



OSM 1900 Ase 2

Tx Channel	Band Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	852	861	870		852	861	870	
Receiving (WRC)	180.2	180.3	180.3	180.0	180.0	180.0	180.0	180.0
OSM 1 Tx Watt	28.25	28.33	28.19	29.00	19.25	19.33	19.33	20.00
OPNS 1 Tx Watt	28.23	28.20	28.13	29.00	19.23	19.20	19.13	20.00
OPNS 2 Tx Watt	25.46	25.52	25.40	26.00	15.46	15.52	15.40	20.00
OPNS 3 Tx Watt	23.98	24.13	24.00	25.00	13.72	13.87	13.74	20.74
OPNS 4 Tx Watt	21.92	22.00	21.98	23.00	11.92	11.99	11.98	20.00
EDGE 1 Tx Watt	23.59	23.64	23.61	24.50	14.59	14.64	14.61	15.50
EDGE 2 Tx Watt	21.56	21.60	21.52	22.50	11.56	11.60	11.52	17.50
EDGE 3 Tx Watt	20.78	20.85	20.70	21.50	10.52	10.59	10.44	17.34
EDGE 4 Tx Watt	18.71	18.74	18.68	19.50	8.71	8.74	8.68	16.50

WCCMA IV Ase 2

Tx Channel	WCCMA II			Tune-up Limit (dBm)	WCCMA IV			Tune-up Limit (dBm)
	9802	9803	9808		9812	9813	9818	
Receiving (WRC)	180.2	180.3	180.3	180.0	180.0	180.0	180.0	
AWG 12 200us	21.50	21.55	21.46	22.50	21.42	21.44	21.37	23.00
RMC 15 200us	21.54	21.52	21.49	22.50	21.47	21.53	21.44	23.00
HEOPA Subclass 1	20.93	20.74	20.49	21.00	20.37	20.68	20.52	22.00
HEOPA Subclass 2	20.58	20.65	20.53	21.00	20.47	20.61	20.43	22.00
HEOPA Subclass 3	20.11	20.27	20.14	21.00	19.51	20.24	19.69	21.00
HEOPA Subclass 4	20.02	20.18	20.09	21.40	19.38	20.06	20.02	21.50
DC-HEOPA Subclass 1	20.55	20.73	20.51	21.00	20.40	20.50	20.39	22.00
DC-HEOPA Subclass 2	19.34	19.41	19.40	21.00	19.25	19.37	19.31	20.00
DC-HEOPA Subclass 3	19.88	19.98	19.84	21.40	19.80	19.87	19.83	21.50
DC-HEOPA Subclass 4	19.93	19.90	19.92	21.40	19.78	19.90	19.84	21.00
HEOPA Subclass 1	20.59	20.72	20.71	21.00	20.49	20.65	20.60	22.00
HEOPA Subclass 2	19.52	19.60	19.45	19.50	19.44	19.49	19.29	20.00
HEOPA Subclass 3	19.58	19.62	19.60	20.00	19.49	19.51	19.48	21.00
HEOPA Subclass 4	18.43	18.27	18.41	19.00	18.38	18.44	18.33	20.00
HEOPA Subclass 5	20.92	20.82	20.95	21.00	20.48	20.53	20.49	22.00



DSM160 Ant 3				0				
TX Channel	Beam Average Power (dBm)			TX Power	Frame Average Power (dBm)			TotAvg LPI
Frequency (MHz)	812	861	810	LPI	812	861	810	LPI
DSM 1 Tx W/	29.56	29.68	29.63	30.00	29.56	29.68	29.63	21.00
DSM 1 Tx W/	29.52	29.61	29.49	30.00	29.52	29.61	29.49	21.00
DSM 2 Tx W/	27.05	27.12	26.97	28.00	27.05	27.12	26.97	22.00
DSM 3 Tx W/	28.70	28.78	28.86	28.00	27.44	27.50	27.40	22.24
DSM 4 Tx W/	23.14	23.27	23.40	24.00	23.14	23.27	23.40	21.00
EDGE 1 Tx W/	23.06	23.13	24.59	26.00	18.06	18.13	18.59	17.00
EDGE 2 Tx W/	23.33	23.43	23.49	24.00	17.33	17.43	17.48	18.00
EDGE 3 Tx W/	22.21	22.25	22.20	23.00	17.20	18.00	17.99	19.24
EDGE 4 Tx W/	20.13	20.18	20.08	21.00	17.13	17.18	17.08	18.00

WCDMA I Ant 3				WCDMA IV Ant 3				
TX Channel	WCDMA II			TX Power	WCDMA IV			TotAvg LPI
Frequency (MHz)	5892	5900	5938	LPI	5312	5313	5315	LPI
WCDMA I Ant 3	5662	5600	5668	24.00	5312	5313	5315	24.00
SOPF Rel 00	23.05	23.07	23.02	24.00	22.89	23.03	22.84	24.00
SOPF Rel 01	22.94	22.17	21.92	23.00	21.83	22.07	21.84	23.00
SOPF Rel 02	21.54	21.50	21.57	23.00	21.58	21.49	21.44	22.00
SOPF Rel 03	21.48	21.60	21.60	22.00	21.43	21.60	21.50	22.00
SOPF Rel 04	22.08	22.17	21.98	23.00	21.90	22.00	21.90	23.00
SOPF Rel 05	21.99	22.13	22.18	23.00	21.91	22.07	22.07	23.00
SOPF Rel 06	21.37	21.57	21.48	22.00	21.28	21.46	21.34	22.00
SOPF Rel 07	21.81	21.91	21.44	22.00	21.90	21.45	21.51	22.00
SOPF Rel 08	22.88	22.31	21.97	23.00	22.04	22.24	21.84	23.00
SOPF Rel 09	22.23	22.14	22.17	23.00	22.28	22.00	22.04	23.00
SOPF Rel 10	21.20	21.08	21.03	22.00	21.10	20.98	20.90	22.00
SOPF Rel 11	18.98	20.25	20.22	21.00	19.84	20.10	20.08	21.00
SOPF Rel 12	22.03	22.04	21.94	23.00	21.90	21.90	21.89	23.00

Uplink CA Power

Ant0		CA_7C							
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	21.04	22.00	
21100	21298	QPSK	1	99	1	0	21.09	22.00	
21350	21152	QPSK	1	0	1	99	20.94	22.00	

Ant1		CA_7C							
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	20.41	22.00	
21100	21298	QPSK	1	99	1	0	20.48	22.00	
21350	21152	QPSK	1	0	1	99	20.36	22.00	

Ant0		CA_66C							
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	23.05	24.00	
132322	132520	QPSK	1	99	1	0	23.16	24.00	
132572	132374	QPSK	1	0	1	99	23.09	24.00	

Ant1		CA_66C							
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	20.94	22.00	
132322	132520	QPSK	1	99	1	0	21.02	22.00	
132572	132374	QPSK	1	0	1	99	20.91	22.00	

Ant0		CA_41C							
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.45	24.00	
40185	40383	QPSK	1	99	1	0	22.58	24.00	
40620	40818	QPSK	1	99	1	0	22.63	24.00	
41055	41253	QPSK	1	99	1	0	22.5	24.00	
41490	41292	QPSK	1	0	1	99	22.39	24.00	

Ant1		CA_41C							
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	23.16	24.00	
40185	40383	QPSK	1	99	1	0	23.29	24.00	
40620	40818	QPSK	1	99	1	0	23.38	24.00	
41055	41253	QPSK	1	99	1	0	23.27	24.00	
41490	41292	QPSK	1	0	1	99	23.22	24.00	

Ant0		CA_41C HPUE							
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	25.42	26.00	
40185	40383	QPSK	1	99	1	0	25.48	26.00	
40620	40818	QPSK	1	99	1	0	25.54	26.00	
41055	41253	QPSK	1	99	1	0	25.51	26.00	
41490	41292	QPSK	1	0	1	99	25.37	26.00	

Ant1		CA_41C HPUE							
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	25.13	27.00	
40185	40383	QPSK	1	99	1	0	25.28	27.00	
40620	40818	QPSK	1	99	1	0	25.32	27.00	
41055	41253	QPSK	1	99	1	0	25.21	27.00	
41490	41292	QPSK	1	0	1	99	25.19	27.00	

Ant0		CA_5B							
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20450	20549	QPSK	1	49	1	0	22.35	24.00	
20476	20575	QPSK	1	49	1	0	22.44	24.00	
20600	20501	QPSK	1	0	1	49	22.40	24.00	

Ant1		CA_5B							
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20450	20549	QPSK	1	49	1	0	20.94	22.00	
20476	20575	QPSK	1	49	1	0	21.02	22.00	
20600	20501	QPSK	1	0	1	49	20.98	22.00	

Ant0		CA_66B							
Combination 15MHz+5MHz (75RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132047	132140	QPSK	1	74	1	0	23.03	24.00	
132322	132415	QPSK	1	74	1	0	23.15	24.00	
132597	132504	QPSK	1	0	1	24	23.09	24.00	

Ant1		CA_66B							
Combination 15MHz+5MHz (75RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132047	132140	QPSK	1	74	1	0	20.66	22.00	
132322	132415	QPSK	1	74	1	0	20.79	22.00	
132597	132504	QPSK	1	0	1	24	20.72	22.00	

Ant0		CA_48C							
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
55340	55538	QPSK	1	99	1	0	21.23	23.00	
55830	56028	QPSK	1	99	1	0	21.39	23.00	
56442	56244	QPSK	1	99	1	0	21.30	23.00	

Ant1		CA_48C							
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
55340	55538	QPSK	1	99	1	0	23.16	24.00	
55830	56028	QPSK	1	99	1	0	23.29	24.00	
56442	56244	QPSK	1	99	1	0	23.21	24.00	

Ant2										
CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	20.05	21.00		
21100	21298	QPSK	1	99	1	0	20.23	21.00		
21350	21152	QPSK	1	0	1	99	20.18	21.00		

Ant3										
CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	22.84	24.00		
21100	21298	QPSK	1	99	1	0	22.92	24.00		
21350	21152	QPSK	1	0	1	99	22.80	24.00		

Ant2										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	21.26	22.00		
132322	132520	QPSK	1	99	1	0	21.34	22.00		
132572	132374	QPSK	1	0	1	99	21.31	22.00		

Ant3										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	22.60	24.00		
132322	132520	QPSK	1	99	1	0	22.64	24.00		
132572	132374	QPSK	1	0	1	99	22.53	24.00		

Ant2										
CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	23.01	24.00		
40185	40383	QPSK	1	99	1	0	23.13	24.00		
40620	40818	QPSK	1	99	1	0	23.22	24.00		
41055	41253	QPSK	1	99	1	0	23.15	24.00		
41490	41292	QPSK	1	0	1	99	23.08	24.00		

Ant3										
CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	22.87	24.00		
40185	40383	QPSK	1	99	1	0	22.91	24.00		
40620	40818	QPSK	1	99	1	0	22.94	24.00		
41055	41253	QPSK	1	99	1	0	22.82	24.00		
41490	41292	QPSK	1	0	1	99	22.78	24.00		

Ant2										
CA_41C HPUE										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	25.36	27.00		
40185	40383	QPSK	1	99	1	0	25.41	27.00		
40620	40818	QPSK	1	99	1	0	25.44	27.00		
41055	41253	QPSK	1	99	1	0	25.3	27.00		
41490	41292	QPSK	1	0	1	99	25.26	27.00		

Ant3										
CA_41C HPUE										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	25.13	27.00		
40185	40383	QPSK	1	99	1	0	25.08	27.00		
40620	40818	QPSK	1	99	1	0	25.29	27.00		
41055	41253	QPSK	1	99	1	0	25.2	27.00		
41490	41292	QPSK	1	0	1	99	25.16	27.00		

Ant2										
CA_5B										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	49	1	0	21.73	23.00		
20476	20575	QPSK	1	49	1	0	21.87	23.00		
20600	20501	QPSK	1	0	1	49	21.81	23.00		

Ant2										
CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	74	1	0	20.84	22.00		
132322	132415	QPSK	1	74	1	0	20.99	22.00		
132597	132504	QPSK	1	0	1	24	20.95	22.00		

Ant3										
CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	74	1	0	22.71	24.00		
132322	132415	QPSK	1	74	1	0	22.76	24.00		
132597	132504	QPSK	1	0	1	24	22.60	24.00		

Ant2										
CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	20.30	21.00		
55830	56028	QPSK	1	99	1	0	20.36	21.00		
56442	56244	QPSK	1	99	1	0	20.22	21.00		

Ant3										
CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	23.11	24.00		
55830	56028	QPSK	1	99	1	0	23.16	24.00		
56442	56244	QPSK	1	0	1	99	23.05	24.00		

Uplink CA Down Power

Ant2 DSI2 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	13.03	14.40
21100	21298	QPSK	1	99	1	0	13.08	14.40
21350	21152	QPSK	1	0	1	99	13.05	14.40

Ant3 DSI2 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.06	19.60
21100	21298	QPSK	1	99	1	0	18.15	19.60
21350	21152	QPSK	1	0	1	99	18.08	19.60

Ant2 DSI2 Standalone

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.26	22.00
132322	132520	QPSK	1	99	1	0	21.34	22.00
132572	132374	QPSK	1	0	1	99	21.31	22.00

Ant3 DSI2 Standalone

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.75	21.40
132322	132520	QPSK	1	99	1	0	19.81	21.40
132572	132374	QPSK	1	0	1	99	19.68	21.40

Ant2 DSI2 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	17.58	19.20
40185	40383	QPSK	1	99	1	0	17.66	19.20
40620	40818	QPSK	1	99	1	0	17.72	19.20
41055	41253	QPSK	1	99	1	0	17.65	19.20
41490	41292	QPSK	1	0	1	99	17.60	19.20

Ant3 DSI2 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.14	21.10
40185	40383	QPSK	1	99	1	0	19.12	21.10
40620	40818	QPSK	1	99	1	0	19.35	21.10
41055	41253	QPSK	1	99	1	0	19.15	21.10
41490	41292	QPSK	1	0	1	99	19.28	21.10

Ant2 DSI2 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.48	20.80
40185	40383	QPSK	1	99	1	0	19.41	20.80
40620	40818	QPSK	1	99	1	0	19.55	20.80
41055	41253	QPSK	1	99	1	0	19.22	20.80
41490	41292	QPSK	1	0	1	99	19.31	20.80

Ant3 DSI2 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.77	22.70
40185	40383	QPSK	1	99	1	0	20.85	22.70
40620	40818	QPSK	1	99	1	0	20.94	22.70
41055	41253	QPSK	1	99	1	0	20.71	22.70
41490	41292	QPSK	1	0	1	99	20.82	22.70

Ant2 DSI2 Standalone

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.84	22.00
132322	132415	QPSK	1	74	1	0	20.99	22.00
132597	132504	QPSK	1	0	1	24	20.95	22.00

Ant3 DSI2 Standalone

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.54	21.40
132322	132415	QPSK	1	74	1	0	19.75	21.40
132597	132504	QPSK	1	0	1	24	19.64	21.40

Ant2 DSI2 Standalone

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	18.21	19.80
55830	56028	QPSK	1	99	1	0	18.35	19.80
56442	56244	QPSK	1	99	1	0	18.22	19.80

Ant3 DSI2 Standalone

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	17.65	19.10
55830	56028	QPSK	1	99	1	0	17.71	19.10
56442	56244	QPSK	1	99	1	0	17.59	19.10

Ant2 DSI2 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	12.06	13.20
21100	21298	QPSK	1	99	1	0	12.11	13.20
21350	21152	QPSK	1	0	1	99	12.09	13.20

Ant3 DSI2 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.01	18.40
21100	21298	QPSK	1	99	1	0	17.12	18.40
21350	21152	QPSK	1	0	1	99	17.06	18.40

Ant2 DSI2 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.26	22.00
132322	132520	QPSK	1	99	1	0	21.34	22.00
132572	132374	QPSK	1	0	1	99	21.31	22.00

Ant3 DSI2 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.65	20.20
132322	132520	QPSK	1	99	1	0	18.76	20.20
132572	132374	QPSK	1	0	1	99	18.55	20.20

Ant2 DSI2 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	16.51	18.10
40185	40383	QPSK	1	99	1	0	16.66	18.10
40620	40818	QPSK	1	99	1	0	16.71	18.10
41055	41253	QPSK	1	99	1	0	16.52	18.10
41490	41292	QPSK	1	0	1	99	16.48	18.10

Ant3 DSI2 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.33	20.00
40185	40383	QPSK	1	99	1	0	18.42	20.00
40620	40818	QPSK	1	99	1	0	18.45	20.00
41055	41253	QPSK	1	99	1	0	18.35	20.00
41490	41292	QPSK	1	0	1	99	18.28	20.00

Ant2 DSI2 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.01	19.70
40185	40383	QPSK	1	99	1	0	18.12	19.70
40620	40818	QPSK	1	99	1	0	18.22	19.70
41055	41253	QPSK	1	99	1	0	18.11	19.70
41490	41292	QPSK	1	0	1	99	18.07	19.70

Ant3 DSI2 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.75	21.60
40185	40383	QPSK	1	99	1	0	19.82	21.60
40620	40818	QPSK	1	99	1	0	20.02	21.60
41055	41253	QPSK	1	99	1	0	19.95	21.60
41490	41292	QPSK	1	0	1	99	19.82	21.60

Ant2 DSI2 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.08	22.00
132322	132415	QPSK	1	74	1	0	21.11	22.00
132597	132504	QPSK	1	0	1	24	21.05	22.00

Ant3 DSI2 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.36	20.20
132322	132415	QPSK	1	74	1	0	18.45	20.20
132597	132504	QPSK	1	0	1	24	18.41	20.20

Ant2 DSI2 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	17.23	18.70
55830	56028	QPSK	1	99	1	0	17.32	18.70
56442	56244	QPSK	1	99	1	0	17.19	18.70

Ant3 DSI2 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	16.75	18.00
55830	56028	QPSK	1	99	1	0	16.78	18.00
56442	56244	QPSK	1	99	1	0	16.64	18.00

Ant1 DSI3 Standalone

CA_7C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	19.97	21.50	
21100	21298	QPSK	1	99	1	0	20.05	21.50	
21350	21152	QPSK	1	0	1	99	20.01	21.50	

Ant0 DSI3 Standalone

CA_66C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	22.55	23.50	
132322	132520	QPSK	1	99	1	0	22.61	23.50	
132572	132374	QPSK	1	0	1	99	22.48	23.50	

Ant0 DSI3 Standalone

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	21.88	23.00	
40185	40383	QPSK	1	99	1	0	21.92	23.00	
40620	40818	QPSK	1	99	1	0	21.95	23.00	
41055	41253	QPSK	1	99	1	0	21.85	23.00	
41490	41292	QPSK	1	0	1	99	21.82	23.00	

Ant1 DSI3 Standalone

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	20.34	22.00	
40185	40383	QPSK	1	99	1	0	20.35	22.00	
40620	40818	QPSK	1	99	1	0	20.39	22.00	
41055	41253	QPSK	1	99	1	0	20.32	22.00	
41490	41292	QPSK	1	0	1	99	20.25	22.00	

Ant0 DSI3 Standalone

CA_41C HPUE									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	23.32	24.60	
40185	40383	QPSK	1	99	1	0	23.36	24.60	
40620	40818	QPSK	1	99	1	0	23.41	24.60	
41055	41253	QPSK	1	99	1	0	23.28	24.60	
41490	41292	QPSK	1	0	1	99	23.29	24.60	

Ant1 DSI3 Standalone

CA_41C HPUE									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.21	23.60	
40185	40383	QPSK	1	99	1	0	22.23	23.60	
40620	40818	QPSK	1	99	1	0	22.35	23.60	
41055	41253	QPSK	1	99	1	0	22.12	23.60	
41490	41292	QPSK	1	0	1	99	22.19	23.60	

Ant0 DSI3 Standalone

CA_66B									
Combination 15MHz+5MHz (75RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132047	132140	QPSK	1	74	1	0	22.58	23.50	
132322	132415	QPSK	1	74	1	0	22.69	23.50	
132597	132504	QPSK	1	0	1	24	22.62	23.50	



Ant2 DS13 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.78	17.10
21100	21298	QPSK	1	99	1	0	15.91	17.10
21350	21152	QPSK	1	0	1	99	15.88	17.10

Ant3 DS13 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.37	23.90
21100	21298	QPSK	1	99	1	0	22.41	23.90
21350	21152	QPSK	1	0	1	99	22.34	23.90

Ant3 DS13 Standalone

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.60	24.00
132322	132520	QPSK	1	99	1	0	22.64	24.00
132572	132374	QPSK	1	0	1	99	22.53	24.00

Ant2 DS13 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	16.95	18.20
40185	40383	QPSK	1	99	1	0	16.90	18.20
40620	40818	QPSK	1	99	1	0	17.02	18.20
41055	41253	QPSK	1	99	1	0	16.96	18.20
41490	41292	QPSK	1	0	1	99	16.89	18.20

Ant3 DS13 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.78	22.20
40185	40383	QPSK	1	99	1	0	20.82	22.20
40620	40818	QPSK	1	99	1	0	20.88	22.20
41055	41253	QPSK	1	99	1	0	20.54	22.20
41490	41292	QPSK	1	0	1	99	20.51	22.20

Ant2 DS13 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.61	19.80
40185	40383	QPSK	1	99	1	0	18.64	19.80
40620	40818	QPSK	1	99	1	0	18.7	19.80
41055	41253	QPSK	1	99	1	0	18.68	19.80
41490	41292	QPSK	1	0	1	99	18.66	19.80

Ant3 DS13 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.35	23.80
40185	40383	QPSK	1	99	1	0	22.27	23.80
40620	40818	QPSK	1	99	1	0	22.51	23.80
41055	41253	QPSK	1	99	1	0	22.29	23.80
41490	41292	QPSK	1	0	1	99	22.15	23.80

Ant3 DS13 Standalone

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.71	24.00
132322	132415	QPSK	1	74	1	0	22.76	24.00
132597	132504	QPSK	1	0	1	24	22.60	24.00

Ant2 Default

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	19.88	21.00
55830	56028	QPSK	1	99	1	0	20.21	21.00
56442	56244	QPSK	1	99	1	0	19.95	21.00

Ant3 DS13 Standalone

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	22.01	23.40
55830	56028	QPSK	1	99	1	0	22.12	23.40
56442	56244	QPSK	1	99	1	0	21.95	23.40



Ant0 DS13 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.23	21.90
21100	21298	QPSK	1	99	1	0	20.36	21.90
21350	21152	QPSK	1	0	1	99	20.21	21.90

Ant1 DS13 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.45	20.70
21100	21298	QPSK	1	99	1	0	19.55	20.70
21350	21152	QPSK	1	0	1	99	19.41	20.70

Ant0 DS13 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.01	22.50
132322	132520	QPSK	1	99	1	0	21.12	22.50
132572	132374	QPSK	1	0	1	99	21.06	22.50

Ant1 DS13 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.26	20.60
40185	40383	QPSK	1	99	1	0	19.32	20.60
40620	40818	QPSK	1	99	1	0	19.35	20.60
41055	41253	QPSK	1	99	1	0	19.21	20.60
41490	41292	QPSK	1	0	1	99	19.26	20.60

Ant0 DS13 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.57	22.20
40185	40383	QPSK	1	99	1	0	20.62	22.20
40620	40818	QPSK	1	99	1	0	20.65	22.20
41055	41253	QPSK	1	99	1	0	20.44	22.20
41490	41292	QPSK	1	0	1	99	20.54	22.20

