58	1.59	1.60
										0.577	0.701	0.701	0.904	0.825	0.888	0.719	0.750	0.888	0.963	0.717	0.883	0.911	0.823	0.963	0.863	0.981	0.925	0.918	0.935
										0.881	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850
										0.623	0.702	0.705	0.458	0.461	0.486	0.489	0.491	0.699	0.071	0.889	0.891	0.889	0.819	0.822	0.648	0.648	0.678	0.681	0.685
										0.881	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.850
										0.882	0.981	0.044	0.034	0.071	0.968	0.827	0.594	0.536	0.463	0.338	0.961	0.956	0.914	0.617	0.641	0.945	0.976	0.971	0.964
										0.201	0.202	0.203	0.204	0.205	0.206	0.207	0.208	0.209	0.210	0.211	0.212	0.213	0.214	0.215	0.216	0.217	0.218	0.219	0.220
										0.956	0.956	0.913	0.928	0.938	0.945														

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured to 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										
WCDMA B4	RMC 12.2MHz	1312	1712.4	-	-	Right Chm	0mm	0.942	1.81	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	0.516	0.429	0.317	0.340	0.314	0.825
										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	0.237	0.337	0.588	0.299	0.435	0.265
										0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.00
										0.436	0.336	0.388	0.393	0.012	0.014	0.011	0.038	0.247	0.073	0.884	0.895	0.896	0.910	0.738	0.714	0.504	0.497	0.496	0.320
										0.762	0.588	0.444	0.670	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
										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	0.178	0.198
										1.91	1.92	1.93	1.94	1.95	1.96	1.97	1.98	1.99	2.00	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.09	2.10
										1.43	1.266	0.267	0.273	0.297	0.211	0.176	0.171	0.200	0.207	0.201	0.208	0.218	0.160	0.161	0.164	0.164	0.164	0.164	0.164
										0.201	0.202	0.203	0.204	0.205	0.206	0.207	0.208	0.209	0.210	0.211	0.212	0.213	0.214	0.215	0.216	0.217	0.218	0.219	0.220
										0.956	0.956	0.913	0.928	0.938	0.945														

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured to 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										
WCDMA B5	RMC 12.2MHz	4233	846.6	-	-	Right Chm	0mm	0.962	1.92	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	0.493	0.575	0.623	0.517	0.618	0.109
										0.428	0.352	0.321	0.145	0.199	0.043	0.079	0.137	0.509	0.753	0.595	0.482	0.541	0.251	0.586	0.582	0.790	0.748	0.397	0.301
										0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.00
										0.411	0.584	0.554	0.614	0.025	0.020	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
										0.762	0.588	0.444	0.670	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
										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	0.178	0.198
										1.91	1.92	1.93	1.94	1.95	1.96	1.97	1.98	1.99	2.00	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.09	2.10
										1.43	1.266	0.267	0.273	0.297	0.211	0.176	0.171	0.200	0.207	0.201	0.208	0.218	0.160	0.161	0.164	0.164	0.164	0.164	0.164
										0.201	0.202	0.203	0.204	0.205	0.206	0.207	0.208	0.209	0.210	0.211	0.212	0.213	0.214	0.215	0.216	0.217	0.218	0.219	0.220
										0.956	0.956	0.913	0.928	0.938	0.945														

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured to 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 B7	RMC 12.2MHz	21100	2535	-	-	Right Chm	0mm	0.962	1.92	1.028	0.816	0.863	0.811	0.830	1.007	1.003	1.044	1.003	1.044	1.003	1.044	1.003	1.044	1.003	1.044	1.003	1.044	1.003	1.044
										0.843	0.825	0.827	0.883	0.913	1.038	1.032	1.081	1.019	1.042	1.075	1.056	1.022	0.993	1.071	1.034	1.022	1.080	0.831	0.969
										0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.00
										0.708	0.709	1.039	0.714	0.771	0.781	0.911	1.033	1.028	1.019	0.843	0.997	1.033	1.028	1.019	0.843	0.997	1.033	1.028	1.019
										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	0.178	0.198
										1.91	1.92	1.93	1.94	1.95	1.96	1.97	1.98	1.99	2.00	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.09	2.10
										1.43	1.266	0.267	0.273	0.297	0.211	0.176	0.171	0.200	0.207	0.201	0.208	0.218	0.160	0.161	0.164	0.164	0.164	0.164	0.164
										0.201	0.202	0.203	0.204	0.205	0.206	0.207	0.208	0.209	0.210	0.211	0.212	0.213	0.214	0.215	0.216	0.217	0.218	0.219	0.220
										0.956	0.956	0.913	0.928	0.938	0.945														

