

Reduced Power Mode for DS12									
Band 13									
W/M (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (dB)	MPS (dB)	
Channel				24300					
Frequency (MHz)				782					
10	QPSK	1	0	21.41			22.4	0	
10	QPSK	1	25	21.34					
10	QPSK	1	49	21.36					
10	QPSK	25	0	21.35					
10	QPSK	25	12	21.36			22.4	0	
10	QPSK	25	25	21.32					
10	QPSK	50	0	21.35					
10	16QAM	1	0	21.31			22.4	0	
10	16QAM	1	25	21.31					
10	16QAM	1	49	21.32					
10	16QAM	25	0	20.83					
10	16QAM	25	12	20.72			22.4	0	
10	16QAM	25	25	20.73					
10	16QAM	50	0	20.77					
10	64QAM	1	0	20.79			22.4	0	
10	64QAM	1	25	20.74					
10	64QAM	1	49	20.82					
10	64QAM	25	0	20.39					
10	64QAM	25	12	20.42			22	0.4	
10	64QAM	25	25	20.41					
10	64QAM	50	0	20.40					
10	256QAM	1	0	18.38			20	2.4	
10	256QAM	1	25	18.38					
10	256QAM	1	49	18.40					
10	256QAM	25	0	18.34					
10	256QAM	25	12	18.32			20	2.4	
10	256QAM	25	25	18.40					
10	256QAM	50	0	18.37					
Channel				23205	23200	23205	Tune-up (dB)	MPS (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	21.28	21.28	21.28	22.4	0	
5	QPSK	1	12	21.24	21.24	21.24			
5	QPSK	1	24	21.26	21.26	21.26			
5	QPSK	18	0	21.27	21.27	21.27			
5	QPSK	12	7	21.26	21.26	21.26	22.4	0	
5	QPSK	12	13	21.23	21.22	21.22			
5	QPSK	25	0	21.27	21.27	21.27			
5	16QAM	1	0	21.21	21.21	21.21	22.4	0	
5	16QAM	1	12	21.21	21.21	21.21			
5	16QAM	1	24	21.27	21.27	21.27			
5	16QAM	12	0	21.33	21.33	21.33			
5	16QAM	12	7	21.22	21.22	21.22	22.4	0	
5	16QAM	12	13	21.23	21.23	21.23			
5	16QAM	25	0	21.27	21.27	21.27			
5	64QAM	1	0	21.29	21.29	21.29	22.4	0	
5	64QAM	1	12	21.24	21.24	21.24			
5	64QAM	1	24	21.32	21.32	21.32			
5	64QAM	12	0	20.29	20.29	20.29			
5	64QAM	12	7	20.32	20.32	20.32	22	0.4	
5	64QAM	12	13	20.31	20.31	20.31			
5	64QAM	25	0	20.30	20.30	20.30			
5	256QAM	1	0	18.28	18.28	18.28	20	2.4	
5	256QAM	1	12	18.28	18.28	18.28			
5	256QAM	1	24	18.30	18.30	18.30			
5	256QAM	12	0	18.24	18.24	18.24			
5	256QAM	12	7	18.22	18.22	18.22	20	2.4	
5	256QAM	12	13	18.30	18.30	18.30			
5	256QAM	25	0	18.27	18.27	18.27			

Band 42 FCC Part27Q												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				42190	42690	42990	3600	3600	3600			
20	QPSK	1	0	14.37	14.41	14.32	15.1	0				
20	QPSK	1	48	14.28	14.22	14.23						
20	QPSK	1	96	14.21	14.23	14.32						
20	QPSK	50	0	14.34	14.37	14.15						
20	QPSK	50	24	14.25	14.13	14.29	15.1	0				
20	QPSK	50	50	14.26	14.20	14.27						
20	QPSK	100	0	14.09	14.33	14.29						
20	HQDM	1	0	14.22	14.30	14.19						
20	HQDM	1	48	14.19	14.25	14.30	15.1	0				
20	HQDM	1	96	14.17	14.28	14.21						
20	HQDM	50	0	14.24	14.26	14.23						
20	HQDM	50	24	14.30	14.25	14.34						
20	HQDM	100	0	14.27	14.25	14.27	15.1	0				
20	HQDM	1	0	14.15	14.35	14.27						
20	HQDM	1	48	14.31	14.30	14.39						
20	HQDM	1	96	14.33	14.33	14.11	15.1	0				
20	HQDM	50	0	14.29	14.40	14.30						
20	HQDM	50	24	14.17	14.23	14.32						
20	HQDM	50	50	14.35	14.27	14.31						
20	HQDM	100	0	14.30	14.22	14.29	15.1	0				
20	25SQDM	1	0	14.37	14.24	14.30						
20	25SQDM	1	48	14.22	14.22	14.15						
20	25SQDM	1	96	14.25	14.23	14.32	15.1	0				
20	25SQDM	50	0	14.26	14.28	14.36						
20	25SQDM	50	24	14.35	14.28	14.15						
20	25SQDM	50	50	14.38	14.34	14.30						
20	25SQDM	100	0	14.28	14.33	14.40	15.1	0				
Channel												
Frequency (MHz)				43165	43660	43915				Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	14.20	14.25	14.21	15.1	0				
15	QPSK	1	37	14.11	14.15	14.22						
15	QPSK	1	74	14.06	14.19	14.31						
15	QPSK	36	0	14.20	14.24	14.11						
15	QPSK	36	20	14.15	14.13	14.12	15.1	0				
15	QPSK	36	39	14.09	14.13	14.14						
15	QPSK	75	0	14.01	14.20	14.15						
15	HQDM	1	0	14.11	14.21	13.99						
15	HQDM	1	37	14.08	14.21	14.15	15.1	0				
15	HQDM	1	74	14.02	14.10	14.10						
15	HQDM	36	0	14.12	14.23	14.08						
15	HQDM	36	20	14.20	14.15	14.18	15.1	0				
15	HQDM	36	39	14.08	14.19	14.28						
15	HQDM	75	0	14.18	14.19	14.23						
15	HQDM	1	0	14.04	14.21	14.30						
15	HQDM	1	37	14.19	14.28	14.19	15.1	0				
15	HQDM	1	74	14.06	14.26	14.30						
15	HQDM	36	0	14.12	14.25	14.20						
15	HQDM	36	20	14.09	14.12	14.15	15.1	0				
15	HQDM	36	39	14.14	14.12	14.24						
15	HQDM	75	0	14.25	14.15	14.12						
15	25SQDM	1	0	14.23	14.14	14.18	15.1	0				
15	25SQDM	1	37	14.09	14.05	14.02						
15	25SQDM	1	74	14.09	14.10	14.13						
15	25SQDM	36	0	14.19	14.17	14.22						
15	25SQDM	36	20	14.19	14.10	14.08	15.1	0				
15	25SQDM	36	39	14.23	14.18	14.22						
15	25SQDM	75	0	14.10	14.22	14.30						
Channel												
Frequency (MHz)				44140	44565	44900	Turn-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	14.30	14.32	14.24	15.1	0				
10	QPSK	1	25	14.13	14.12	14.12						
10	QPSK	1	49	14.05	14.14	14.21						
10	QPSK	36	0	14.23	14.27	14.10						
10	QPSK	25	12	14.20	14.10	14.07	15.1	0				
10	QPSK	25	25	14.08	14.15	14.16						
10	QPSK	50	0	14.02	14.19	14.14						
10	HQDM	1	0	14.22	14.28	14.09						
10	HQDM	1	25	14.08	14.18	14.13	15.1	0				
10	HQDM	1	49	14.10	14.08	14.04						
10	HQDM	25	0	14.08	14.24	14.13						
10	HQDM	25	12	14.15	14.10	14.17	15.1	0				
10	HQDM	25	25	14.10	14.20	14.21						
10	HQDM	50	0	14.17	14.18	14.14						
10	HQDM	1	0	14.10	14.27	14.28	15.1	0				
10	HQDM	1	25	14.17	14.19	14.29						
10	HQDM	25	0	14.19	14.28	14.13						
10	HQDM	25	12	14.08	14.10	14.16	15.1	0				
10	HQDM	25	25	14.25	14.14	14.22						
10	HQDM	50	0	14.25	14.18	14.20						
10	25SQDM	1	0	14.27	14.24	14.17	15.1	0				
10	25SQDM	1	25	14.19	14.06	14.10						
10	25SQDM	1	49	14.15	14.10	14.23						
10	25SQDM	25	0	14.24	14.18	14.17						
10	25SQDM	25	12	14.26	14.20	14.06	15.1	0				
10	25SQDM	25	25	14.19	14.22	14.19						
10	25SQDM	50	0	14.24	14.23	14.28						
Channel												
Frequency (MHz)				45015	45090	45095	Turn-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	14.29	14.31	14.29	15.1	0				
5	QPSK	1	12	14.09	14.14	14.15						
5	QPSK	1	24	14.05	14.15	14.20						
5	QPSK	12	0	14.17	14.02	14.09						
5	QPSK	12	7	14.19	14.02	14.09	15.1	0				
5	QPSK	12	13	14.17	14.13	14.20						
5	QPSK	25	0	14.06	14.21	14.07						
5	HQDM	1	0	14.14	14.24	13.99						
5	HQDM	1	12	14.06	14.28	14.20	15.1	0				
5	HQDM	1	24	14.04	14.11	13.99						
5	HQDM	12	0	14.10	14.20	14.05						
5	HQDM	12	7	14.23	14.09	14.20	15.1	0				
5	HQDM	12	13	14.12	14.11	14.27						
5	HQDM	25	0	14.18	14.18	14.25						
5	HQDM	1	0	14.02	14.27	14.23	15.1	0				
5	HQDM	1	12	14.19	14.29	14.29						
5	HQDM	1	24	14.26	14.21	14.05						
5	HQDM	12	0	14.15	14.29	14.11	15.1	0				
5	HQDM	12	7	14.26	14.15	14.18						
5	HQDM	12	13	14.27	14.11	14.28						
5	HQDM	25	0	14.21	14.30	14.09						
5	25SQDM	1	0	14.20	14.19	14.10	15.1	0				
5	25SQDM	1	12	14.08	14.18	14.05						
5	25SQDM	1	24	14.15	14.03	14.14						
5	25SQDM	12	0	14.22	14.20	14.20						
5	25SQDM	12	7	14.21	14.19	14.14	15.1	0				
5	25SQDM	12	13	14.28	14.25	14.23						
5	25SQDM	25	0	14.18	14.21	14.27						

Reduced Power Mode for DS86										
Band 66										
Ref (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 150072	Power Middle Ch. Freq. 150322	Power High Ch. Freq. 150572	Take-up Rate (dB)	MPS (dB)		
Channel				150072	150322	150572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	18.97	18.51	18.18	20.5	0		
20	QPSK	1	49	18.98	18.98	18.87				
20	QPSK	1	99	18.88	19.03	18.65				
20	QPSK	50	0	19.00	19.00	18.98				
20	QPSK	50	24	18.89	18.96	19.05	20.5	0		
20	QPSK	50	50	18.95	18.97	18.66				
20	QPSK	100	0	19.01	19.02	19.01				
20	16QAM	1	0	18.91	18.94	18.98	20.5	0		
20	16QAM	1	49	18.90	18.92	18.63				
20	16QAM	1	99	18.87	18.92	18.85				
20	16QAM	50	0	19.07	18.97	18.97				
20	16QAM	50	24	18.98	18.85	18.98	20.5	0		
20	16QAM	50	50	18.87	18.93	19.03				
20	16QAM	100	0	18.85	18.90	19.08				
20	64QAM	1	0	18.98	18.97	19.07	20.5	0		
20	64QAM	1	49	18.91	18.98	18.91				
20	64QAM	1	99	18.95	18.90	18.98				
20	64QAM	50	0	19.02	18.98	19.03				
20	64QAM	50	24	18.94	18.94	18.98	20.5	0		
20	64QAM	50	50	18.92	18.97	18.98				
20	64QAM	100	0	19.04	18.90	18.90				
20	256QAM	1	0	18.47	18.61	18.58	20	0.5		
20	256QAM	1	49	18.49	18.51	18.55				
20	256QAM	1	99	18.62	18.56	18.51				
20	256QAM	50	0	18.62	18.60	18.67				
20	256QAM	50	24	18.61	18.56	18.51	20	0.5		
20	256QAM	50	50	18.49	18.60	18.46				
20	256QAM	100	0	18.48	18.58	18.60				
Channel				150047	150322	150597	Take-up Rate (dB)	MPS (dB)		
Frequency (MHz)				1747.5	1743	1722.5				
15	QPSK	1	0	18.15	18.15	18.05	20.5	0		
15	QPSK	1	37	18.80	18.80	18.77				
15	QPSK	1	74	18.86	18.90	18.85				
15	QPSK	36	0	18.95	18.94	18.85				
15	QPSK	36	20	18.75	18.83	18.89	20.5	0		
15	QPSK	36	39	18.77	18.78	18.60				
15	QPSK	75	0	18.87	18.90	18.93				
15	16QAM	1	0	18.82	18.77	18.85	20.5	0		
15	16QAM	1	37	18.81	18.83	18.77				
15	16QAM	1	74	18.79	18.82	18.81				
15	16QAM	36	0	18.98	18.84	18.88				
15	16QAM	36	20	18.84	18.76	18.88	20.5	0		
15	16QAM	36	39	18.83	18.82	18.67				
15	16QAM	75	0	18.74	18.76	18.85				
15	64QAM	1	0	18.87	18.91	18.94	20.5	0		
15	64QAM	1	37	18.83	18.89	18.79				
15	64QAM	1	74	18.87	18.85	18.90				
15	64QAM	36	0	19.00	18.88	18.88	20.5	0		
15	64QAM	36	20	18.80	18.75	18.86				
15	64QAM	36	39	18.82	18.95	18.83				
15	64QAM	75	0	18.95	18.89	18.80				
15	256QAM	1	0	18.35	18.84	18.51	20	0.5		
15	256QAM	1	37	18.38	18.42	18.48				
15	256QAM	1	74	18.50	18.45	18.47				
15	256QAM	36	0	18.53	18.47	18.47				
15	256QAM	36	20	18.50	18.44	18.42	20	0.5		
15	256QAM	36	39	18.40	18.53	18.38				
15	256QAM	75	0	18.48	18.45	18.52				
Channel				150022	150322	150622	Take-up Rate (dB)	MPS (dB)		
Frequency (MHz)				1743.5	1743	1770				
10	QPSK	1	0	18.76	18.90	18.80	20.5	0		
10	QPSK	1	25	18.82	18.82	18.76				
10	QPSK	1	49	18.77	18.99	18.85				
10	QPSK	25	0	18.89	18.99	18.83				
10	QPSK	25	12	18.85	18.87	18.87	20.5	0		
10	QPSK	25	12	18.85	18.87	18.87				
10	QPSK	25	25	18.80	18.76	18.80				
10	QPSK	80	0	18.83	18.89	18.84				
10	16QAM	1	0	18.73	18.87	18.84	20.5	0		
10	16QAM	1	25	18.88	18.86	18.73				
10	16QAM	1	49	18.88	18.74	18.84				
10	16QAM	25	0	18.88	18.78	18.82				
10	16QAM	25	12	18.88	18.82	18.80	20.5	0		
10	16QAM	25	12	18.88	18.82	18.80				
10	16QAM	25	25	18.80	18.84	18.80				
10	16QAM	50	0	18.79	18.77	18.91				
10	64QAM	1	0	18.89	18.86	18.88	20.5	0		
10	64QAM	1	25	18.76	18.84	18.81				
10	64QAM	1	49	18.84	18.81	18.83				
10	64QAM	25	0	18.97	18.99	18.84				
10	64QAM	25	12	18.79	18.80	18.88	20.5	0		
10	64QAM	25	25	18.87	18.87	18.85				
10	64QAM	80	0	18.98	18.90	18.73				
10	256QAM	1	0	18.39	18.51	18.45	20	0.5		
10	256QAM	1	25	18.40	18.41	18.45				
10	256QAM	1	49	18.51	18.45	18.40				
10	256QAM	25	0	18.51	18.48	18.49				
10	256QAM	25	12	18.52	18.46	18.42	20	0.5		
10	256QAM	25	25	18.37	18.51	18.39				
10	256QAM	80	0	18.45	18.45	18.52				
Channel				151997	152322	153047	Take-up Rate (dB)	MPS (dB)		
Frequency (MHz)				1747.5	1745	1777.5				
5	QPSK	1	0	18.74	18.87	18.74	20.5	0		
5	QPSK	1	12	18.85	18.82	18.73				
5	QPSK	1	24	18.81	18.99	18.89				
5	QPSK	12	0	18.86	18.93	18.85				
5	QPSK	12	7	18.80	18.89	18.91	20.5	0		
5	QPSK	12	13	18.87	18.74	18.80				
5	QPSK	25	0	18.79	18.91	18.87				
5	16QAM	1	0	18.80	18.87	18.88	20.5	0		
5	16QAM	1	12	18.78	18.82	18.73				
5	16QAM	1	24	18.79	18.73	18.90				
5	16QAM	12	0	18.91	18.81	18.85				
5	16QAM	12	7	18.93	18.79	18.88	20.5	0		
5	16QAM	12	13	18.79	18.79	18.94				
5	16QAM	25	0	18.85	18.76	18.69				
5	16QAM	1	0	18.86	18.80	18.88				
5	64QAM	1	12	18.84	18.91	18.85	20.5	0		
5	64QAM	1	24	18.88	18.81	18.84				
5	64QAM	19	0	18.91	18.88	18.85				
5	64QAM	12	7	18.87	18.76	18.87				
5	64QAM	12	13	18.81	18.86	18.86	20.5	0		
5	64QAM	25	0	18.95	18.80	18.75				
5	256QAM	1	0	18.35	18.50	18.50				
5	256QAM	1	12	18.41	18.41	18.44	20	0.5		
5	256QAM	1	24	18.53	18.47	18.39				
5	256QAM	12	0	18.50	18.49	18.49				
5	256QAM	12	7	18.49	18.47	18.40				
5	256QAM	12	13	18.38	18.52	18.34	20	0.5		
5	256QAM	25	0	18.49	18.45	18.52				
Channel				151979	152322	153094	Take-up Rate (dB)	MPS (dB)		
Frequency (MHz)				1743.7	1745	1779.3				
1.4	QPSK	1	0	18.76	18.90	18.86	20.5	0		
1.4	QPSK	1	14	18.82	18.82	18.80				
1.4	QPSK	1	28	18.77	18.99	18.86				
1.4	QPSK	3	0	18.89	18.99	18.83				
1.4	QPSK	3	0	18.87	18.87	18.87	20.5	0		
1.4	QPSK	3	3	18.80	18.76	18.80				
1.4	QPSK	8	0	18.83	18.89	18.84				
1.4	QPSK	15	0	18.81	18.92	18.83				
1.4	16QAM	1	0	18.84	18.82	18.83	20.5	0		
1.4	16QAM	1	14	18.78	18.78	18.78				
1.4	16QAM	1	28	18.85	18.85	18.78				
1.4	16QAM	8	0	18.91	18.79	18.93				
1.4	16QAM	8	0	18.80	18.84	18.95	20.5	0		
1.4	16QAM	15	0	18.78	18.74	18.84				
1.4	16QAM	1	0	18.81	18.84	18.86				
1.4	16QAM	14	0	18.76	18.77	18.77	20.5	0		
1.4	16QAM	8	0	18.80	18.80	18.80				
1.4	16QAM	8	15	18.83	18.96	18.87				
1.4	16QAM	15	0	18.97	18.82	18.88				
1.4	16QAM	8	0	18.85	18.85	18.85	20.5	0		
1.4	16QAM	8	15	18.87	18.97	18.87				
1.4	16QAM	1	0	18.97	18.82	18.88				
1.4	256QAM	1	14	18.53	18.48	18.42	20	0.5		
1.4	256QAM	1	28	18.54	18.48	18.42				
1.4	256QAM	3	0	18.50	18.49	18.49				
1.4	256QAM	3	3	18.49	18.46	18.35				
1.4	256QAM	8	0	18.40	18.51	18.38	20	0.5		
1.4	256QAM	8	15	18.42	18.46	18.47				
1.4	256QAM	1	0	18.48	18.47	18.52				