Ant1 DS13 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.12	22.80
40185	40383	QPSK	1	99	1	0	22.14	22.80
40620	40818	QPSK	1	99	1	0	22.26	22.80
41055	41253	QPSK	1	99	1	0	22.04	22.80
41490	41292	QPSK	1	0	1	99	22.09	22.80

Ant0 DS13 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.74	22.50
132322	132415	QPSK	1	74	1	0	21.11	22.50
132597	132504	QPSK	1	0	1	24	21.08	22.50



Ant2 DS13 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	14.02	15.10
21100	21298	QPSK	1	99	1	0	14.11	15.10
21350	21152	QPSK	1	0	1	99	14.03	15.10

Ant3 DS13 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.50	22.90
21100	21298	QPSK	1	99	1	0	21.62	22.90
21350	21152	QPSK	1	0	1	99	21.59	22.90

Ant2 DS13 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.44	21.20
132322	132520	QPSK	1	99	1	0	19.52	21.20
132572	132374	QPSK	1	0	1	99	19.46	21.20

Ant3 DS13 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.14	21.80
132322	132520	QPSK	1	99	1	0	20.22	21.80
132572	132374	QPSK	1	0	1	99	20.19	21.80

Ant2 DS13 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	16.27	17.60
40185	40383	QPSK	1	99	1	0	16.31	17.60
40620	40818	QPSK	1	99	1	0	16.34	17.60
41055	41253	QPSK	1	99	1	0	16.25	17.60
41490	41292	QPSK	1	0	1	99	16.22	17.60

Ant3 DS13 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.26	20.60
40185	40383	QPSK	1	99	1	0	19.33	20.60
40620	40818	QPSK	1	99	1	0	19.42	20.60
41055	41253	QPSK	1	99	1	0	19.38	20.60
41490	41292	QPSK	1	0	1	99	19.28	20.60

Ant2 DS13 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.26	19.20
40185	40383	QPSK	1	99	1	0	18.32	19.20
40620	40818	QPSK	1	99	1	0	18.35	19.20
41055	41253	QPSK	1	99	1	0	18.27	19.20
41490	41292	QPSK	1	0	1	99	19.21	19.20

Ant3 DS13 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.95	22.20
40185	40383	QPSK	1	99	1	0	20.99	22.20
40620	40818	QPSK	1	99	1	0	21.06	22.20
41055	41253	QPSK	1	99	1	0	20.88	22.20
41490	41292	QPSK	1	0	1	99	20.86	22.20

Ant2 DS13 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.55	21.20
132322	132415	QPSK	1	74	1	0	19.61	21.20
132597	132504	QPSK	1	0	1	24	19.47	21.20

Ant3 DS13 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.02	21.80
132322	132415	QPSK	1	74	1	0	20.11	21.80
132597	132504	QPSK	1	0	1	24	20.09	21.80

Ant2 DS13 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	18.47	19.60
55830	56028	QPSK	1	99	1	0	18.52	19.60
56442	56244	QPSK	1	99	1	0	18.41	19.60

Ant3 DS13 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	17.12	18.30
55830	56028	QPSK	1	99	1	0	17.23	18.30
56442	56244	QPSK	1	99	1	0	17.18	18.30

Ant0 DSI5 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.68	22.00
21100	21298	QPSK	1	99	1	0	20.73	22.00
21350	21152	QPSK	1	0	1	99	20.62	22.00

Ant1 DSI5 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.06	21.80
21100	21298	QPSK	1	99	1	0	20.13	21.80
21350	21152	QPSK	1	0	1	99	20.02	21.80

Ant0 DSI5 Standalone

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.58	23.00
132322	132520	QPSK	1	99	1	0	21.66	23.00
132572	132374	QPSK	1	0	1	99	21.41	23.00

Ant1 DSI5 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.45	23.50
40185	40383	QPSK	1	99	1	0	22.58	23.50
40620	40818	QPSK	1	99	1	0	22.63	23.50
41055	41253	QPSK	1	99	1	0	22.5	23.50
41490	41292	QPSK	1	0	1	99	22.39	23.50

Ant0 DSI5 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.45	23.50
40185	40383	QPSK	1	99	1	0	22.58	23.50
40620	40818	QPSK	1	99	1	0	22.63	23.50
41055	41253	QPSK	1	99	1	0	22.5	23.50
41490	41292	QPSK	1	0	1	99	22.39	23.50

Ant0 DSI5 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	24.35	25.10
40185	40383	QPSK	1	99	1	0	24.38	25.10
40620	40818	QPSK	1	99	1	0	24.41	25.10
41055	41253	QPSK	1	99	1	0	24.28	25.10
41490	41292	QPSK	1	0	1	99	24.21	25.10

Ant1 DSI5 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	24.05	25.10
40185	40383	QPSK	1	99	1	0	24.13	25.10
40620	40818	QPSK	1	99	1	0	24.15	25.10
41055	41253	QPSK	1	99	1	0	24.08	25.10
41490	41292	QPSK	1	0	1	99	24.01	25.10

Ant0 DSI5 Standalone

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.41	23.00
132322	132415	QPSK	1	74	1	0	21.45	23.00
132597	132504	QPSK	1	0	1	24	21.39	23.00



Ant2 DSI5 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.62	19.70
21100	21298	QPSK	1	99	1	0	18.66	19.70
21350	21152	QPSK	1	0	1	99	18.52	19.70

Ant3 Default

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.84	24.00
21100	21298	QPSK	1	99	1	0	22.92	24.00
21350	21152	QPSK	1	0	1	99	22.80	24.00

Ant2 Default

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.21	22.00
132322	132520	QPSK	1	99	1	0	21.25	22.00
132572	132374	QPSK	1	0	1	99	21.17	22.00

Ant3 DSI5 Standalone

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.60	24.00
132322	132520	QPSK	1	99	1	0	22.64	24.00
132572	132374	QPSK	1	0	1	99	22.53	24.00

Ant2 DSI5 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.62	23.40
40185	40383	QPSK	1	99	1	0	21.68	23.40
40620	40818	QPSK	1	99	1	0	21.75	23.40
41055	41253	QPSK	1	99	1	0	21.53	23.40
41490	41292	QPSK	1	0	1	99	21.59	23.40

Ant3 Default

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.87	24.00
40185	40383	QPSK	1	99	1	0	22.91	24.00
40620	40818	QPSK	1	99	1	0	22.94	24.00
41055	41253	QPSK	1	99	1	0	22.82	24.00
41490	41292	QPSK	1	0	1	99	22.78	24.00

Ant2 DSI5 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.52	25.00
40185	40383	QPSK	1	99	1	0	23.61	25.00
40620	40818	QPSK	1	99	1	0	23.62	25.00
41055	41253	QPSK	1	99	1	0	23.48	25.00
41490	41292	QPSK	1	0	1	99	23.49	25.00

Ant3 Default

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.13	26.50
40185	40383	QPSK	1	99	1	0	25.08	26.50
40620	40818	QPSK	1	99	1	0	25.29	26.50
41055	41253	QPSK	1	99	1	0	25.2	26.50
41490	41292	QPSK	1	0	1	99	25.16	26.50

Ant2 Default

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.13	22.00
132322	132415	QPSK	1	74	1	0	21.18	22.00
132597	132504	QPSK	1	0	1	24	21.05	22.00

Ant3 DSI5 Standalone

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.71	24.00
132322	132415	QPSK	1	74	1	0	22.76	24.00
132597	132504	QPSK	1	0	1	24	22.60	24.00

Ant2 Default

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	18.98	19.90
55830	56028	QPSK	1	99	1	0	19.02	19.90
56442	56244	QPSK	1	99	1	0	18.95	19.90

Ant3 DSI5 Standalone

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	19.54	21.10
55830	56028	QPSK	1	99	1	0	19.66	21.10
56442	56244	QPSK	1	99	1	0	19.61	21.10

Ant0 DS15 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
20850	21048	QPSK	1	99	1	0	20.22	21.70
21100	21298	QPSK	1	99	1	0	20.31	21.70
21350	21152	QPSK	1	0	1	99	20.25	21.70

Ant1 DS15 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
20850	21048	QPSK	1	99	1	0	18.77	20.10
21100	21298	QPSK	1	99	1	0	18.88	20.10
21350	21152	QPSK	1	0	1	99	18.83	20.10

Ant0 DS15 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
132072	132270	QPSK	1	99	1	0	20.58	21.90
132322	132520	QPSK	1	99	1	0	20.62	21.90
132572	132374	QPSK	1	0	1	99	20.49	21.90

Ant1 DS15 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
39750	39948	QPSK	1	99	1	0	20.84	22.20
40185	40383	QPSK	1	99	1	0	20.89	22.20
40620	40818	QPSK	1	99	1	0	20.95	22.20
41055	41253	QPSK	1	99	1	0	20.74	22.20
41490	41292	QPSK	1	0	1	99	20.76	22.20

Ant0 DS15 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
39750	39948	QPSK	1	99	1	0	20.84	22.20
40185	40383	QPSK	1	99	1	0	20.89	22.20
40620	40818	QPSK	1	99	1	0	20.95	22.20
41055	41253	QPSK	1	99	1	0	20.74	22.20
41490	41292	QPSK	1	0	1	99	20.76	22.20

Ant0 DS15 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
39750	39948	QPSK	1	99	1	0	22.15	23.80
40185	40383	QPSK	1	99	1	0	22.23	23.80
40620	40818	QPSK	1	99	1	0	22.28	23.80
41055	41253	QPSK	1	99	1	0	22.14	23.80
41490	41292	QPSK	1	0	1	99	22.19	23.80

Ant1 DS15 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
39750	39948	QPSK	1	99	1	0	22.15	23.50
40185	40383	QPSK	1	99	1	0	22.26	23.50
40620	40818	QPSK	1	99	1	0	22.35	23.50
41055	41253	QPSK	1	99	1	0	22.17	23.50
41490	41292	QPSK	1	0	1	99	22.09	23.50

Ant0 DS15 Simultaneous

CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
20450	20549	QPSK	1	49	1	0	22.35	23.70
20476	20575	QPSK	1	49	1	0	22.44	23.70
20600	20501	QPSK	1	0	1	49	22.40	23.70

Ant0 DS15 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
132047	132140	QPSK	1	74	1	0	20.48	21.90
132322	132415	QPSK	1	74	1	0	20.55	21.90
132597	132504	QPSK	1	0	1	24	20.41	21.90



Ant2 DS15 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.26	17.10
21100	21298	QPSK	1	99	1	0	15.35	17.10
21350	21152	QPSK	1	0	1	99	15.29	17.10

Ant3 DS15 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.84	23.90
21100	21298	QPSK	1	99	1	0	22.92	23.90
21350	21152	QPSK	1	0	1	99	22.80	23.90

Ant2 Default

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.26	22.00
132322	132520	QPSK	1	99	1	0	21.34	22.00
132572	132374	QPSK	1	0	1	99	21.31	22.00

Ant3 DS15 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.85	21.10
132322	132520	QPSK	1	99	1	0	19.93	21.10
132572	132374	QPSK	1	0	1	99	19.75	21.10

Ant2 DS15 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.41	19.90
40185	40383	QPSK	1	99	1	0	18.45	19.90
40620	40818	QPSK	1	99	1	0	18.52	19.90
41055	41253	QPSK	1	99	1	0	18.34	19.90
41490	41292	QPSK	1	0	1	99	18.39	19.90

Ant3 DS15 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.59	23.00
40185	40383	QPSK	1	99	1	0	21.65	23.00
40620	40818	QPSK	1	99	1	0	21.88	23.00
41055	41253	QPSK	1	99	1	0	21.84	23.00
41490	41292	QPSK	1	0	1	99	21.82	23.00

Ant2 DS15 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.11	21.50
40185	40383	QPSK	1	99	1	0	20.06	21.50
40620	40818	QPSK	1	99	1	0	20.16	21.50
41055	41253	QPSK	1	99	1	0	20.07	21.50
41490	41292	QPSK	1	0	1	99	20.03	21.50

Ant3 DS15 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.12	24.60
40185	40383	QPSK	1	99	1	0	23.16	24.60
40620	40818	QPSK	1	99	1	0	23.25	24.60
41055	41253	QPSK	1	99	1	0	23.18	24.60
41490	41292	QPSK	1	0	1	99	23.17	24.60

Ant2 Default

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.88	22.00
132322	132415	QPSK	1	74	1	0	21.15	22.00
132597	132504	QPSK	1	0	1	24	20.93	22.00

Ant3 DS15 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.85	21.10
132322	132415	QPSK	1	74	1	0	19.93	21.10
132597	132504	QPSK	1	0	1	24	19.75	21.10

Ant2 DS15 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	18.54	19.90
55830	56028	QPSK	1	99	1	0	18.86	19.90
56442	56244	QPSK	1	99	1	0	18.54	19.90

Ant3 DS15 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	15.12	16.40
55830	56028	QPSK	1	99	1	0	15.23	16.40
56442	56244	QPSK	1	99	1	0	15.18	16.40



Ant2 DSI6 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.84	20.10
21100	21298	QPSK	1	99	1	0	18.92	20.10
21350	21152	QPSK	1	0	1	99	18.82	20.10

Ant3 Default

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.84	24.00
21100	21298	QPSK	1	99	1	0	22.92	24.00
21350	21152	QPSK	1	0	1	99	22.80	24.00

Ant2 Default

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.94	22.00
132322	132520	QPSK	1	99	1	0	21.02	22.00
132572	132374	QPSK	1	0	1	99	20.91	22.00

Ant3 Default

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.60	24.00
132322	132520	QPSK	1	99	1	0	22.64	24.00
132572	132374	QPSK	1	0	1	99	22.53	24.00

Ant2 DSI6 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.05	22.40
40185	40383	QPSK	1	99	1	0	21.11	22.40
40620	40818	QPSK	1	99	1	0	21.26	22.40
41055	41253	QPSK	1	99	1	0	21.15	22.40
41490	41292	QPSK	1	0	1	99	21.08	22.40

Ant3 DSI6 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.31	23.70
40185	40383	QPSK	1	99	1	0	22.35	23.70
40620	40818	QPSK	1	99	1	0	22.39	23.70
41055	41253	QPSK	1	99	1	0	22.25	23.70
41490	41292	QPSK	1	0	1	99	22.21	23.70

Ant2 DSI6 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.11	24.00
40185	40383	QPSK	1	99	1	0	23.18	24.00
40620	40818	QPSK	1	99	1	0	23.22	24.00
41055	41253	QPSK	1	99	1	0	23.16	24.00
41490	41292	QPSK	1	0	1	99	23.17	24.00

Ant3 DSI6 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.65	25.30
40185	40383	QPSK	1	99	1	0	23.74	25.30
40620	40818	QPSK	1	99	1	0	23.85	25.30
41055	41253	QPSK	1	99	1	0	23.71	25.30
41490	41292	QPSK	1	0	1	99	23.72	25.30

Ant2 Default

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.75	22.00
132322	132415	QPSK	1	74	1	0	20.84	22.00
132597	132504	QPSK	1	0	1	24	20.79	22.00

Ant3 Default

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.71	24.00
132322	132415	QPSK	1	74	1	0	22.76	24.00
132597	132504	QPSK	1	0	1	24	22.60	24.00

Ant2 Default

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	20.06	21.00
55830	56028	QPSK	1	99	1	0	20.11	21.00
56442	56244	QPSK	1	99	1	0	20.09	21.00

Ant3 DSI6 Standalone

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	22.05	23.40
55830	56028	QPSK	1	99	1	0	22.15	23.40
56442	56244	QPSK	1	99	1	0	22.03	23.40



Ant2 DSI6 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.36	19.70
21100	21298	QPSK	1	99	1	0	18.45	19.70
21350	21152	QPSK	1	0	1	99	18.29	19.70

Ant3 Default

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.84	24.00
21100	21298	QPSK	1	99	1	0	22.92	24.00
21350	21152	QPSK	1	0	1	99	22.80	24.00

Ant2 Default

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.26	22.00
132322	132520	QPSK	1	99	1	0	21.34	22.00
132572	132374	QPSK	1	0	1	99	21.31	22.00

Ant3 Default

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.60	24.00
132322	132520	QPSK	1	99	1	0	22.64	24.00
132572	132374	QPSK	1	0	1	99	22.53	24.00

Ant2 DSI6 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.62	22.00
40185	40383	QPSK	1	99	1	0	20.68	22.00
40620	40818	QPSK	1	99	1	0	20.88	22.00
41055	41253	QPSK	1	99	1	0	20.74	22.00
41490	41292	QPSK	1	0	1	99	20.69	22.00

Ant3 DSI6 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.75	23.10
40185	40383	QPSK	1	99	1	0	21.82	23.10
40620	40818	QPSK	1	99	1	0	21.93	23.10
41055	41253	QPSK	1	99	1	0	21.85	23.10
41490	41292	QPSK	1	0	1	99	21.86	23.10

Ant2 DSI6 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.38	23.60
40185	40383	QPSK	1	99	1	0	22.41	23.60
40620	40818	QPSK	1	99	1	0	22.54	23.60
41055	41253	QPSK	1	99	1	0	22.39	23.60
41490	41292	QPSK	1	0	1	99	22.28	23.60

Ant3 DSI6 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.14	24.70
40185	40383	QPSK	1	99	1	0	23.19	24.70
40620	40818	QPSK	1	99	1	0	23.25	24.70
41055	41253	QPSK	1	99	1	0	23.08	24.70
41490	41292	QPSK	1	0	1	99	23.06	24.70

Ant2 Default

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.11	22.00
132322	132415	QPSK	1	74	1	0	21.21	22.00
132597	132504	QPSK	1	0	1	24	21.16	22.00

Ant3 Default

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.60	24.00
132322	132415	QPSK	1	74	1	0	22.64	24.00
132597	132504	QPSK	1	0	1	24	22.53	24.00

Ant2 Default

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	20.11	21.00
55830	56028	QPSK	1	99	1	0	20.29	21.00
56442	56244	QPSK	1	99	1	0	20.23	21.00

Ant3 DSI6 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	21.61	22.70
55830	56028	QPSK	1	99	1	0	21.75	22.70
56442	56244	QPSK	1	99	1	0	21.65	22.70



DL CA Power

2CA DL

CA List	PCC										SCC					Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)	
CA_4A-17A	Band 4	An0	10M	1732.5	20175	QPSK	1	0	4xMMMO	Band 17	10M	740	5790		23.08	23.21	
	Band 4	An1	10M	1732.5	20175	QPSK	1	0	4xMMMO	Band 17	10M	740	5790		20.95	21.08	
	Band 4	An2	10M	1732.5	20175	QPSK	1	0	4xMMMO	Band 17	10M	740	5790		21.23	21.30	
	Band 4	An3	10M	1732.5	20175	QPSK	1	0	4xMMMO	Band 17	10M	740	5790		22.71	22.87	
	Band 17	An0	10M	710	23790	QPSK	1	0		Band 4	10M	2133	2175	4xMMMO	22.64	22.73	
	Band 17	An1	10M	710	23790	QPSK	1	0		Band 4	10M	2133	2175	4xMMMO	21.55	21.66	
CA_7B	Band 7	An0	15M	2535	21100	QPSK	1	0	4xMMMO	Band 7	5M	2544	3193	4xMMMO	20.92	21.12	
	Band 7	An1	15M	2535	21100	QPSK	1	0	4xMMMO	Band 7	5M	2544	3193	4xMMMO	21.49	21.70	
	Band 7	An2	15M	2535	21100	QPSK	1	0	4xMMMO	Band 7	5M	2544	3193	4xMMMO	21.35	21.55	
	Band 7	An3	15M	2535	21100	QPSK	1	0	4xMMMO	Band 7	5M	2544	3193	4xMMMO	22.85	23.05	
	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMMMO	Band 30	10M	2355	9820	4xMMMO	21.03	21.12	
	Band 7	An1	20M	2535	21100	QPSK	1	0	4xMMMO	Band 30	10M	2355	9820	4xMMMO	21.56	21.70	
CA_7A-30A	Band 7	An2	20M	2535	21100	QPSK	1	0	4xMMMO	Band 30	10M	2355	9820	4xMMMO	21.37	21.55	
	Band 7	An3	20M	2535	21100	QPSK	1	0	4xMMMO	Band 30	10M	2355	9820	4xMMMO	22.83	23.05	
	Band 30	An0	10M	2310	27710	QPSK	1	0	4xMMMO	Band 7	20M	2655	3100	4xMMMO	23.16	23.26	
	Band 30	An1	10M	2310	27710	QPSK	1	0	4xMMMO	Band 7	20M	2655	3100	4xMMMO	21.82	21.94	
	Band 30	An2	10M	2310	27710	QPSK	1	0	4xMMMO	Band 7	20M	2655	3100	4xMMMO	21.48	21.65	
	Band 30	An3	10M	2310	27710	QPSK	1	0	4xMMMO	Band 7	20M	2655	3100	4xMMMO	22.80	22.85	
CA_26A-46A	Band 26	An0	15M	831.5	26865	QPSK	1	0		Band 46	20M	5540	50690		22.41	22.59	
	Band 26	An1	15M	831.5	26865	QPSK	1	0		Band 46	20M	5540	50690		21.23	21.38	
	Band 26	An2	15M	831.5	26865	QPSK	1	0		Band 46	20M	5540	50690		22.17	22.24	
CA_48B	Band 48	An0	10M	3625	55990	QPSK	1	0	4xMMMO	Band 48	10M	3645	56188	4xMMMO	21.24	21.44	
	Band 48	An1	10M	3625	55990	QPSK	1	0	4xMMMO	Band 48	10M	3645	56188	4xMMMO	23.80	23.88	
	Band 48	An2	10M	3625	55990	QPSK	1	0	4xMMMO	Band 48	10M	3645	56188	4xMMMO	20.38	20.51	
	Band 48	An3	10M	3625	55990	QPSK	1	0	4xMMMO	Band 48	10M	3645	56188	4xMMMO	23.07	23.26	
CA_4A-48A	Band 4	An0	20M	1732.5	20175	QPSK	1	0	4xMMMO	Band 48	20M	3609	55830	4xMMMO	23.08	23.21	
	Band 4	An1	20M	1732.5	20175	QPSK	1	0	4xMMMO	Band 48	20M	3609	55830	4xMMMO	21.00	21.08	
	Band 4	An2	20M	1732.5	20175	QPSK	1	0	4xMMMO	Band 48	20M	3609	55830	4xMMMO	21.22	21.30	
	Band 4	An3	20M	1732.5	20175	QPSK	1	0	4xMMMO	Band 48	20M	3609	55830	4xMMMO	22.73	22.87	
CA_12A-46A	Band 12	An0	10M	707.5	23095	QPSK	1	0		Band 46	20M	5540	50690		22.80	22.92	
	Band 12	An1	10M	707.5	23095	QPSK	1	0		Band 46	20M	5540	50690		21.60	21.73	
	Band 12	An2	10M	707.5	23095	QPSK	1	0		Band 46	20M	5540	50690		22.30	22.60	
CA_12A-48A	Band 12	An0	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830	4xMMMO	22.74	22.92	
	Band 12	An1	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830	4xMMMO	21.53	21.73	
	Band 12	An2	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830	4xMMMO	22.44	22.59	
CA_25A-41A	Band 25	An0	20M	1880	26340	QPSK	1	0	4xMMMO	Band 41	20M	2593	40620	4xMMMO	23.12	23.21	
	Band 25	An1	20M	1880	26340	QPSK	1	0	4xMMMO	Band 41	20M	2593	40620	4xMMMO	20.90	21.11	
	Band 25	An2	20M	1880	26340	QPSK	1	0	4xMMMO	Band 41	20M	2593	40620	4xMMMO	23.21	23.35	
	Band 25	An3	20M	1880	26340	QPSK	1	0	4xMMMO	Band 41	20M	2593	40620	4xMMMO	22.69	22.76	
	Band 41	An0	20M	2593	40620	QPSK	1	0	4xMMMO	Band 25	20M	1960	8340	4xMMMO	22.52	22.66	
	Band 41	An1	20M	2593	40620	QPSK	1	0	4xMMMO	Band 25	20M	1960	8340	4xMMMO	23.56	23.75	
CA_26A-41A	Band 41	An2	20M	2593	40620	QPSK	1	0	4xMMMO	Band 25	20M	1960	8340	4xMMMO	23.50	23.65	
	Band 41	An3	20M	2593	40620	QPSK	1	0	4xMMMO	Band 25	20M	1960	8340	4xMMMO	23.47	23.65	
	Band 26	An0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMMMO	22.37	22.59	
	Band 26	An1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMMMO	21.30	21.38	
	Band 26	An2	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMMMO	22.07	22.24	
	Band 41	An0	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	5M	2688	41565	4xMMMO	22.46	22.66	
CA_41A-41A	Band 41	An1	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	5M	2688	41565	4xMMMO	23.53	23.75	
	Band 41	An2	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	5M	2688	41565	4xMMMO	23.52	23.65	
	Band 41	An3	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	5M	2688	41565	4xMMMO	23.41	23.55	
CA_46A-71A	Band 71	An0	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4xMMMO	22.84	23.04	
	Band 71	An1	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4xMMMO	21.70	21.85	