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured to 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 B12	GSM	23095	707.5	-	-	Right Chm	0mm	0.962	1.3	0.381	0.304	0.932	0.425	0.933	0.997	0.128	0.176	0.202	0.962	1.013	1.074	0.764	1.148	1.093	0.821	0.911	1.116	0.109	0.269
										0.428	0.352	0.316	0.145	0.199	0.043	0.079	0.137	0.509	0.753	0.595	0.482	0.541	0.251	0.586	0.582	0.790	0.748	0.397	0.301
										0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.00
										1.145	1.076	0.300	1.051	1.076	0.797	1.058	0.322	0.938	0.321	0.618	0.273	0.320	0.321	0.316	0.284	0.317	0.320	0.263	0.263
										0.762	0.588	0.444	0.670	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
										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	0.178	0.198
										1.91	1.92	1.93	1.94	1.95	1.96	1.97	1.98	1.99	2.00	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.09	2.10
										1.43	1.266	0.267	0.273	0.297	0.211	0.176	0.171	0.200	0.207										



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	2800	1	0	Right Chant	0mm	0.875	1.78	0.847	0.804	0.832	0.869	0.886	0.941	0.976	1.022	0.929	0.955	0.885	0.778	0.751	0.819	0.790	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	0.946	0.915	0.889	0.944	0.971	0.980	0.945	0.965	0.860	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	0.956	0.963	0.974	0.425	0.776	0.733	0.521	0.978	0.739	0.594	0.594	0.524	0.618	0.514	0.614	0.615	0.612	0.814	0.804
										81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
										0.853	0.820	0.868	1.011	1.026	1.014	1.034	1.019	1.032	1.025	0.963	1.015	1.033	1.027	1.033	1.021	1.026	1.033	1.017	0.762
										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	0.988	0.971	1.026	1.016	1.017	1.022	1.028	1.023	1.028	1.033	1.008	1.012	1.001	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	0.734	0.801	0.786	0.787	0.835	0.742	0.926	0.742	0.844	0.747	0.745	0.727	0.701	1.021	1.003	0.976	0.975	0.825	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	1.052	1.027	0.958	0.988	0.938	0.958	0.973	0.971	0.888	0.762	0.950	0.956	0.842	0.974	0.969	0.968	0.902	0.762
										161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
										0.814	0.919	1.013	0.772	0.773	0.766	0.777	0.766	0.802	1.016	1.034	1.022	1.008	1.007	0.993	0.986	0.988	0.991	0.987	0.762
										181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
										0.947	0.926	0.742	0.031	0.622	0.527	1.036	1.053	1.028	1.001	0.876	0.976	0.974	0.988	0.577	0.763	0.800	0.952	0.968	0.819
										201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
										0.814	0.808	1.007	1.008	0.988	0.991														

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 B66	QPSK	15072	1720	1	0	Right Chant	0mm	0.963	2.1	0.803	0.668	1.342	1.534	1.334	0.902	1.056	0.909	1.092	0.975	0.977	0.969	0.838	0.939	0.961	0.463	0.343	0.968	0.338	0.659
										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	0.184	0.180	0.309	0.439	0.361	0.357	0.451	0.425	0.17	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	0.336	1.047	0.921	0.991	0.929	0.989	0.299	0.903	0.922	0.890	0.922	0.723	0.763	0.543	0.537	0.336	0.341
										81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
										0.801	0.628	0.475	0.707	0.650	0.608	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	0.360
										101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
										0.196	0.294	0.263	0.201	0.329	0.229	0.194	0.184	0.219	0.225	0.218	0.229	0.236	0.174	0.175	0.178	0.174	0.180	0.433	0.994
										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	0.673	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	0.165	0.159	0.332	0.324	0.350	0.183	0.255	0.326	0.502	0.333	0.613	0.406	0.541	0.526	0.581	0.622	0.562	0.615	0.556
										161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
										0.199	0.153	0.163	0.089	0.076	0.088	0.090	0.086	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
										181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
										0.455	0.428	0.393	0.121	0.502	0.506	0.281	0.312	0.372	0.478	0.691	0.563	0.564	0.311	0.163	0.978	0.968	0.968	0.437	0.518
										201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
										0.517	0.532	0.323	0.328	0.336	0.344														