Band 42 FCC Part27Q											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				42190	42990	43000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3400	3500	3540					
20	QPSK	1	0	22.55	22.71	22.48	24	0			
20	QPSK	1	48	22.44	22.49	22.48					
20	QPSK	1	99	22.54	22.69	22.46					
20	QPSK	50	0	22.45	22.51	22.39					
20	QPSK	50	24	22.34	22.48	22.44	24	0			
20	QPSK	50	50	22.50	22.45	22.50					
20	QPSK	100	0	22.50	22.50	22.37					
20	16QAM	1	0	22.42	22.56	22.43					
20	16QAM	1	48	22.37	22.41	22.36	24	0			
20	16QAM	1	99	22.43	22.48	22.45					
20	16QAM	50	0	22.53	22.46	22.34					
20	16QAM	50	24	22.53	22.41	22.33					
20	16QAM	50	50	22.36	22.50	22.34	23	1			
20	16QAM	100	0	22.31	22.46	22.27					
20	16QAM	1	0	22.43	22.43	22.22					
20	16QAM	1	48	22.38	22.52	22.28					
20	16QAM	1	99	22.36	22.34	22.35	23	1			
20	16QAM	50	0	21.70	21.81	21.82					
20	16QAM	50	24	21.74	21.73	21.64					
20	16QAM	50	50	21.76	21.72	21.73					
20	16QAM	100	0	21.69	21.82	21.80	22	2			
20	256QAM	1	0	19.77	19.86	19.67					
20	256QAM	1	48	19.79	19.85	19.70					
20	256QAM	1	99	19.81	19.89	19.70					
20	256QAM	50	0	19.63	19.83	19.64	20	4			
20	256QAM	50	24	19.72	19.82	19.75					
20	256QAM	50	50	19.71	19.88	19.72					
20	256QAM	100	0	19.69	19.85	19.82					
Channel				3415.5	3500	3547.5	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3457.5	3500	3547.5					
15	QPSK	1	0	22.49	22.60	22.37	24	0			
15	QPSK	1	37	22.42	22.39	22.44					
15	QPSK	1	74	22.43	22.41	22.42					
15	QPSK	36	0	22.45	22.54	22.23					
15	QPSK	36	20	22.22	22.29	22.30	24	0			
15	QPSK	36	36	22.48	22.44	22.38					
15	QPSK	75	0	22.40	22.54	22.34					
15	16QAM	1	0	22.35	22.51	22.35					
15	16QAM	1	37	22.17	22.33	22.38	24	0			
15	16QAM	1	74	22.33	22.43	22.42					
15	16QAM	36	0	22.20	22.49	22.32					
15	16QAM	36	36	22.25	22.25	22.30					
15	16QAM	36	39	22.25	22.11	22.11	23	1			
15	16QAM	75	0	22.15	22.21	22.03					
15	16QAM	1	0	22.15	22.28	22.18					
15	16QAM	1	37	22.32	22.18	22.08					
15	16QAM	1	74	22.50	22.16	22.11	22	2			
15	16QAM	36	0	21.62	21.68	21.75					
15	16QAM	36	20	21.99	21.68	21.53					
15	16QAM	36	39	21.71	21.52	21.68					
15	16QAM	75	0	21.52	21.59	21.75	20	4			
15	256QAM	1	0	19.65	19.72	19.53					
15	256QAM	1	37	19.76	19.82	19.82					
15	256QAM	1	74	19.72	19.74	19.57					
15	256QAM	36	0	19.69	19.71	19.57	20	4			
15	256QAM	36	20	19.61	19.65	19.63					
15	256QAM	36	39	19.61	19.84	19.57					
15	256QAM	75	0	19.50	19.71	19.78					
Channel				3465	3500	3545	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3465.5	3500	3545.5					
10	QPSK	1	0	22.48	22.52	22.41	24	0			
10	QPSK	1	25	22.32	22.42	22.44					
10	QPSK	1	49	22.40	22.48	22.48					
10	QPSK	36	0	22.47	22.62	22.33					
10	QPSK	25	12	22.23	22.38	22.39	24	0			
10	QPSK	25	25	22.38	22.48	22.42					
10	QPSK	50	0	22.37	22.54	22.35					
10	16QAM	1	0	22.32	22.60	22.35					
10	16QAM	1	25	22.20	22.43	22.40	24	0			
10	16QAM	1	49	22.36	22.48	22.33					
10	16QAM	25	0	22.28	22.38	22.26					
10	16QAM	25	12	22.07	22.22	22.22					
10	16QAM	25	25	22.26	22.11	22.12	23	1			
10	16QAM	50	0	22.19	22.29	22.03					
10	16QAM	1	0	22.23	22.28	22.18					
10	16QAM	1	25	22.24	22.20	22.11					
10	16QAM	1	49	22.29	22.11	22.21	23	1			
10	16QAM	25	0	21.66	21.65	21.64					
10	16QAM	25	12	21.69	21.70	21.54					
10	16QAM	25	25	21.74	21.60	21.59					
10	16QAM	50	0	21.63	21.67	21.67	20	4			
10	256QAM	1	0	19.63	19.72	19.58					
10	256QAM	1	25	19.68	19.86	19.46					
10	256QAM	1	49	19.72	19.75	19.57					
10	256QAM	25	0	19.73	19.73	19.46	20	4			
10	256QAM	25	12	19.68	19.73	19.56					
10	256QAM	25	25	19.69	19.75	19.55					
10	256QAM	50	0	19.68	19.75	19.58					
Channel				43115	42990	43005	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3462.5	3500	3547.5					
5	QPSK	1	0	22.39	22.53	22.32	24	0			
5	QPSK	1	12	22.36	22.39	22.53					
5	QPSK	1	24	22.50	22.43	22.45					
5	QPSK	12	7	22.39	22.60	22.27					
5	QPSK	12	7	22.30	22.59	22.31	24	0			
5	QPSK	12	13	22.38	22.41	22.47					
5	QPSK	25	0	22.39	22.47	22.39					
5	16QAM	1	0	22.42	22.59	22.39					
5	16QAM	1	12	22.18	22.42	22.39	24	0			
5	16QAM	1	24	22.39	22.51	22.33					
5	16QAM	12	0	22.24	22.34	22.25					
5	16QAM	12	7	22.09	22.29	22.21					
5	16QAM	12	13	22.25	22.11	22.09	23	1			
5	16QAM	25	0	22.20	22.28	22.01					
5	16QAM	1	0	22.16	22.21	22.12					
5	16QAM	1	12	22.33	22.24	22.00					
5	16QAM	1	24	22.29	22.14	22.10	22	2			
5	16QAM	12	0	21.65	21.69	21.78					
5	16QAM	12	7	21.67	21.58	21.62					
5	16QAM	12	13	21.70	21.55	21.60					
5	16QAM	25	0	21.14	21.73	21.74	20	4			
5	256QAM	1	0	19.69	19.82	19.50					
5	256QAM	1	12	19.65	19.67	19.53					
5	256QAM	1	24	19.68	19.75	19.54					
5	256QAM	12	0	19.81	19.75	19.58	20	4			
5	256QAM	12	7	19.67	19.75	19.63					
5	256QAM	12	13	19.64	19.70	19.68					
5	256QAM	25	0	19.69	19.81	19.70					

Reduced Power Mode for PA (Reference Designator) DS16

Band 66 Ant0										
BW (MHz)	Modulation	RS Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Freq	Time-to-Exit (dBm)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.00	19.00	18.87	20.5	0		
20	QPSK	1	49	18.79	18.78	18.89				
20	QPSK	1	99	18.34	18.77	18.85				
20	QPSK	50	0	18.80	18.98	18.89				
20	QPSK	50	24	18.83	18.81	18.75	20.5	0		
20	QPSK	100	0	18.70	18.83	18.72				
20	16QAM	1	0	18.72	18.95	18.80				
20	16QAM	1	49	18.75	18.69	18.89				
20	16QAM	1	99	18.70	18.80	18.80	20.5	0		
20	16QAM	50	0	18.68	18.79	18.85				
20	16QAM	50	24	18.87	18.64	18.70				
20	16QAM	100	0	18.78	18.93	18.82				
20	256QAM	1	0	18.16	18.43	18.10	20	0.5		
20	256QAM	1	49	18.17	18.50	18.17				
20	256QAM	1	99	18.13	18.44	18.14				
20	256QAM	50	0	18.25	18.49	18.16				
20	256QAM	50	24	18.12	18.42	18.21				
20	256QAM	50	50	18.20	18.53	18.08				
20	256QAM	100	0	18.15	18.45	18.10				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.85	18.88	18.77	20.5	0		
15	QPSK	1	37	18.70	18.69	18.84				
15	QPSK	1	74	18.78	18.68	18.72				
15	QPSK	36	0	18.75	18.88	18.87		20.5	0	
15	QPSK	36	20	18.67	18.69	18.82				
15	QPSK	36	39	18.42	18.68	18.82				
15	QPSK	75	0	18.64	18.75	18.59				
15	16QAM	1	0	18.81	18.89	18.56	20.5	0		
15	16QAM	1	37	18.64	18.57	18.58				
15	16QAM	1	74	18.55	18.65	18.65				
15	16QAM	36	0	18.60	18.75	18.52				
15	16QAM	36	20	18.72	18.52	18.57				
15	16QAM	36	39	18.70	18.83	18.58				
15	16QAM	75	0	18.64	18.60	18.55				
15	16QAM	1	0	18.71	18.60	18.55				
15	16QAM	1	37	18.49	18.68	18.52				
15	16QAM	1	74	18.63	18.58	18.45				
15	16QAM	36	0	18.58	18.51	18.45				
15	16QAM	36	20	18.49	18.54	18.59				
15	16QAM	36	39	18.77	18.55	18.52				
15	16QAM	75	0	18.63	18.88	18.48				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.93	18.87	18.72	20.5	0		
10	QPSK	1	25	18.74	18.60	18.84				
10	QPSK	1	49	18.83	18.87	18.75				
10	QPSK	25	0	18.72	18.88	18.63		20.5	0	
10	QPSK	25	12	18.79	18.68	18.81				
10	QPSK	25	25	18.50	18.63	18.62				
10	QPSK	50	0	18.65	18.79	18.68	20.5	0		
10	16QAM	1	0	18.60	18.85	18.40				
10	16QAM	1	25	18.54	18.59	18.58				
10	16QAM	1	49	18.56	18.69	18.78				
10	16QAM	25	0	18.60	18.73	18.63				
10	16QAM	25	12	18.30	18.50	18.05				
10	16QAM	25	25	18.80	18.85	18.55				
10	16QAM	50	0	18.65	18.65	18.63				
10	16QAM	1	0	18.73	18.63	18.55				
10	16QAM	1	25	18.53	18.62	18.54				
10	16QAM	1	49	18.58	18.53	18.61				
10	16QAM	25	0	18.55	18.48	18.54				
10	16QAM	25	12	18.57	18.58	18.51				
10	16QAM	25	25	18.73	18.62	18.59				
10	16QAM	50	0	18.51	18.85	18.40				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.89	18.95	18.81	20.5	0		
5	QPSK	1	12	18.71	18.68	18.82				
5	QPSK	1	24	18.85	18.67	18.68				
5	QPSK	12	0	18.78	18.90	18.87		20.5	0	
5	QPSK	12	7	18.75	18.66	18.87				
5	QPSK	12	13	18.52	18.59	18.58				
5	QPSK	25	0	18.56	18.72	18.63	20.5	0		
5	16QAM	1	0	18.68	18.84	18.61				
5	16QAM	1	12	18.67	18.63	18.57				
5	16QAM	1	24	18.61	18.68	18.64				
5	16QAM	12	0	18.60	18.65	18.54				
5	16QAM	12	7	18.75	18.50	18.64				
5	16QAM	12	13	18.78	18.85	18.58				
5	16QAM	25	0	18.68	18.58	18.55				
5	16QAM	1	0	18.75	18.63	18.59				
5	16QAM	1	12	18.48	18.69	18.49				
5	16QAM	1	24	18.55	18.50	18.65				
5	16QAM	12	0	18.63	18.52	18.55				
5	16QAM	12	7	18.56	18.54	18.61				
5	16QAM	12	13	18.78	18.46	18.61				
5	16QAM	25	0	18.64	18.86	18.51				
5	256QAM	1	0	18.08	18.37	17.99				
5	256QAM	1	12	18.03	18.42	18.09				
5	256QAM	1	24	18.95	18.29	18.03				
5	256QAM	12	0	18.11	18.33	18.04				
5	256QAM	12	7	17.96	18.30	18.11				
5	256QAM	12	13	18.13	18.45	17.99				
5	256QAM	25	0	18.06	18.36	18.04				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.93	18.87	18.72	20.5	0		
3	QPSK	1	8	18.64	18.62	18.55				
3	QPSK	1	14	18.86	18.63	18.87				
3	QPSK	8	0	18.74	18.94	18.59		20.5	0	
3	QPSK	8	4	18.74	18.71	18.54				
3	QPSK	8	7	18.47	18.68	18.63				
3	QPSK	16	0	18.65	18.73	18.63	20.5	0		
3	16QAM	1	0	18.67	18.82	18.46				
3	16QAM	1	8	18.57	18.56	18.56				
3	16QAM	1	14	18.55	18.70	18.69		20.5	0	
3	16QAM	8	0	18.56	18.68	18.64				
3	16QAM	8	4	18.75	18.54	18.65				
3	16QAM	8	7	18.78	18.85	18.56		20.5	0	
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8	18.58	18.53	18.64				
3	16QAM	1	14	18.67	18.57	18.64				
3	16QAM	8	0	18.56	18.66	18.55				
3	16QAM	8	4	18.75	18.56	18.65				
3	16QAM	8	7	18.78	18.86	18.57				
3	16QAM	16	0	18.73	18.50	18.61				
3	16QAM	1	0	18.51	18.62	18.62				
3	16QAM	1	8							