3CA DL

3CA List	PCC										SCC1										SCC2										Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	FLic CA	Without CA									
	Band	Ant	(MHz)	Freq. (MHz)	Channel	RB	RB Offset	RB	RB Offset	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		DL Power (dBm)	Tx Power (dBm)									
CA_2A-4A-13A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	23.03	23.16							
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 13	10M	751	5230	20.80	21.09							
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 13	10M	751	5230	21.11	21.24							
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 13	10M	751	5230	22.54	22.72							
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	23.06	23.21							
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	20.86	21.08							
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	21.16	21.30							
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	22.75	23.07							
	Band 13	Ant0	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	1960	900	4x4MIMO	Band 4	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.46	21.67						
	Band 13	Ant1	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	1960	900	4x4MIMO	Band 4	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.46	21.67						
	Band 13	Ant2	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	1960	900	4x4MIMO	Band 4	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.37	22.53						
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	Band 29	10M	722.5	9715	23.00	23.16							
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	Band 29	10M	722.5	9715	20.91	21.09							
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	Band 29	10M	722.5	9715	21.08	21.24							



CA_4A-46D	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086			23.02	23.21
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086			20.91	21.08
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086			21.22	21.30
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086			22.70	22.87
CA_4A-48D	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56228	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO		23.13	23.21
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56228	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO		20.97	21.08
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56228	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO		21.20	21.30
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56228	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO		22.73	22.87
CA_5A-7A-66A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 68	20M	2195	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		22.40	22.57
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 68	20M	2195	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		21.13	21.31
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 68	20M	2195	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		22.06	22.16
	Band 5	Ant3	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525			21.01	21.12
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525			21.58	21.70
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525			21.47	21.55
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525			22.85	23.05
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO		23.09	23.22
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO		21.01	21.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO		21.30	21.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO		22.82	22.89
	CA_7C-46C	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888			20.92
Band 7		Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888			21.61	21.70
Band 7		Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888			21.35	21.55
Band 7		Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888			22.94	23.05
CA_13A-46C-66A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 66	20M	2155	66886	4x4MIMO		22.85	23.07
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 66	20M	2155	66886	4x4MIMO		21.47	21.67
	Band 13	Ant2	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 66	20M	2155	66886	4x4MIMO		22.39	22.53
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888			23.13	23.22
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888			20.91	21.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888			21.19	21.41
CA_66C-66A-66A	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888			22.74	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	5540	50690		Band 46	20M	5559.8	50888			23.14	23.22
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888			20.98	21.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888			21.29	21.41



7CA DL

Table with columns: Configure, PDC, SCC1, SCC2, SCC3, SCC4, SCC5, SCC6, Power. Rows include configurations for CA_2A-40C-40-66A, CA_2A-40C-48E, CA_2A-40C-48D-66A, CA_2A-40C-48E-66A, CA_2A-40C-48C, CA_2A-40C-66A-66A, CA_40C-48E-66A, and CA_40C-48C-66A.



Full&Default Power Mode

n2 Ant 0									
BW (MHz)	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)				1860	1880	1900			
20	PI2 BPSK	1	1	22.93	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82			
20	PI2 BPSK	100	0	22.81	22.90	22.89	24.0	0.0	
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.87	22.95	22.87			
20	QPSK	50	0	22.92	22.93	22.84	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.87			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	16QAM	1	1	21.76	21.88	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	1852.5	1860	1862.5	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	1855	1860	1865	24.0	0.0	
Channel									
Frequency (MHz)				1862.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.84	23.04	22.92	24.0	0.0	

n5 Ant 0									
BW (MHz)	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)				834	836.5	839			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.87	23.04	22.84	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.93			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.83	22.96	22.82			
20	PI2 BPSK	100	0	22.94	23.00	22.93	24.0	0.0	
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.96	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.16	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	16QAM	1	1	22.97	22.71	22.58	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	3.0	
Channel									
Frequency (MHz)				168300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	831.5	836.5	841.5	24.0	0.0	
Channel									
Frequency (MHz)				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	829	836.5	844	24.0	0.0	
Channel									
Frequency (MHz)				168300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	

n7 Ant 0									
BW (MHz)	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)				2500	2535	2560			
40	PI2 BPSK	1	1	21.84	21.90	21.78			
40	PI2 BPSK	1	108	21.76	21.87	21.83	23.0	0.0	
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.96	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.86	21.78	23.0	0.0	
40	QPSK	108	54	21.78	21.95	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77			
40	16QAM	1	1	21.80	21.84	21.74	23.0	0.0	
40	16QAM	1	1	21.05	21.14	21.09	22.0	1.0	
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
Frequency (MHz)				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2515	2535	2555	23.0	0.0	
Channel									
Frequency (MHz)				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	2512.5	2535	2557.5	23.0	0.0	
Channel									
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.81	21.84	21.74	23.0	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.91	21.95	21.68	23.0	0.0	
Channel									
Frequency (MHz)				506000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	2502.5	2535	2567.5	23.0	0.0	



n12 Ant 0										
BW (MHz)	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)				14300	14350	14390				
706.5				707.5	708.5					
15	PI2 BPSK	1	1	23.05	23.11	22.97				
15	PI2 BPSK	1	40	22.84	22.92	22.80	24.0	0.0		
15	PI2 BPSK	1	77	22.75	22.80	22.74				
15	PI2 BPSK	36	0	22.96	23.01	22.96	24.0	0.0		
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0	0.0		
15	PI2 BPSK	36	43	22.90	22.96	22.88				
15	PI2 BPSK	75	0	22.90	23.02	22.96	24.0	0.0		
15	QPSK	1	1	23.13	23.19	23.12				
15	QPSK	1	40	23.07	23.12	23.08	24.0	0.0		
15	QPSK	1	77	22.87	22.95	22.90				
15	QPSK	36	0	22.92	23.01	22.99	24.0	0.0		
15	QPSK	36	22	22.97	23.06	22.97	24.0	0.0		
15	QPSK	36	43	22.94	22.99	22.89				
15	QPSK	75	0	22.89	23.01	22.90	24.0	0.0		
15	IQAM	1	1	23.07	23.11	23.07	24.0	0.0		
15	IQAM	1	1	22.01	22.11	22.03	23.0	1.0		
15	256QAM	1	1	20.14	20.28	20.17	21.0	3.0		
Channel										
Frequency (MHz)				14500	14550	142200	Tune-up limit (dBm)	MPR (dB)		
701.5				707.5	713.5					
5	QPSK	1	1	22.99	23.08	23.04	24.0	0.0		

n13 Ant 0									
BW (MHz)	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)				15400					
792									
10	PI2 BPSK	1	1		23.18				
10	PI2 BPSK	1	26		23.13		24.0	0.0	
10	PI2 BPSK	1	50		23.05				
10	PI2 BPSK	25	0		22.97		23.5	0.5	
10	PI2 BPSK	25	14		23.15		24.0	0.0	
10	PI2 BPSK	25	27		23.01		23.5	0.5	
10	PI2 BPSK	50	0		23.11				
10	QPSK	1	1		23.29				
10	QPSK	1	26		23.19		24.0	0.0	
10	QPSK	1	50		23.13				
10	QPSK	25	0		22.46		23.0	1.0	
10	QPSK	25	14		23.19		24.0	0.0	
10	QPSK	25	27		22.97		23.0	1.0	
10	QPSK	50	0		22.58				
10	IQAM	1	1		21.67		23.0	1.0	
10	IQAM	1	1		20.78		21.5	2.5	
10	256QAM	1	1		19.36		19.5	4.5	
Channel									
Frequency (MHz)				15500	15600	156900	Tune-up limit (dBm)	MPR (dB)	
2320				2326	2322		24.0	0.0	

n14 Ant 0									
BW (MHz)	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)				15800					
793									
10	PI2 BPSK	1	1		23.37				
10	PI2 BPSK	1	26		23.28		24.0	0.0	
10	PI2 BPSK	1	50		23.33				
10	PI2 BPSK	25	0		23.28		24.0	0.0	
10	PI2 BPSK	25	14		23.35		24.0	0.0	
10	PI2 BPSK	25	27		23.28		24.0	0.0	
10	PI2 BPSK	50	0		23.31				
10	QPSK	1	1		23.43				
10	QPSK	1	26		23.31		24.0	0.0	
10	QPSK	1	50		23.36				
10	QPSK	25	0		23.31		24.0	0.0	
10	QPSK	25	14		23.35		24.0	0.0	
10	QPSK	25	27		23.26		24.0	0.0	
10	QPSK	50	0		23.33				
10	IQAM	1	1		23.22		24.0	0.0	
10	IQAM	1	1		22.17		23.0	1.0	
10	256QAM	1	1		20.40		21.0	3.0	
Channel									
Frequency (MHz)				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
2332				2340	2330		24.0	0.0	



n25 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374200	376900	379600			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.00	23.13	23.12			
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0	
40	PI2 BPSK	1	214	22.98	23.08	23.02			
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0	
40	PI2 BPSK	108	84	23.04	23.11	23.14	24.0	0.0	
40	PI2 BPSK	108	108	22.96	23.07	22.93	24.0	0.0	
40	PI2 BPSK	216	0	22.98	22.98	23.05			
40	QPSK	1	1	23.08	23.25	23.21			
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0	
40	QPSK	1	214	23.02	23.06	23.00			
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0	
40	QPSK	108	84	23.02	23.16	22.97	24.0	0.0	
40	QPSK	108	108	22.98	23.08	22.83	24.0	0.0	
40	QPSK	216	0	23.04	23.12	23.04			
40	16QAM	1	1	22.08	22.21	22.18	24.0	0.0	
40	64QAM	1	1	22.05	22.13	22.08	23.0	1.0	
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.92	23.11	23.06	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	22.82	23.14	23.10	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	22.89	23.19	23.08	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1858	1882.5	1907.5			
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1856	1882.5	1910			
10	QPSK	1	1	22.95	23.21	23.17	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	22.90	23.17	23.14	24.0	0.0	

n26 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				854	831.5	839			
20	PI2 BPSK	1	1	23.38	23.40	23.33			
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.11	23.05			
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0	
20	PI2 BPSK	50	28	23.25	23.31	23.18	24.0	0.0	
20	PI2 BPSK	50	56	23.02	23.15	23.08	24.0	0.0	
20	PI2 BPSK	100	0	23.17	23.28	23.22			
20	QPSK	1	1	23.43	23.49	23.38			
20	QPSK	1	53	23.29	23.40	23.32	24.0	0.0	
20	QPSK	1	104	23.27	23.34	23.22			
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0	
20	QPSK	50	28	23.39	23.43	23.32	24.0	0.0	
20	QPSK	50	56	23.20	23.31	23.28	24.0	0.0	
20	QPSK	100	0	23.31	23.38	23.26			
20	16QAM	1	1	22.24	22.32	22.22	24.0	0.0	
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0	
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	23.33	23.30	23.33	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	23.31	23.29	23.25	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0	



n30 Ant 0									
BW (MHz)	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)									
2310									
10	PI2 BPSK	1	1	22.91			24.0	0.0	
10	PI2 BPSK	1	26	22.89					
10	PI2 BPSK	1	50	22.82					
10	PI2 BPSK	25	0	22.91			24.0	0.0	
10	PI2 BPSK	25	14	22.92			24.0	0.0	
10	PI2 BPSK	25	27	22.87			24.0	0.0	
10	PI2 BPSK	50	0	22.81					
10	QPSK	1	1	23.03					
10	QPSK	1	26	22.91			24.0	0.0	
10	QPSK	1	50	22.90					
10	QPSK	25	0	22.80			24.0	0.0	
10	QPSK	25	14	22.93			24.0	0.0	
10	QPSK	25	27	22.89			24.0	0.0	
10	QPSK	50	0	22.90					
10	16QAM	1	1	22.86			24.0	0.0	
10	16QAM	1	1	22.17			23.0	1.0	
10	256QAM	1	1	20.17			21.0	3.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2287.5	2310	2332.5	24.0	0.0	
5	QPSK	1	1	22.53	22.90	22.91	24.0	0.0	

n66 Ant 0									
BW (MHz)	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)									
1730 1745 1760									
40	PI2 BPSK	1	1	23.18	23.29	23.32	24.0	0.0	
40	PI2 BPSK	1	108	23.07	23.36	23.14			
40	PI2 BPSK	1	214	23.29	23.14	23.27			
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0	
40	PI2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0	
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0	
40	PI2 BPSK	216	0	23.04	23.22	23.21			
40	QPSK	1	1	23.28	23.45	23.40			
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0	
40	QPSK	1	214	23.26	23.26	23.25			
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0	
40	QPSK	108	54	23.22	23.39	23.24	24.0	0.0	
40	QPSK	108	108	23.15	23.29	23.16	24.0	0.0	
40	QPSK	216	0	23.21	23.35	23.22			
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0	
40	16QAM	1	1	21.92	21.37	21.54	23.0	1.0	
40	256QAM	1	1	20.38	20.24	20.44	21.0	3.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
1720 1745 1770									
20	QPSK	1	1	23.13	23.41	23.36	24.0	0.0	
Channel									
Frequency (MHz)									
1717.5 1745 1772.5									
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0	
Channel									
Frequency (MHz)									
1715 1745 1775									
10	QPSK	1	1	23.22	23.34	23.28	24.0	0.0	
Channel									
Frequency (MHz)									
1712.5 1745 1772.5									
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0	

n70 Ant 0									
BW (MHz)	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)									
1702.5									
15	PI2 BPSK	1	1		20.88		22.0	0.0	
15	PI2 BPSK	1	40		20.92				
15	PI2 BPSK	1	77		20.96				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.98		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.92		22.0	0.0	
15	QPSK	36	43		20.87		21.0	1.0	
15	QPSK	75	0		20.78		21.0	1.0	
15	16QAM	1	1		19.65		19.5	2.5	
15	16QAM	1	1		18.01				
15	256QAM	1	1		16.67		17.5	4.5	
Channel				349000	349500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	22.0	0.0	
10	QPSK	1	1	20.95	20.91	20.88	22.0	0.0	
Channel									
Frequency (MHz)									
1697.5 1702.5 1707.5									
5	QPSK	1	1	20.89	20.96	20.89	22.0	0.0	



n71 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134900	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	23.27	23.32	23.24		
20	PI2 BPSK	1	53	23.19	23.26	23.17	24.0	0.0
20	PI2 BPSK	1	104	23.09	23.22	23.19		
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0
20	PI2 BPSK	50	28	23.21	23.29	23.17	24.0	0.0
20	PI2 BPSK	50	56	23.03	23.18	23.14		
20	PI2 BPSK	100	0	23.10	23.22	23.09	24.0	0.0
20	QPSK	1	1	23.27	23.38	23.34		
20	QPSK	1	53	23.17	23.31	23.26	24.0	0.0
20	QPSK	1	104	23.18	23.29	23.23		
20	QPSK	50	0	23.11	23.23	23.11	24.0	0.0
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0
20	QPSK	100	0	23.14	23.26	23.14		
20	16QAM	1	1	22.76	22.86	22.84	24.0	0.0
20	64QAM	1	1	22.10	22.19	22.12	23.0	1.0
20	256QAM	1	1	20.83	20.87	20.49	21.0	3.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.15	23.35	23.28	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0
Channel				131500	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.10	23.27	23.21	24.0	0.0



n38 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2535.01	2595	2604.99		
30	PI2 BPSK	1	1	21.94	22.00	21.91		
30	PI2 BPSK	1	1	21.83	21.97	21.76	23.0	0.0
30	PI2 BPSK	1	76	21.76	21.88	21.77		
30	PI2 BPSK	36	0	21.84	21.92	21.74	23.0	0.0
30	PI2 BPSK	36	21	21.96	21.98	21.80	23.0	0.0
30	PI2 BPSK	36	42	21.72	21.86	21.72		
30	PI2 BPSK	75	0	21.74	21.84	21.81	23.0	0.0
30	QPSK	1	1	21.99	22.06	22.03		
30	QPSK	1	40	21.96	22.03	21.93	23.0	0.0
30	QPSK	1	76	21.91	21.94	21.81		
30	QPSK	36	0	21.79	21.96	21.87	23.0	0.0
30	QPSK	36	21	21.92	22.02	21.83	23.0	0.0
30	QPSK	36	42	21.76	21.89	21.82	23.0	0.0
30	QPSK	75	0	21.86	21.87	21.81		
30	16QAM	1	1	21.30	21.34	21.26	23.0	0.0
30	64QAM	1	1	20.50	20.59	20.44	21.5	1.5
30	256QAM	1	1	18.72	18.84	18.71	18.5	3.5
Channel				515004	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.90	21.94	21.86	23.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2558	2595	2630		
20	QPSK	1	1	21.98	22.03	21.92	23.0	0.0
Channel				515002	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.84	22.01	21.80	23.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	21.86	21.94	21.91	23.0	0.0

n41 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528000		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.90	22.02	21.84		
100	PI2 BPSK	1	137	21.82	21.96	21.89	23.0	0.0
100	PI2 BPSK	1	271	21.79	21.89	21.81		
100	PI2 BPSK	135	0	21.34	21.44	21.30	22.5	0.5
100	PI2 BPSK	135	69	21.93	22.04	21.82	23.0	0.0
100	PI2 BPSK	135	138	21.34	21.41	21.35		
100	PI2 BPSK	270	0	21.35	21.49	21.41	22.5	0.5
100	QPSK	1	1	21.95	22.08	21.97		
100	QPSK	1	137	21.86	21.93	21.80	23.0	0.0
100	QPSK	1	271	21.87	21.95	21.89		
100	QPSK	135	0	20.91	21.01	20.90	22.0	1.0
100	QPSK	135	69	21.95	21.99	21.85	23.0	0.0
100	QPSK	135	138	20.88	21.01	20.83	22.0	1.0
100	QPSK	270	0	20.89	20.94	20.81	22.0	1.0
100	16QAM	1	1	20.97	21.03	20.89	22.0	1.0
100	64QAM	1	1	19.02	19.16	19.03	20.5	2.5
100	256QAM	1	1	17.45	17.53	17.43	18.5	4.5
Channel				515000	518598	529598		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.90	21.97	21.89	23.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2662.99	2688.99		
80	QPSK	1	1	21.88	21.96	21.86	23.0	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2531.01	2592.99	2665		
70	QPSK	1	1	21.80	22.00	21.80	23.0	0.0
Channel				505000	518598	531996		
Frequency (MHz)				2526	2592.99	2669.98		
60	QPSK	1	1	21.92	21.96	21.85	23.0	0.0
Channel				505004	518598	532500		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.84	22.02	21.82	23.0	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2516.01	2592.99	2660		
40	QPSK	1	1	21.85	22.04	21.92	23.0	0.0
Channel				502000	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.85	22.00	21.83	23.0	0.0
Channel				501004	518598	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.83	21.98	21.80	23.0	0.0



n41 PC2 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	24.84	24.92	24.77		
100	PI2 BPSK	1	137	24.76	24.86	24.74	26.0	0.0
100	PI2 BPSK	1	271	24.73	24.81	24.70		
100	PI2 BPSK	135	0	24.69	24.77	24.73	26.0	0.0
100	PI2 BPSK	135	69	24.78	24.88	24.73	26.0	0.0
100	PI2 BPSK	135	138	24.60	24.75	24.63	26.0	0.0
100	PI2 BPSK	270	0	24.73	24.79	24.76		
100	QPSK	1	1	24.88	24.90	24.84		
100	QPSK	1	137	24.83	24.91	24.77	26.0	0.0
100	QPSK	1	271	24.70	24.83	24.73		
100	QPSK	135	0	24.30	24.40	24.37	25.5	0.5
100	QPSK	135	69	24.80	24.90	24.77	26.0	0.0
100	QPSK	135	138	24.32	24.38	24.27	25.5	0.5
100	QPSK	270	0	24.28	24.47	24.31		
100	16QAM	1	1	24.24	24.30	24.24	25.5	0.5
100	64QAM	1	1	22.57	22.62	22.52	24.0	2.0
100	256QAM	1	1	20.16	20.30	20.15	22.0	4.0
Channel				510200	519598	529000		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.85	24.87	24.80	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2649.99		
80	QPSK	1	1	24.76	24.84	24.71	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2695		
70	QPSK	1	1	24.76	24.90	24.77	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2458	2592.99	2699.98		
60	QPSK	1	1	24.83	24.82	24.76	26.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2694.99		
50	QPSK	1	1	24.79	24.88	24.80	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2690		
40	QPSK	1	1	24.74	24.89	24.72	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2311	2592.99	2674.98		
30	QPSK	1	1	24.83	24.91	24.76	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	24.84	24.88	24.78	26.0	0.0

n48 Part96 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	20.87	21.01	20.98		
40	PI2 BPSK	1	53	20.85	20.99	20.88	22.0	0.0
40	PI2 BPSK	1	104	20.91	20.95	20.91		
40	PI2 BPSK	50	0	20.30	20.40	20.34	21.5	0.5
40	PI2 BPSK	50	26	20.84	20.97	20.82	22.0	0.0
40	PI2 BPSK	50	56	20.34	20.39	20.34	21.5	0.5
40	PI2 BPSK	100	0	20.38	20.43	20.30		
40	QPSK	1	1	20.99	21.09	20.94		
40	QPSK	1	53	20.95	21.03	20.97	22.0	0.0
40	QPSK	1	104	20.92	20.96	20.93		
40	QPSK	50	0	20.02	20.13	19.98	21.0	1.0
40	QPSK	50	28	20.94	21.05	20.88	22.0	0.0
40	QPSK	90	56	19.88	20.04	19.82	21.0	1.0
40	QPSK	100	0	19.94	20.07	20.03		
40	16QAM	1	1	19.90	19.98	19.81	21.0	1.0
40	64QAM	1	1	18.57	18.78	18.64	19.5	2.5
40	256QAM	1	1	16.82	16.82	16.67	17.5	4.5
Channel				637000	641666	646000		
Frequency (MHz)				3665.02	3694.99	3684.99		
30	QPSK	1	1	20.87	21.03	20.83	22.0	0.0
Channel				637204	641666	646000		
Frequency (MHz)				3662.01	3624.99	3690		
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3556	3624.99	3694.98		
10	QPSK	1	1	20.90	20.89	20.89	22.0	0.0