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		
FR1 e2	QPSK	30000	160	1	0	Right Chant	0mm	0.963	2.1	1.239	1.447	1.481	1.189	1.411	1.367	1.292	1.260	1.447	1.412	1.292	1.30	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.40
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
										1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431	1.431		
										41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60		
										1.373	1.195	1.328	1.298	1.711	0.718	0.696	0.502	0.676	1.069	0.832	0.231	1.105	1.116	0.915	1.249	1.446	1.444	1.447	1.398		
										81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100		
										1.322	1.368	0.994	1.301	1.362	1.402	1.422	1.264	1.521	1.296	1.419	1.343	1.268	1.301	1.333	1.268	1.301	1.268	1.269	1.257	1.244	
										101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120		
										1.246	1.265	0.984	1.174	1.174	1.032	0.944	0.863	0.977	1.179	0.726	0.893	0.877	0.812	0.863	0.923	0.816	0.858	0.934	1.001		
										121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140		
										1.433	1.419	1.423	1.421	1.417	1.161	1.354	1.122	1.318	1.202	1.386	1.396	1.379	1.348	0.939	0.912	0.855	0.803	0.724	0.668		
										141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160		
										0.817	0.847	0.768	1.127	1.173	1.116	0.811	0.467	1.512	1.508	1.228	1.381	1.188	1.246	1.469	1.052	1.428	1.458	1.428	1.458		
										161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180		
										0.976	0.776	0.712	0.654	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495		
										181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200		
										0.368	0.391	0.063	0.054	0.441	1.473	0.647	0.884	0.856	0.604	0.521	0.413	1.278	1.273	1.168	1.274	1.413	1.431	1.431	1.342	1.436	
										201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220		
										1.426	1.427	1.180	1.189	1.208	1.233																

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
FR1 e5	QPSK	15700	605	1	1	Right Chant	0mm	0.948	2.11	0.546	0.472	0.691	0.314	0.694	0.888	1.024	1.277	0.710	0.785	0.512	0.329	0.419						



Body (Antenna #0, 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)																								
									Auto-Tune	1	12	23	34	45	56	67	78	89	100	111	122	133	144	155	166	177	188	199	210	221	232	24	321
WCDMA B4	PMR 12.2Mpa	1912	1712.4	-	-	Back	5mm	0.939	1.400	0.317	0.498	0.719	0.648	0.318	0.136	0.351	0.271	0.354	0.319	0.157	0.196	0.385	0.494	0.143	0.277	0.328	0.328	0.344	0.368	0.375	0.433	0.747	0.454
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	PMR 12.2Mpa	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	0.590
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)																								
LTE B7	QPSK	21100	2355	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)	Average Value of Time Sweep (W/kg)																								
LTE B12	QPSK	22000	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)	Average Value of Time Sweep (W/kg)																								
LTE B13	QPSK	29290	782	1	0	Back	5mm	0.544	0.668	0.478	0.232	0.476	0.777	0.792	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)	Average Value of Time Sweep (W/kg)																								
LTE B28	QPSK	28865	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)	Average Value of Time Sweep (W/kg)																								
LTE B46	QPSK	12072	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)	Average Value of Time Sweep (W/kg)																								
FRI r5	QPSK	167300	836.5	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)	Average Value of Time Sweep (W/kg)																								
FRI r7	QPSK	507000	2535	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	0.248	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)	Average Value of Time Sweep (W/kg)																								
FRI r8	QPSK	348000	1740	1	1	Back	5mm	0.911	1.11	0.783	0.886	0.897	0.512	0.461	0.558	0.453	0.570	0.510	0.251	0.328	0.624	0.822	0.117	0.470	0.528	0.304	0.897	0.342	0.232	0.624	0.782	0.279	0.591



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Body>1.2 (Antenna #0, Slave ID=6)

Table for WCDMA B4 with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured Tx SFR, Auto-Tune, and Average Value of Time Sweep (W/kg) for 20 iterations.