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	Pi2 BPSK	1	1	12.79	13.29	12.98	13.8	0.0
40	Pi2 BPSK	1	53	12.68	13.18	13.03		
40	Pi2 BPSK	1	104	12.67	13.23	12.98		
40	Pi2 BPSK	50	0	12.44	12.89	12.80		
40	Pi2 BPSK	50	28	12.90	13.25	12.93	13.8	0.0
40	Pi2 BPSK	50	56	12.39	12.89	12.43	13.8	0.0
40	Pi2 BPSK	100	0	12.46	12.80	12.50		
40	QPSK	1	1	13.23	13.30	13.10		
40	QPSK	1	53	12.76	13.20	12.98		
40	QPSK	1	104	12.80	13.21	12.98	13.8	0.0
40	QPSK	50	0	12.97	13.09	13.07		
40	QPSK	50	28	13.03	13.19	13.06		
40	QPSK	50	56	13.04	13.06	12.97		
40	QPSK	100	0	12.94	13.18	13.03	13.8	0.0
40	16QAM	1	1	12.95	13.01	12.90	13.8	0.0
40	64QAM	1	1	13.19	13.13	12.96	13.8	0.0
40	256QAM	1	1	13.10	13.25	13.04	13.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	12.34	12.73	12.48	13.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.64	13.11	12.85	13.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	12.81	12.94	12.88	13.8	0.0

Reduced Power Mode for DSI 2

Part270 n77

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	11.94	12.03	12.10	12.8	0.0
100	Pi2 BPSK	1	137	12.14	12.16	12.05		
100	Pi2 BPSK	1	271	12.11	12.17	12.00		
100	Pi2 BPSK	135	0	11.70	11.67	11.64		
100	Pi2 BPSK	135	69	12.10	12.13	11.94	12.8	0.0
100	Pi2 BPSK	135	138	11.65	11.69	11.48	12.9	0.0
100	Pi2 BPSK	270	0	11.80	11.67	11.57		
100	QPSK	1	1	12.17	12.19	12.16		
100	QPSK	1	137	12.12	12.08	12.01		
100	QPSK	1	271	12.01	12.05	12.05	12.8	0.0
100	QPSK	135	0	11.97	12.07	12.01		
100	QPSK	135	69	12.13	12.14	12.12		
100	QPSK	135	138	12.01	12.12	11.99		
100	QPSK	270	0	12.07	12.10	12.02	12.8	0.0
100	16QAM	1	1	12.12	12.11	12.07	12.8	0.0
100	64QAM	1	1	12.02	12.00	12.05	12.8	0.0
100	256QAM	1	1	12.06	12.17	12.04	12.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	11.54	11.60	11.53	12.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	11.54	11.59	11.47	12.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.09	12.09	12.01	12.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	11.92	11.99	11.93	12.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	11.98	12.00	11.99	12.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	12.01	12.04	12.04	12.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	11.92	11.94	11.96	12.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	12.03	12.05	12.03	12.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	11.60	11.66	11.45	12.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	12.11	12.06	11.99	12.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	11.94	12.04	11.67	12.8	0.0

Part270 n77 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	14.99	15.13	15.13	15.8	0.0
100	Pi2 BPSK	1	137	15.14	15.21	15.04		
100	Pi2 BPSK	1	271	15.20	15.16	15.02		
100	Pi2 BPSK	135	0	14.86	14.69	14.67		
100	Pi2 BPSK	135	69	15.07	15.04	15.05	15.8	0.0
100	Pi2 BPSK	135	138	14.70	14.77	14.42	15.9	0.0
100	Pi2 BPSK	270	0	14.73	14.71	14.53		
100	QPSK	1	1	15.19	15.33	15.11		
100	QPSK	1	137	15.11	15.21	15.08		
100	QPSK	1	271	15.01	15.20	15.05	15.8	0.0
100	QPSK	135	0	14.95	15.12	15.04		
100	QPSK	135	69	15.13	15.17	15.16		
100	QPSK	135	138	15.07	15.02	14.82		
100	QPSK	270	0	15.04	15.10	14.98	15.8	0.0
100	16QAM	1	1	15.05	15.10	15.03	15.8	0.0
100	64QAM	1	1	14.94	15.06	14.91	15.8	0.0
100	256QAM	1	1	15.07	15.18	15.08	15.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.90	14.97	15.08	15.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.06	15.03	14.99	15.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.07	15.07	14.83	15.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.55	14.59	14.50	15.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.95	14.98	14.94	15.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.54	14.67	14.39	15.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.62	14.56	14.39	15.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.09	15.23	14.97	15.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.04	15.12	15.01	15.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.86	14.97	14.97	15.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.05	15.06	15.05	15.8	0.0

Part27Q n77

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	12.20	63333.4	3500.01		
100	Pi2 BPSK	1	137	12.22			12.8	0.0
100	Pi2 BPSK	1	271	12.26				
100	Pi2 BPSK	135	0	11.84			12.8	0.0
100	Pi2 BPSK	135	69	12.10			12.8	0.0
100	Pi2 BPSK	135	138	11.71			12.8	0.0
100	Pi2 BPSK	270	0	11.78			12.8	0.0
100	QPSK	1	1	12.34				
100	QPSK	1	137	12.21			12.8	0.0
100	QPSK	1	271	12.06				
100	QPSK	135	0	12.12			12.8	0.0
100	QPSK	135	69	12.17			12.8	0.0
100	QPSK	135	138	12.11			12.8	0.0
100	QPSK	270	0	12.15			12.8	0.0
100	16QAM	1	1	12.20			12.8	0.0
100	64QAM	1	1	12.07			12.8	0.0
100	256QAM	1	1	12.28			12.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	12.15	12.12	12.14	12.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	11.69	11.72	11.77	12.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.08	12.01	12.03	12.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	11.62	11.67	11.68	12.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	11.68	11.59	11.60	12.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	12.18	12.18	12.23	12.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	12.17	12.15	12.15	12.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	11.92	11.97	11.99	12.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.12	12.06	12.08	12.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	12.04	12.08	12.03	12.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	12.13	12.13	12.16	12.8	0.0

Part27Q n77 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	15.10	63333.4	3500.01		
100	Pi2 BPSK	1	137	15.25			15.8	0.0
100	Pi2 BPSK	1	271	15.18				
100	Pi2 BPSK	135	0	14.89			15.8	0.0
100	Pi2 BPSK	135	69	15.14			15.8	0.0
100	Pi2 BPSK	135	138	14.69			15.8	0.0
100	Pi2 BPSK	270	0	14.75			15.8	0.0
100	QPSK	1	1	15.30				
100	QPSK	1	137	15.16			15.8	0.0
100	QPSK	1	271	15.16				
100	QPSK	135	0	15.17			15.8	0.0
100	QPSK	135	69	15.29			15.8	0.0
100	QPSK	135	138	15.15			15.8	0.0
100	QPSK	270	0	15.14			15.8	0.0
100	16QAM	1	1	15.23			15.8	0.0
100	64QAM	1	1	15.12			15.8	0.0
100	256QAM	1	1	15.27			15.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.02	15.05	15.09	15.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.67	14.71	14.65	15.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.66	14.65	14.67	15.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.08	15.16	15.11	15.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.03	15.05	15.05	15.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.04	15.10	15.16	15.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.08	15.09	15.06	15.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.20	15.15	15.16	15.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.07	15.03	15.04	15.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.14	15.20	15.18	15.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.07	15.10	15.07	15.8	0.0

Part27O n78

BW [MHz]	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	Pi2 BPSK	1	1	65000.0	3750	3750		
100	Pi2 BPSK	1	137		12.19		12.8	0.0
100	Pi2 BPSK	1	271		12.16			
100	Pi2 BPSK	135	0		11.83		12.8	0.0
100	Pi2 BPSK	135	69		12.12		12.8	0.0
100	Pi2 BPSK	135	138		11.69		12.8	0.0
100	Pi2 BPSK	270	0		11.57		12.8	0.0
100	QPSK	1	1		12.21			
100	QPSK	1	137		12.18		12.8	0.0
100	QPSK	1	271		11.83			
100	QPSK	135	0		12.01		12.8	0.0
100	QPSK	135	69		12.20		12.8	0.0
100	QPSK	135	138		12.14		12.8	0.0
100	QPSK	270	0		12.10		12.8	0.0
100	16QAM	1	1		12.16		12.8	0.0
100	64QAM	1	1		11.98		12.8	0.0
100	256QAM	1	1		12.09		12.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968.0	65000.0	65034.0	Tune-up limit (dB)	MPR (dB)
				3745.02	3750	3755.01		
90	QPSK	1	1	11.99	11.94	11.98	12.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64933.0	65000.0	65066.0	Tune-up limit (dB)	MPR (dB)
				3740.01	3750	3760.02		
80	QPSK	1	1	12.07	12.00	12.04	12.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900.0	65000.0	65100.0	Tune-up limit (dB)	MPR (dB)
				3735	3750	3765		
70	QPSK	1	1	11.68	11.73	11.72	12.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64869.0	65000.0	65134.0	Tune-up limit (dB)	MPR (dB)
				3730.02	3750	3770.01		
60	QPSK	1	1	11.62	11.62	11.64	12.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834.0	65000.0	65168.0	Tune-up limit (dB)	MPR (dB)
				3725.01	3750	3775.02		
50	QPSK	1	1	12.07	12.08	12.13	12.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800.0	65000.0	65200.0	Tune-up limit (dB)	MPR (dB)
				3720	3750	3780		
40	QPSK	1	1	12.02	11.98	12.01	12.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64769.0	65000.0	65234.0	Tune-up limit (dB)	MPR (dB)
				3715.02	3750	3785.01		
30	QPSK	1	1	11.98	11.93	11.89	12.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	64750.0	65000.0	65300.0	Tune-up limit (dB)	MPR (dB)
				3712.5	3750	3787.5		
25	QPSK	1	1	11.94	11.98	12.00	12.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734.0	65000.0	65368.0	Tune-up limit (dB)	MPR (dB)
				3710.01	3750	3793.02		
20	QPSK	1	1	11.99	11.96	12.04	12.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64718.0	65000.0	65434.0	Tune-up limit (dB)	MPR (dB)
				3707.52	3750	3797.51		
15	QPSK	1	1	11.87	11.88	11.93	12.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.08	14.1	14.15	Tune-up limit (dB)	MPR (dB)
				12.08	12.02	12.05	12.8	0.0

Part270 n78 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	3750	3750	3750	15.06	
100	PV2 BPSK	1	137		15.16		15.8	0.0
100	PV2 BPSK	1	271		15.15			
100	PV2 BPSK	135	0		14.78		15.8	0.0
100	PV2 BPSK	135	69		15.07		15.8	0.0
100	PV2 BPSK	135	138		14.67		15.8	0.0
100	PV2 BPSK	270	0		14.81		15.8	0.0
100	QPSK	1	1		15.26			
100	QPSK	1	137		15.13		15.8	0.0
100	QPSK	1	271		15.06			
100	QPSK	135	0		15.11		15.8	0.0
100	QPSK	135	69		15.15		15.8	0.0
100	QPSK	135	138		15.07		15.8	0.0
100	QPSK	270	0		15.08		15.8	0.0
100	16QAM	1	1		15.09		15.8	0.0
100	64QAM	1	1		15.04		15.8	0.0
100	256QAM	1	1		15.21		15.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649568	650000	650334	Tune-up limit (dBm)	MPR (dB)
				3745.02	3750	3755.01		
90	QPSK	1	1	14.97	14.97	14.94	15.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
				3743.01	3750	3760.02		
80	QPSK	1	1	14.64	14.72	14.72	15.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	648500	650000	651000	Tune-up limit (dBm)	MPR (dB)
				3735	3750	3765		
70	QPSK	1	1	14.97	14.95	14.95	15.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	647656	650000	651334	Tune-up limit (dBm)	MPR (dB)
				3730.02	3750	3770.01		
60	QPSK	1	1	14.59	14.52	14.51	15.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	647168	650000	651668	Tune-up limit (dBm)	MPR (dB)
				3725.01	3750	3772.02		
50	QPSK	1	1	15.12	15.12	15.13	15.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	646500	650000	652000	Tune-up limit (dBm)	MPR (dB)
				3720	3750	3780		
40	QPSK	1	1	14.99	15.02	15.02	15.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647056	650000	652500	Tune-up limit (dBm)	MPR (dB)
				3715.02	3750	3785.01		
30	QPSK	1	1	15.14	15.10	15.05	15.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
				3712.5	3750	3787.5		
25	QPSK	1	1	14.95	15.02	14.93	15.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
				3710.01	3750	3790.02		
20	QPSK	1	1	15.00	14.91	14.91	15.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647168	650000	653000	Tune-up limit (dBm)	MPR (dB)
				3707.52	3750	3792.51		
15	QPSK	1	1	15.03	15.08	15.04	15.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
				3705	3750	3795		
10	QPSK	1	1	15.04	14.96	15.04	15.8	0.0

Part27Q n78

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1		12.11			
100	PV2 BPSK	1	137		12.16		12.8	0.0
100	PV2 BPSK	1	271		12.23			
100	PV2 BPSK	135	0		11.77		12.8	0.0
100	PV2 BPSK	135	69		12.03		12.8	0.0
100	PV2 BPSK	135	138		11.67		12.8	0.0
100	PV2 BPSK	270	0		11.60		12.8	0.0
100	QPSK	1	1		12.24			
100	QPSK	1	137		12.20		12.8	0.0
100	QPSK	1	271		12.08			
100	QPSK	135	0		12.08		12.8	0.0
100	QPSK	135	69		12.21		12.8	0.0
100	QPSK	135	138		12.08		12.8	0.0
100	QPSK	270	0		12.09		12.8	0.0
100	16QAM	1	1		12.13		12.8	0.0
100	64QAM	1	1		11.92		12.8	0.0
100	256QAM	1	1		12.18		12.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	12.09	12.07	12.09	12.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3490.02	3500.01	3510		
80	QPSK	1	1	12.14	12.11	12.11	12.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	11.72	11.64	11.72	12.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634568	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	11.91	11.86	11.94	12.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	11.61	11.64	11.69	12.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.59	11.52	11.55	12.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635568	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	12.02	12.10	11.99	12.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.02	12.04	12.01	12.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	11.87	11.93	11.91	12.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.07	12.05	12.07	12.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.14	12.11	12.11	12.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	15.16	15.16			
100	PV2 BPSK	1	137		15.25		15.8	0.0
100	PV2 BPSK	1	271		15.19			
100	PV2 BPSK	135	0		14.78		15.8	0.0
100	PV2 BPSK	135	69		14.85		15.8	0.0
100	PV2 BPSK	135	138		14.69		15.8	0.0
100	PV2 BPSK	270	0		14.85		15.8	0.0
100	QPSK	1	1		15.26			
100	QPSK	1	137		15.06		15.8	0.0
100	QPSK	1	271		15.19			
100	QPSK	135	0		15.08		15.8	0.0
100	QPSK	135	69		15.19		15.8	0.0
100	QPSK	135	138		15.14		15.8	0.0
100	QPSK	270	0		15.04		15.8	0.0
100	16QAM	1	1		15.17		15.8	0.0
100	64QAM	1	1		14.98		15.8	0.0
100	256QAM	1	1		15.25		15.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.96	14.98	14.95	15.8	0.0
90	QPSK	1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.09	15.11	15.07	15.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.86	14.93	14.91	15.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.93	14.98	14.97	15.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.58	14.54	14.61	15.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.94	14.99	14.98	15.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.94	14.93	14.93	15.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.01	15.07	15.14	15.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.85	14.86	14.87	15.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.57	14.65	14.61	15.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.96	15.01	15.02	15.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.93	19.67	19.41	20.2	0.0
100	PI2 BPSK	1	137	19.88	19.58	19.51		
100	PI2 BPSK	1	271	19.62	19.72	19.48		
100	PI2 BPSK	135	0	19.87	19.71	19.73		
100	PI2 BPSK	135	69	19.36	19.53	19.30	20.2	0.0
100	PI2 BPSK	135	138	19.40	19.71	19.58	20.2	0.0
100	PI2 BPSK	270	0	19.44	19.65	19.48		
100	QPSK	1	1	19.41	19.53	19.48	20.2	0.0
100	QPSK	1	137	19.39	19.73	19.40		
100	QPSK	1	271	19.64	19.36	19.45	20.2	0.0
100	QPSK	135	0	19.00	19.08	19.05		
100	QPSK	135	69	19.58	19.81	19.80	20.2	0.0
100	QPSK	135	138	18.93	19.03	19.09	20.2	0.0
100	QPSK	270	0	19.26	19.29	18.96	20.2	0.0
100	16QAM	1	1	19.22	19.05	19.29		
100	64QAM	1	1	18.33	18.79	18.40	19.2	1.0
100	256QAM	1	1	16.50	16.38	16.36	17.2	3.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.72	19.49	19.43	20.2	0.0
80	Channel			649334	656000	662668	Tune-up limit	MPR
	Frequency (MHz)			3740.01	3840	3940.02	(dBm)	(dB)
80	Channel			649000	656000	663000	Tune-up limit	MPR
	Frequency (MHz)			3735	3840	3945	(dBm)	(dB)
70	Channel			649334	656000	663668	Tune-up limit	MPR
	Frequency (MHz)			3740.01	3840	3955.02	(dBm)	(dB)
60	Channel			648334	656000	663668	Tune-up limit	MPR
	Frequency (MHz)			3723.01	3840	3955.02	(dBm)	(dB)
50	Channel			647668	656000	664500	Tune-up limit	MPR
	Frequency (MHz)			3712.5	3840	3957.5	(dBm)	(dB)
40	Channel			647334	656000	664568	Tune-up limit	MPR
	Frequency (MHz)			3710.01	3840	3970.02	(dBm)	(dB)
30	Channel			647000	656000	665000	Tune-up limit	MPR
	Frequency (MHz)			3705	3840	3975	(dBm)	(dB)
20	QPSK	1	1	19.32	18.88	19.11	20.2	0.0