Part270 n77 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.81	22.84	22.81			
100	PI2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0	
100	PI2 BPSK	1	271	22.77	22.89	22.77			
100	PI2 BPSK	135	0	22.74	22.80	22.74	24.0	0.0	
100	PI2 BPSK	135	69	22.96	22.97	22.93	24.0	0.0	
100	PI2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0	
100	PI2 BPSK	270	0	22.82	22.82	22.81			
100	QPSK	1	1	22.88	23.06	23.04			
100	QPSK	1	137	22.86	22.96	22.83	24.0	0.0	
100	QPSK	1	271	22.87	22.99	22.88			
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0	
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0	
100	QPSK	135	138	22.94	22.88	22.89	24.0	0.0	
100	QPSK	270	0	22.84	22.80	22.77			
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0	
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0	
100	256QAM	1	1	20.10	20.24	20.10	21.0	3.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.82	22.86	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.73	22.89	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.81	22.88	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.74	22.90	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.71	22.89	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.74	23.00	22.87	24.0	0.0	

Part270 n77 PC2 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	25.86	25.92	25.80			
100	PI2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0	
100	PI2 BPSK	1	271	25.88	26.07	26.03			
100	PI2 BPSK	135	0	25.80	25.84	25.79	27.0	0.0	
100	PI2 BPSK	135	69	25.86	26.02	25.86	27.0	0.0	
100	PI2 BPSK	135	138	25.82	26.06	25.90	27.0	0.0	
100	PI2 BPSK	270	0	25.70	25.91	25.87			
100	QPSK	1	1	25.80	26.13	26.08			
100	QPSK	1	137	25.74	25.92	25.81	27.0	0.0	
100	QPSK	1	271	25.83	26.03	25.87			
100	QPSK	135	0	25.84	25.82	25.76	27.0	0.0	
100	QPSK	135	69	25.90	26.10	26.00	27.0	0.0	
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0	
100	QPSK	270	0	25.77	25.97	25.81			
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0	
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5	
100	256QAM	1	1	23.10	23.40	23.20	24.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.60	25.87	25.87	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.70	26.00	25.95	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.77	25.98	26.04	27.0	0.0	



Part27Q n77 Ant 0									
BW (MHz)	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	23.24	23.32	23.36			
100	PI2 BPSK	1	137	23.32	23.32	23.32	24.0	0.0	
100	PI2 BPSK	1	271	23.28	23.28	23.28			
100	PI2 BPSK	135	0	23.22	23.22	23.22	24.0	0.0	
100	PI2 BPSK	135	69	23.23	23.23	23.23	24.0	0.0	
100	PI2 BPSK	135	138	23.26	23.26	23.26	24.0	0.0	
100	PI2 BPSK	270	0	23.20	23.20	23.20			
100	QPSK	1	1	23.36	23.36	23.36			
100	QPSK	1	137	23.26	23.26	23.26	24.0	0.0	
100	QPSK	1	271	23.24	23.24	23.24			
100	QPSK	135	0	23.24	23.24	23.24	24.0	0.0	
100	QPSK	135	69	23.29	23.29	23.29	24.0	0.0	
100	QPSK	135	138	23.24	23.24	23.24	24.0	0.0	
100	QPSK	270	0	23.23	23.23	23.23			
100	16QAM	1	1	23.21	23.21	23.21	24.0	0.0	
100	64QAM	1	1	23.32	23.32	23.32	23.0	1.0	
100	256QAM	1	1	23.30	23.30	23.30	21.0	3.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.21	23.27	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.28	23.24	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.15	23.27	23.15	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.20	23.23	23.15	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.22	23.32	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.16	23.20	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.24	23.33	23.23	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.17	23.26	23.18	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.29	23.25	23.13	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.21	23.25	23.13	24.0	0.0	

Part27Q n77 PC2 Ant 0									
BW (MHz)	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	26.30	26.30	26.30			
100	PI2 BPSK	1	137	26.30	26.30	26.30	27.0	0.0	
100	PI2 BPSK	1	271	26.38	26.38	26.38			
100	PI2 BPSK	135	0	26.33	26.33	26.33	27.0	0.0	
100	PI2 BPSK	135	69	26.29	26.29	26.29	27.0	0.0	
100	PI2 BPSK	135	138	26.30	26.30	26.30	27.0	0.0	
100	PI2 BPSK	270	0	26.38	26.38	26.38			
100	QPSK	1	1	26.46	26.46	26.46			
100	QPSK	1	137	26.36	26.36	26.36	27.0	0.0	
100	QPSK	1	271	26.31	26.31	26.31			
100	QPSK	135	0	26.29	26.29	26.29	27.0	0.0	
100	QPSK	135	69	26.35	26.35	26.35	27.0	0.0	
100	QPSK	135	138	26.26	26.26	26.26	27.0	0.0	
100	QPSK	270	0	26.40	26.40	26.40			
100	16QAM	1	1	26.29	26.29	26.29	27.0	0.0	
100	64QAM	1	1	26.08	26.08	26.08	26.5	0.5	
100	256QAM	1	1	24.11	24.11	24.11	24.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	26.30	26.34	26.43	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.38	26.40	26.29	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.30	26.39	26.29	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.36	26.31	26.34	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.38	26.33	26.37	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.42	26.36	26.32	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.32	26.33	26.43	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.36	26.38	26.41	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	26.42	26.33	26.37	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.35	26.31	26.34	27.0	0.0	



Part270 n78 Ant 0

BW (MHz)	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	Pl2 BPSK	1	1	3750	3750	3750		
100	Pl2 BPSK	1	137		22.85			
100	Pl2 BPSK	1	271		22.80		24.0	0.0
100	Pl2 BPSK	1	271		22.74			
100	Pl2 BPSK	135	0		22.85		24.0	0.0
100	Pl2 BPSK	135	69		22.73		24.0	0.0
100	Pl2 BPSK	135	138		22.84		24.0	0.0
100	Pl2 BPSK	270	0		22.75		24.0	0.0
100	QPSK	1	1		22.89			
100	QPSK	1	137		22.81		24.0	0.0
100	QPSK	1	271		22.72			
100	QPSK	135	0		22.75		23.5	0.5
100	QPSK	135	69		22.83		24.0	0.0
100	QPSK	135	138		22.75		23.5	0.5
100	QPSK	270	0		22.85		22.0	2.0
100	16QAM	1	1		22.25		22.0	2.0
100	64QAM	1	1		20.83		22.0	4.0
100	256QAM	1	1		19.01		22.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64098	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.71	22.84	22.79	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.53	22.79	22.66	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.73	22.80	22.80	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.75	22.75	22.73	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.78	22.85	22.87	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.52	22.73	22.74	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.81	22.83	22.70	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.83	22.73	22.72	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.74	22.88	22.72	24.0	0.0

Part270 n78 PC2 Ant 0

BW (MHz)	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	Pl2 BPSK	1	1		25.83			
100	Pl2 BPSK	1	137		25.82		27.0	0.0
100	Pl2 BPSK	1	271		25.85			
100	Pl2 BPSK	135	0		25.90		27.0	0.0
100	Pl2 BPSK	135	69		25.96		27.0	0.0
100	Pl2 BPSK	135	138		25.91		27.0	0.0
100	Pl2 BPSK	270	0		25.87		27.0	0.0
100	QPSK	1	1		25.97			
100	QPSK	1	137		25.96		27.0	0.0
100	QPSK	1	271		25.94			
100	QPSK	135	0		25.83		27.0	0.0
100	QPSK	135	69		25.93		27.0	0.0
100	QPSK	135	138		25.94		27.0	0.0
100	QPSK	270	0		25.94		27.0	0.0
100	16QAM	1	1		25.58		25.5	1.5
100	64QAM	1	1		24.18		25.5	1.5
100	256QAM	1	1		22.28		23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64098	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.83	25.83	25.83	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.81	25.85	25.81	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.91	25.85	25.83	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.91	25.94	25.83	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.78	25.83	25.81	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.85	25.94	25.87	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.92	25.92	25.85	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.78	25.91	25.77	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.80	25.91	25.77	27.0	0.0

Part270 n78 Ant 0

BW (MHz)	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	Pl2 BPSK	1	1		350.01			
100	Pl2 BPSK	1	137		23.22			
100	Pl2 BPSK	1	271		23.18		24.0	0.0
100	Pl2 BPSK	1	271		23.29			
100	Pl2 BPSK	135	0		23.22		24.0	0.0
100	Pl2 BPSK	135	69		23.30		24.0	0.0
100	Pl2 BPSK	135	138		23.29		24.0	0.0
100	Pl2 BPSK	270	0		23.17		24.0	0.0
100	QPSK	1	1		23.32			
100	QPSK	1	137		23.21		24.0	0.0
100	QPSK	1	271		23.17			
100	QPSK	135	0		23.18		23.5	0.5
100	QPSK	135	69		23.23		24.0	0.0
100	QPSK	135	138		23.17		23.5	0.5
100	QPSK	270	0		23.26		22.0	2.0
100	16QAM	1	1		23.13		22.0	2.0
100	64QAM	1	1		21.58		22.0	4.0
100	256QAM	1	1		19.48		22.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.17	23.23	23.18	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.22	23.29	23.14	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.09	23.22	23.19	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.10	23.20	23.19	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.22	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.24	23.27	23.16	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.23	23.26	23.20	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.14	23.19	23.25	24.0	0.0



Part27Q n78 PC2 Ant 0

BW [MHz]	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		3500.01			
100	PI2 BPSK	1	137		20.24			
100	PI2 BPSK	1	271		20.33		27.0	0.0
100	PI2 BPSK	135	0		20.28			
100	PI2 BPSK	135	69		20.22		27.0	0.0
100	PI2 BPSK	135	138		20.32		27.0	0.0
100	PI2 BPSK	270	0		20.27		27.0	0.0
100	PI2 BPSK	270	0		20.25			
100	QPSK	1	1		20.38			
100	QPSK	1	197		20.33		27.0	0.0
100	QPSK	1	271		20.22			
100	QPSK	135	0		20.30		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.32		27.0	0.0
100	QPSK	270	0		20.23			
100	16QAM	1	1		20.16		27.0	0.0
100	64QAM	1	1		25.20		25.5	1.5
100	256QAM	1	1		23.16		23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				20.16	20.26	20.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				20.24	20.24	20.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				20.22	20.29	20.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				20.20	20.26	20.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631800	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				20.26	20.29	20.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
				20.18	20.23	20.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				20.24	20.34	20.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				20.22	20.27	20.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636300	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				20.18	20.35	20.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
				20.25	20.32	20.27	27.0	0.0



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				370000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.38	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.40	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.30	19.41	19.29	21.0	1.0	
Channel									
				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	22.0	1.0	
Channel									
				162000	162500	163000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
				166800	167300	168000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
				166800	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	22.18	22.23	22.14			
40	PI2 BPSK	1	108	22.07	22.14	22.00	23.0	0.0	
40	PI2 BPSK	1	214	22.06	22.11	21.99			
40	PI2 BPSK	108	0	22.03	22.17	22.10	23.0	0.0	
40	PI2 BPSK	108	54	22.09	22.21	22.13	23.0	0.0	
40	PI2 BPSK	108	108	22.08	22.16	22.04	23.0	0.0	
40	PI2 BPSK	216	0	22.14	22.20	22.16			
40	QPSK	1	1	22.13	22.26	22.21			
40	QPSK	1	108	22.08	22.20	22.17	23.0	0.0	
40	QPSK	1	214	22.11	22.14	22.09			
40	QPSK	108	0	21.97	22.10	21.97	23.0	0.0	
40	QPSK	108	54	22.14	22.17	22.07	23.0	0.0	
40	QPSK	108	108	21.93	22.02	21.94	23.0	0.0	
40	QPSK	216	0	21.94	22.05	22.04			
40	16QAM	1	1	21.69	21.83	21.76	22.0	1.0	
40	64QAM	1	1	21.05	21.09	20.96	22.0	1.0	
40	256QAM	1	1	19.33	19.63	19.36	20.0	1.0	
Channel									
				502000	503000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.15	22.15	22.11	23.0	0.0	
Channel									
				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	22.11	22.20	22.14	23.0	0.0	
Channel									
				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	PI2 BPSK	1	1	22.08	22.11	22.18	23.0	0.0	
Channel									
				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.07	22.18	22.10	23.0	0.0	
Channel									
				501500	503000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.11	22.21	22.11	23.0	0.0	
Channel									
				502000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.13	22.22	22.15	23.0	0.0	



n12 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141600	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	21.62	21.66	21.76			
15	PI2 BPSK	1	49	21.64	21.71	21.80	23.0	0.0	
15	PI2 BPSK	1	77	21.49	21.59	21.46			
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0	
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0	
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0	
15	PI2 BPSK	75	0	21.71	21.79	21.70			
15	QPSK	1	1	21.87	21.95	21.82			
15	QPSK	1	49	21.76	21.83	21.74	23.0	0.0	
15	QPSK	1	77	21.70	21.79	21.67			
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0	
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0	
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0	
15	QPSK	75	0	21.72	21.76	21.74			
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0	
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0	
15	256QAM	1	1	19.33	19.41	19.29	23.0	3.0	
Channel				142000	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	21.82	21.88	21.69	23.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)	
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0	

n13 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				156300	156400	156500			
Frequency (MHz)				782					
10	PI2 BPSK	1	1	21.84					
10	PI2 BPSK	1	26	21.79			23.0	0.0	
10	PI2 BPSK	1	50	21.72					
10	PI2 BPSK	25	0	20.93			22.5	0.5	
10	PI2 BPSK	25	14	21.86			23.0	0.0	
10	PI2 BPSK	25	27	21.76			22.5	0.5	
10	PI2 BPSK	50	0	21.81					
10	QPSK	1	1	21.94					
10	QPSK	1	26	21.87			23.0	0.0	
10	QPSK	1	50	21.83					
10	QPSK	25	0	20.89			22.0	1.0	
10	QPSK	25	14	21.89			23.0	0.0	
10	QPSK	25	27	21.13			22.0	1.0	
10	QPSK	50	0	21.16					
10	16QAM	1	1	20.71			22.0	1.0	
10	64QAM	1	1	19.53			20.5	2.5	
10	256QAM	1	1	18.22			18.5	4.5	
Channel				156900	156400	156900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5	(dBm)	(dB)	
5	QPSK	1	1	21.80	21.87	21.81	23.0	0.0	

n14 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				158100	158600	158700			
Frequency (MHz)				793					
10	PI2 BPSK	1	1	21.98					
10	PI2 BPSK	1	26	21.90			23.0	0.0	
10	PI2 BPSK	1	50	21.86					
10	PI2 BPSK	25	0	21.89			23.0	0.0	
10	PI2 BPSK	25	14	21.95			23.0	0.0	
10	PI2 BPSK	25	27	21.86			23.0	0.0	
10	PI2 BPSK	50	0	21.93					
10	QPSK	1	1	22.04					
10	QPSK	1	26	22.01			23.0	0.0	
10	QPSK	1	50	21.96					
10	QPSK	25	0	21.94			23.0	0.0	
10	QPSK	25	14	21.99			23.0	0.0	
10	QPSK	25	27	21.87			23.0	0.0	
10	QPSK	50	0	21.94					
10	16QAM	1	1	21.88			23.0	0.0	
10	64QAM	1	1	20.85			22.0	1.0	
10	256QAM	1	1	19.09			20.0	3.0	
Channel				158100	158600	158700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5	(dBm)	(dB)	
5	QPSK	1	1	21.93	21.98	21.91	23.0	0.0	



n25 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.			
Channel									
				374000	376000	378000			
Frequency (MHz)									
40	PI2 BPSK	1	1	2139	2143	2133			
40	PI2 BPSK	1	108	2132	2137	2122	23.0	0.0	
40	PI2 BPSK	1	214	2134	2140	2128			
40	PI2 BPSK	108	0	2135	2139	2132	23.0	0.0	
40	PI2 BPSK	108	54	2135	2145	2138	23.0	0.0	
40	PI2 BPSK	108	108	2131	2134	2127	23.0	0.0	
40	PI2 BPSK	216	0	2128	2138	2126	23.0	0.0	
40	QPSK	1	1	2149	2152	2145			
40	QPSK	1	108	2137	2148	2140	23.0	0.0	
40	QPSK	1	214	2130	2142	2134			
40	QPSK	108	0	2132	2136	2129	23.0	0.0	
40	QPSK	108	54	2142	2149	2138	23.0	0.0	
40	QPSK	108	108	2138	2141	2137	23.0	0.0	
40	QPSK	216	0	2136	2144	2133	23.0	0.0	
40	16QAM	1	1	2133	2137	2128	23.0	0.0	
40	64QAM	1	1	2032	2042	2037	22.0	1.0	
40	256QAM	1	1	1937	1933	1930	23.0	3.0	
Channel									
				372000	374000	376000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	2142	2147	2135	23.0	0.0	
Channel									
				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	2135	2141	2138	23.0	0.0	
Channel									
				372000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	2139	2143	2133	23.0	0.0	
Channel									
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	2134	2146	2134	23.0	0.0	
Channel									
				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	2145	2149	2136	23.0	0.0	
Channel									
				376000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	2138	2143	2138	23.0	0.0	

n26 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.			
Channel									
				164800	166300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	2207	2211	2202			
20	PI2 BPSK	1	53	2188	2195	2180	23.0	0.0	
20	PI2 BPSK	1	104	2185	2191	2180			
20	PI2 BPSK	50	0	2187	2199	2188	23.0	0.0	
20	PI2 BPSK	50	28	2194	2206	2194	23.0	0.0	
20	PI2 BPSK	50	56	2183	2191	2181	23.0	0.0	
20	PI2 BPSK	100	0	2192	2201	2195	23.0	0.0	
20	QPSK	1	1	2203	2215	2204			
20	QPSK	1	53	2189	2210	2207	23.0	0.0	
20	QPSK	1	104	2191	2205	2194			
20	QPSK	50	0	2187	2201	2192	23.0	0.0	
20	QPSK	50	28	2208	2212	2206	23.0	0.0	
20	QPSK	50	56	2192	2199	2180	23.0	0.0	
20	QPSK	100	0	2202	2208	2194	23.0	0.0	
20	16QAM	1	1	2184	2175	2169	22.0	0.0	
20	64QAM	1	1	2086	2111	2108	22.0	1.0	
20	256QAM	1	1	1932	1941	1929	23.0	3.0	
Channel									
				163000	163300	163300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	2202	2208	2195	23.0	0.0	
Channel									
				163000	163000	163000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	2197	2203	2188	23.0	0.0	
Channel									
				163000	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	2195	2210	2191	23.0	0.0	



n30 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel					2310				
Frequency (MHz)									
10	PI/2 BPSK	1	1	2173					
10	PI/2 BPSK	1	26	2179			23.0	0.0	
10	PI/2 BPSK	1	50	2173					
10	PI/2 BPSK	25	0	2169			23.0	0.0	
10	PI/2 BPSK	25	14	2169			23.0	0.0	
10	PI/2 BPSK	25	27	2168			23.0	0.0	
10	PI/2 BPSK	50	0	2165					
10	QPSK	1	1	2185					
10	QPSK	1	26	2181			23.0	0.0	
10	QPSK	1	50	2174					
10	QPSK	25	0	2171			23.0	0.0	
10	QPSK	25	14	2181			23.0	0.0	
10	QPSK	25	27	2167			23.0	0.0	
10	QPSK	50	0	2172			23.0	0.0	
10	16QAM	1	1	2169			23.0	0.0	
10	64QAM	1	1	2073			22.0	1.0	
10	256QAM	1	1	1837			22.0	3.0	
Channel					46190	46200	46250	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					2307.5	2310	2312.5		
5	QPSK	1	1	2179	2178	2179	23.0	0.0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel					346000	349000	352000		
Frequency (MHz)									
40	PI/2 BPSK	1	1	2167	2173	2181			
40	PI/2 BPSK	1	108	2149	2181	2185	23.0	0.0	
40	PI/2 BPSK	1	214	2158	2183	2180			
40	PI/2 BPSK	108	0	2150	2159	2148	23.0	0.0	
40	PI/2 BPSK	108	54	2185	2170	2156	23.0	0.0	
40	PI/2 BPSK	108	108	2150	2158	2152	23.0	0.0	
40	PI/2 BPSK	216	0	2159	2164	2152			
40	QPSK	1	1	2167	2179	2174			
40	QPSK	1	108	2182	2172	2183	23.0	0.0	
40	QPSK	1	214	2157	2187	2154			
40	QPSK	108	0	2157	2182	2157	23.0	0.0	
40	QPSK	108	54	2182	2174	2180	23.0	0.0	
40	QPSK	108	108	2180	2188	2155	23.0	0.0	
40	QPSK	216	0	2167	2171	2184			
40	16QAM	1	1	2152	2183	2152	23.0	0.0	
40	64QAM	1	1	2082	2097	2093	22.0	1.0	
40	256QAM	1	1	1932	1977	1988	23.0	3.0	
Channel					352000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1725	1745	1765		
30	QPSK	1	1	2184	2170	2180	23.0	0.0	
Channel					345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1777.5	1745	1772.5		
15	QPSK	1	1	2184	2175	2184	23.0	0.0	
Channel					343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1715	1745	1775		
10	QPSK	1	1	2180	2173	2182	23.0	0.0	
Channel					352500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1732.5	1745	1777.5		
5	QPSK	1	1	2152	2171	2188	23.0	0.0	

n70 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel					1702.5				
Frequency (MHz)									
15	PI/2 BPSK	1	1	2150					
15	PI/2 BPSK	1	40	2187			23.0	0.0	
15	PI/2 BPSK	1	77	2182					
15	PI/2 BPSK	36	0	2134			22.5	0.5	
15	PI/2 BPSK	36	22	2186			23.0	0.0	
15	PI/2 BPSK	36	43	2126			22.5	0.5	
15	PI/2 BPSK	75	0	2132					
15	QPSK	1	1	2195					
15	QPSK	1	40	2183			23.0	0.0	
15	QPSK	1	77	2186					
15	QPSK	36	0	2135			22.0	1.0	
15	QPSK	36	22	2188			23.0	0.0	
15	QPSK	36	43	2140			22.0	1.0	
15	QPSK	75	0	2132					
15	16QAM	1	1	2134			22.0	1.0	
15	64QAM	1	1	1988			20.5	2.5	
15	256QAM	1	1	1752			18.5	4.5	
Channel					345000	345000	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1700	1702.5	1705		
10	QPSK	1	1	2184	2192	2181	23.0	0.0	
Channel					335000	345000	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1697.5	1702.5	1707.5		
5	QPSK	1	1	2181	2188	2183	23.0	0.0	