Table for WCDMA B5 with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured Tx SFR, Auto-Tune, and Average Value of Time Sweep (W/kg) for 20 iterations.

Table for LTE B26 with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured Tx SFR, Auto-Tune, and Average Value of Time Sweep (W/kg) for 20 iterations.

Table for LTE B66 with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured Tx SFR, Auto-Tune, and Average Value of Time Sweep (W/kg) for 20 iterations.



Body (Antenna #1, Slave ID=6)

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
									Auto-Tune	1	16	31	46	61	76	91	106	121	136	151	166	181	196	
WCDMA B2	RMC 12.2kops	9538	1907.6	-	-	Back	5mm	0.971	1.5	0.250	0.720	0.710	0.670	0.580	0.700	0.580	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
WCDMA B4	RMC 12.2kops	1312	1712.4	-	-	Back	5mm	0.853	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
WCDMA B5	RMC 12.2kops	4182	836.4	-	-	Back	5mm	0.926	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B7	QPSK	2695	2510	1	0	Back	5mm	0.98	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B12	QPSK	2395	707.5	1	0	Back	5mm	0.995	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B13	QPSK	2320	782	1	0	Back	5mm	0.716	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B25	QPSK	2650	1905	1	0	Back	5mm	0.901	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B26	QPSK	2685	811.5	1	0	Back	5mm	0.703	0.798	0.030	0.310	0.410	0.480	0.340	0.470	0.450	0.640	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B41 (HPLF)	QPSK	3975	2506	1	0	Back	5mm	0.942	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
LTE B66	QPSK	132072	1720	1	0	Back	5mm	0.96	1.66	0.290	0.590	0.680	0.640	0.600	0.690	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
FR1 r2	QPSK	372000	1880	1	1	Back	5mm	0.991	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
FR1 r5	QPSK	167300	836.5	1	1	Back	5mm	0.722	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
FR1 r7	QPSK	597000	2510	1	1	Back	5mm	0.923	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
FR1 r41 (HPLF)	QPSK	518568	2602.99	1	1	Back	5mm	0.989	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 3g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
FR1 r66	QPSK	349000	1745	1	1	Back	5mm	0.959	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		



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Body>1.2 (Antenna #1, Slave ID=6)

Table with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured 1g SAR, Auto-Tune. Includes a grid of Average Value of Time Sweep (W/kg) data for WCDMA B2.

Table with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured 1g SAR, Auto-Tune. Includes a grid of Average Value of Time Sweep (W/kg) data for LTE B7.

Table with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured 1g SAR, Auto-Tune. Includes a grid of Average Value of Time Sweep (W/kg) data for LTE B12.

Table with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured 1g SAR, Auto-Tune. Includes a grid of Average Value of Time Sweep (W/kg) data for LTE B25.

Table with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured 1g SAR, Auto-Tune. Includes a grid of Average Value of Time Sweep (W/kg) data for FE B41 H/PUe.

Table with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured 1g SAR, Auto-Tune. Includes a grid of Average Value of Time Sweep (W/kg) data for LTE B66.

Table with columns: Mode, Service/Modulation, Channel, Frequency (MHz), RB Size, RB Offset, Test Position, Spacing, Measured 1g SAR, Auto-Tune. Includes a grid of Average Value of Time Sweep (W/kg) data for FR1 n7.



Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g 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				
FR1 n41 HPLUE	QPSK	518598	2592.99	1	1	Back	5mm	0.989	1.28	0.340	0.610	0.530	0.730	0.680	0.610	0.710	0.720	0.630	0.660	0.530	0.470	0.740	0.770	0.780	0.840	0.920	0.690	0.700	0.810				
										0.720	0.700	0.650	0.740	0.640	0.690	0.640	0.760	0.690	0.770	0.680	0.750	0.540	0.590	0.660	0.580	0.660	0.500	0.650	0.650	0.600	0.650	0.600	0.620
										41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60				
										0.140	0.300	0.310	0.350	0.340	0.370	0.400	0.310	0.330	0.310	0.220	0.250	0.270	0.280	0.220	0.160	0.110	0.300	0.320	0.380				
										61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80				
										0.500	0.520	0.360	0.310	0.270	0.310	0.300	0.750	0.430	0.640	0.780	0.440	0.360	0.460	0.320	0.320	0.270	0.260	0.270	0.110				
										81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100				
										0.320	0.810	0.750	0.450	0.480	0.270	0.450	0.330	0.440	0.440	0.310	0.320	0.390	0.240	0.290	0.380	0.240	0.330	0.260	0.410				
										101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120				
										0.240	0.290	0.340	0.330	0.360	0.160	0.310	0.160	0.270	0.260	0.240	0.190	0.180	0.160	0.090	0.250	0.340	0.220	0.200	0.190				
										121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140				
										0.210	0.210	0.230	0.170	0.210	0.180	0.450	0.480	0.530	0.430	0.340	0.280	0.500	0.240	0.460	0.350	0.760	0.760	0.840	0.540				
										141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160				
										0.620	0.540	0.520	0.560	0.530	0.460	0.580	0.470	0.360	0.540	0.500	0.340	0.080	0.120	0.310	0.210	0.140	0.280	0.190	0.190				
										161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180				
										0.120	0.130	0.290	0.290	0.240	0.210	0.220	0.270	0.270	0.590	0.730	0.600	0.480	0.440	0.500	0.360	0.330	0.240	0.280	0.320				
										181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200				
										0.190	0.290	0.320	0.140	0.260	0.190	0.180	0.220	0.270	0.190	0.150	0.270	0.240	0.250	0.070	0.470	0.780	0.740	0.620	0.460				
										201	202	203	204	205	206																		
										0.300	0.260	0.220	0.330	0.340	0.350																		

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g 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
FR1 n66	QPSK	349000	1745	1	1	Back	5mm	0.959	1.22	0.330	0.470	0.550	0.330	0.600	0.680	0.700	0.640	0.530	0.610	0.540	0.420	0.760	0.690	0.690	0.750	0.840	0.790		
										0.750	0.790	0.710	0.630	0.560	0.620	0.590	0.720	0.740	0.580	0.750	0.650	0.530	0.600	0.680	0.570	0.620	0.570	0.560	0.000
										41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
										0.050	0.340	0.240	0.250	0.280	0.400	0.210	0.280	0.320	0.240	0.370	0.400	0.170	0.290	0.290	0.170	0.290	0.170	0.270	0.310
										61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
										0.450	0.470	0.400	0.340	0.370	0.370	0.230	0.670	0.210	0.470	0.660	0.500	0.400	0.210	0.310	0.280	0.270	0.180	0.240	0.240
										81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
										0.160	0.690	0.700	0.290	0.390	0.460	0.330	0.320	0.240	0.370	0.260	0.360	0.380	0.370	0.210	0.320	0.350	0.340	0.370	0.330
										101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
										0.370	0.240	0.290	0.350	0.330	0.140	0.270	0.300	0.190	0.200	0.020	0.040	0.190	0.210	0.190	0.160	0.190	0.310	0.230	0.260
										121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
										0.190	0.130	0.140	0.110	0.070	0.140	0.490	0.490	0.720	0.550	0.460	0.320	0.330	0.260	0.280	0.290	0.660	0.870	0.820	0.570
										141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
										0.550	0.370	0.510	0.430	0.560	0.340	0.380	0.520	0.340	0.340	0.320	0.350	0.260	0.070	0.170	0.320	0.300	0.270	0.310	0.190
										161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
										0.290	0.150	0.180	0.310	0.270	0.210	0.350	0.230	0.240	0.640	0.680	0.600	0.440	0.300	0.410	0.260	0.290	0.310	0.300	0.220
										181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
										0.260	0.080	0.220	0.290	0.280	0.180	0.050	0.200	0.140	0.150	0.110	0.070	0.140	0.220	0.020	0.370	0.860	0.930	0.590	0.420
										201	202	203	204	205	206														
										0.440	0.410	0.320	0.300	0.200	0.300														