Reduced Power Mode for DSI 3

Part270 n77 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.89	21.21	20.92	22.0	0.0
100	PI2 BPSK	1	137	20.90	21.22	20.93		
100	PI2 BPSK	1	271	20.87	21.23	20.96		
100	PI2 BPSK	135	0	20.42	20.78	20.47		
100	PI2 BPSK	135	69	20.91	21.19	20.88	22.0	0.0
100	PI2 BPSK	135	138	20.43	20.78	20.54	21.5	0.5
100	PI2 BPSK	270	0	20.47	20.79	20.49		
100	QPSK	1	1	20.95	21.25	20.99	22.0	0.0
100	QPSK	1	137	20.82	21.22	20.84		
100	QPSK	1	271	20.83	21.17	20.86	22.0	1.0
100	QPSK	135	0	20.39	20.38	20.40		
100	QPSK	135	69	21.07	21.20	21.12	22.0	0.0
100	QPSK	135	138	20.37	20.34	20.42	21.0	1.0
100	QPSK	270	0	20.36	20.47	20.45	21.0	1.0
100	16QAM	1	1	20.02	20.13	20.07		
100	64QAM	1	1	17.97	18.10	18.05	19.5	2.5
100	256QAM	1	1	16.67	16.74	16.63	17.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.86	21.12	20.89	22.0	0.0
80	Channel			649334	656000	662668	Tune-up limit	MPR
	Frequency (MHz)			3740.01	3840	3940.02	(dBm)	(dB)
80	Channel			649000	656000	663000	Tune-up limit	MPR
	Frequency (MHz)			3735	3840	3945	(dBm)	(dB)
70	Channel			649334	656000	663668	Tune-up limit	MPR
	Frequency (MHz)			3740.01	3840	3955.02	(dBm)	(dB)
60	Channel			648334	656000	663668	Tune-up limit	MPR
	Frequency (MHz)			3723.01	3840	3955.02	(dBm)	(dB)
50	Channel			647668	656000	664500	Tune-up limit	MPR
	Frequency (MHz)			3712.5	3840	3957.5	(dBm)	(dB)
40	Channel			647334	656000	664568	Tune-up limit	MPR
	Frequency (MHz)			3710.01	3840	3970.02	(dBm)	(dB)
30	Channel			647000	656000	665000	Tune-up limit	MPR
	Frequency (MHz)			3705	3840	3975	(dBm)	(dB)
20	QPSK	1	1	20.85	21.21	20.86	22.0	0.0
15	Channel			647168	656000	664534	Tune-up limit	MPR
	Frequency (MHz)			3707.5	3840	3972.5	(dBm)	(dB)
10	Channel			647000	656000	665000	Tune-up limit	MPR
	Frequency (MHz)			3705	3840	3975	(dBm)	(dB)

Part27Q n77

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.90	19.67	19.90	20.2	0.0
100	PI2 BPSK	1	137	19.97	19.58	19.51		
100	PI2 BPSK	1	271	19.90	19.72	19.48		
100	PI2 BPSK	135	0	19.91	19.71	19.73		
100	PI2 BPSK	135	69	20.06	19.53	19.30	20.2	0.0
100	PI2 BPSK	135	138	19.84	19.71	19.58	20.2	0.0
100	PI2 BPSK	270	0	19.92	19.65	19.48		
100	QPSK	1	1	19.97	19.53	19.48	20.2	0.0
100	QPSK	1	137	19.91	19.73	19.40		
100	QPSK	1	271	19.89	19.36	19.45	20.2	0.0
100	QPSK	135	0	19.58	19.08	19.05		
100	QPSK	135	69	20.15	19.81	19.80	20.2	0.0
100	QPSK	135	138	19.39	19.03	19.09	20.2	0.0
100	QPSK	270	0	19.77	19.29	18.96	20.2	0.0
100	16QAM	1	1	19.72	19.05	19.29		
100	64QAM	1	1	18.01	18.79	18.40	20.2	0.0
100	256QAM	1	1	16.12	16.38	16.36	18.2	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.69	19.68	19.70	20.2	0.0
80	Channel			633000	633334	633668	Tune-up limit	MPR
	Frequency (MHz)			3490.02	3500.01	3510	(dBm)	(dB)
80	Channel			632668	633334	634000	Tune-up limit	MPR
	Frequency (MHz)			3485.01	3500.01	3515.01	(dBm)	(dB)
70	Channel			632334	633334	634334	Tune-up limit	MPR
	Frequency (MHz)			3480.01	3500.01	3515.01	(dBm)	(dB)
60	Channel			632000	633334	634968	Tune-up limit	MPR
	Frequency (MHz)			3475.02	3500.01	3525	(dBm)	(dB)
50	Channel			631668	633334	635600	Tune-up limit	MPR
	Frequency (MHz)			3470.01	3500.01	3530.01	(dBm)	(dB)
40	Channel			631334	633334	636234	Tune-up limit	MPR
	Frequency (MHz)			3465.01	3500.01	3537.51	(dBm)	(dB)
30	Channel			631000	633334	636868	Tune-up limit	MPR
	Frequency (MHz)			3460.02	3500.01	3540	(dBm)	(dB)
25	Channel			630668	633334	637500	Tune-up limit	MPR
	Frequency (MHz)			3455.01	3500.01	3545.01	(dBm)	(dB)
20	Channel			630334	633334	638134	Tune-up limit	MPR
	Frequency (MHz)			3450.01	3500.01	3545.01	(dBm)	(dB)
15	Channel			630000	633334	638768	Tune-up limit	MPR
	Frequency (MHz)			3445.01	3500.01	3545.01	(dBm)	(dB)
10	Channel			629668	633334	639400	Tune-up limit	MPR
	Frequency (MHz)			3440.02	3500.01	3545.01	(dBm)	(dB)

Part27Q n77 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	21.90	21.90	21.90		
100	PV2 BPSK	1	137	22.04			23.2	0.0
100	PV2 BPSK	1	271	22.05				
100	PV2 BPSK	135	0	21.67			23.2	0.0
100	PV2 BPSK	135	69	22.13			23.2	0.0
100	PV2 BPSK	135	138	21.63			23.2	0.0
100	PV2 BPSK	270	0	21.52				
100	QPSK	1	1	22.16				
100	QPSK	1	137	22.03			23.2	0.0
100	QPSK	1	271	22.07				
100	QPSK	135	0	20.34			22.0	1.2
100	QPSK	135	69	22.12			23.2	0.0
100	QPSK	135	138	20.33			22.0	1.2
100	QPSK	270	0	20.43				
100	16QAM	1	1	20.30			22.0	1.2
100	64QAM	1	1	19.72			21.5	1.7
100	256QAM	1	1	18.15			19.5	3.7
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.90	21.94	21.87	23.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.59	21.84	21.66	23.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.94	21.88	21.86	23.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.54	21.60	21.59	23.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.59	22.04	22.02	23.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.51	21.56	21.51	23.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.40	21.42	21.39	23.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.59	21.91	21.92	23.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.00	21.91	21.91	23.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.94	22.02	21.94	23.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.98	21.96	21.96	23.2	0.0

Part27O n78

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	19.41	19.41	19.41		
100	PV2 BPSK	1	137	19.40			20.2	0.0
100	PV2 BPSK	1	271	19.42				
100	PV2 BPSK	135	0	19.28			20.2	0.0
100	PV2 BPSK	135	69	19.39			20.2	0.0
100	PV2 BPSK	135	138	19.34			20.2	0.0
100	PV2 BPSK	270	0	19.35				
100	QPSK	1	1	19.44				
100	QPSK	1	137	19.32			20.2	0.0
100	QPSK	1	271	19.38				
100	QPSK	135	0	19.31			20.2	0.0
100	QPSK	135	69	19.32			20.2	0.0
100	QPSK	135	138	19.29			20.2	0.0
100	QPSK	270	0	19.34				
100	16QAM	1	1	19.37			20.2	0.0
100	64QAM	1	1	19.25			18.7	1.5
100	256QAM	1	1	16.33			16.7	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.31	19.30	19.29	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.10	19.25	19.23	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.16	19.17	19.21	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.24	19.21	19.18	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.28	19.29	19.32	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.24	19.14	19.17	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.20	19.14	19.22	20.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.35	19.37	19.38	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.22	19.23	19.20	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.15	19.19	19.18	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.15	19.23	19.14	20.2	0.0

Part27O n78 PC2

BW [MHz]	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	PV2 BPSK	1	1	20.45	20.45	20.45	22.0	0.0
100	PV2 BPSK	1	137	20.38				
100	PV2 BPSK	1	271	20.37				
100	PV2 BPSK	135	0	19.93				
100	PV2 BPSK	135	69	20.42				
100	PV2 BPSK	135	138	19.97				
100	PV2 BPSK	270	0	20.00			21.5	0.5
100	QPSK	1	1	20.49				
100	QPSK	1	137	20.34				
100	QPSK	1	271	20.38			22.0	0.0
100	QPSK	135	0	19.50				
100	QPSK	135	69	20.42				
100	QPSK	135	138	19.44				
100	QPSK	270	0	19.52				
100	16QAM	1	1	19.55				
100	64QAM	1	1	18.25			21.0	2.5
100	256QAM	1	1	16.33				
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.41	20.43	20.45	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.39	20.37	20.43	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.34	20.42	20.39	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.42	20.42	20.36	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.37	20.33	20.41	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.44	20.40	20.33	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.40	20.45	20.41	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.40	20.35	20.43	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.35	20.39	20.33	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.43	20.36	20.34	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.44	20.35	20.39	22.0	0.0

Part27Q n78								
BW (MHz)	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	P1/2 BPSK	1	1	19.60	3500.01	19.60		
100	P1/2 BPSK	1	137	19.48			20.2	0.0
100	P1/2 BPSK	1	271	19.53				
100	P1/2 BPSK	135	0	19.68			20.2	0.0
100	P1/2 BPSK	135	69	19.40			20.2	0.0
100	P1/2 BPSK	135	138	19.52			20.2	0.0
100	P1/2 BPSK	270	0	19.54			20.2	0.0
100	QPSK	1	1	19.79				
100	QPSK	1	137	19.66			20.2	0.0
100	QPSK	1	271	19.62				
100	QPSK	135	0	19.38			20.2	0.0
100	QPSK	135	69	19.54			20.2	0.0
100	QPSK	135	138	19.53			20.2	0.0
100	QPSK	270	0	19.46			20.2	0.0
100	16QAM	1	1	19.50			20.2	0.0
100	64QAM	1	1	19.49			20.2	0.0
100	256QAM	1	1	17.55			19.5	0.7
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.42	19.45	19.41	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.42	19.40	19.43	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.56	19.52	19.53	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.42	19.42	19.37	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.47	19.43	19.40	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.37	19.39	19.38	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.66	19.66	19.65	20.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.58	19.57	19.57	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.58	19.59	19.56	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.26	19.24	19.24	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.37	19.42	19.36	20.2	0.0

Part27Q n78 PC2								
BW (MHz)	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	P1/2 BPSK	1	1	21.96	3500.01	21.96		
100	P1/2 BPSK	1	137	22.07			23.2	0.0
100	P1/2 BPSK	1	271	21.96				
100	P1/2 BPSK	135	0	21.52			23.2	0.0
100	P1/2 BPSK	135	69	21.96			23.2	0.0
100	P1/2 BPSK	135	138	21.58			23.2	0.0
100	P1/2 BPSK	270	0	21.80			23.2	0.0
100	QPSK	1	1	22.16				
100	QPSK	1	137	22.03			23.2	0.0
100	QPSK	1	271	22.00				
100	QPSK	135	0	21.13			23.0	0.2
100	QPSK	135	69	22.10			23.2	0.0
100	QPSK	135	138	21.16			23.0	0.2
100	QPSK	270	0	21.26			23.0	0.2
100	16QAM	1	1	21.46			23.0	0.2
100	64QAM	1	1	20.11			21.5	1.7
100	256QAM	1	1	17.55			19.5	3.7
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.97	21.93	21.99	23.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.90	21.95	21.94	23.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.51	21.53	21.43	23.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.98	21.99	21.88	23.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.38	21.42	21.45	23.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.46	21.47	21.43	23.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.93	21.99	22.00	23.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.54	21.89	21.84	23.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.87	21.89	21.84	23.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.87	21.88	21.92	23.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.39	21.41	21.47	23.2	0.0

Part27Q n78									
BW [MHz]	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	P1/2 BPSK	1	1	16.17	16.17		17.8	0.0	
100	P1/2 BPSK	1	137	16.20					
100	P1/2 BPSK	1	271	15.96					
100	P1/2 BPSK	135	0	16.20					
100	P1/2 BPSK	135	69	16.16			17.8	0.0	
100	P1/2 BPSK	135	138	16.11			17.8	0.0	
100	P1/2 BPSK	270	0	16.10					
100	QPSK	1	1	16.30					
100	QPSK	1	137	16.18					
100	QPSK	1	271	16.20			17.8	0.0	
100	QPSK	135	0	15.94					
100	QPSK	135	69	16.14					
100	QPSK	135	138	16.07					
100	QPSK	270	0	16.86			17.8	0.0	
100	16QAM	1	1	15.88			17.8	0.0	
100	64QAM	1	1	16.07			17.8	0.0	
100	256QAM	1	1	15.99			17.8	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	17.8	0.0	
90	QPSK	1	1	16.07	16.09	16.08	17.8	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	17.8	0.0	
80	QPSK	1	1	16.12	16.03	16.07	17.8	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	17.8	0.0	
70	QPSK	1	1	16.05	16.08	16.05	17.8	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	17.8	0.0	
60	QPSK	1	1	16.04	16.04	16.08	17.8	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	17.8	0.0	
50	QPSK	1	1	16.12	16.07	16.04	17.8	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	17.8	0.0	
40	QPSK	1	1	16.07	16.13	16.06	17.8	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	17.8	0.0	
30	QPSK	1	1	16.08	16.09	16.08	17.8	0.0	
Channel				630634	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	17.8	0.0	
25	QPSK	1	1	16.06	16.02	16.11	17.8	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	17.8	0.0	
20	QPSK	1	1	16.08	16.02	16.04	17.8	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	17.8	0.0	
15	QPSK	1	1	16.05	16.04	16.06	17.8	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	17.8	0.0	
10	QPSK	1	1	16.05	16.03	16.02	17.8	0.0	