n71 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.08	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	58	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.18	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	58	21.91	22.06	21.98	23.0	0.0
20	QPSK	100	0	22.03	22.13	21.95		
20	16QAM	1	1	21.98	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.98	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.43	19.42	20.0	3.0
Channel				134500	136000	137500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	688		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	690.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Mid Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				517002	519000	520998			
Frequency (MHz)				2562.01	2595	2624.99			
30	PI2 BPSK	1	1	22.40	22.44	22.35			
30	PI2 BPSK	1	49	22.26	22.39	22.36	23.0	0.0	
30	PI2 BPSK	1	76	22.13	22.27	22.12			
30	PI2 BPSK	36	0	22.30	22.42	22.29	23.0	0.0	
30	PI2 BPSK	36	21	22.34	22.39	22.26	23.0	0.0	
30	PI2 BPSK	36	42	22.23	22.35	22.30	23.0	0.0	
30	PI2 BPSK	76	0	22.33	22.38	22.33	23.0	0.0	
30	QPSK	1	1	22.41	22.53	22.47			
30	QPSK	1	49	22.30	22.42	22.33	23.0	0.0	
30	QPSK	1	76	22.41	22.45	22.39			
30	QPSK	36	0	22.29	22.41	22.38	23.0	0.0	
30	QPSK	36	21	22.37	22.46	22.40	23.0	0.0	
30	QPSK	36	42	22.28	22.32	22.20	23.0	0.0	
30	QPSK	76	0	22.33	22.38	22.38	23.0	0.0	
30	16QAM	1	1	22.26	22.39	22.27	23.0	0.0	
30	64QAM	1	1	20.74	20.89	20.83	21.5	1.5	
30	256QAM	1	1	19.09	19.21	19.03	18.5	3.5	
Channel				515004	519000	524996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2627.48			
25	QPSK	1	1	22.28	22.49	22.43	23.0	0.0	
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2560	2595	2610			
20	QPSK	1	1	22.29	22.39	22.37	23.0	0.0	
Channel				515002	519000	524998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
16	QPSK	1	1	22.30	22.41	22.34	23.0	0.0	
Channel				515004	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2573.02	2595	2614.98			
10	QPSK	1	1	22.28	22.47	22.35	23.0	0.0	

n41 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Mid Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	516998	520998			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	21.52	22.04	21.97			
100	PI2 BPSK	1	137	21.90	21.98	21.86	23.0	0.0	
100	PI2 BPSK	1	271	21.86	21.95	21.89			
100	PI2 BPSK	136	0	21.42	21.45	21.38	22.5	0.5	
100	PI2 BPSK	136	69	21.93	22.02	21.88	23.0	0.0	
100	PI2 BPSK	136	138	21.37	21.49	21.41	22.5	0.5	
100	PI2 BPSK	270	0	21.31	21.40	21.36			
100	QPSK	1	1	21.98	22.07	22.03			
100	QPSK	1	197	21.95	22.01	21.87	23.0	0.0	
100	QPSK	1	271	21.94	21.92	21.85			
100	QPSK	136	0	20.01	21.06	20.90	22.0	1.0	
100	QPSK	136	69	21.94	22.02	21.99	23.0	0.0	
100	QPSK	136	138	20.96	20.89	20.78	22.0	1.0	
100	QPSK	270	0	20.76	20.95	20.87	22.0	1.0	
100	16QAM	1	1	20.81	20.96	20.80	22.0	1.0	
100	64QAM	1	1	19.19	19.32	19.28	20.5	2.5	
100	256QAM	1	1	17.48	17.56	17.41	18.5	4.5	
Channel				505200	516998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.93	22.04	21.99	23.0	0.0	
Channel				507204	516998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	1	21.95	21.95	21.90	23.0	0.0	
Channel				506202	516998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.99	22.00	21.90	23.0	0.0	
Channel				505200	516998	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.88	22.00	21.93	23.0	0.0	
Channel				503202	516998	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.88	21.98	21.98	23.0	0.0	
Channel				503202	516998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	21.92	21.97	21.86	23.0	0.0	
Channel				502200	516998	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.95	22.01	21.92	23.0	0.0	
Channel				501204	516998	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.87	21.92	21.92	23.0	0.0	



n41 PC2 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528600		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	25.17	25.21	25.09		
100	PI2 BPSK	1	137	25.07	25.17	25.04	26.0	0.0
100	PI2 BPSK	1	271	25.00	25.11	25.02		
100	PI2 BPSK	135	0	24.90	25.02	24.95	26.0	0.0
100	PI2 BPSK	135	69	25.03	25.14	25.08	26.0	0.0
100	PI2 BPSK	135	138	24.97	25.07	24.95	26.0	0.0
100	PI2 BPSK	270	0	25.03	25.11	25.00		
100	QPSK	1	1	25.25	25.28	25.16		
100	QPSK	1	137	25.16	25.20	25.08	26.0	0.0
100	QPSK	1	271	25.09	25.15	25.07		
100	QPSK	135	0	24.83	24.88	24.81	25.5	0.5
100	QPSK	135	69	25.21	25.23	25.12	26.0	0.0
100	QPSK	135	138	24.80	24.71	24.56	25.5	0.5
100	QPSK	270	0	24.84	24.80	24.59		
100	16QAM	1	1	24.47	24.61	24.50	25.5	0.5
100	64QAM	1	1	22.93	23.04	22.91	24.0	2.0
100	256QAM	1	1	20.92	21.04	20.90	22.0	4.0
Channel				510200	519598	529600		
Frequency (MHz)				2544	2592.99	2644.98		
90	QPSK	1	1	25.14	25.15	25.03	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	25.18	25.14	25.05	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.21	25.13	25.03	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2458	2592.99	2659.98		
60	QPSK	1	1	25.22	25.22	25.02	26.0	0.0
Channel				510204	519598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.17	25.17	25.10	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2680		
40	QPSK	1	1	25.15	25.25	25.03	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.20	25.14	25.01	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2592.99	2679.99		
20	QPSK	1	1	25.16	25.21	25.01	26.0	0.0

n48 Part96 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	23.65	23.66	23.63		
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0
40	PI2 BPSK	1	104	23.49	23.62	23.45		
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5
40	PI2 BPSK	50	26	23.53	23.67	23.56	24.0	0.0
40	PI2 BPSK	50	55	23.14	23.18	23.14	23.5	0.5
40	PI2 BPSK	100	0	23.14	23.22	23.22		
40	QPSK	1	1	23.65	23.73	23.56		
40	QPSK	1	53	23.54	23.62	23.60	24.0	0.0
40	QPSK	1	104	23.41	23.62	23.51		
40	QPSK	50	0	22.85	22.82	22.64	23.0	1.0
40	QPSK	50	28	23.80	23.70	23.47	24.0	0.0
40	QPSK	50	56	22.57	22.69	22.64	23.0	1.0
40	QPSK	100	0	22.63	22.62	22.71		
40	16QAM	1	1	22.56	22.67	22.58	23.0	1.0
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5
40	256QAM	1	1	19.17	19.35	19.25	19.5	4.5
Channel				637000	641666	646000		
Frequency (MHz)				3665.02	3634.99	3684.99		
30	QPSK	1	1	23.16	23.22	23.03	24.0	0.0
Channel				637304	641666	646000		
Frequency (MHz)				3662.91	3624.99	3660		
20	QPSK	1	1	23.16	23.19	23.05	24.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	23.16	23.20	23.05	24.0	0.0



Part270 n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.79	22.89	22.80	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.82	22.91	22.86	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.82	22.82	22.78	24.0	0.0

Part270 n77 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.64	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.63	25.70	25.66	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.79	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.28	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.78	25.81	25.68	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.79	25.80	25.67	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.75	25.84	25.60	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.80	25.87	25.72	27.0	0.0

Part270Q n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1		350.01			
100	Pl2 BPSK	1	137		350.01		24.0	0.0
100	Pl2 BPSK	1	271		350.01			
100	Pl2 BPSK	135	0		350.01		23.5	0.5
100	Pl2 BPSK	135	69		350.01		24.0	0.0
100	Pl2 BPSK	135	138		350.01		23.5	0.5
100	Pl2 BPSK	270	0		350.01			
100	QPSK	1	1		350.01			
100	QPSK	1	137		350.01		24.0	0.0
100	QPSK	1	271		350.01			
100	QPSK	135	0		350.01		23.0	1.0
100	QPSK	135	69		350.01		24.0	0.0
100	QPSK	135	138		350.01		23.0	1.0
100	QPSK	270	0		350.01			
100	16QAM	1	1		350.01		21.5	2.5
100	64QAM	1	1		350.01		19.5	4.5
100	256QAM	1	1		350.01		18.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0



Part27Q n77 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.54			
100	PI2 BPSK	1	271		20.32		27.0	0.0
100	PI2 BPSK	135	0		20.51			
100	PI2 BPSK	135	69		20.34		27.0	0.0
100	PI2 BPSK	135	138		20.44		27.0	0.0
100	PI2 BPSK	270	0		20.18		27.0	0.0
100	PI2 BPSK	270	0		20.27			
100	QPSK	1	1		20.00			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.30		27.0	0.0
100	QPSK	135	0		20.58		26.5	0.5
100	QPSK	135	69		20.42		27.0	0.0
100	QPSK	135	138		20.50		26.5	0.5
100	QPSK	270	0		20.15		27.0	0.0
100	16QAM	1	1		20.02		26.5	0.5
100	64QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
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	20.47	20.46	20.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.48	20.58	20.53	27.0	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	20.50	20.51	20.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.47	20.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631803	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.45	20.43	27.0	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	20.54	20.51	20.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.56	20.52	20.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.58	20.57	20.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	633100	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.57	20.58	20.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	20.50	20.45	20.55	27.0	0.0



Part270 n78 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	3750	3750	3750	24.0	0.0
100	Pi/2 BPSK	1	137		22.90			
100	Pi/2 BPSK	1	271		22.85			
100	Pi/2 BPSK	1	271		22.81			
100	Pi/2 BPSK	135	0		22.33	23.5		
100	Pi/2 BPSK	135	69		22.86	24.0		
100	Pi/2 BPSK	135	138		22.32	23.5		
100	Pi/2 BPSK	270	0		22.40	23.5		
100	QPSK	1	1		22.91	24.0		
100	QPSK	1	137		22.83	24.0		
100	QPSK	1	271		22.72	24.0		
100	QPSK	135	0		22.05	23.0		
100	QPSK	135	69		22.82	24.0		
100	QPSK	135	138		21.90	23.0		
100	QPSK	270	0		21.53	21.5		
100	16QAM	1	1		21.71	21.5		
100	64QAM	1	1		20.36	15.0		
100	256QAM	1	1		18.03	4.5		
Channel								
Frequency (MHz)								
90	QPSK	1	1	64098	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.88	22.85	22.86	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64968	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.87	22.78	22.86	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64766	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	64734	65000	65266	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.80	22.84	22.85	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.90	22.75	22.85	24.0	0.0

Part270 n78 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1		25.90		27.0	0.0
100	Pi/2 BPSK	1	137		25.74			
100	Pi/2 BPSK	1	271		25.70			
100	Pi/2 BPSK	135	0		25.79	27.0		
100	Pi/2 BPSK	135	69		25.87	27.0		
100	Pi/2 BPSK	135	138		25.75	27.0		
100	Pi/2 BPSK	270	0		25.78	27.0		
100	QPSK	1	1		25.94	27.0		
100	QPSK	1	137		25.86	27.0		
100	QPSK	1	271		25.89	27.0		
100	QPSK	135	0		25.64	26.5		
100	QPSK	135	69		25.88	27.0		
100	QPSK	135	138		25.40	26.5		
100	QPSK	270	0		25.82	26.5		
100	16QAM	1	1		25.40	25.0		
100	64QAM	1	1		23.91	15.0		
100	256QAM	1	1		22.01	4.0		
Channel								
Frequency (MHz)								
90	QPSK	1	1	64098	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.91	25.90	25.91	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64968	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.85	25.80	25.78	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64766	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	64734	65000	65266	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.86	25.89	25.78	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.93	25.97	25.87	27.0	0.0

Part270 n78 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1		350.01		24.0	0.0
100	Pi/2 BPSK	1	137		23.30			
100	Pi/2 BPSK	1	271		23.29			
100	Pi/2 BPSK	1	271		23.46			
100	Pi/2 BPSK	135	0		23.09	23.5		
100	Pi/2 BPSK	135	69		23.33	24.0		
100	Pi/2 BPSK	135	138		22.99	23.5		
100	Pi/2 BPSK	270	0		23.12	23.5		
100	QPSK	1	1		23.41	24.0		
100	QPSK	1	137		23.19	24.0		
100	QPSK	1	271		23.35	24.0		
100	QPSK	135	0		22.71	23.0		
100	QPSK	135	69		23.40	24.0		
100	QPSK	135	138		22.81	23.0		
100	QPSK	270	0		22.96	23.5		
100	16QAM	1	1		22.37	21.5		
100	64QAM	1	1		21.25	15.0		
100	256QAM	1	1		18.31	4.5		
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63354	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63068	63334	63400	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.28	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3495.02	3500.01	3505.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63000	63334	63668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.35	23.33	23.32	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63166	63334	63500	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3495.02	3500.01	3505.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	63000	63334	63668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3495.02	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	63166	63334	63500	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.33	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	62900	63334	63668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	3495.02	3500.01	3505.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.25	23.25	23.25	24.0	0.0



Part27Q n78 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. #DW/0	Mid Ch. / Freq. #DW/0	High Ch. / Freq. #DW/0		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	24.43				
100	PI2 BPSK	1	137	26.12			27.0	0.0
100	PI2 BPSK	1	271	26.39				
100	PI2 BPSK	135	0	26.23			27.0	0.0
100	PI2 BPSK	135	69	26.60				
100	PI2 BPSK	135	138	26.12			27.0	0.0
100	PI2 BPSK	270	0	25.96				
100	QPSK	1	1	26.51				
100	QPSK	1	137	26.27			27.0	0.0
100	QPSK	1	271	26.40				
100	QPSK	135	0	25.81			26.5	0.5
100	QPSK	135	69	26.30				
100	QPSK	135	138	26.69			26.5	0.5
100	QPSK	270	0	25.55				
100	16QAM	1	1	25.76			26.5	0.5
100	64QAM	1	1	24.17			25.0	2.0
100	256QAM	1	1	22.12			23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.47	26.36	26.41	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.41	26.40	26.45	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.47	26.47	26.37	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.35	26.37	26.47	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.49	26.48	26.48	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.41	26.43	26.47	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.34	26.47	26.42	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.47	26.44	26.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.45	26.49	26.47	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.36	26.47	26.43	27.0	0.0



n2 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				372000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.50	21.62	21.58			
20	PI2 BPSK	1	53	21.45	21.58	21.44	23.0	0.0	
20	PI2 BPSK	1	104	21.46	21.50	21.35			
20	PI2 BPSK	50	0	21.40	21.44	21.31	23.0	0.0	
20	PI2 BPSK	50	28	21.42	21.54	21.42	23.0	0.0	
20	PI2 BPSK	50	56	21.44	21.49	21.44	23.0	0.0	
20	PI2 BPSK	100	0	21.46	21.51	21.39	23.0	0.0	
20	QPSK	1	1	21.54	21.66	21.57			
20	QPSK	1	53	21.61	21.64	21.54	23.0	0.0	
20	QPSK	1	104	21.68	21.55	21.43			
20	QPSK	50	0	21.50	21.59	21.46	23.0	0.0	
20	QPSK	50	28	21.51	21.61	21.49	23.0	0.0	
20	QPSK	50	56	21.39	21.52	21.49	23.0	0.0	
20	QPSK	100	0	21.46	21.55	21.44	23.0	0.0	
20	16QAM	1	1	21.33	21.46	21.32	23.0	0.0	
20	64QAM	1	1	20.83	20.70	20.57	22.0	1.0	
20	256QAM	1	1	18.54	18.01	18.48	23.0	3.0	
Channel									
				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.49	21.61	21.51	23.0	0.0	
Channel									
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.40	21.60	21.53	23.0	0.0	
Channel									
				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.43	21.58	21.54	23.0	0.0	

n5 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38	24.0	0.0	
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0	
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	23.0	1.0	
Channel									
				163000	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	21.84	21.92	21.88			
40	PI2 BPSK	1	108	21.73	21.83	21.79	23.0	0.0	
40	PI2 BPSK	1	214	21.56	21.66	21.51			
40	PI2 BPSK	108	0	21.78	21.82	21.77	23.0	0.0	
40	PI2 BPSK	108	54	21.73	21.87	21.74	23.0	0.0	
40	PI2 BPSK	108	108	21.73	21.78	21.66	23.0	0.0	
40	PI2 BPSK	216	0	21.77	21.82	21.74			
40	QPSK	1	1	21.92	21.99	21.87			
40	QPSK	1	108	21.83	21.84	21.84	23.0	0.0	
40	QPSK	1	214	21.70	21.84	21.78			
40	QPSK	108	0	21.77	21.87	21.76	23.0	0.0	
40	QPSK	108	54	21.87	21.95	21.83	23.0	0.0	
40	QPSK	108	108	21.72	21.83	21.77	23.0	0.0	
40	QPSK	216	0	21.82	21.88	21.76			
40	16QAM	1	1	21.52	21.68	21.56	22.0	1.0	
40	64QAM	1	1	20.68	20.86	20.76	22.0	1.0	
40	256QAM	1	1	18.73	18.78	18.86	20.0	3.0	
Channel									
				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	21.83	21.89	21.75	23.0	0.0	
Channel									
				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	21.85	21.95	21.75	23.0	0.0	
Channel									
				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	PI2 BPSK	1	1	21.83	21.91	21.84	23.0	0.0	
Channel									
				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.78	21.93	21.80	23.0	0.0	
Channel									
				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.85	21.85	21.82	23.0	0.0	
Channel									
				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.81	21.90	21.73	23.0	0.0	



n25 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	21.48	21.53	21.44			
40	PI/2 BPSK	1	108	21.32	21.41	21.36	23.0	0.0	
40	PI/2 BPSK	1	214	21.32	21.43	21.34			
40	PI/2 BPSK	108	0	21.42	21.52	21.45	23.0	0.0	
40	PI/2 BPSK	108	54	21.39	21.46	21.43	23.0	0.0	
40	PI/2 BPSK	108	108	21.36	21.45	21.39	23.0	0.0	
40	PI/2 BPSK	216	0	21.33	21.41	21.28			
40	QPSK	1	1	21.62	21.66	21.57			
40	QPSK	1	108	21.43	21.54	21.49	23.0	0.0	
40	QPSK	1	214	21.41	21.48	21.40			
40	QPSK	108	0	21.48	21.55	21.47	23.0	0.0	
40	QPSK	108	54	21.53	21.58	21.48	23.0	0.0	
40	QPSK	108	108	21.38	21.46	21.39	23.0	0.0	
40	QPSK	216	0	21.47	21.51	21.43			
40	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
40	64QAM	1	1	20.43	20.47	20.35	22.0	1.0	
40	256QAM	1	1	18.58	18.07	18.68	23.0	3.0	
Channel									
Frequency (MHz)				1885	1892.5	1900	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.50	21.52	21.45	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.55	21.61	21.47	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.53	21.58	21.44	23.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.56	21.62	21.49	23.0	0.0	
Channel									
Frequency (MHz)				1885	1892.5	1910	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.55	21.57	21.53	23.0	0.0	
Channel									
Frequency (MHz)				370500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.48	21.56	21.52	23.0	0.0	

n30 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2310					
10	PI/2 BPSK	1	1		21.29				
10	PI/2 BPSK	1	26		21.24		23.0	0.0	
10	PI/2 BPSK	1	50		21.15				
10	PI/2 BPSK	25	0		21.18		23.0	0.0	
10	PI/2 BPSK	25	14		21.30		23.0	0.0	
10	PI/2 BPSK	25	27		21.23		23.0	0.0	
10	PI/2 BPSK	50	0		21.26				
10	QPSK	1	1		21.34				
10	QPSK	1	26		21.31		23.0	0.0	
10	QPSK	1	50		21.29				
10	QPSK	25	0		21.26		23.0	0.0	
10	QPSK	25	14		21.28		23.0	0.0	
10	QPSK	25	27		21.15		23.0	0.0	
10	QPSK	50	0		21.16				
10	16QAM	1	1		21.11		23.0	0.0	
10	64QAM	1	1		20.28		22.0	1.0	
10	256QAM	1	1		18.37		23.0	3.0	
Channel									
Frequency (MHz)				461900	462000	462900	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.28	21.29	21.24	23.0	0.0	

n66 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.01	22.11	22.07			
40	PI/2 BPSK	1	108	21.97	22.07	21.94	23.0	0.0	
40	PI/2 BPSK	1	214	21.90	21.96	21.82			
40	PI/2 BPSK	108	0	21.77	21.90	21.86	23.0	0.0	
40	PI/2 BPSK	108	54	21.94	22.05	22.01	23.0	0.0	
40	PI/2 BPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	PI/2 BPSK	216	0	21.84	21.95	21.83			
40	QPSK	1	1	22.06	22.18	22.01			
40	QPSK	1	108	22.05	22.12	22.06	23.0	0.0	
40	QPSK	1	214	22.02	22.07	22.00			
40	QPSK	108	0	21.81	21.93	21.83	23.0	0.0	
40	QPSK	108	54	21.95	21.99	21.86	23.0	0.0	
40	QPSK	108	108	21.87	21.93	21.80	23.0	0.0	
40	QPSK	216	0	21.92	21.96	21.82			
40	16QAM	1	1	21.88	21.91	21.78	23.0	0.0	
40	64QAM	1	1	20.61	20.73	20.66	22.0	1.0	
40	256QAM	1	1	18.34	18.49	18.38	23.0	3.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.96	22.14	21.87	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.99	22.10	21.90	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.00	22.05	21.92	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.96	22.07	21.86	23.0	0.0	
Channel									
Frequency (MHz)				1732.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.01	22.04	21.91	23.0	0.0	



n70 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. J. Freq.	Power Middle Ch. J. Freq.	Power High Ch. J. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1702.5				
15	PI/2 BPSK	1	1	22.08			23.0	0.0
15	PI/2 BPSK	1	40	21.95				
15	PI/2 BPSK	1	77	21.40				
15	PI/2 BPSK	36	0	22.03			22.5	0.5
15	PI/2 BPSK	36	22	22.06			23.0	0.0
15	PI/2 BPSK	36	43	21.38			22.5	0.5
15	PI/2 BPSK	75	0	21.45				
15	QPSK	1	1	22.11			23.0	0.0
15	QPSK	1	40	22.06				
15	QPSK	1	77	22.07				
15	QPSK	36	0	21.06			22.0	1.0
15	QPSK	36	22	22.07			23.0	0.0
15	QPSK	36	43	20.96			22.0	1.0
15	QPSK	75	0	21.14			22.0	1.0
15	16QAM	1	1	21.18				
15	16QAM	1	1	19.76			20.5	2.5
15	256QAM	1	1	17.67			18.5	4.5
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	21.88	22.04	21.97	23.0	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				517002	519000	520998			
Frequency (MHz)				2562.01	2595	2624.99			
30	PI2 BPSK	1	1	21.96	22.02	21.91			
30	PI2 BPSK	1	49	21.83	21.96	21.88	23.0	0.0	
30	PI2 BPSK	1	78	21.76	21.91	21.84			
30	PI2 BPSK	36	0	21.90	21.97	21.90	23.0	0.0	
30	PI2 BPSK	36	21	21.95	22.00	21.90	23.0	0.0	
30	PI2 BPSK	36	42	21.88	21.94	21.87			
30	PI2 BPSK	75	0	21.85	21.98	21.94	23.0	0.0	
30	QPSK	1	1	22.02	22.06	21.93			
30	QPSK	1	49	21.94	21.96	21.91	23.0	0.0	
30	QPSK	1	78	21.85	21.92	21.88			
30	QPSK	36	0	21.80	21.91	21.87	23.0	0.0	
30	QPSK	36	21	21.85	21.99	21.91	23.0	0.0	
30	QPSK	36	42	21.78	21.88	21.82	23.0	0.0	
30	QPSK	75	0	21.75	21.84	21.84			
30	16QAM	1	1	21.87	21.76	21.68	23.0	0.0	
30	64QAM	1	1	20.98	21.08	20.96	21.5	1.5	
30	256QAM	1	1	18.11	18.46	18.33	18.5	3.5	
Channel				515004	519000	524996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2624.48			
25	QPSK	1	1	21.94	21.99	21.85	23.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2560	2595	2610			
20	QPSK	1	1	21.88	22.01	21.87	23.0	0.0	
Channel				515002	519000	524998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	21.02	21.95	21.89	23.0	0.0	
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	21.90	21.96	21.83	23.0	0.0	