Part27Q n78 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	P1/2 BPSK	1	1		19.14		20.8	0.0	
100	P1/2 BPSK	1	137		19.10				
100	P1/2 BPSK	1	271		19.04				
100	P1/2 BPSK	135	0		19.10				
100	P1/2 BPSK	135	69		18.93		20.8	0.0	
100	P1/2 BPSK	135	138		19.05		20.8	0.0	
100	P1/2 BPSK	270	0		19.04				
100	QPSK	1	1		19.26				
100	QPSK	1	137		19.25				
100	QPSK	1	271		19.19		20.8	0.0	
100	QPSK	135	0		18.96				
100	QPSK	135	69		19.21				
100	QPSK	135	138		18.96				
100	QPSK	270	0		19.03		20.8	0.0	
100	16QAM	1	1		18.88		20.8	0.0	
100	64QAM	1	1		19.00		20.8	0.0	
100	256QAM	1	1		19.09		20.8	0.0	
Channel				633060	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	20.8	0.0	
90	QPSK	1	1	19.03	19.08	19.04	20.8	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	20.8	0.0	
80	QPSK	1	1	19.08	19.12	19.07	20.8	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	20.8	0.0	
70	QPSK	1	1	19.02	19.11	19.11	20.8	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	20.8	0.0	
60	QPSK	1	1	19.06	19.08	19.12	20.8	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.8	0.0	
50	QPSK	1	1	19.10	19.07	19.03	20.8	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	20.8	0.0	
40	QPSK	1	1	19.11	19.04	19.02	20.8	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	20.8	0.0	
30	QPSK	1	1	19.07	19.12	19.00	20.8	0.0	
Channel				630634	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	20.8	0.0	
25	QPSK	1	1	19.11	19.05	19.02	20.8	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.8	0.0	
20	QPSK	1	1	19.07	19.07	19.06	20.8	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	20.8	0.0	
15	QPSK	1	1	19.07	19.11	19.11	20.8	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	20.8	0.0	
10	QPSK	1	1	19.08	19.11	19.09	20.8	0.0	

Part270 n77

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.93	19.67	19.41	20.2	0.0
100	PI2 BPSK	1	137	19.88	19.58	19.51		
100	PI2 BPSK	1	271	19.62	19.72	19.48		
100	PI2 BPSK	135	0	19.87	19.71	19.73		
100	PI2 BPSK	135	69	19.36	19.53	19.30	20.2	0.0
100	PI2 BPSK	135	138	19.40	19.71	19.58	20.2	0.0
100	PI2 BPSK	270	0	19.44	19.65	19.48		
100	QPSK	1	1	19.41	19.53	19.48	20.2	0.0
100	QPSK	1	137	19.39	19.73	19.40		
100	QPSK	1	271	19.64	19.36	19.45	20.2	0.0
100	QPSK	135	0	19.00	19.08	19.05		
100	QPSK	135	69	19.58	19.81	19.80	20.2	0.0
100	QPSK	135	138	18.93	19.03	19.09	20.2	0.0
100	QPSK	270	0	19.26	19.29	18.96	20.2	0.0
100	16QAM	1	1	19.22	19.05	19.29		
100	64QAM	1	1	18.33	18.79	18.40	19.2	1.0
100	256QAM	1	1	16.50	16.38	16.36	17.2	3.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.72	19.49	19.43	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.59	19.60	19.32	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.34	19.37	19.15	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.37	19.60	19.38	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.37	19.75	19.34	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.36	19.60	19.28	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.50	19.32	19.39	20.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.93	19.86	19.81	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.58	19.70	19.68	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.80	18.93	19.02	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.22	18.88	19.11	20.2	0.0

Reduced Power Mode for DSI 7

Part270 n77 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.89	21.21	20.92	22.0	0.0
100	PI2 BPSK	1	137	20.90	21.22	20.93		
100	PI2 BPSK	1	271	20.87	21.23	20.96		
100	PI2 BPSK	135	0	20.42	20.78	20.47		
100	PI2 BPSK	135	69	20.91	21.19	20.88	22.0	0.0
100	PI2 BPSK	135	138	20.43	20.78	20.54	21.5	0.5
100	PI2 BPSK	270	0	20.47	20.79	20.49		
100	QPSK	1	1	20.95	21.25	20.99	22.0	0.0
100	QPSK	1	137	20.92	21.22	20.94		
100	QPSK	1	271	20.83	21.17	20.96	21.0	1.0
100	QPSK	135	0	20.39	20.38	20.40		
100	QPSK	135	69	21.07	21.20	21.12	22.0	0.0
100	QPSK	135	138	20.37	20.34	20.42	21.0	1.0
100	QPSK	270	0	20.36	20.47	20.45	21.0	1.0
100	16QAM	1	1	20.02	20.13	20.07		
100	64QAM	1	1	17.97	18.10	18.05	19.5	2.5
100	256QAM	1	1	16.67	16.74	16.63	17.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.86	21.12	20.89	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.10	20.91	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.81	21.19	20.96	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.91	21.16	20.92	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.90	21.10	20.91	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.87	21.15	20.86	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.81	21.14	20.96	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.91	21.10	20.92	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.85	21.21	20.86	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.90	21.16	20.93	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.82	21.17	20.85	22.0	0.0

Part27Q n77

BW [MHz]	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	PI2 BPSK	1	1	19.90	19.90		20.2	0.0
100	PI2 BPSK	1	137	19.97				
100	PI2 BPSK	1	271	19.90				
100	PI2 BPSK	135	0	19.91		19.91		
100	PI2 BPSK	135	69		20.06		20.2	0.0
100	PI2 BPSK	135	138		19.84		20.2	0.0
100	PI2 BPSK	270	0		19.92			
100	QPSK	1	1		20.17		20.2	0.0
100	QPSK	1	137		20.01			
100	QPSK	1	271		19.89		20.2	0.0
100	QPSK	135	0		19.58			
100	QPSK	135	69		20.15		20.2	0.0
100	QPSK	135	138		19.39		20.2	0.0
100	QPSK	270	0		19.77		20.2	0.0
100	16QAM	1	1		19.72			
100	64QAM	1	1		20.01		20.2	0.0
100	256QAM	1	1		18.12		18.2	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.69	19.68	19.70	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.84	19.85	19.80	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.71	19.63	19.68	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.94	20.02	20.02	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.82	19.76	19.79	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.71	19.61	19.81	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.35	19.32	19.40	20.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.35	19.32	19.40	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.20	19.24	19.21	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.62	19.61	19.62	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.43	19.53	19.51	20.2	0.0

Part27Q n77 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	21.90	21.90	21.90		
100	PV2 BPSK	1	137	22.04			23.2	0.0
100	PV2 BPSK	1	271	22.05				
100	PV2 BPSK	135	0	21.67			23.2	0.0
100	PV2 BPSK	135	69	22.13			23.2	0.0
100	PV2 BPSK	135	138	21.63			23.2	0.0
100	PV2 BPSK	270	0	21.52				
100	QPSK	1	1	22.16				
100	QPSK	1	137	22.03			23.2	0.0
100	QPSK	1	271	22.07				
100	QPSK	135	0	20.34			22.0	1.2
100	QPSK	135	69	22.12			23.2	0.0
100	QPSK	135	138	20.33			22.0	1.2
100	QPSK	270	0	20.43				
100	16QAM	1	1	20.30			22.0	1.2
100	64QAM	1	1	19.72			21.5	1.7
100	256QAM	1	1	18.15			19.5	3.7
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.90	21.94	21.87	23.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.59	21.84	21.66	23.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.94	21.88	21.86	23.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.54	21.60	21.59	23.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.59	22.04	22.02	23.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.51	21.56	21.51	23.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.40	21.42	21.39	23.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.59	21.91	21.92	23.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.00	21.91	21.91	23.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.94	22.02	21.94	23.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.98	21.98	21.98	23.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	19.41	19.41	19.41		
100	PV2 BPSK	1	137	19.40			20.2	0.0
100	PV2 BPSK	1	271	19.42				
100	PV2 BPSK	135	0	19.28			20.2	0.0
100	PV2 BPSK	135	69	19.39			20.2	0.0
100	PV2 BPSK	135	138	19.34			20.2	0.0
100	PV2 BPSK	270	0	19.35				
100	QPSK	1	1	19.44				
100	QPSK	1	137	19.32			20.2	0.0
100	QPSK	1	271	19.38				
100	QPSK	135	0	19.31			20.2	0.0
100	QPSK	135	69	19.32			20.2	0.0
100	QPSK	135	138	19.29			20.2	0.0
100	QPSK	270	0	19.34				
100	16QAM	1	1	19.37			20.2	0.0
100	64QAM	1	1	18.25			18.7	1.5
100	256QAM	1	1	16.33			16.7	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.31	19.30	19.29	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.10	19.25	19.23	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.16	19.17	19.21	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.24	19.21	19.18	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.28	19.29	19.32	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.24	19.14	19.17	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.20	19.14	19.22	20.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.35	19.37	19.38	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.22	19.23	19.20	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.15	19.19	19.18	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.15	19.23	19.14	20.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	20.45	20.45	20.45		
100	PV2 BPSK	1	137	20.38			22.0	0.0
100	PV2 BPSK	1	271	20.37				
100	PV2 BPSK	135	0	19.93			21.5	0.5
100	PV2 BPSK	135	69	20.42			22.0	0.0
100	PV2 BPSK	135	138	19.97			21.5	0.5
100	PV2 BPSK	270	0	20.00				
100	QPSK	1	1	20.49				
100	QPSK	1	137	20.34			22.0	0.0
100	QPSK	1	271	20.38				
100	QPSK	135	0	19.50			21.0	1.0
100	QPSK	135	69	20.42			22.0	0.0
100	QPSK	135	138	19.44			21.0	1.0
100	QPSK	270	0	19.52				
100	16QAM	1	1	19.55			21.0	1.0
100	64QAM	1	1	18.25			19.5	2.5
100	256QAM	1	1	16.33			17.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.41	20.43	20.45	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.39	20.37	20.43	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.34	20.42	20.39	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.42	20.42	20.36	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.37	20.33	20.41	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.44	20.40	20.33	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.40	20.45	20.41	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.40	20.35	20.43	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.35	20.39	20.33	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.43	20.36	20.34	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.44	20.35	20.39	22.0	0.0

Part27Q n78								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01				
Frequency (MHz)				19.60				
100	PI2 BPSK	1	1					
100	PI2 BPSK	1	137		19.48		20.2	0.0
100	PI2 BPSK	1	271		19.53			
100	PI2 BPSK	135	0		19.68		20.2	0.0
100	PI2 BPSK	135	69		19.40		20.2	0.0
100	PI2 BPSK	135	138		19.52		20.2	0.0
100	PI2 BPSK	270	0		19.54		20.2	0.0
100	QPSK	1	1		19.79			
100	QPSK	1	137		19.66		20.2	0.0
100	QPSK	1	271		19.62			
100	QPSK	135	0		19.38		20.2	0.0
100	QPSK	135	69		19.54		20.2	0.0
100	QPSK	135	138		19.53		20.2	0.0
100	QPSK	270	0		19.46		20.2	0.0
100	16QAM	1	1		19.50		20.2	0.0
100	64QAM	1	1		19.49		20.2	0.0
100	256QAM	1	1		17.55		19.5	0.7
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3485	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.42	19.45	19.41	20.2	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.42	19.40	19.43	20.2	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3486.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.56	19.52	19.53	20.2	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.42	19.42	19.37	20.2	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3476.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.47	19.43	19.40	20.2	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.37	19.39	19.38	20.2	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.66	19.66	19.65	20.2	0.0
Channel				630684	633334	635984	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	19.58	19.57	19.57	20.2	0.0
Channel				630368	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.58	19.59	19.56	20.2	0.0
Channel				630000	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	19.26	19.24	19.24	20.2	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	19.37	19.42	19.36	20.2	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01				
Frequency (MHz)				19.60				
100	PI2 BPSK	1	1					
100	PI2 BPSK	1	137		22.07		23.2	0.0
100	PI2 BPSK	1	271		21.96			
100	PI2 BPSK	135	0		21.52		23.2	0.0
100	PI2 BPSK	135	69		21.96		23.2	0.0
100	PI2 BPSK	135	138		21.58		23.2	0.0
100	PI2 BPSK	270	0		21.80			
100	QPSK	1	1		22.16			
100	QPSK	1	137		22.03		23.2	0.0
100	QPSK	1	271		22.00			
100	QPSK	135	0		21.13		23.0	0.2
100	QPSK	135	69		22.10		23.2	0.0
100	QPSK	135	138		21.16		23.0	0.2
100	QPSK	270	0		21.26			
100	16QAM	1	1		21.46		23.0	0.2
100	64QAM	1	1		20.11		21.5	1.7
100	256QAM	1	1		17.55		19.5	3.7
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3485	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	21.97	21.93	21.99	23.2	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	21.90	21.95	21.94	23.2	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	21.51	21.53	21.43	23.2	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	21.98	21.99	21.88	23.2	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3476.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	21.38	21.42	21.45	23.2	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	21.46	21.47	21.43	23.2	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	21.93	21.99	22.00	23.2	0.0
Channel				630684	633334	635984	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	21.54	21.89	21.84	23.2	0.0
Channel				630368	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	21.87	21.89	21.84	23.2	0.0
Channel				630000	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	21.87	21.88	21.92	23.2	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	21.39	21.41	21.47	23.2	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid-H Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	Pi2 BPSK	1	1	12.79	13.29	12.98	13.8	0.0
40	Pi2 BPSK	1	53	12.68	13.18	13.03		
40	Pi2 BPSK	1	104	12.67	13.23	12.98		
40	Pi2 BPSK	50	0	12.44	12.89	12.80		
40	Pi2 BPSK	50	28	12.90	13.25	12.93	13.8	0.0
40	Pi2 BPSK	50	56	12.39	12.89	12.43	13.8	0.0
40	Pi2 BPSK	100	0	12.46	12.80	12.50		
40	QPSK	1	1	13.23	13.30	13.10		
40	QPSK	1	53	12.76	13.20	12.98		
40	QPSK	1	104	12.80	13.21	12.98	13.8	0.0
40	QPSK	50	0	12.97	13.09	13.07		
40	QPSK	50	28	13.03	13.19	13.06		
40	QPSK	50	56	13.04	13.06	12.97		
40	QPSK	100	0	12.94	13.18	13.03	13.8	0.0
40	16QAM	1	1	12.95	13.01	12.90	13.8	0.0
40	64QAM	1	1	13.19	13.13	12.96	13.8	0.0
40	256QAM	1	1	13.10	13.25	13.04	13.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	12.34	12.73	12.48	13.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.64	13.11	12.85	13.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	12.81	12.94	12.88	13.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid-H Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	11.94	12.03	12.10	12.8	0.0
100	Pi2 BPSK	1	137	12.14	12.16	12.05		
100	Pi2 BPSK	1	271	12.11	12.17	12.00		
100	Pi2 BPSK	135	0	11.70	11.67	11.64		
100	Pi2 BPSK	135	69	12.10	12.13	11.94	12.8	0.0
100	Pi2 BPSK	135	138	11.65	11.69	11.48	12.8	0.0
100	Pi2 BPSK	270	0	11.80	11.67	11.57		
100	QPSK	1	1	12.17	12.19	12.16		
100	QPSK	1	137	12.12	12.08	12.01		
100	QPSK	1	271	12.01	12.05	12.05	12.8	0.0
100	QPSK	135	0	11.97	12.07	12.01		
100	QPSK	135	69	12.13	12.14	12.12		
100	QPSK	135	138	12.01	12.12	11.99		
100	QPSK	270	0	12.07	12.10	12.02	12.8	0.0
100	16QAM	1	1	12.12	12.11	12.07	12.8	0.0
100	64QAM	1	1	12.02	12.00	12.05	12.8	0.0
100	256QAM	1	1	12.06	12.17	12.04	12.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	11.54	11.60	11.53	12.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	11.54	11.59	11.47	12.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.09	12.09	12.01	12.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	11.92	11.99	11.93	12.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	11.98	12.00	11.99	12.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	12.01	12.04	12.04	12.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	11.92	11.94	11.96	12.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	12.03	12.05	12.03	12.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	11.60	11.66	11.45	12.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	12.11	12.06	11.99	12.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	11.94	12.04	11.67	12.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid-H Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	14.99	15.13	15.13	15.8	0.0
100	Pi2 BPSK	1	137	15.14	15.21	15.04		
100	Pi2 BPSK	1	271	15.20	15.15	15.02		
100	Pi2 BPSK	135	0	14.86	14.69	14.67		
100	Pi2 BPSK	135	69	15.07	15.04	15.05	15.8	0.0
100	Pi2 BPSK	135	138	14.70	14.77	14.42	15.8	0.0
100	Pi2 BPSK	270	0	14.73	14.71	14.53		
100	QPSK	1	1	15.19	15.33	15.11		
100	QPSK	1	137	15.11	15.21	15.08		
100	QPSK	1	271	15.01	15.20	15.05	15.8	0.0
100	QPSK	135	0	14.95	15.12	15.04		
100	QPSK	135	69	15.13	15.17	15.16		
100	QPSK	135	138	15.07	15.02	14.82		
100	QPSK	270	0	15.04	15.10	14.98	15.8	0.0
100	16QAM	1	1	15.05	15.10	15.03	15.8	0.0
100	64QAM	1	1	14.94	15.06	14.91	15.8	0.0
100	256QAM	1	1	15.07	15.18	15.08	15.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.90	14.97	15.08	15.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.06	15.03	14.99	15.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.07	15.07	14.83	15.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.55	14.59	14.50	15.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.95	14.98	14.94	15.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.54	14.67	14.39	15.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.62	14.56	14.39	15.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.09	15.23	14.92	15.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.04	15.12	15.01	15.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.86	14.97	14.97	15.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.05	15.06	15.05	15.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	3750	3750	3750	15.06	
100	PV2 BPSK	1	137		15.16		15.8	0.0
100	PV2 BPSK	1	271		15.15			
100	PV2 BPSK	135	0		14.78		15.8	0.0
100	PV2 BPSK	135	69		15.07		15.8	0.0
100	PV2 BPSK	135	138		14.67		15.8	0.0
100	PV2 BPSK	270	0		14.81		15.8	0.0
100	QPSK	1	1		15.26			
100	QPSK	1	137		15.13		15.8	0.0
100	QPSK	1	271		15.06			
100	QPSK	135	0		15.11		15.8	0.0
100	QPSK	135	69		15.15		15.8	0.0
100	QPSK	135	138		15.07		15.8	0.0
100	QPSK	270	0		15.08		15.8	0.0
100	16QAM	1	1		15.09		15.8	0.0
100	64QAM	1	1		15.04		15.8	0.0
100	256QAM	1	1		15.21		15.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649568	650000	650334	Tune-up limit (dBm)	MPR (dB)
				3745.02	3750	3755.01		
90	QPSK	1	1	14.97	14.97	14.94	15.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
				3743.01	3750	3760.02		
80	QPSK	1	1	14.64	14.72	14.72	15.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	648500	650000	651000	Tune-up limit (dBm)	MPR (dB)
				3735	3750	3765		
70	QPSK	1	1	14.97	14.95	14.95	15.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	647656	650000	651334	Tune-up limit (dBm)	MPR (dB)
				3730.02	3750	3770.01		
60	QPSK	1	1	14.59	14.52	14.51	15.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	647168	650000	651668	Tune-up limit (dBm)	MPR (dB)
				3725.01	3750	3772.02		
50	QPSK	1	1	15.12	15.12	15.13	15.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	646800	650000	652000	Tune-up limit (dBm)	MPR (dB)
				3720	3750	3780		
40	QPSK	1	1	14.99	15.02	15.02	15.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647056	650000	652534	Tune-up limit (dBm)	MPR (dB)
				3715.02	3750	3785.01		
30	QPSK	1	1	15.14	15.10	15.05	15.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	647500	650000	652900	Tune-up limit (dBm)	MPR (dB)
				3712.5	3750	3797.5		
25	QPSK	1	1	14.95	15.02	14.93	15.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
				3710.01	3750	3790.02		
20	QPSK	1	1	15.00	14.91	14.91	15.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647168	650000	653034	Tune-up limit (dBm)	MPR (dB)
				3707.52	3750	3792.51		
15	QPSK	1	1	15.03	15.08	15.04	15.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
				3705	3750	3795		
10	QPSK	1	1	15.04	14.96	15.04	15.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1		12.11			
100	PV2 BPSK	1	137		12.16		12.8	0.0
100	PV2 BPSK	1	271		12.23			
100	PV2 BPSK	135	0		11.77		12.8	0.0
100	PV2 BPSK	135	69		12.03		12.8	0.0
100	PV2 BPSK	135	138		11.67		12.8	0.0
100	PV2 BPSK	270	0		11.60		12.8	0.0
100	QPSK	1	1		12.24			
100	QPSK	1	137		12.20		12.8	0.0
100	QPSK	1	271		12.08			
100	QPSK	135	0		12.08		12.8	0.0
100	QPSK	135	69		12.21		12.8	0.0
100	QPSK	135	138		12.08		12.8	0.0
100	QPSK	270	0		12.09		12.8	0.0
100	16QAM	1	1		12.13		12.8	0.0
100	64QAM	1	1		11.92		12.8	0.0
100	256QAM	1	1		12.18		12.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	12.09	12.07	12.09	12.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3490.02	3500.01	3510		
80	QPSK	1	1	12.14	12.11	12.11	12.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	11.72	11.64	11.72	12.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634568	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	11.91	11.86	11.94	12.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	11.61	11.64	11.69	12.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.59	11.52	11.55	12.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635568	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	12.02	12.10	11.99	12.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.02	12.04	12.01	12.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	11.87	11.93	11.91	12.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.07	12.05	12.07	12.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.14	12.11	12.11	12.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1		15.16			
100	PV2 BPSK	1	137		15.25		15.8	0.0
100	PV2 BPSK	1	271		15.19			

Part270 n77 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq. 650000	Power Middle Ch./ Freq. 650000	Power High Ch./ Freq. 650000	Tuneup limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.62	18.67	18.53	20.2	0.0	
100	PI2 BPSK	1	137	18.44	18.67	18.59			
100	PI2 BPSK	1	271	18.54	18.68	18.38			
100	PI2 BPSK	135	0	18.63	18.71	18.52	20.2	0.0	
100	PI2 BPSK	135	69	18.45	18.57	18.59	20.2	0.0	
100	PI2 BPSK	135	138	18.41	18.66	18.54	20.2	0.0	
100	PI2 BPSK	270	0	18.44	18.57	18.44	20.2	0.0	
100	QPSK	1	1	18.71	18.81	18.77	20.2	0.0	
100	QPSK	1	137	18.61	18.66	18.73			
100	QPSK	1	271	18.57	18.77	18.52			
100	QPSK	135	0	18.28	18.36	18.47	20.2	0.0	
100	QPSK	135	69	18.59	18.70	18.64	20.2	0.0	
100	QPSK	135	138	18.33	18.45	18.38	20.2	0.0	
100	QPSK	270	0	18.39	18.46	18.35	20.2	0.0	
100	16QAM	1	1	18.33	18.63	18.42	20.2	0.0	
100	64QAM	1	1	18.30	18.49	18.42	20.2	0.0	
100	256QAM	1	1	18.48	18.53	18.43	20.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3745.02	3840	3935.01	Tuneup limit (dBm)	MPR (dB)	
90	QPSK	1	1	18.52	18.59	18.49	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3840	3940.02	Tuneup limit (dBm)	MPR (dB)	
80	QPSK	1	1	18.41	18.55	18.44	20.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	6500.00	6590.00	6630.00	Tuneup limit (dBm)	MPR (dB)	
70	QPSK	1	1	3735	3840	3945	Tuneup limit (dBm)	MPR (dB)	
70	QPSK	1	1	18.41	18.51	18.30	20.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	6486.68	6590.00	6633.34	Tuneup limit (dBm)	MPR (dB)	
60	QPSK	1	1	3730.02	3840	3950.01	Tuneup limit (dBm)	MPR (dB)	
60	QPSK	1	1	18.58	18.58	18.42	20.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	6483.34	6590.00	6636.66	Tuneup limit (dBm)	MPR (dB)	
50	QPSK	1	1	3725.01	3840	3955.02	Tuneup limit (dBm)	MPR (dB)	
50	QPSK	1	1	18.41	18.42	18.41	20.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	6480.00	6590.00	6640.00	Tuneup limit (dBm)	MPR (dB)	
40	QPSK	1	1	3720	3840	3960	Tuneup limit (dBm)	MPR (dB)	
40	QPSK	1	1	18.41	18.55	18.33	20.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	6476.68	6590.00	6643.34	Tuneup limit (dBm)	MPR (dB)	
30	QPSK	1	1	3715.02	3840	3965.01	Tuneup limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.63	18.66	18.55	20.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	6475.00	6590.00	6645.00	Tuneup limit (dBm)	MPR (dB)	
25	QPSK	1	1	3712.5	3840	3967.5	Tuneup limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.41	18.64	18.54	20.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	6473.34	6590.00	6646.68	Tuneup limit (dBm)	MPR (dB)	
20	QPSK	1	1	3710.01	3840	3970.02	Tuneup limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.43	18.62	18.48	20.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	6471.68	6590.00	6648.34	Tuneup limit (dBm)	MPR (dB)	
15	QPSK	1	1	3707.52	3840	3972.51	Tuneup limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.40	18.42	18.27	20.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	6470.00	6590.00	6650.00	Tuneup limit (dBm)	MPR (dB)	
10	QPSK	1	1	3705	3840	3975	Tuneup limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.49	18.51	18.54	20.2	0.0	

Part270 n77 PC2 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 655000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 665000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.53	21.63	21.57			
100	PI2 BPSK	1	137	21.40	21.44	21.46	23.2	0.0	
100	PI2 BPSK	1	271	21.46	21.52	21.34			
100	PI2 BPSK	135	0	21.67	21.65	21.47	23.2	0.0	
100	PI2 BPSK	135	69	21.42	21.49	21.38	23.2	0.0	
100	PI2 BPSK	135	138	21.40	21.47	21.39			
100	PI2 BPSK	270	0	21.37	21.48	21.44	23.2	0.0	
100	QPSK	1	1	21.68	21.75	21.73			
100	QPSK	1	137	21.43	21.58	21.48	23.2	0.0	
100	QPSK	1	271	21.49	21.64	21.54			
100	QPSK	135	0	21.22	21.30	21.32	23.2	0.0	
100	QPSK	135	69	21.45	21.55	21.53	23.2	0.0	
100	QPSK	135	138	21.33	21.43	21.40			
100	QPSK	270	0	21.22	21.39	21.22	23.2	0.0	
100	16QAM	1	1	21.27	21.42	21.29	23.2	0.0	
100	64QAM	1	1	21.25	21.46	21.30	23.2	0.0	
100	256QAM	1	1	21.10	21.16	21.05	22.7	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3745.02	3840	3935.01			
90	QPSK	1	1	21.43	21.54	21.44	23.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3840	3940.02			
80	QPSK	1	1	21.41	21.43	21.36	23.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	6490.00	6590.00	6630.00			
70	QPSK	1	1	21.43	21.31	21.48	23.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	6486.68	6590.00	6633.34			
60	QPSK	1	1	3730.02	3840	3950.01			
60	QPSK	1	1	21.58	21.53	21.38	23.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3725.01	3840	3955.02			
50	QPSK	1	1	21.40	21.41	21.39	23.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	6480.00	6590.00	6640.00			
40	QPSK	1	1	3720	3840	3960			
40	QPSK	1	1	21.35	21.45	21.27	23.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	6476.68	6590.00	6643.34			
30	QPSK	1	1	3715.02	3840	3965.01			
30	QPSK	1	1	21.29	21.37	21.38	23.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	6475.00	6590.00	6645.00			
25	QPSK	1	1	3712.5	3840	3967.5			
25	QPSK	1	1	21.39	21.48	21.42	23.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	6473.34	6590.00	6646.68			
20	QPSK	1	1	3710.01	3840	3970.02			
20	QPSK	1	1	21.46	21.54	21.39	23.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	6471.68	6590.00	6648.34			
15	QPSK	1	1	3707.52	3840	3972.51			
15	QPSK	1	1	21.34	21.46	21.49	23.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	6469.00	6590.00	6650.00			
10	QPSK	1	1	3705	3840	3975			
10	QPSK	1	1	21.41	21.40	21.44	23.2	0.0	

Part27Q n77 PC2 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3500.01					
Frequency (MHz)				633334					
100	Pl2 BPSK	1	1		22.40				
100	Pl2 BPSK	1	137		22.19		23.2	0.0	
100	Pl2 BPSK	1	271		22.18				
100	Pl2 BPSK	135	0		22.43		23.2	0.0	
100	Pl2 BPSK	135	69		22.21		23.2	0.0	
100	Pl2 BPSK	135	138		22.24				
100	Pl2 BPSK	270	0		22.19		23.2	0.0	
100	QPSK	1	1		22.48				
100	QPSK	1	137				23.2	0.0	
100	QPSK	1	271		22.44				
100	QPSK	135	0		22.12		23.2	0.0	
100	QPSK	135	69		22.32		23.2	0.0	
100	QPSK	135	138		22.21		23.2	0.0	
100	QPSK	270	0		22.13				
100	16QAM	1	1		22.15		23.2	0.0	
100	16QAM	1	1		22.19		23.2	0.0	
100	256QAM	1	1		21.93		22.7	0.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		22.33	22.35	22.35	23.2	0.0
Channel				633766	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		22.31	22.30	22.29	23.2	0.0
Channel				633234	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3484.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		22.29	22.29	22.27	23.2	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		22.36	22.33	22.26	23.2	0.0
Channel				631766	633334	632000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		22.37	22.35	22.35	23.2	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3474.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		22.30	22.36	22.37	23.2	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		22.33	22.34	22.31	23.2	0.0
Channel				630766	633334	632834	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1		22.33	22.33	22.36	23.2	0.0
Channel				630668	633334	633000	Tune-up limit	MPR	
Frequency (MHz)				3459.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		22.33	22.34	22.31	23.2	0.0
Channel				630500	633334	633168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		22.34	22.35	22.30	23.2	0.0
Channel				630334	633334	633333	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		22.29	22.31	22.26	23.2	0.0

Part27O n78 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				650000	650000	650000			
100	Pl2 BPSK	1	1		18.72				
100	Pl2 BPSK	1	137		18.40		20.2	0.0	
100	Pl2 BPSK	1	271		18.51				
100	Pl2 BPSK	135	0		18.67		20.2	0.0	
100	Pl2 BPSK	135	69		18.49		20.2	0.0	
100	Pl2 BPSK	135	138		18.44				
100	Pl2 BPSK	270	0		18.46		20.2	0.0	
100	QPSK	1	1		18.78				
100	QPSK	1	137		18.52		20.2	0.0	
100	QPSK	1	271		18.58				
100	QPSK	135	0		18.29		20.2	0.0	
100	QPSK	135	69		18.47		20.2	0.0	
100	QPSK	135	138		18.41		20.2	0.0	
100	QPSK	270	0		18.42				
100	16QAM	1	1		18.43		20.2	0.0	
100	16QAM	1	1		18.42		20.2	0.0	
100	256QAM	1	1		18.51		20.2	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		18.50	18.55	18.53	20.2	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		18.67	18.66	18.71	20.2	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		18.54	18.45	18.48	20.2	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		18.40	18.39	18.47	20.2	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		18.43	18.47	18.40	20.2	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		18.54	18.47	18.45	20.2	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		18.50	18.54	18.58	20.2	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
25	QPSK	1	1		18.29	18.37	18.37	20.2	0.0
Channel				647000	650000	652900	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
20	QPSK	1	1		18.39	18.45	18.37	20.2	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		18.45	18.44	18.38	20.2	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		18.38	18.42	18.44	20.2	0.0

Part27O n78 PC2 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	Pl2 BPSK	1	1		21.58				
100	Pl2 BPSK	1	137		21.44		23.2	0.0	
100	Pl2 BPSK	1	271		21.40				
100	Pl2 BPSK	135	0		21.55		23.2	0.0	
100	Pl2 BPSK	135	69		21.37		23.2	0.0	
100	Pl2 BPSK	135	138		21.28				
100	Pl2 BPSK	270	0		21.25		23.2	0.0	
100	QPSK	1	1		21.62				
100	QPSK	1	137		21.42		23.2	0.0	
100	QPSK	1	271		21.37				
100	QPSK	135	0		21.51		23.2	0.0	
100	QPSK	135	69		21.58		23.2	0.0	
100	QPSK	135	138		21.38		23.2	0.0	
100	QPSK	270	0		21.21				
100	16QAM	1	1		21.35		23.2	0.0	
100	64QAM	1	1		21.22		23.2	0.0	
100	256QAM	1	1		21.12		22.7	0.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	21.38	21.49	21.48	23.2	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	21.46	21.47	21.41	23.2	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	21.42	21.42	21.46	23.2	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	21.45	21.46	21.48	23.2	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	21.41	21.40	21.47	23.2	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.41	21.47	21.40	23.2	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	21.41	21.40	21.47	23.2	0.0	
Channel				647334	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	21.48	21.44	21.49	23.2	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.01	(dBm)	(dB)	
20	QPSK	1	1	21.49	21.50	21.46	23.2	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	21.49	21.43	21.46	23.2	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	21.49	21.38	21.40	23.2	0.0	