n41 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518998	529000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	22.02	22.06	21.97			
100	PI2 BPSK	1	137	21.83	21.93	21.83	23.0	0.0	
100	PI2 BPSK	1	271	21.87	21.97	21.85			
100	PI2 BPSK	135	0	21.40	21.59	21.54	22.5	0.5	
100	PI2 BPSK	135	69	21.83	22.01	21.92	23.0	0.0	
100	PI2 BPSK	135	138	21.41	21.43	21.35	22.5	0.5	
100	PI2 BPSK	270	0	21.52	21.55	21.40			
100	QPSK	1	1	22.04	22.11	21.92			
100	QPSK	1	137	22.00	22.07	21.96	23.0	0.0	
100	QPSK	1	271	21.96	22.01	21.94			
100	QPSK	135	0	21.06	21.29	21.13	22.0	1.0	
100	QPSK	135	69	21.99	22.03	21.87	23.0	0.0	
100	QPSK	135	138	20.94	21.05	20.92	22.0	1.0	
100	QPSK	270	0	20.90	21.01	20.89			
100	16QAM	1	1	20.85	21.09	20.97	22.0	1.0	
100	64QAM	1	1	19.58	19.65	19.62	20.5	2.5	
100	256QAM	1	1	17.58	17.76	17.81	18.5	4.5	
Channel				509200	518998	529000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	22.00	21.99	21.85	23.0	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	1	21.91	22.07	21.89	23.0	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.52	22.04	21.89	23.0	0.0	
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.90	22.06	21.80	23.0	0.0	
Channel				503202	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.96	22.00	21.83	23.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	21.99	21.98	21.83	23.0	0.0	
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.52	21.98	21.77	23.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.99	22.02	21.87	23.0	0.0	



n41 PC2 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	24.86	24.92	24.80		
100	PI2 BPSK	1	137	24.71	24.81	24.69	26.0	0.0
100	PI2 BPSK	1	271	24.77	24.85	24.71		
100	PI2 BPSK	135	0	24.53	24.67	24.55	26.0	0.0
100	PI2 BPSK	135	69	24.76	24.88	24.83	26.0	0.0
100	PI2 BPSK	135	138	24.68	24.76	24.73	26.0	0.0
100	PI2 BPSK	270	0	24.73	24.83	24.71		
100	QPSK	1	1	24.93	24.98	24.85		
100	QPSK	1	137	24.66	24.73	24.66	26.0	0.0
100	QPSK	1	271	24.83	24.89	24.73		
100	QPSK	135	0	24.22	24.34	24.28	25.5	0.5
100	QPSK	135	69	24.77	24.97	24.81	26.0	0.0
100	QPSK	135	138	24.17	24.28	24.20	25.5	0.5
100	QPSK	270	0	24.21	24.33	24.25		
100	16QAM	1	1	24.36	24.41	24.29	25.5	0.5
100	64QAM	1	1	22.86	23.02	22.96	24.0	2.0
100	256QAM	1	1	21.10	21.25	21.16	22.0	4.0
Channel				515200	519598	523998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.86	24.92	24.71	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2644.99		
80	QPSK	1	1	24.83	24.89	24.78	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.81	24.83	24.70	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.80	24.84	24.75	26.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.89	24.93	24.77	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.79	24.85	24.80	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.78	24.81	24.72	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.89	24.94	24.80	26.0	0.0

n48 Part96 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	23.35	23.41	23.27		
40	PI2 BPSK	1	53	23.33	23.37	23.34	24.0	0.0
40	PI2 BPSK	1	104	23.19	23.30	23.22		
40	PI2 BPSK	50	0	22.69	22.83	22.71	23.5	0.5
40	PI2 BPSK	50	26	23.33	23.38	23.28	24.0	0.0
40	PI2 BPSK	50	56	22.76	22.81	22.75	23.5	0.5
40	PI2 BPSK	100	0	22.82	22.87	22.78		
40	QPSK	1	1	23.39	23.47	23.42		
40	QPSK	1	53	23.31	23.42	23.29	24.0	0.0
40	QPSK	1	104	23.26	23.36	23.32		
40	QPSK	50	0	22.33	22.45	22.38	23.0	1.0
40	QPSK	50	28	23.30	23.42	23.29	24.0	0.0
40	QPSK	90	56	22.31	22.41	22.34	23.0	1.0
40	QPSK	100	0	22.35	22.49	22.45		
40	16QAM	1	1	21.75	21.89	21.77	23.0	1.0
40	64QAM	1	1	20.86	20.90	20.76	21.5	2.5
40	256QAM	1	1	19.16	19.21	19.20	19.5	4.5
Channel				637000	641666	646000		
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	23.32	23.38	23.32	24.0	0.0
Channel				637304	641666	646000		
Frequency (MHz)				3660.01	3624.99	3660		
20	QPSK	1	1	23.34	23.43	23.33	24.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	23.29	23.42	23.32	24.0	0.0



Part270 n77 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.43	23.57	23.51		
100	PI2 BPSK	1	137	23.46	23.53	23.48	24.0	0.0
100	PI2 BPSK	1	271	23.38	23.48	23.41		
100	PI2 BPSK	135	0	23.09	23.12	23.04	23.5	0.5
100	PI2 BPSK	135	69	23.38	23.51	23.40	24.0	0.0
100	PI2 BPSK	135	138	23.01	23.07	23.04	23.5	0.5
100	PI2 BPSK	270	0	23.04	23.10	22.98		
100	QPSK	1	1	23.56	23.63	23.53		
100	QPSK	1	137	23.44	23.56	23.46	24.0	0.0
100	QPSK	1	271	23.45	23.52	23.43		
100	QPSK	135	0	22.72	22.77	22.73	23.0	1.0
100	QPSK	135	69	23.48	23.58	23.46	24.0	0.0
100	QPSK	135	138	22.99	22.85	22.81	23.0	1.0
100	QPSK	270	0	22.96	22.72	22.83		
100	16QAM	1	1	22.84	22.77	22.70	23.0	1.0
100	64QAM	1	1	21.08	21.15	21.03	21.5	2.5
100	256QAM	1	1	19.27	19.21	19.38	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.50	23.56	23.48	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.51	23.56	23.46	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.50	23.54	23.45	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.48	23.56	23.44	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.52	23.61	23.44	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.52	23.61	23.48	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.52	23.61	23.48	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.48	23.61	23.45	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.53	23.61	23.50	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.44	23.59	23.44	24.0	0.0

Part270 n77 PC2 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	26.71	26.76	26.67		
100	PI2 BPSK	1	137	26.57	26.69	26.64	27.0	0.0
100	PI2 BPSK	1	271	26.55	26.64	26.51		
100	PI2 BPSK	135	0	26.58	26.70	26.55	27.0	0.0
100	PI2 BPSK	135	69	26.66	26.72	26.67	27.0	0.0
100	PI2 BPSK	135	138	26.55	26.65	26.53	27.0	0.0
100	PI2 BPSK	270	0	26.60	26.69	26.54		
100	QPSK	1	1	26.69	26.81	26.72		
100	QPSK	1	137	26.67	26.75	26.68	27.0	0.0
100	QPSK	1	271	26.62	26.67	26.56		
100	QPSK	135	0	26.17	26.29	26.24	26.5	0.5
100	QPSK	135	69	26.85	26.76	26.68	27.0	0.0
100	QPSK	135	138	26.08	26.12	26.04	26.5	0.5
100	QPSK	270	0	26.10	26.21	26.10		
100	16QAM	1	1	26.09	26.18	26.13	26.5	0.5
100	64QAM	1	1	24.46	24.51	24.39	25.0	2.0
100	256QAM	1	1	22.08	22.97	22.90	23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.66	26.76	26.65	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.60	26.72	26.65	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.62	26.76	26.65	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.59	26.78	26.68	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.82	26.75	26.66	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.91	26.72	26.63	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.63	26.73	26.69	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.60	26.77	26.66	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.66	26.72	26.67	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.65	26.71	26.64	27.0	0.0

Part270Q n77 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		350.01			
100	PI2 BPSK	1	137		350.01		24.0	0.0
100	PI2 BPSK	1	271		350.01			
100	PI2 BPSK	135	0		350.01		23.5	0.5
100	PI2 BPSK	135	69		350.01		24.0	0.0
100	PI2 BPSK	135	138		350.01		23.5	0.5
100	PI2 BPSK	270	0		350.01			
100	QPSK	1	1		350.01		24.0	0.0
100	QPSK	1	137		350.01			
100	QPSK	1	271		350.01			
100	QPSK	135	0		350.01		23.0	1.0
100	QPSK	135	69		350.01		24.0	0.0
100	QPSK	135	138		350.01		23.0	1.0
100	QPSK	270	0		350.01		21.5	2.5
100	16QAM	1	1		350.01		21.5	2.5
100	64QAM	1	1		350.01		19.5	4.5
100	256QAM	1	1		350.01			
Channel								
Frequency (MHz)								
90	QPSK	1	1		350.01		24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		350.01		24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		350.01		24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		350.01		24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		350.01		24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		350.01		24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		350.01		24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		350.01		24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1		350.01		24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1		350.01		24.0	0.0



Part27Q n77 PC2 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	26.55	3500.01			
100	PI2 BPSK	1	137	26.83			27.0	0.0
100	PI2 BPSK	1	271	26.73				
100	PI2 BPSK	135	0	26.77			27.0	0.0
100	PI2 BPSK	135	69	26.86			27.0	0.0
100	PI2 BPSK	135	138	26.81			27.0	0.0
100	PI2 BPSK	270	0	26.80				
100	QPSK	1	1	26.89				
100	QPSK	1	137	26.81			27.0	0.0
100	QPSK	1	271	26.75				
100	QPSK	135	0	26.35			26.5	0.5
100	QPSK	135	69	26.83			27.0	0.0
100	QPSK	135	138	26.24			26.5	0.5
100	QPSK	270	0	26.30				
100	16QAM	1	1	26.32			26.5	0.5
100	64QAM	1	1	24.68			25.0	2.0
100	256QAM	1	1	22.84			23.0	4.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02		
80	QPSK	1	1	26.83	26.70	26.83	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3498	3503.01	3506.02		
80	QPSK	1	1	26.70	26.72	26.82	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434		
70	QPSK	1	1	3485.01	3500.01	3515.01		
70	QPSK	1	1	26.08	26.71	26.60	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468		
60	QPSK	1	1	3480	3500.01	3520.02		
60	QPSK	1	1	26.64	26.72	26.67	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63166	63334	63500		
50	QPSK	1	1	3475.02	3500.01	3525		
50	QPSK	1	1	26.84	26.69	26.67	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534		
40	QPSK	1	1	3478.01	3500.01	3528.01		
40	QPSK	1	1	26.70	26.70	26.83	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63668		
30	QPSK	1	1	3465	3500.01	3535.02		
30	QPSK	1	1	26.83	26.67	26.66	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63500		
20	QPSK	1	1	3460.02	3500.01	3540		
20	QPSK	1	1	26.83	26.68	26.64	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63030	63334	63816		
15	QPSK	1	1	3457.5	3500.01	3542.5		
15	QPSK	1	1	26.66	26.70	26.83	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634		
10	QPSK	1	1	3452.01	3500.01	3542.01		
10	QPSK	1	1	26.83	26.72	26.83	27.0	0.0



Part270 n78 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		22.81			
100	PI2 BPSK	1	137		22.76		24.0	0.0
100	PI2 BPSK	1	271		22.71			
100	PI2 BPSK	135	0		22.26		23.5	0.5
100	PI2 BPSK	135	69		22.76		24.0	0.0
100	PI2 BPSK	135	138		22.15		23.5	0.5
100	PI2 BPSK	270	0		22.23			
100	QPSK	1	1		22.87			
100	QPSK	1	137		22.82		24.0	0.0
100	QPSK	1	271		22.75			
100	QPSK	135	0		21.85		23.0	1.0
100	QPSK	135	69		22.80		24.0	0.0
100	QPSK	135	138		21.68		23.0	1.0
100	QPSK	270	0		21.74			
100	16QAM	1	1		22.04		21.5	2.5
100	64QAM	1	1		19.93		18.3	4.5
100	256QAM	1	1		18.32		15.8	4.5
Channel								
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	24.0	0.0
Channel								
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.68	22.74	22.82	24.0	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.68	22.71	22.65	24.0	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.68	22.70	22.65	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.70	22.74	22.62	24.0	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.68	22.68	22.58	24.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	24.0	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.64	22.73	22.66	24.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.70	22.72	22.61	24.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.68	22.71	22.62	24.0	0.0

Part270 n78 PC2 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		25.85			
100	PI2 BPSK	1	137		25.79		27.0	0.0
100	PI2 BPSK	1	271		25.70			
100	PI2 BPSK	135	0		25.73		27.0	0.0
100	PI2 BPSK	135	69		25.78		27.0	0.0
100	PI2 BPSK	135	138		25.65		27.0	0.0
100	PI2 BPSK	270	0		25.77			
100	QPSK	1	1		25.91			
100	QPSK	1	137		25.86		27.0	0.0
100	QPSK	1	271		25.82			
100	QPSK	135	0		25.23		26.5	0.5
100	QPSK	135	69		25.79		27.0	0.0
100	QPSK	135	138		25.13		26.5	0.5
100	QPSK	270	0		25.21			
100	16QAM	1	1		25.07		25.0	2.0
100	64QAM	1	1		23.27		23.0	4.0
100	256QAM	1	1		22.06		22.0	4.0
Channel								
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	27.0	0.0
Channel								
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	25.69	25.73	25.59	27.0	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.68	25.70	25.62	27.0	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	25.65	25.72	25.62	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.65	25.73	25.62	27.0	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.65	25.71	25.57	27.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	27.0	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.69	25.72	25.64	27.0	0.0
Channel								
Frequency (MHz)				3707.52	3750	3762.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.63	25.68	25.58	27.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.64	25.72	25.61	27.0	0.0

Part27Q n78 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		23.24			
100	PI2 BPSK	1	137		23.19		24.0	0.0
100	PI2 BPSK	1	271		23.14			
100	PI2 BPSK	135	0		22.77		23.5	0.5
100	PI2 BPSK	135	69		23.18		24.0	0.0
100	PI2 BPSK	135	138		22.81		23.5	0.5
100	PI2 BPSK	270	0		23.84			
100	QPSK	1	1		23.29			
100	QPSK	1	137		23.22		24.0	0.0
100	QPSK	1	271		23.16			
100	QPSK	135	0		22.28		23.0	1.0
100	QPSK	135	69		23.22		24.0	0.0
100	QPSK	135	138		22.31		23.0	1.0
100	QPSK	270	0		22.34			
100	16QAM	1	1		22.05		21.5	2.5
100	64QAM	1	1		20.52		19.8	4.5
100	256QAM	1	1		19.02		18.3	4.5
Channel								
Frequency (MHz)				63300	63354	63398	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				63068	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.12	23.14	22.97	24.0	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.11	23.16	22.96	24.0	0.0
Channel								
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.12	23.19	23.00	24.0	0.0
Channel								
Frequency (MHz)				3490	3500.01	3510.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.10	23.18	22.98	24.0	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.16	23.14	23.00	24.0	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3485.01	3500.01	3515.01	24.0	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.10	23.13	22.98	24.0	0.0
Channel								
Frequency (MHz)				63000	63334	63634	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.13	23.20	23.01	24.0	0.0
Channel								
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.16	23.20	23.01	24.0	0.0



Part27Q n78 PC2 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. #DW/0	Middle Ch. / Freq. #DW/0	High Ch. / Freq. #DW/0		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	28.21				
100	PI2 BPSK	1	137	28.15			27.0	0.0
100	PI2 BPSK	1	271	28.10				
100	PI2 BPSK	135	0	28.16			27.0	0.0
100	PI2 BPSK	135	69	28.18			27.0	0.0
100	PI2 BPSK	135	138	28.11			27.0	0.0
100	PI2 BPSK	270	0	28.13				
100	QPSK	1	1	28.24				
100	QPSK	1	137	28.17			27.0	0.0
100	QPSK	1	271	28.12				
100	QPSK	135	0	28.22			26.5	0.5
100	QPSK	135	69	28.20			27.0	0.0
100	QPSK	135	138	28.75			26.5	0.5
100	QPSK	270	0	28.78				
100	16QAM	1	1	28.24			26.5	0.5
100	64QAM	1	1	28.02			25.0	2.0
100	256QAM	1	1	28.58			23.0	4.0
Channel				#DW/0	#DW/0	#DW/0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
90	QPSK	1	1	28.00	28.13	28.05	27.0	0.0
Channel				#DW/0	#DW/0	#DW/0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
80	QPSK	1	1	28.03	28.13	28.08	27.0	0.0
Channel				#DW/0	#DW/0	#DW/0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
70	QPSK	1	1	28.14	28.14	28.09	27.0	0.0
Channel				#DW/0	#DW/0	#DW/0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
60	QPSK	1	1	28.02	28.11	28.04	27.0	0.0
Channel				#DW/0	#DW/0	#DW/0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
50	QPSK	1	1	28.05	28.09	28.02	27.0	0.0
Channel				#DW/0	#DW/0	#DW/0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
40	QPSK	1	1	28.04	28.10	28.06	27.0	0.0
Channel				#DW/0	#DW/0	#DW/0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
30	QPSK	1	1	28.09	28.12	28.05	27.0	0.0
Channel				#DW/0	#DW/0	#DW/0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	1	28.00	28.09	28.04	27.0	0.0
Channel				#DW/0	#DW/0	#DW/0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	28.00	28.10	28.03	27.0	0.0
Channel				#DW/0	#DW/0	#DW/0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	28.04	28.13	28.04	27.0	0.0



n2 Ant 3									
BW [MHz]	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)				1860	1880	1900			
20	PI2 BPSK	1	1	23.04	23.07	22.97			
20	PI2 BPSK	1	53	22.98	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	22.87	22.98	22.89			
20	PI2 BPSK	50	0	22.91	22.99	22.93	24.0	0.0	
20	PI2 BPSK	50	28	22.84	22.97	22.91	24.0	0.0	
20	PI2 BPSK	50	56	22.92	22.96	22.87	24.0	0.0	
20	PI2 BPSK	100	0	22.93	22.99	22.94			
20	QPSK	1	1	23.06	23.12	22.99			
20	QPSK	1	53	23.00	23.08	22.98	24.0	0.0	
20	QPSK	1	104	22.99	23.03	22.96			
20	QPSK	50	0	22.84	23.01	22.94	24.0	0.0	
20	QPSK	50	28	23.03	23.08	22.95	24.0	0.0	
20	QPSK	50	56	22.84	22.94	22.85	24.0	0.0	
20	QPSK	100	0	22.92	23.00	22.90			
20	16QAM	1	1	22.85	22.95	22.92	24.0	0.0	
20	64QAM	1	1	21.80	22.01	21.94	23.0	1.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	3.0	
Channel									
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	22.98	23.08	22.88	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	22.98	23.01	22.84	24.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	23.02	23.04	22.98	24.0	0.0	

n7 Ant 3									
BW [MHz]	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)				2520	2535	2550			
40	PI2 BPSK	1	1	23.46	23.49	23.40			
40	PI2 BPSK	1	108	23.33	23.40	23.37	24.0	0.0	
40	PI2 BPSK	1	214	23.24	23.36	23.32			
40	PI2 BPSK	108	0	23.21	23.31	23.24	24.0	0.0	
40	PI2 BPSK	108	54	23.35	23.47	23.32	24.0	0.0	
40	PI2 BPSK	108	108	23.29	23.33	23.27	24.0	0.0	
40	PI2 BPSK	216	0	23.33	23.37	23.34			
40	QPSK	1	1	23.53	23.61	23.40			
40	QPSK	1	108	23.46	23.53	23.41	24.0	0.0	
40	QPSK	1	214	23.43	23.51	23.41			
40	QPSK	108	0	23.27	23.39	23.29	24.0	0.0	
40	QPSK	108	54	23.48	23.54	23.41	24.0	0.0	
40	QPSK	108	108	23.35	23.43	23.39	24.0	0.0	
40	QPSK	216	0	23.43	23.48	23.38			
40	16QAM	1	1	23.19	23.29	23.23	24.0	0.0	
40	64QAM	1	1	22.36	22.47	22.41	23.0	1.0	
40	256QAM	1	1	20.02	20.08	20.06	21.0	3.0	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.47	23.55	23.32	24.0	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	23.45	23.57	23.29	24.0	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	23.41	23.47	23.33	24.0	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	23.39	23.49	23.28	24.0	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	23.44	23.50	23.31	24.0	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	23.40	23.51	23.26	24.0	0.0	

n25 Ant 3									
BW [MHz]	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)				1870	182.5	1895			
40	PI2 BPSK	1	1	23.01	23.06	22.93			
40	PI2 BPSK	1	108	22.84	22.96	22.89	24.0	0.0	
40	PI2 BPSK	1	214	22.93	22.99	22.85			
40	PI2 BPSK	108	0	22.96	23.03	22.87	24.0	0.0	
40	PI2 BPSK	108	54	22.89	22.98	22.84	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.97	22.84	24.0	0.0	
40	PI2 BPSK	216	0	22.85	22.99	22.90			
40	QPSK	1	1	23.07	23.17	22.98			
40	QPSK	1	108	23.03	23.08	22.99	24.0	0.0	
40	QPSK	1	214	23.00	23.02	22.92			
40	QPSK	108	0	22.97	23.05	22.92	24.0	0.0	
40	QPSK	108	54	23.01	23.09	22.96	24.0	0.0	
40	QPSK	108	108	22.90	22.99	22.84	24.0	0.0	
40	QPSK	216	0	22.96	23.03	22.92			
40	16QAM	1	1	23.01	23.08	23.02	24.0	0.0	
40	64QAM	1	1	21.89	21.96	21.91	23.0	1.0	
40	256QAM	1	1	20.22	20.28	20.48	21.0	3.0	
Channel									
Frequency (MHz)				1865	182.5	1900			
30	QPSK	1	1	22.92	23.11	22.86	24.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	22.99	23.05	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	23.03	23.04	22.87	24.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	23.02	23.10	22.86	24.0	0.0	
Channel									
Frequency (MHz)				1862.5	182.5	1902.5			
10	QPSK	1	1	22.99	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	23.02	23.06	22.93	24.0	0.0	



n30 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)									
10	PI2 BPSK	1	1	23.11			24.0	0.0	
10	PI2 BPSK	1	26	23.05					
10	PI2 BPSK	1	50	23.08					
10	PI2 BPSK	25	0	22.95			24.0	0.0	
10	PI2 BPSK	25	14	23.01			24.0	0.0	
10	PI2 BPSK	25	27	22.97			24.0	0.0	
10	PI2 BPSK	50	0	22.98					
10	QPSK	1	1	23.17			24.0	0.0	
10	QPSK	1	26	23.08					
10	QPSK	1	50	23.04					
10	QPSK	25	0	23.02			24.0	0.0	
10	QPSK	25	14	23.09			24.0	0.0	
10	QPSK	25	27	22.91			24.0	0.0	
10	QPSK	50	0	22.95					
10	16QAM	1	1	22.93			24.0	0.0	
10	64QAM	1	1	21.81			23.0	1.0	
10	256QAM	1	1	19.89			21.0	3.0	
Channel				481500	482500				
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	23.07	23.13	23.03	24.0	0.0	

n66 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)									
40	PI2 BPSK	1	1	23.50	23.53	23.40	24.0	0.0	
40	PI2 BPSK	1	108	23.24	23.31	23.23			
40	PI2 BPSK	1	214	23.18	23.29	23.14			
40	PI2 BPSK	108	0	23.18	23.23	23.10	24.0	0.0	
40	PI2 BPSK	108	54	23.25	23.34	23.22	24.0	0.0	
40	PI2 BPSK	108	108	23.20	23.27	23.24			
40	PI2 BPSK	216	0	23.18	23.29	23.19	24.0	0.0	
40	QPSK	1	1	23.49	23.58	23.47			
40	QPSK	1	108	23.35	23.49	23.38	24.0	0.0	
40	QPSK	1	214	23.34	23.44	23.39			
40	QPSK	108	0	23.12	23.24	23.21	24.0	0.0	
40	QPSK	108	54	23.33	23.46	23.39	24.0	0.0	
40	QPSK	108	108	23.23	23.32	23.21	24.0	0.0	
40	QPSK	216	0	23.32	23.41	23.30			
40	16QAM	1	1	23.23	23.31	23.19	24.0	0.0	
40	64QAM	1	1	21.96	22.09	21.98	23.0	1.0	
40	256QAM	1	1	20.82	20.82	20.43	21.0	3.0	
Channel				345000	346000	345000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.42	23.47	23.43	24.0	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1725	1745	1770			
20	QPSK	1	1	23.40	23.52	23.37	24.0	0.0	
Channel				343500	348500	353500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.45	23.43	23.43	24.0	0.0	
Channel				343000	348000	353000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.45	23.43	23.42	24.0	0.0	
Channel				342500	347500	352500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.35	23.55	23.37	24.0	0.0	

n70 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)									
15	PI2 BPSK	1	1		23.53		24.0	0.0	
15	PI2 BPSK	1	40		23.47				
15	PI2 BPSK	1	77		23.49				
15	PI2 BPSK	36	0		23.41		24.0	0.0	
15	PI2 BPSK	36	22		23.48		24.0	0.0	
15	PI2 BPSK	36	43		23.34		24.0	0.0	
15	PI2 BPSK	75	0		23.39				
15	QPSK	1	1		23.55		24.0	0.0	
15	QPSK	1	43		23.46				
15	QPSK	1	77		23.42				
15	QPSK	36	0		23.36		24.0	0.0	
15	QPSK	36	22		23.50		24.0	0.0	
15	QPSK	36	43		23.39		24.0	0.0	
15	QPSK	75	0		23.43				
15	16QAM	1	1		21.98		23.0	1.0	
15	64QAM	1	1		20.71		21.5	2.5	
15	256QAM	1	1		19.10		19.5	4.5	
Channel				340000	345000	341000			
Frequency (MHz)				1760	1762.5	1765			
10	QPSK	1	1	23.40	23.48	23.41	24.0	0.0	
Channel				339500	340500	341500			
Frequency (MHz)				1829.5	1822.5	1825.5			
5	QPSK	1	1	23.48	23.51	23.42	24.0	0.0	



n38 Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				517002	519000	520998		
Frequency (MHz)				2335.01	2355	2364.99		
30	PI2 BPSK	1	1	23.60	23.68	23.64		
30	PI2 BPSK	1	1	23.41	23.55	23.42	24.0	0.0
30	PI2 BPSK	1	76	23.56	23.59	23.55		
30	PI2 BPSK	36	0	23.49	23.57	23.43	24.0	0.0
30	PI2 BPSK	36	21	23.48	23.61	23.47	24.0	0.0
30	PI2 BPSK	36	42	23.40	23.54	23.45		
30	PI2 BPSK	75	0	23.58	23.67	23.56	24.0	0.0
30	QPSK	1	1	23.69	23.63	23.77		
30	QPSK	1	40	23.56	23.67	23.56	24.0	0.0
30	QPSK	1	76	23.56	23.62	23.56		
30	QPSK	36	0	23.61	23.66	23.53	24.0	0.0
30	QPSK	36	21	23.60	23.77	23.63	24.0	0.0
30	QPSK	36	42	23.50	23.59	23.55	24.0	0.0
30	QPSK	75	0	23.53	23.62	23.55		
30	16QAM	1	1	23.54	23.67	23.62	24.0	0.0
30	64QAM	1	1	22.13	22.21	22.06	22.5	1.5
30	256QAM	1	1	20.26	20.45	20.32	20.5	3.5
Channel				515004	519000	521006		
Frequency (MHz)				2362.52	2355	2367.48		
25	QPSK	1	1	23.60	23.74	23.72	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2358	2355	2363		
20	QPSK	1	1	23.59	23.77	23.71	24.0	0.0
Channel				515502	519000	524998		
Frequency (MHz)				2377.51	2395	2312.49		
15	QPSK	1	1	23.62	23.70	23.63	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2375.02	2355	2314.98		
10	QPSK	1	1	23.63	23.68	23.72	24.0	0.0

n41 Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				506002	518598	528000		
Frequency (MHz)				2346.01	2322.99	2340		
100	PI2 BPSK	1	1	23.10	23.24	23.11		
100	PI2 BPSK	1	137	23.17	23.21	23.07	24.0	0.0
100	PI2 BPSK	1	271	23.15	23.19	23.12		
100	PI2 BPSK	135	0	22.70	22.78	22.62	23.5	0.5
100	PI2 BPSK	135	69	22.80	22.81	22.74	24.0	0.0
100	PI2 BPSK	135	138	22.72	22.75	22.67		
100	PI2 BPSK	270	0	22.69	22.70	22.68	23.5	0.5
100	QPSK	1	1	23.23	23.29	23.17		
100	QPSK	1	137	23.16	23.23	23.15	24.0	0.0
100	QPSK	1	271	23.10	23.17	23.13		
100	QPSK	135	0	22.21	22.25	22.11	23.0	1.0
100	QPSK	135	69	23.16	23.24	23.12	24.0	0.0
100	QPSK	135	138	22.13	22.27	22.16	23.0	1.0
100	QPSK	270	0	22.28	22.29	22.18		
100	16QAM	1	1	22.05	22.25	22.10	23.0	1.0
100	64QAM	1	1	20.67	20.81	20.65	21.5	2.5
100	256QAM	1	1	18.71	18.76	18.56	19.5	4.5
Channel				515000	518598	529006		
Frequency (MHz)				2354	2352.99	2344.98		
90	QPSK	1	1	23.14	23.15	23.05	24.0	0.0
Channel				507294	518598	529998		
Frequency (MHz)				2338.92	2322.99	2348.99		
80	QPSK	1	1	23.15	23.22	23.12	24.0	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2331.01	2322.99	2305		
70	QPSK	1	1	23.20	23.15	23.09	24.0	0.0
Channel				505000	518598	531996		
Frequency (MHz)				2326	2322.99	2309.98		
60	QPSK	1	1	23.15	23.26	23.07	24.0	0.0
Channel				505294	518598	532996		
Frequency (MHz)				2321.92	2322.99	2304.99		
50	QPSK	1	1	23.10	23.23	23.07	24.0	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2316.01	2322.99	2300		
40	QPSK	1	1	23.15	23.19	23.13	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2311	2322.99	2304.98		
30	QPSK	1	1	23.05	23.21	23.03	24.0	0.0
Channel				501294	518598	535996		
Frequency (MHz)				2306.92	2322.99	2309.99		
20	QPSK	1	1	23.10	23.25	23.13	24.0	0.0



n41 PC2 Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				506002	518598	526000	
Frequency (MHz)				2548.01	2592.99	2540	
100	PI2 BPSK	1	1	28.23	28.27	28.19	
100	PI2 BPSK	1	137	25.97	28.11	28.06	27.0
100	PI2 BPSK	1	271	25.82	25.98	25.93	
100	PI2 BPSK	135	0	28.06	28.13	25.98	27.0
100	PI2 BPSK	135	69	28.14	28.25	28.21	27.0
100	PI2 BPSK	135	138	25.82	25.93	25.79	27.0
100	PI2 BPSK	270	0	28.09	28.18	28.12	
100	QPSK	1	1	28.25	28.33	28.29	
100	QPSK	1	137	28.22	28.28	28.21	27.0
100	QPSK	1	271	25.07	28.14	28.06	
100	QPSK	135	0	25.80	25.88	25.78	26.5
100	QPSK	135	69	28.16	28.23	28.10	27.0
100	QPSK	135	138	25.83	25.80	25.74	26.5
100	QPSK	270	0	25.71	25.82	25.80	
100	16QAM	1	1	25.70	25.82	25.76	26.5
100	64QAM	1	1	24.35	24.41	24.28	25.0
100	256QAM	1	1	22.31	22.95	22.32	23.0
Channel				510000	518598	526000	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	28.22	28.19	28.25	27.0
Channel				507204	518598	526998	
Frequency (MHz)				2638.02	2692.99	2643.99	
80	QPSK	1	1	28.12	28.27	28.21	27.0
Channel				506002	518598	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	28.18	28.20	28.24	27.0
Channel				505000	518598	531998	
Frequency (MHz)				2428	2592.99	2659.98	
60	QPSK	1	1	28.17	28.28	28.14	27.0
Channel				504204	518598	532000	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	28.11	28.21	28.16	27.0
Channel				503002	518598	534000	
Frequency (MHz)				2418.01	2592.99	2669	
40	QPSK	1	1	28.18	28.24	28.17	27.0
Channel				502000	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	28.17	28.20	28.18	27.0
Channel				501204	518598	535998	
Frequency (MHz)				2606.02	2592.99	2679.99	
20	QPSK	1	1	28.19	28.26	28.18	27.0

n48 Part96 Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI2 BPSK	1	1	23.62	23.65	23.54	
40	PI2 BPSK	1	53	23.54	23.64	23.53	24.0
40	PI2 BPSK	1	104	23.43	23.64	23.61	
40	PI2 BPSK	50	0	22.99	23.11	23.10	23.5
40	PI2 BPSK	50	26	23.50	23.62	23.64	24.0
40	PI2 BPSK	50	56	23.10	23.18	23.08	23.5
40	PI2 BPSK	100	0	23.03	23.12	23.14	
40	QPSK	1	1	23.56	23.76	23.62	
40	QPSK	1	53	23.56	23.67	23.58	24.0
40	QPSK	1	104	23.51	23.57	23.49	
40	QPSK	50	0	22.44	22.64	22.57	23.0
40	QPSK	50	28	23.59	23.60	23.58	24.0
40	QPSK	50	56	22.66	22.51	22.45	23.0
40	QPSK	100	0	22.49	22.65	22.52	23.0
40	16QAM	1	1	22.47	22.58	22.35	23.0
40	64QAM	1	1	21.10	21.14	21.18	21.5
40	256QAM	1	1	19.84	19.80	19.21	19.5
Channel				637000	641666	646000	
Frequency (MHz)				3665.02	3624.99	3684.99	
30	QPSK	1	1	23.42	23.71	23.57	24.0
Channel				637204	641666	646000	
Frequency (MHz)				3662.01	3624.99	3660	
20	QPSK	1	1	23.44	23.69	23.55	24.0
Channel				637000	641666	646332	
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	23.44	23.72	23.57	24.0



Part270 n77 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	23.05	23.11	22.98		
100	Pl2 BPSK	1	137	22.93	23.05	22.94	24.0	0.0
100	Pl2 BPSK	1	271	22.87	22.97	22.83		
100	Pl2 BPSK	135	0	22.48	22.66	22.44	23.5	0.5
100	Pl2 BPSK	135	69	23.00	23.08	23.05	24.0	0.0
100	Pl2 BPSK	135	138	22.32	22.48	22.45	23.5	0.5
100	Pl2 BPSK	270	0	22.60	22.62	22.54		
100	QPSK	1	1	23.08	23.17	23.07		
100	QPSK	1	137	22.94	23.12	23.01	24.0	0.0
100	QPSK	1	271	22.97	22.98	22.88		
100	QPSK	135	0	21.81	22.11	21.92	23.0	1.0
100	QPSK	135	69	22.98	23.05	22.94	24.0	0.0
100	QPSK	135	138	21.84	21.88	21.78	23.0	1.0
100	QPSK	270	0	21.92	22.03	21.89		
100	16QAM	1	1	21.70	21.84	21.75	23.0	1.0
100	64QAM	1	1	20.31	20.45	20.34	21.5	2.5
100	256QAM	1	1	18.98	18.01	18.48	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.99	23.07	23.02	24.0	0.0
Channel								
Frequency (MHz)				3749.34	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.01	23.06	23.00	24.0	0.0
Channel								
Frequency (MHz)				3750.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.94	23.07	23.01	24.0	0.0
Channel								
Frequency (MHz)				3750.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.97	23.10	22.97	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3935.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.02	23.04	22.99	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3935.02	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.95	23.13	22.98	24.0	0.0
Channel								
Frequency (MHz)				3716.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.98	23.08	23.01	24.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3935.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.97	23.14	22.99	24.0	0.0
Channel								
Frequency (MHz)				3707.52	3840	3932.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.00	23.12	23.00	24.0	0.0
Channel								
Frequency (MHz)				3705	3840	3930	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.03	23.08	23.04	24.0	0.0

Part270 n77 PC2 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.89	25.93	25.83		
100	Pl2 BPSK	1	137	25.72	25.79	25.66	27.0	0.0
100	Pl2 BPSK	1	271	25.88	25.80	25.76		
100	Pl2 BPSK	135	0	25.70	25.76	25.65	27.0	0.0
100	Pl2 BPSK	135	69	25.73	25.84	25.78	27.0	0.0
100	Pl2 BPSK	135	138	25.63	25.70	25.66	27.0	0.0
100	Pl2 BPSK	270	0	25.68	25.74	25.64		
100	QPSK	1	1	25.90	25.98	25.86		
100	QPSK	1	137	25.86	25.81	25.77	27.0	0.0
100	QPSK	1	271	25.70	25.77	25.66		
100	QPSK	135	0	25.32	25.44	25.42	26.5	0.5
100	QPSK	135	69	25.80	25.87	25.77	27.0	0.0
100	QPSK	135	138	25.19	25.30	25.26	26.5	0.5
100	QPSK	270	0	25.27	25.33	25.17		
100	16QAM	1	1	25.11	25.25	25.21	26.5	0.5
100	64QAM	1	1	23.88	23.81	23.74	25.0	2.0
100	256QAM	1	1	21.76	21.94	21.82	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	25.84	25.90	25.78	27.0	0.0
Channel								
Frequency (MHz)				3749.34	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	25.84	25.87	25.80	27.0	0.0
Channel								
Frequency (MHz)				3750.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.87	25.89	25.74	27.0	0.0
Channel								
Frequency (MHz)				3750.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	25.80	25.84	25.80	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3935.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.81	25.94	25.79	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3935.02	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.81	25.83	25.76	27.0	0.0
Channel								
Frequency (MHz)				3716.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	25.80	25.88	25.77	27.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3935.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.85	25.89	25.78	27.0	0.0
Channel								
Frequency (MHz)				3707.52	3840	3932.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.76	25.92	25.80	27.0	0.0
Channel								
Frequency (MHz)				3705	3840	3930	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.78	25.84	25.78	27.0	0.0

Part270 n77 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	Pl2 BPSK	1	1			23.24		
100	Pl2 BPSK	1	137			23.20	24.0	0.0
100	Pl2 BPSK	1	271			23.14		
100	Pl2 BPSK	135	0			22.75	23.5	0.5
100	Pl2 BPSK	135	69			23.24	24.0	0.0
100	Pl2 BPSK	135	138			22.85	23.5	0.5
100	Pl2 BPSK	270	0			22.78		
100	QPSK	1	1			23.29		
100	QPSK	1	137			23.21	24.0	0.0
100	QPSK	1	271			23.18		
100	QPSK	135	0			22.24	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.21	23.0	1.0
100	QPSK	270	0			22.32		
100	16QAM	1	1			22.18	21.5	2.5
100	64QAM	1	1			20.71	19.5	4.5
100	256QAM	1	1			18.86	18.5	4.5
Channel								
Frequency (MHz)				633000	633354	633698	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632688	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.15	23.18	23.17	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.20	23.22	23.19	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.26	23.17	23.24	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.23	23.20	23.15	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.26	23.20	23.22	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3465	3500.01	3535.02	24.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.15	23.25	23.23	24.0	0.0
Channel								
Frequency (MHz)				630300	633334	636334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.24	23.17	23.24	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.25	23.22	23.22	24.0	0.0



Part27Q n77 PC2 Ant 3

BW [MHz]	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	26.33	3500.01			
100	PI2 BPSK	1	137	26.28			27.0	0.0
100	PI2 BPSK	1	271	26.23				
100	PI2 BPSK	135	0	26.21			27.0	0.0
100	PI2 BPSK	135	69	26.30			27.0	0.0
100	PI2 BPSK	135	138	26.14			27.0	0.0
100	PI2 BPSK	270	0	26.26				
100	QPSK	1	1	26.46				
100	QPSK	1	137	26.33			27.0	0.0
100	QPSK	1	271	26.28				
100	QPSK	135	0	26.00			26.5	0.5
100	QPSK	135	69	26.31			27.0	0.0
100	QPSK	135	138	26.10			26.5	0.5
100	QPSK	270	0	26.25				
100	16QAM	1	1	25.80			26.5	0.5
100	64QAM	1	1	24.26			25.0	2.0
100	256QAM	1	1	22.41			23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.34	26.40	26.32	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.33	26.32	26.40	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.36	26.33	26.33	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.41	26.39	26.32	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.34	26.43	26.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.37	26.38	26.36	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.41	26.42	26.37	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.39	26.36	26.37	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.34	26.39	26.36	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.36	26.41	26.36	27.0	0.0



Part27O n78 Ant 3

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch., Power Middle Ch., Power High Ch., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi2 BPSK, QPSK, and 16QAM across different RB sizes and offsets.

Part27O n78 PC2 Ant 3

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch., Power Middle Ch., Power High Ch., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi2 BPSK, QPSK, and 16QAM across different RB sizes and offsets.

Part27Q n78 Ant 3

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch., Power Middle Ch., Power High Ch., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi2 BPSK, QPSK, and 16QAM across different RB sizes and offsets.



Part27Q n78 PC2 Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				#DIV/0!	#DIV/0!	#DIV/0!		
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
100	PI2 BPSK	1	1	28.44			27.0	0.0
100	PI2 BPSK	1	137	28.43				
100	PI2 BPSK	1	271	28.37				
100	PI2 BPSK	135	0	28.32			27.0	0.0
100	PI2 BPSK	135	69	28.40			27.0	0.0
100	PI2 BPSK	135	138	28.14			27.0	0.0
100	PI2 BPSK	270	0	28.27				
100	QPSK	1	1	28.53			27.0	0.0
100	QPSK	1	137	28.48				
100	QPSK	1	271	28.35				
100	QPSK	135	0	28.16			26.5	0.5
100	QPSK	135	69	28.48			27.0	0.0
100	QPSK	135	138	28.27			26.5	0.5
100	QPSK	270	0	28.22				
100	16QAM	1	1	28.12			26.5	0.5
100	64QAM	1	1	28.43			25.0	2.0
100	256QAM	1	1	22.60			23.0	4.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
90	QPSK	1	1	28.44	28.45	28.40	27.0	0.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
80	QPSK	1	1	28.45	28.50	28.45	27.0	0.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
70	QPSK	1	1	28.38	28.39	28.42	27.0	0.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
60	QPSK	1	1	28.45	28.48	28.48	27.0	0.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
50	QPSK	1	1	28.45	28.45	28.48	27.0	0.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
40	QPSK	1	1	28.45	28.48	28.45	27.0	0.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
30	QPSK	1	1	28.40	28.43	28.39	27.0	0.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
20	QPSK	1	1	28.38	28.49	28.45	27.0	0.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
15	QPSK	1	1	28.47	28.48	28.40	27.0	0.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!		
10	QPSK	1	1	28.30	28.44	28.40	27.0	0.0



Reduced Power Mode for DS12-Standalone

n2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				372000	376000	380000			
Frequency (MHz)									
				1850	1850	1850			
20	PI2 BPSK	1	1	22.53	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.86			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.97	22.95	22.97			
20	QPSK	50	0	22.92	22.93	22.94	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.97			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	64QAM	1	1	21.70	21.89	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
				371500	376000	380500			
Frequency (MHz)									
				1847.5	1860	1842.5			
15	QPSK	1	1	22.83	23.11	23.00	24.0	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
				1855	1850	1855			
10	QPSK	1	1	22.84	23.09	22.93	24.0	0.0	
Channel									
				370500	376000	381500			
Frequency (MHz)									
				1842.5	1860	1847.5			
5	QPSK	1	1	22.84	23.04	22.92	24.0	0.0	