Part27Q n78 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3500.01					
Frequency (MHz)				633334					
100	PI/2 BPSK	1	1		19.40		20.2	0.0	
100	PI/2 BPSK	1	137		19.25				
100	PI/2 BPSK	1	271		19.16				
100	PI/2 BPSK	135	0		19.34		20.2	0.0	
100	PI/2 BPSK	135	69		19.18				
100	PI/2 BPSK	135	138		19.24				
100	PI/2 BPSK	270	0		19.14		20.2	0.0	
100	QPSK	1	1		19.51				
100	QPSK	1	137		19.35				
100	QPSK	1	271		19.42		20.2	0.0	
100	QPSK	135	0		19.07				
100	QPSK	135	69		19.30				
100	QPSK	135	138		19.25		20.2	0.0	
100	QPSK	270	0		19.08				
100	16QAM	1	1		19.19				
100	64QAM	1	1		19.20		20.2	0.0	
100	256QAM	1	1		19.17				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	20.2	0.0	
90	QPSK	1	1	19.06	19.15	19.12	20.2	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	20.2	0.0	
80	QPSK	1	1	19.13	19.12	19.13	20.2	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3488.01	3500.01	3515.01	20.2	0.0	
70	QPSK	1	1	19.26	19.25	19.20	20.2	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	20.2	0.0	
60	QPSK	1	1	19.08	19.09	19.05	20.2	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.2	0.0	
50	QPSK	1	1	19.11	19.11	19.13	20.2	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	20.2	0.0	
40	QPSK	1	1	19.07	19.12	19.09	20.2	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	20.2	0.0	
30	QPSK	1	1	19.30	19.37	19.30	20.2	0.0	
Channel				633334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3482.51	3500.01	3537.51	20.2	0.0	
25	QPSK	1	1	19.27	19.25	19.20	20.2	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.2	0.0	
20	QPSK	1	1	19.25	19.30	19.21	20.2	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	20.2	0.0	
15	QPSK	1	1	18.96	18.97	18.96	20.2	0.0	
Channel				633334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	20.2	0.0	
10	QPSK	1	1	19.14	19.16	19.08	20.2	0.0	

Part27Q n78 PC2 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3500.01					
Frequency (MHz)				633334					
100	PI/2 BPSK	1	1		21.58		23.2	0.0	
100	PI/2 BPSK	1	137		21.33				
100	PI/2 BPSK	1	271		21.47				
100	PI/2 BPSK	135	0		21.57		23.2	0.0	
100	PI/2 BPSK	135	69		21.48				
100	PI/2 BPSK	135	138		21.49				
100	PI/2 BPSK	270	0		21.31		23.2	0.0	
100	QPSK	1	1		21.88				
100	QPSK	1	137		21.47				
100	QPSK	1	271		21.50		23.2	0.0	
100	QPSK	135	0		21.46				
100	QPSK	135	69		21.55				
100	QPSK	135	138		21.28		23.2	0.0	
100	QPSK	270	0		21.40				
100	16QAM	1	1		21.39				
100	64QAM	1	1		21.30		23.2	0.0	
100	256QAM	1	1		21.12				
Channel				633000	633334	633668			
Frequency (MHz)				3485	3500.01	3506.00	23.2	0.0	
90	QPSK	1	1	21.48	21.42	21.44	23.2	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	23.2	0.0	
80	QPSK	1	1	21.31	21.28	21.31	23.2	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	23.2	0.0	
70	QPSK	1	1	21.37	21.35	21.39	23.2	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	23.2	0.0	
60	QPSK	1	1	21.51	21.50	21.48	23.2	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	23.2	0.0	
50	QPSK	1	1	21.34	21.33	21.32	23.2	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	23.2	0.0	
40	QPSK	1	1	21.38	21.34	21.37	23.2	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	23.2	0.0	
30	QPSK	1	1	21.61	21.59	21.62	23.2	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3482.51	3500.01	3537.51	23.2	0.0	
25	QPSK	1	1	21.49	21.41	21.41	23.2	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.2	0.0	
20	QPSK	1	1	21.35	21.31	21.38	23.2	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	23.2	0.0	
15	QPSK	1	1	21.36	21.44	21.43	23.2	0.0	
Channel				633334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				26.2	26.28	26.2	23.2	0.0	
10	QPSK	1	1	21.42	21.33	21.31	23.2	0.0	

Part270 n77 Ant7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Med Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	16.08	16.20	15.97		
100	PV2 BPSK	1	137	15.89	16.08	15.92	17.8	0.0
100	PV2 BPSK	1	271	15.90	16.02	16.06		
100	PV2 BPSK	135	0	15.97	16.26	15.89	17.8	0.0
100	PV2 BPSK	135	69	16.84	15.97	15.91	17.8	0.0
100	PV2 BPSK	135	138	16.02	16.15	15.91	17.8	0.0
100	PV2 BPSK	270	0	15.83	16.09	15.90		
100	QPSK	1	1	16.16	16.32	16.19		
100	QPSK	1	137	15.92	16.17	16.05	17.8	0.0
100	QPSK	1	271	15.97	16.20	16.00		
100	QPSK	135	0	15.95	15.94	16.04	17.8	0.0
100	QPSK	135	69	16.09	16.20	15.95	17.8	0.0
100	QPSK	135	138	15.90	15.98	15.87	17.8	0.0
100	QPSK	270	0	15.97	16.16	15.91		
100	16QAM	1	1	16.08	16.04	15.86	17.8	0.0
100	64QAM	1	1	16.04	15.99	16.07	17.8	0.0
100	256QAM	1	1	15.96	16.09	16.03	17.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.99	16.04	16.02	17.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.06	16.07	16.00	17.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.10	16.04	16.01	17.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.01	16.01	16.05	17.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.03	16.00	16.00	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.08	16.01	16.00	17.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.01	16.05	16.08	17.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.08	16.05	16.10	17.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.06	15.96	16.04	17.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.10	16.00	15.98	17.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.07	16.00	16.00	17.8	0.0

Part270 n77 PC2 Ant7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Med Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	19.05	19.20	18.95		
100	PV2 BPSK	1	137	19.01	19.16	18.95	20.8	0.0
100	PV2 BPSK	1	271	19.00	19.13	19.03		
100	PV2 BPSK	135	0	19.10	19.38	19.16	20.8	0.0
100	PV2 BPSK	135	69	18.96	19.24	18.94	20.8	0.0
100	PV2 BPSK	135	138	19.04	19.18	19.07	20.8	0.0
100	PV2 BPSK	270	0	18.89	19.08	18.98		
100	QPSK	1	1	19.22	19.41	19.17		
100	QPSK	1	137	18.89	19.22	19.11	20.8	0.0
100	QPSK	1	271	19.07	19.31	19.00		
100	QPSK	135	0	19.06	19.17	19.04	20.8	0.0
100	QPSK	135	69	19.02	19.20	19.06	20.8	0.0
100	QPSK	135	138	19.09	19.01	19.02	20.8	0.0
100	QPSK	270	0	18.99	19.17	19.05		
100	16QAM	1	1	19.14	19.07	18.97	20.8	0.0
100	64QAM	1	1	19.09	19.23	19.00	20.8	0.0
100	256QAM	1	1	19.00	18.97	19.05	20.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.98	19.04	19.03	20.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.00	18.97	19.00	20.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.02	19.05	18.98	20.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.01	19.05	18.97	20.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.00	19.02	19.03	20.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.04	19.08	19.00	20.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.98	19.01	18.98	20.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.02	19.03	19.02	20.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.00	19.00	19.04	20.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.95	19.08	19.08	20.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.03	18.99	18.96	20.8	0.0

Part27Q n77 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								
Frequency (MHz)								
100	PV2 BPSK	1	1		3500.01			
100	PV2 BPSK	1	1		16.18			
100	PV2 BPSK	1	137		16.14		17.8	0.0
100	PV2 BPSK	1	271		16.02			
100	PV2 BPSK	135	0		16.20		17.8	0.0
100	PV2 BPSK	135	69		16.05		17.8	0.0
100	PV2 BPSK	135	138		16.05		17.8	0.0
100	PV2 BPSK	270	0		16.12		17.8	0.0
100	QPSK	1	1		16.34			
100	QPSK	1	137		16.19		17.8	0.0
100	QPSK	1	271		16.21			
100	QPSK	135	0		15.99		17.8	0.0
100	QPSK	135	69		16.16		17.8	0.0
100	QPSK	135	138		15.98		17.8	0.0
100	QPSK	270	0		15.90			
100	16QAM	1	1		15.98		17.8	0.0
100	64QAM	1	1		16.03		17.8	0.0
100	256QAM	1	1		15.99		17.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	632998	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	632999	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	632999	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	632999	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	632999	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	632999	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	632999	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	632999	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	632999	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	632999	633334	633668	Tune-up limit (dBm)	MPR (dB)

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.13	19.07	19.06	20.8	0.0
100	Pi2 BPSK	1	137	19.07	19.07	19.14		
100	Pi2 BPSK	1	271	18.97	18.97	19.01		
100	Pi2 BPSK	135	0	19.16	19.16	19.21		
100	Pi2 BPSK	135	69	19.06	19.06	19.04	20.8	0.0
100	Pi2 BPSK	135	138	19.08	19.08	19.00	20.8	0.0
100	Pi2 BPSK	270	0	19.05	19.05	19.01	20.8	0.0
100	QPSK	1	1	19.30	19.30	19.27	20.8	0.0
100	QPSK	1	137	19.19	19.19	19.14		
100	QPSK	1	271	19.21	19.21	19.15		
100	QPSK	135	0	18.94	18.94	19.07		
100	QPSK	135	69	19.12	19.12	19.03	20.8	0.0
100	QPSK	135	138	18.98	18.98	18.99	20.8	0.0
100	QPSK	270	0	19.09	19.09	19.02	20.8	0.0
100	16QAM	1	1	18.98	18.98	19.11	20.8	0.0
100	64QAM	1	1	19.01	19.01	18.99	20.8	0.0
100	256QAM	1	1	19.01	19.01	19.02	20.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.97	19.02	19.03	20.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.04	19.06	18.99	20.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.96	18.98	19.06	20.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.00	19.02	18.97	20.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.07	19.07	19.03	20.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.06	19.02	19.00	20.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.96	19.00	19.00	20.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.01	18.97	18.99	20.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.02	19.06	19.05	20.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.00	19.01	18.97	20.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.03	19.05	18.97	20.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.16	19.16	19.16	17.8	0.0
100	Pi2 BPSK	1	137	19.02	19.02	19.02		
100	Pi2 BPSK	1	271	15.99	15.99	15.99		
100	Pi2 BPSK	135	0	16.22	16.22	16.22		
100	Pi2 BPSK	135	69	16.03	16.03	16.03	17.8	0.0
100	Pi2 BPSK	135	138	16.24	16.24	16.24	17.8	0.0
100	Pi2 BPSK	270	0	16.14	16.14	16.14	17.8	0.0
100	QPSK	1	1	16.30	16.30	16.30	17.8	0.0
100	QPSK	1	137	16.23	16.23	16.23		
100	QPSK	1	271	16.26	16.26	16.26		
100	QPSK	135	0	15.94	15.94	15.94		
100	QPSK	135	69	16.12	16.12	16.12	17.8	0.0
100	QPSK	135	138	15.93	15.93	15.93	17.8	0.0
100	QPSK	270	0	16.24	16.24	16.24	17.8	0.0
100	16QAM	1	1	16.01	16.01	16.01	17.8	0.0
100	64QAM	1	1	16.07	16.07	16.07	17.8	0.0
100	256QAM	1	1	15.96	15.96	15.96	17.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.97	15.95	16.00	17.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.93	15.94	15.96	17.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.01	15.95	15.95	17.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.03	16.01	15.94	17.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.03	15.93	16.03	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.02	16.01	16.01	17.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.93	15.95	15.94	17.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.90	15.91	15.92	17.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.99	16.02	15.91	17.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.97	15.97	16.01	17.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.01	15.93	15.94	17.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.06	19.06	19.06	20.8	0.0
100	Pi2 BPSK	1	137	19.14	19.14	19.21		
100	Pi2 BPSK	1	271	19.01	19.01	19.01		
100	Pi2 BPSK	135	0	19.21	19.21	19.24		
100	Pi2 BPSK	135	69	19.04	19.04	19.04	20.8	0.0
100	Pi2 BPSK	135	138	19.00	19.00	19.00	20.8	0.0
100	Pi2 BPSK	270	0	19.01	19.01	19.01	20.8	0.0
100	QPSK	1	1	19.27	19.27	19.27	20.8	0.0
100	QPSK	1	137	19.14	19.14	19.14		
100	QPSK	1	271	19.15	19.15	19.15		
100	QPSK	135	0	19.07	19.07	19.07		
100	QPSK	135	69	19.03	19.03	19.03	20.8	0.0
100	QPSK	135	138	18.99	18.99	18.99	20.8	0.0
100	QPSK	270	0	19.02	19.02	19.02	20.8	0.0
100	16QAM	1	1	19.11	19.11	19.11	20.8	0.0
100	64QAM	1	1	18.99	18.99	18.99	20.8	0.0
100	256QAM	1	1	19.02	19.02	19.02	20.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.94	18.97	18.98	20.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.92	18.97	18.98	20.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.91	18.91	19.00	20.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.02	18.99	19.02	20.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.08	18.93	18.94	20.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.91	18.92	19.00	20.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.96	18.95	18.93	20.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.96	18.95	18.96	20.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.97	18.94	18.99	20.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.96	18.93	18.92	20.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.91	18.85	18.97	20.8	0.0

Part27Q n78 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									
Frequency (MHz)									
100	Pi2 BPSK	1	1	16.17			17.8	0.0	
100	Pi2 BPSK	1	137	16.20					
100	Pi2 BPSK	1	271	15.96					
100	Pi2 BPSK	135	0	16.20					
100	Pi2 BPSK	135	69	16.16			17.8	0.0	
100	Pi2 BPSK	135	138	16.11			17.8	0.0	
100	Pi2 BPSK	270	0	16.10					
100	QPSK	1	1	16.30					
100	QPSK	1	137	16.18					
100	QPSK	1	271	16.20			17.8	0.0	
100	QPSK	135	0	15.94					
100	QPSK	135	69	16.14					
100	QPSK	135	138	16.07					
100	QPSK	270	0	16.86			17.8	0.0	
100	16QAM	1	1	15.88			17.8	0.0	
100	64QAM	1	1	16.07			17.8	0.0	
100	256QAM	1	1	15.99			17.8	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	16.07	16.09	16.08	17.8	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	16.12	16.03	16.07	17.8	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	16.05	16.08	16.05	17.8	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	16.04	16.04	16.08	17.8	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	16.12	16.07	16.04	17.8	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	16.07	16.13	16.06	17.8	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	16.08	16.09	16.08	17.8	0.0	
Channel				630834	633334	635834	Tune-up limit	MPR	
Frequency (MHz)				3492.51	3500.01	3517.51	(dBm)	(dB)	
25	QPSK	1	1	16.06	16.02	16.11	17.8	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	16.08	16.02	16.04	17.8	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	16.05	16.04	16.06	17.8	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	16.05	16.03	16.02	17.8	0.0	

Part27Q n78 PC2 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		19.14		20.8	0.0	
100	Pi2 BPSK	1	137		19.10				
100	Pi2 BPSK	1	271		19.04				
100	Pi2 BPSK	135	0		19.10				
100	Pi2 BPSK	135	69		18.93		20.8	0.0	
100	Pi2 BPSK	135	138		19.05		20.8	0.0	
100	Pi2 BPSK	270	0		19.04				
100	QPSK	1	1		19.26				
100	QPSK	1	137		19.25				
100	QPSK	1	271		19.19		20.8	0.0	
100	QPSK	135	0		18.96				
100	QPSK	135	69		19.21				
100	QPSK	135	138		18.96				
100	QPSK	270	0		19.03		20.8	0.0	
100	16QAM	1	1		18.88		20.8	0.0	
100	64QAM	1	1		19.00		20.8	0.0	
100	256QAM	1	1		19.09		20.8	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	19.03	19.08	19.04	20.8	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	19.08	19.12	19.07	20.8	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	19.02	19.11	19.11	20.8	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	19.06	19.08	19.12	20.8	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	19.10	19.07	19.03	20.8	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	19.11	19.04	19.02	20.8	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	19.07	19.12	19.00	20.8	0.0	
Channel				630834	633334	635834	Tune-up limit	MPR	
Frequency (MHz)				3492.51	3500.01	3517.51	(dBm)	(dB)	
25	QPSK	1	1	19.11	19.05	19.02	20.8	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	19.07	19.07	19.06	20.8	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	19.07	19.11	19.11	20.8	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	19.08	19.11	19.09	20.8	0.0	

Part270 n77 Ant9

BW [MHz]	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	PV2 BPSK	1	1	18.62	18.67	18.53		
100	PV2 BPSK	1	137	18.44	18.67	18.59	20.2	0.0
100	PV2 BPSK	1	271	18.54	18.66	18.39		
100	PV2 BPSK	135	0	18.63	18.71	18.52	20.2	0.0
100	PV2 BPSK	135	69	18.45	18.57	18.49	20.2	0.0
100	PV2 BPSK	135	138	18.41	18.66	18.54	20.2	0.0
100	PV2 BPSK	270	0	18.44	18.57	18.44		
100	QPSK	1	1	18.71	18.81	18.77		
100	QPSK	1	137	18.61	18.96	18.73	20.2	0.0
100	QPSK	1	271	18.57	18.77	18.52		
100	QPSK	135	0	18.28	18.38	18.47	20.2	0.0
100	QPSK	135	69	18.59	18.70	18.64	20.2	0.0
100	QPSK	135	138	18.33	18.45	18.38	20.2	0.0
100	QPSK	270	0	18.39	18.46	18.35		
100	16QAM	1	1	18.33	18.63	18.42	20.2	0.0
100	64QAM	1	1	18.30	18.49	18.42	20.2	0.0
100	256QAM	1	1	18.48	18.53	18.43	20.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.52	18.59	18.49	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.41	18.55	18.44	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.41	18.51	18.30	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.58	18.58	18.42	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.41	18.42	18.41	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.41	18.55	18.33	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.63	18.66	18.55	20.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.41	18.64	18.54	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.43	18.62	18.48	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.40	18.42	18.27	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.49	18.51	18.54	20.2	0.0

Part270 n77 PC2 Ant9

BW [MHz]	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	PV2 BPSK	1	1	21.53	21.63	21.57		
100	PV2 BPSK	1	137	21.40	21.44	21.48	23.2	0.0
100	PV2 BPSK	1	271	21.46	21.52	21.34		
100	PV2 BPSK	135	0	21.67	21.65	21.47	23.2	0.0
100	PV2 BPSK	135	69	21.42	21.49	21.38	23.2	0.0
100	PV2 BPSK	135	138	21.40	21.47	21.39	23.2	0.0
100	PV2 BPSK	270	0	21.37	21.48	21.44		
100	QPSK	1	1	21.68	21.76	21.73		
100	QPSK	1	137	21.43	21.58	21.48	23.2	0.0
100	QPSK	1	271	21.49	21.64	21.54		
100	QPSK	135	0	21.22	21.30	21.32	23.2	0.0
100	QPSK	135	69	21.45	21.55	21.53	23.2	0.0
100	QPSK	135	138	21.33	21.43	21.40	23.2	0.0
100	QPSK	270	0	21.22	21.39	21.22		
100	16QAM	1	1	21.27	21.42	21.29	23.2	0.0
100	64QAM	1	1	21.25	21.46	21.30	23.2	0.0
100	256QAM	1	1	21.10	21.16	21.05	22.7	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.43	21.54	21.44	23.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.41	21.43	21.34	23.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.43	21.31	21.48	23.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.58	21.53	21.38	23.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.29	21.41	21.36	23.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.35	21.45	21.27	23.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.29	21.37	21.38	23.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.39	21.48	21.42	23.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.46	21.54	21.39	23.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.34	21.36	21.49	23.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.41	21.40	21.44	23.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1		19.31			
100	PV2 BPSK	1	137		19.16		20.2	0.0
100	PV2 BPSK	1	271		19.23			
100	PV2 BPSK	135	0		19.33		20.2	0.0
100	PV2 BPSK	135	69		19.18		20.2	0.0
100	PV2 BPSK	135	138		19.21		20.2	0.0
100	PV2 BPSK	270	0		19.20			
100	QPSK	1	1		19.43			
100	QPSK	1	137		19.40		20.2	0.0
100	QPSK	1	271		19.40			
100	QPSK	135	0		19.05		20.2	0.0
100	QPSK	135	69		19.31		20.2	0.0
100	QPSK	135	138		19.14		20.2	0.0
100	QPSK	270	0		19.20			
100	16QAM	1	1		19.12		20.2	0.0
100	64QAM	1	1		19.12		20.2	0.0
100	256QAM	1	1		19.21		20.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.18	19.20	19.22	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.09	19.10	19.02	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.16	19.13	19.06	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.06	19.06	19.12	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.31	19.23	19.33	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.86	18.89	18.96	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.13	19.11	19.08	20.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.32	19.24	19.30	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.09	19.10	19.12	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.06	19.06	19.08	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.09	19.13	19.11	20.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3600.01				
100	PI2 BPSK	1	1	22.40	22.40		23.2	0.0
100	PI2 BPSK	1	137	22.19	22.19			
100	PI2 BPSK	1	271	22.18	22.18			
100	PI2 BPSK	135	0	22.43	22.43	23.2		
100	PI2 BPSK	135	69	22.21	22.21	23.2	23.2	0.0
100	PI2 BPSK	135	138	22.24	22.24	23.2		
100	PI2 BPSK	270	0	22.19	22.19	23.2	23.2	0.0
100	QPSK	1	1	22.48	22.48			
100	QPSK	1	137	22.28	22.28		23.2	0.0
100	QPSK	1	271	22.44	22.44			
100	QPSK	135	0	22.12	22.12	23.2	23.2	0.0
100	QPSK	135	69	22.32	22.32	23.2		
100	QPSK	135	138	22.21	22.21	23.2	23.2	0.0
100	QPSK	270	0	22.13	22.13	23.2		
100	16QAM	1	1	22.15	22.15	23.2	23.2	0.0
100	64QAM	1	1	22.19	22.19	23.2		
100	256QAM	1	1	21.93	21.93	22.7	0.5	
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3486	3500.01	3514.02	23.2	0.0
90	QPSK	1	1	22.33	22.35	22.35	23.2	0.0
Channel								
Frequency (MHz)				634968	635334	634900	Tune-up limit (dBm)	MPR (dB)
				3490.02	3500.01	3510	23.2	0.0
80	QPSK	1	1	22.31	22.30	22.29	23.2	0.0
Channel								
Frequency (MHz)				635334	635334	635334	Tune-up limit (dBm)	MPR (dB)
				3486.01	3500.01	3516.01	23.2	0.0
70	QPSK	1	1	22.29	22.29	22.27	23.2	0.0
Channel								
Frequency (MHz)				635200	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3486	3500.01	3500.01	23.2	0.0
60	QPSK	1	1	22.30	22.33	22.25	23.2	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3476.02	3500.01	3506	23.2	0.0
50	QPSK	1	1	22.37	22.35	22.35	23.2	0.0
Channel								
Frequency (MHz)				631134	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3476.01	3500.01	3530.01	23.2	0.0
40	QPSK	1	1	22.30	22.36	22.37	23.2	0.0
Channel								
Frequency (MHz)				631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02	23.2	0.0
30	QPSK	1	1	22.33	22.34	22.31	23.2	0.0
Channel								
Frequency (MHz)				630834	633334	633834	Tune-up limit (dBm)	MPR (dB)
				3462.01	3500.01	3537.51	23.2	0.0
25	QPSK	1	1	22.33	22.33	22.36	23.2	0.0
Channel								
Frequency (MHz)				630668	633334	633800	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540	23.2	0.0
20	QPSK	1	1	22.33	22.34	22.31	23.2	0.0
Channel								
Frequency (MHz)				630500	633334	633168	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3547.52	23.2	0.0
15	QPSK	1	1	22.34	22.35	22.30	23.2	0.0
Channel								
Frequency (MHz)				630334	633334	633634	Tune-up limit (dBm)	MPR (dB)
				3455.01	3500.01	3545.01	23.2	0.0
10	QPSK	1	1	22.29	22.31	22.28	23.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	18.72	18.72	18.72	20.2	0.0		
100	PI2 BPSK	1	137	18.40	18.40	18.40				
100	PI2 BPSK	1	271	18.51	18.51	18.51				
100	PI2 BPSK	135	0	18.67	18.67	18.67				
100	PI2 BPSK	135	69	18.49	18.49	18.49	20.2	0.0		
100	PI2 BPSK	135	138	18.44	18.44	18.44				
100	PI2 BPSK	270	0	18.48	18.48	18.48	20.2	0.0		
100	QPSK	1	1	18.79	18.79	18.79				
100	QPSK	1	137	18.52	18.52	18.52	20.2	0.0		
100	QPSK	1	271	18.58	18.58	18.58				
100	QPSK	135	0	18.29	18.29	18.29	20.2	0.0		
100	QPSK	135	69	18.47	18.47	18.47				
100	QPSK	135	138	18.41	18.41	18.41	20.2	0.0		
100	QPSK	270	0	18.42	18.42	18.42				
100	16QAM	1	1	18.43	18.43	18.43	20.2	0.0		
100	64QAM	1	1	18.42	18.42	18.42				
100	256QAM	1	1	18.51	18.51	18.51	20.2	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.56	18.55	18.53	20.2	MPR (dB)		
90	QPSK	1	1	18.56	18.55	18.53				
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.67	18.66	18.71	20.2	MPR (dB)		
80	QPSK	1	1	18.67	18.66	18.71				
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.54	18.45	18.48	20.2	MPR (dB)		
70	QPSK	1	1	18.54	18.45	18.48				
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.40	18.39	18.47	20.2	MPR (dB)		
60	QPSK	1	1	18.40	18.39	18.47				
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.43	18.47	18.40	20.2	MPR (dB)		
50	QPSK	1	1	18.43	18.47	18.40				
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.54	18.47	18.45	20.2	MPR (dB)		
40	QPSK	1	1	18.54	18.47	18.45				
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.50	18.54	18.58	20.2	MPR (dB)		
30	QPSK	1	1	18.50	18.54	18.58				
Channel										
Frequency (MHz)										
25	QPSK	1	1	18.29	18.37	18.37	20.2	MPR (dB)		
25	QPSK	1	1	18.29	18.37	18.37				
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.39	18.45	18.37	20.2	MPR (dB)		
20	QPSK	1	1	18.39	18.45	18.37				
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.45	18.44	18.36	20.2	MPR (dB)		
15	QPSK	1	1	18.45	18.44	18.36				
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.38	18.42	18.44	20.2	0.0		
10	QPSK	1	1	18.38	18.42	18.44				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq. 650000	Power Middle Ch./ Freq. 650000	Power High Ch./ Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3750	3750	3750		
100	PI2 BPSK	1	1	21.58			23.2	0.0
100	PI2 BPSK	1	137	21.44				
100	PI2 BPSK	1	271	21.40				
100	PI2 BPSK	135	0	21.55				
100	PI2 BPSK	135	69	21.37			23.2	0.0
100	PI2 BPSK	135	138	21.38				
100	PI2 BPSK	270	0	21.29			23.2	0.0
100	QPSK	1	1	21.82				
100	QPSK	1	137	21.42			23.2	0.0
100	QPSK	1	271	21.47				
100	QPSK	135	0	21.51				
100	QPSK	135	69	21.58				
100	QPSK	135	138	21.38			23.2	0.0
100	QPSK	270	0	21.21				
100	8QAM	1	1	21.26			23.2	0.0
100	8QAM	1	1	21.22				
100	28QAM	1	1	21.52			23.2	0.0
100	28QAM	1	1	21.10				
Channel								
Frequency (MHz)								
				64968	65000	65034	Tune-up limit	MPR
				2145.02	3750	3745.81	(dBm)	(dB)
90	QPSK	1	1	21.38	21.49	21.48	23.2	0.0
Channel								
Frequency (MHz)								
				64934	65000	65068	Tune-up limit	MPR
				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	21.47	21.47	21.47	23.2	0.0
Channel								
Frequency (MHz)								
				64900	65000	65100	Tune-up limit	MPR
				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.42	21.42	21.46	23.2	0.0
Channel								
Frequency (MHz)								
				64900	65000	65134	Tune-up limit	MPR
				3730.02	3750	3720.01	(dBm)	(dB)
60	QPSK	1	1	21.45	21.48	21.48	23.2	0.0
Channel								
Frequency (MHz)								
				64834	65000	65168	Tune-up limit	MPR
				3732.01	3750	3735.02	(dBm)	(dB)
50	QPSK	1	1	21.41	21.40	21.47	23.2	0.0
Channel								
Frequency (MHz)								
				64900	65000	65200	Tune-up limit	MPR
				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.41	21.47	21.40	23.2	0.0
Channel								
Frequency (MHz)								
				64730	65000	65334	Tune-up limit	MPR
				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	21.41	21.40	21.47	23.2	0.0
Channel								
Frequency (MHz)								
				64750	65000	65250	Tune-up limit	MPR
				3712.5	3750	3702.5	(dBm)	(dB)
25	QPSK	1	1	21.45	21.44	21.48	23.2	0.0
Channel								
Frequency (MHz)								
				64734	65000	65088	Tune-up limit	MPR
				3710.01	3750	3760.02	(dBm)	(dB)
20	QPSK	1	1	21.45	21.50	21.46	23.2	0.0
Channel								
Frequency (MHz)								
				64743	65000	65243	Tune-up limit	MPR
				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	21.49	21.43	21.46	23.2	0.0
Channel								
Frequency (MHz)								
				64700	65000	65300	Tune-up limit	MPR
				3715	3750	3765	(dBm)	(dB)
10	QPSK	1	1	21.49	21.38	21.40	23.2	0.0
Channel								
Frequency (MHz)								

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.40					
100	PI2 BPSK	1	137	19.25			20.2	0.0	
100	PI2 BPSK	1	271	19.16					
100	PI2 BPSK	135	0	19.34			20.2	0.0	
100	PI2 BPSK	135	69	19.18			20.2	0.0	
100	PI2 BPSK	135	138	19.24			20.2	0.0	
100	PI2 BPSK	270	0	19.14			20.2	0.0	
100	QPSK	1	1	19.51					
100	QPSK	1	137	19.35			20.2	0.0	
100	QPSK	1	271	19.42					
100	QPSK	135	0	19.07			20.2	0.0	
100	QPSK	135	69	19.30			20.2	0.0	
100	QPSK	135	138	19.25			20.2	0.0	
100	QPSK	270	0	19.08			20.2	0.0	
100	16QAM	1	1	19.19			20.2	0.0	
100	64QAM	1	1	19.20			20.2	0.0	
100	256QAM	1	1	19.17			20.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63333	63368	Tune-up limit (dBm)	MPR (dB)	
				3495	3500	3505	0.2		
90	QPSK	1	1	19.06	19.15	19.12	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63668	63334	63400	Tune-up limit (dBm)	MPR (dB)	
				3490	3500	3510	0.2		
80	QPSK	1	1	19.13	19.12	19.13	20.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
				3485	3500	3515	0.1		
70	QPSK	1	1	19.26	19.25	19.20	20.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
				3485	3500	3510	0.2		
60	QPSK	1	1	19.08	19.09	19.05	20.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63168	63300	63500	Tune-up limit (dBm)	MPR (dB)	
				3475	3501	3525	0.2		
50	QPSK	1	1	19.11	19.11	19.13	20.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63134	63334	63334	Tune-up limit (dBm)	MPR (dB)	
				3470	3500	3530	0.1		
40	QPSK	1	1	19.07	19.12	19.09	20.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
				3465	3500	3535	0.2		
30	QPSK	1	1	19.36	19.37	19.30	20.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63034	63334	63534	Tune-up limit (dBm)	MPR (dB)	
				3462.51	3500	3537.51	0.1		
25	QPSK	1	1	19.27	19.25	19.20	20.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63068	63334	63500	Tune-up limit (dBm)	MPR (dB)	
				3460	3500	3540	0.2		
20	QPSK	1	1	19.25	19.30	19.21	20.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63030	63334	63518	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500	3542.52	0.1		
15	QPSK	1	1	18.96	18.97	18.96	20.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63034	63334	63534	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500	3545.01	0.1		
10	QPSK	1	1	19.14	19.16	19.08	20.2	0.0	

Part27Q n78 PC2 Ant9									
BW [MHz]	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	333334				
100	PI2 BPSK	1	1	21.08					
100	PI2 BPSK	1	137	21.33			23.2		0.0
100	PI2 BPSK	1	271	21.47					
100	PI2 BPSK	135	0	21.57			23.2		0.0
100	PI2 BPSK	135	69	21.48			23.2		0.0
100	PI2 BPSK	135	138	21.49			23.2		0.0
100	PI2 BPSK	270	0	21.31					
100	QPSK	1	1	21.08					
100	QPSK	1	137	21.47			23.2		0.0
100	QPSK	1	271	21.50					
100	QPSK	135	0	21.46			23.2		0.0
100	QPSK	135	69	21.55			23.2		0.0
100	QPSK	135	138	21.28			23.2		0.0
100	QPSK	270	0	21.40					
100	16QAM	1	1	21.36			23.2		0.0
100	64QAM	1	1	21.30			23.2		0.0
100	256QAM	1	1	21.12			22.7		0.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.46	21.42	21.44	23.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.31	21.29	21.31	23.2		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.37	21.35	21.39	23.2		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.51	21.50	21.48	23.2		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.34	21.33	21.32	23.2		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.38	21.34	21.37	23.2		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.81	21.58	21.62	23.2		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.49	21.41	21.41	23.2		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.36	21.31	21.36	23.2		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.36	21.44	21.43	23.2		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.42	21.33	21.31	23.2		0.0

[illegible]