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
				834	836.5	834			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.97	23.04	22.94	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.89			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.93	22.96	22.92	24.0	0.0	
20	PI2 BPSK	100	0	22.94	23.00	22.89			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.98	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.18	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	64QAM	1	1	22.57	22.71	22.68	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	1.0	
Channel									
				165300	167300	169300			
Frequency (MHz)									
				831.5	836.5	841.5			
15	QPSK	1	1	23.03	23.16	23.11	24.0	0.0	
Channel									
				165800	167300	168800			
Frequency (MHz)									
				840	836.5	844			
10	QPSK	1	1	23.08	23.19	23.06	24.0	0.0	
Channel									
				165300	167300	169300			
Frequency (MHz)									
				846.5	836.5	846.5			
5	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	

n7 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
				2530	2530	2530			
40	PI2 BPSK	1	1	21.84	21.90	21.78			
40	PI2 BPSK	1	108	21.76	21.87	21.83	23.0	0.0	
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.92	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.88	21.78	23.0	0.0	
40	QPSK	108	54	21.78	21.85	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77			
40	16QAM	1	1	21.80	21.84	21.74	23.0	0.0	
40	64QAM	1	1	21.05	21.14	21.09	22.0	1.0	
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
				505000	507000	511000			
Frequency (MHz)									
				2515	2535	2555			
30	QPSK	1	1	21.90	21.93	21.71	23.0	0.0	
Channel									
				505500	507000	511500			
Frequency (MHz)									
				2522.5	2535	2527.5			
25	QPSK	1	1	21.85	21.91	21.69	23.0	0.0	
Channel									
				505000	507000	512000			
Frequency (MHz)									
				2516	2535	2550			
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel									
				504500	507000	512500			
Frequency (MHz)									
				2507.5	2535	2522.5			
15	QPSK	1	1	21.81	21.84	21.74	23.0	0.0	
Channel									
				504000	507000	513000			
Frequency (MHz)									
				2506	2535	2565			
10	QPSK	1	1	21.91	21.95	21.68	23.0	0.0	
Channel									
				503500	507000	513500			
Frequency (MHz)									
				2502.5	2535	2507.5			
5	QPSK	1	1	21.87	21.88	21.80	23.0	0.0	



n12 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				704.5	707.5	710.5		
15	PI2 BPSK	1	1	23.05	23.11	22.97		
15	PI2 BPSK	1	40	22.84	22.92	22.80	24.0	0.0
15	PI2 BPSK	1	77	22.75	22.88	22.74		
15	PI2 BPSK	36	0	22.96	23.01	22.86	24.0	0.0
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0	0.0
15	PI2 BPSK	36	43	22.90	22.98	22.88	24.0	0.0
15	PI2 BPSK	75	0	22.90	23.02	22.96		
15	QPSK	1	1	23.13	23.19	23.12		
15	QPSK	1	40	23.07	23.12	23.08	24.0	0.0
15	QPSK	1	77	22.87	22.95	22.90		
15	QPSK	36	0	22.92	23.01	22.89	24.0	0.0
15	QPSK	36	22	22.97	23.06	22.97	24.0	0.0
15	QPSK	36	43	22.94	22.99	22.89	24.0	0.0
15	QPSK	75	0	22.85	23.01	22.90		
15	16QAM	1	1	23.07	23.11	23.07	24.0	0.0
15	64QAM	1	1	22.01	22.11	22.03	23.0	1.0
15	256QAM	1	1	23.14	23.23	23.17	21.0	3.0
Channel				140300	141000	142000		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.03	23.14	23.06	24.0	0.0
Channel				140300	141000	142000		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.99	23.08	23.04	24.0	0.0

n13 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				156400				
Frequency (MHz)				752				
10	PI2 BPSK	1	1	23.15				
10	PI2 BPSK	1	26	23.13			24.0	0.0
10	PI2 BPSK	1	50	23.05				
10	PI2 BPSK	25	0	22.27			23.5	0.5
10	PI2 BPSK	25	14	23.15			24.0	0.0
10	PI2 BPSK	25	27	23.01			23.5	0.5
10	PI2 BPSK	50	0	23.11				
10	QPSK	1	1	23.29				
10	QPSK	1	26	23.19			24.0	0.0
10	QPSK	1	50	23.13				
10	QPSK	25	0	22.46			23.0	1.0
10	QPSK	25	14	23.19			24.0	0.0
10	QPSK	25	27	22.97			23.0	1.0
10	QPSK	50	0	22.58			23.0	1.0
10	16QAM	1	1	21.67			23.0	1.0
10	64QAM	1	1	20.78			21.5	2.5
10	256QAM	1	1	19.36			18.5	4.5
Channel				155000	156500	159000		
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.20	23.26	23.22	24.0	0.0

n14 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158600				
Frequency (MHz)				792				
10	PI2 BPSK	1	1				23.37	
10	PI2 BPSK	1	26				23.28	
10	PI2 BPSK	1	50				23.33	
10	PI2 BPSK	25	0				23.28	24.0
10	PI2 BPSK	25	14				23.35	24.0
10	PI2 BPSK	25	27				23.28	24.0
10	PI2 BPSK	50	0				23.31	24.0
10	QPSK	1	1				23.43	
10	QPSK	1	26				23.21	
10	QPSK	1	50				23.36	
10	QPSK	25	0				23.31	24.0
10	QPSK	25	14				23.39	24.0
10	QPSK	25	27				23.28	24.0
10	QPSK	50	0				23.33	24.0
10	16QAM	1	1				23.22	24.0
10	64QAM	1	1				22.17	23.0
10	256QAM	1	1				20.40	21.0
Channel				158100	159000	159100		
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.32	23.40	23.30	24.0	0.0



n25 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				374000	376500	379000				
Frequency (MHz)										
40	PI2 BPSK	1	1	23.02	23.13	23.12				
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0		
40	PI2 BPSK	1	214	22.98	22.98	23.02				
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0		
40	PI2 BPSK	108	54	23.04	23.11	23.14	24.0	0.0		
40	PI2 BPSK	108	108	22.96	23.07	22.93	24.0	0.0		
40	PI2 BPSK	216	0	22.98	22.96	23.05				
40	QPSK	1	1	23.08	23.25	23.21				
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0		
40	QPSK	1	214	23.02	23.06	23.00				
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0		
40	QPSK	108	54	23.02	23.16	22.97	24.0	0.0		
40	QPSK	108	108	22.98	23.08	22.93	24.0	0.0		
40	QPSK	216	0	23.04	23.12	23.04	24.0	0.0		
40	16QAM	1	1	23.09	23.21	23.16	24.0	0.0		
40	64QAM	1	1	22.08	22.13	22.08	23.0	1.0		
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0		
Channel										
				375000	376500	380000				
Frequency (MHz)										
30	QPSK	1	1	22.99	23.11	23.06	24.0	0.0		
Channel										
				376500	376500	380500				
Frequency (MHz)										
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0		
Channel										
				372000	376500	381000				
Frequency (MHz)										
20	QPSK	1	1	22.99	23.19	23.08	24.0	0.0		
Channel										
				371500	376500	381500				
Frequency (MHz)										
15	QPSK	1	1	22.97	23.20	23.06	24.0	0.0		
Channel										
				371000	376500	382000				
Frequency (MHz)										
10	QPSK	1	1	22.98	23.21	23.17	24.0	0.0		
Channel										
				370500	376500	382500				
Frequency (MHz)										
5	QPSK	1	1	22.96	23.17	23.14	24.0	0.0		

n26 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				164800	166300	167800				
Frequency (MHz)										
20	PI2 BPSK	1	1	23.38	23.45	23.33				
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0		
20	PI2 BPSK	1	104	23.02	23.11	23.05				
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0		
20	PI2 BPSK	50	26	23.23	23.31	23.18	24.0	0.0		
20	PI2 BPSK	50	56	23.02	23.15	23.08	24.0	0.0		
20	PI2 BPSK	100	0	23.17	23.28	23.22				
20	QPSK	1	1	23.43	23.49	23.38				
20	QPSK	1	53	23.26	23.40	23.32	24.0	0.0		
20	QPSK	1	104	23.27	23.34	23.22				
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0		
20	QPSK	50	26	23.39	23.43	23.32	24.0	0.0		
20	QPSK	50	56	23.20	23.31	23.26	24.0	0.0		
20	QPSK	100	0	23.31	23.38	23.26	24.0	0.0		
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0		
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0		
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0		
Channel										
				165300	166300	166300				
Frequency (MHz)										
15	QPSK	1	1	23.39	23.36	23.33	24.0	0.0		
Channel										
				166000	166300	166800				
Frequency (MHz)										
10	QPSK	1	1	23.31	23.39	23.25	24.0	0.0		
Channel										
				165300	166300	166300				
Frequency (MHz)										
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0		

n30 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				462000						
Frequency (MHz)										
10	PI2 BPSK	1	1		22.91					
10	PI2 BPSK	1	26		22.89		24.0	0.0		
10	PI2 BPSK	1	50		22.82					
10	PI2 BPSK	25	0		22.81		24.0	0.0		
10	PI2 BPSK	25	14		22.82		24.0	0.0		
10	PI2 BPSK	25	27		22.87		24.0	0.0		
10	PI2 BPSK	50	0		22.81					
10	QPSK	1	1		23.03					
10	QPSK	1	26		22.91		24.0	0.0		
10	QPSK	1	50		22.90					
10	QPSK	25	0		22.80		24.0	0.0		
10	QPSK	25	14		22.83		24.0	0.0		
10	QPSK	25	27		22.89		24.0	0.0		
10	QPSK	50	0		22.90		24.0	0.0		
10	16QAM	1	1		22.66		24.0	0.0		
10	64QAM	1	1		22.17		23.0	1.0		
10	256QAM	1	1		20.17		21.0	3.0		
Channel										
				461500	462000	462500				
Frequency (MHz)										
5	QPSK	1	1	22.83	22.90	22.81	24.0	0.0		



n66 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid-Hi Ch. / Freq.	High Ch. / Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1712	1745	1776		
40	PI2 BPSK	1	1	23.18	23.29	23.32		
40	PI2 BPSK	1	108	23.07	23.35	23.14	24.0	0.0
40	PI2 BPSK	1	214	23.23	23.14	23.27		
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0
40	PI2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0
40	PI2 BPSK	216	0	23.04	23.22	23.21		
40	QPSK	1	1	23.26	23.45	23.40		
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0
40	QPSK	1	214	23.26	23.26	23.25		
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0
40	QPSK	108	54	23.22	23.35	23.24	24.0	0.0
40	QPSK	108	108	23.16	23.26	23.16	24.0	0.0
40	QPSK	216	0	23.21	23.35	23.22		
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0
40	64QAM	1	1	21.62	21.37	21.54	23.0	1.0
40	256QAM	1	1	20.39	20.24	20.44	21.0	3.0
Channel				345000	349000	353000		
Frequency (MHz)				1726	1745	1765		
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0
Channel				340000	349000	349000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.13	23.41	23.35	24.0	0.0
Channel				343000	349000	345000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0
Channel				343000	349000	350000		
Frequency (MHz)				1712	1745	1775		
10	QPSK	1	1	23.22	23.34	23.29	24.0	0.0
Channel				342000	349000	350000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0

n70 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Mid-Hi Ch. / Freq.	High Ch. / Freq.			
Channel				340000	340500	341000			
Frequency (MHz)				1702	1702.5	1705			
15	PI2 BPSK	1	1		20.85				
15	PI2 BPSK	1	40		20.92		22.0	0.0	
15	PI2 BPSK	1	77		20.86				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.86		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.82		22.0	0.0	
15	QPSK	36	43		20.67		21.0	1.0	
15	QPSK	75	0		20.78				
15	16QAM	1	1		18.05		19.0	1.0	
15	64QAM	1	1		18.01		18.5	2.5	
15	256QAM	1	1		16.67		17.5	4.5	
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1		20.85	20.91	20.88	22.0	0.0
Channel				340000	340500	341000			
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1		20.89	20.96	20.89	22.0	0.0



n71 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up Init (dBm)	MPR (dB)	
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	23.27	23.32	23.34			
20	PI2 BPSK	1	53	23.19	23.28	23.17	24.0	0.0	
20	PI2 BPSK	1	104	23.09	23.22	23.19			
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0	
20	PI2 BPSK	50	99	23.21	23.29	23.17	24.0	0.0	
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0	
20	PI2 BPSK	100	0	23.10	23.22	23.09			
20	QPSK	1	1	23.27	23.36	23.34			
20	QPSK	1	53	23.17	23.21	23.28	24.0	0.0	
20	QPSK	1	104	23.18	23.29	23.23			
20	QPSK	50	0	23.11	23.23	23.11	24.0	0.0	
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0	
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0	
20	QPSK	100	0	23.14	23.26	23.14			
20	16QAM	1	1	22.76	22.88	22.84	24.0	0.0	
20	64QAM	1	1	22.10	22.19	22.12	23.0	1.0	
20	256QAM	1	1	20.53	20.57	20.49	21.0	3.0	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.15	23.35	23.26	24.0	0.0	
Channel				130900	136100	139500			
Frequency (MHz)				656	680.5	695			
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0	



n38 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq			
Channel				517002	519000	520998		
Frequency (MHz)				2535.01	2595	2604.99		
30	PI2 BPSK	1	1	21.94	22.00	21.91		
30	PI2 BPSK	1	1	21.83	21.97	21.76	23.0	0.0
30	PI2 BPSK	1	76	21.76	21.88	21.77		
30	PI2 BPSK	36	0	21.84	21.92	21.74	23.0	0.0
30	PI2 BPSK	36	21	21.96	21.98	21.80	23.0	0.0
30	PI2 BPSK	36	42	21.72	21.86	21.72		
30	PI2 BPSK	75	0	21.74	21.84	21.81	23.0	0.0
30	QPSK	1	1	21.99	22.06	22.03		
30	QPSK	1	40	21.96	22.03	21.93	23.0	0.0
30	QPSK	1	76	21.91	21.94	21.81		
30	QPSK	36	0	21.79	21.96	21.87	23.0	0.0
30	QPSK	36	21	21.92	22.02	21.83	23.0	0.0
30	QPSK	36	42	21.76	21.89	21.82	23.0	0.0
30	QPSK	75	0	21.86	21.87	21.81		
30	16QAM	1	1	21.30	21.34	21.26	23.0	0.0
30	64QAM	1	1	20.50	20.59	20.44	21.5	1.5
30	256QAM	1	1	18.72	18.84	18.71	18.5	3.5
Channel				515004	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.90	21.94	21.86	23.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2558	2595	2630		
20	QPSK	1	1	21.98	22.03	21.92	23.0	0.0
Channel				515502	519000	524998		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.84	22.01	21.80	23.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	21.86	21.94	21.91	23.0	0.0

n41 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq			
Channel				506002	518598	528000		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.90	22.02	21.84		
100	PI2 BPSK	1	137	21.82	21.96	21.89	23.0	0.0
100	PI2 BPSK	1	271	21.79	21.89	21.81		
100	PI2 BPSK	135	0	21.34	21.44	21.30	22.5	0.5
100	PI2 BPSK	135	69	21.93	22.04	21.82	23.0	0.0
100	PI2 BPSK	135	138	21.34	21.41	21.35		
100	PI2 BPSK	270	0	21.35	21.49	21.41	22.5	0.5
100	QPSK	1	1	21.95	22.08	21.97		
100	QPSK	1	137	21.86	21.93	21.80	23.0	0.0
100	QPSK	1	271	21.87	21.95	21.89		
100	QPSK	135	0	20.91	21.01	20.90	22.0	1.0
100	QPSK	135	69	21.95	21.99	21.85	23.0	0.0
100	QPSK	135	138	20.88	21.01	20.83	22.0	1.0
100	QPSK	270	0	20.89	20.94	20.81	22.0	1.0
100	16QAM	1	1	20.97	21.03	20.89	22.0	1.0
100	64QAM	1	1	19.02	19.16	19.03	20.5	2.5
100	256QAM	1	1	17.45	17.53	17.43	18.5	4.5
Channel				515000	518598	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.90	21.97	21.89	23.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	21.88	21.96	21.86	23.0	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2531.01	2592.99	2665		
70	QPSK	1	1	21.80	22.00	21.80	23.0	0.0
Channel				505000	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.92	21.96	21.85	23.0	0.0
Channel				505004	518598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.84	22.02	21.82	23.0	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.85	22.04	21.92	23.0	0.0
Channel				502000	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.85	22.00	21.83	23.0	0.0
Channel				501004	518598	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.83	21.98	21.80	23.0	0.0



n41 PC2 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				506202	516598	526994	
Frequency (MHz)				2464.01	2562.99	2660	
100	PI/2 BPSK	1	1	2454	2452	2477	26.0
100	PI/2 BPSK	1	137	2476	2486	2474	26.0
100	PI/2 BPSK	1	271	2473	2481	2470	26.0
100	PI/2 BPSK	135	0	2469	2477	2473	26.0
100	PI/2 BPSK	135	69	2476	2486	2473	26.0
100	PI/2 BPSK	135	138	2480	2475	2463	26.0
100	PI/2 BPSK	270	0	2473	2479	2476	26.0
100	QPSK	1	1	2488	2496	2484	26.0
100	QPSK	1	137	2483	2491	2477	26.0
100	QPSK	1	271	2470	2483	2473	26.0
100	QPSK	135	0	2430	2440	2437	25.5
100	QPSK	135	69	2480	2490	2477	26.0
100	QPSK	135	138	2432	2438	2427	25.5
100	QPSK	270	0	2438	2442	2431	25.5
100	16QAM	1	1	2424	2430	2424	25.5
100	64QAM	1	1	2257	2262	2252	24.0
100	256QAM	1	1	2018	2030	2016	22.0
Channel				506203	516599	526995	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	MPR (dB)
90	QPSK	1	1	2485	2487	2480	26.0
Channel				507204	516598	526998	Tune-up limit
Frequency (MHz)				2626.02	2661.99	2689.98	MPR (dB)
80	QPSK	1	1	2476	2484	2471	26.0
Channel				506202	516598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	MPR (dB)
70	QPSK	1	1	2474	2490	2477	25.0
Channel				505200	516598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	MPR (dB)
60	QPSK	1	1	2483	2482	2476	26.0
Channel				505203	516599	532995	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	1	2479	2486	2480	26.0
Channel				505202	516598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	MPR (dB)
40	QPSK	1	1	2474	2489	2472	26.0
Channel				502200	516598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	MPR (dB)
30	QPSK	1	1	2483	2491	2476	26.0
Channel				501203	516599	535995	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	1	2484	2488	2478	26.0

n48 Part96 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				636000	641666	646332	
Frequency (MHz)				3670	3624.99	3679.98	
40	PI/2 BPSK	1	1	2087	2101	2095	22.0
40	PI/2 BPSK	1	53	2085	2099	2088	22.0
40	PI/2 BPSK	1	104	2091	2095	2091	22.0
40	PI/2 BPSK	50	0	2030	2040	2034	21.5
40	PI/2 BPSK	50	26	2084	2097	2082	22.0
40	PI/2 BPSK	50	56	2034	2039	2034	21.5
40	PI/2 BPSK	100	0	2038	2043	2030	21.5
40	QPSK	1	1	2099	2109	2094	22.0
40	QPSK	1	53	2080	2103	2097	22.0
40	QPSK	1	104	2092	2096	2093	22.0
40	QPSK	50	0	2002	2013	1998	21.0
40	QPSK	50	26	2094	2105	2089	22.0
40	QPSK	50	56	1986	2004	1982	21.0
40	QPSK	100	0	1994	2007	2003	21.0
40	16QAM	1	1	1990	1998	1981	21.0
40	64QAM	1	1	1857	1876	1864	19.5
40	256QAM	1	1	1652	1659	1647	17.5
Channel				637663	641666	645669	Tune-up limit
Frequency (MHz)				3665.02	3624.99	3684.98	MPR (dB)
30	QPSK	1	1	2087	2103	2083	22.0
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3660.03	3624.99	3680	MPR (dB)
20	QPSK	1	1	2090	2094	2079	22.0
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3655	3624.99	3684.98	MPR (dB)
10	QPSK	1	1	2095	2099	2089	22.0



Part270 n77 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.81	22.84	22.91		
100	PI2 BPSK	1	137	22.84	23.02	22.97	24.0	0.0
100	PI2 BPSK	1	271	22.77	22.89	22.77		
100	PI2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	PI2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	PI2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	PI2 BPSK	270	0	22.82	22.92	22.81		
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.82	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.84	22.90	22.77		
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.74	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.71	22.98	22.93	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

Part270 n77 PC2 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	25.68	25.92	25.60		
100	PI2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	PI2 BPSK	1	271	25.88	26.07	26.03		
100	PI2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	PI2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	PI2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	PI2 BPSK	270	0	25.70	25.91	25.87		
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81		
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.68	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.76	26.08	25.98	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.77	25.98	26.06	27.0	0.0

Part270Q n77 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		350.01			
100	PI2 BPSK	1	137		350.01		24.0	0.0
100	PI2 BPSK	1	271		350.01			
100	PI2 BPSK	135	0		350.01		24.0	0.0
100	PI2 BPSK	135	69		350.01		24.0	0.0
100	PI2 BPSK	135	138		350.01		24.0	0.0
100	PI2 BPSK	270	0		350.01			
100	QPSK	1	1		350.01			
100	QPSK	1	137		350.01		24.0	0.0
100	QPSK	1	271		350.01			
100	QPSK	135	0		350.01		24.0	0.0
100	QPSK	135	69		350.01		24.0	0.0
100	QPSK	135	138		350.01		24.0	0.0
100	QPSK	270	0		350.01			
100	16QAM	1	1		350.01		23.0	1.0
100	64QAM	1	1		350.01		21.0	3.0
100	256QAM	1	1		350.01			
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633968	633968	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	634000	634968	634968	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	634000	634968	634968	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	634000	634968	634968	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	634000	634968	634968	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	634000	634968	634968	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	634000	634968	634968	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	634000	634968	634968	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	634000	634968	634968	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	634000	634968	634968	24.0	0.0



Part27Q n77 PC2 Ant0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.35			
100	PI2 BPSK	1	271		20.39		27.0	0.0
100	PI2 BPSK	1	271		20.38			
100	PI2 BPSK	135	0		20.33		27.0	0.0
100	PI2 BPSK	135	69		20.29		27.0	0.0
100	PI2 BPSK	135	138		20.35		27.0	0.0
100	PI2 BPSK	270	0		20.38			
100	QPSK	1	1		20.46			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.31		27.0	0.0
100	QPSK	135	0		20.29		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.26		27.0	0.0
100	QPSK	270	0		20.40			
100	16QAM	1	1		20.29		27.0	0.0
100	64QAM	1	1		20.06		26.5	0.5
100	256QAM	1	1		24.11		24.5	2.5
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	20.30	20.34	20.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.38	20.40	20.29	27.0	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	20.30	20.39	20.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.36	20.31	20.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631863	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.38	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	20.42	20.36	20.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.32	20.33	20.43	27.0	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	20.36	20.38	20.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.42	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	20.35	20.31	20.34	27.0	0.0



Part270 n78 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		22.85			
100	PI2 BPSK	1	271		22.80		24.0	0.0
100	PI2 BPSK	1	271		22.74			
100	PI2 BPSK	135	0		22.85		24.0	0.0
100	PI2 BPSK	135	69		22.73			
100	PI2 BPSK	135	138		22.84		24.0	0.0
100	PI2 BPSK	270	0		22.75		24.0	0.0
100	QPSK	1	1		22.89			
100	QPSK	1	137		22.81			
100	QPSK	1	271		22.72		24.0	0.0
100	QPSK	135	0		22.75		23.5	0.5
100	QPSK	135	69		22.83		24.0	0.0
100	QPSK	135	138		22.75		23.5	0.5
100	QPSK	270	0		22.85		24.0	0.0
100	16QAM	1	1		22.25		22.0	2.0
100	64QAM	1	1		20.83		22.0	2.0
100	256QAM	1	1		19.01		22.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64998	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.71	22.84	22.79	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.81	22.73	22.89	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64998	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3745.02	3750	3770.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.73	22.80	22.80	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.83	22.79	22.86	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.78	22.75	22.73	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.81	22.83	22.70	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.83	22.73	22.72	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.74	22.86	22.72	24.0	0.0

Part270 n78 PC2 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		25.83			
100	PI2 BPSK	1	137		25.82		27.0	0.0
100	PI2 BPSK	1	271		25.85			
100	PI2 BPSK	135	0		25.90		27.0	0.0
100	PI2 BPSK	135	69		25.96			
100	PI2 BPSK	135	138		25.91		27.0	0.0
100	PI2 BPSK	270	0		25.87		27.0	0.0
100	QPSK	1	1		25.97			
100	QPSK	1	137		25.90			
100	QPSK	1	271		25.94		27.0	0.0
100	QPSK	135	0		25.83		27.0	0.0
100	QPSK	135	69		25.93		27.0	0.0
100	QPSK	135	138		25.94		27.0	0.0
100	QPSK	270	0		25.94		27.0	0.0
100	16QAM	1	1		25.58		25.5	1.5
100	64QAM	1	1		24.18		25.5	1.5
100	256QAM	1	1		22.28		23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64998	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.81	25.83	25.83	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.91	25.83	25.79	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64998	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3745.02	3750	3770.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.91	25.85	25.83	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.81	25.84	25.83	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.78	25.83	25.81	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.81	25.92	25.85	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.78	25.91	25.77	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.80	25.91	25.77	27.0	0.0

Part27Q n78 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		350.01			
100	PI2 BPSK	1	137		23.22			
100	PI2 BPSK	1	271		23.18		24.0	0.0
100	PI2 BPSK	1	271		23.29			
100	PI2 BPSK	135	0		23.22		24.0	0.0
100	PI2 BPSK	135	69		23.30			
100	PI2 BPSK	135	138		23.29		24.0	0.0
100	PI2 BPSK	270	0		23.17		24.0	0.0
100	QPSK	1	1		23.32			
100	QPSK	1	137		23.21			
100	QPSK	1	271		23.17		24.0	0.0
100	QPSK	135	0		23.18		23.5	0.5
100	QPSK	135	69		23.23		24.0	0.0
100	QPSK	135	138		23.17		23.5	0.5
100	QPSK	270	0		23.26		24.0	0.0
100	16QAM	1	1		23.13		22.0	2.0
100	64QAM	1	1		21.58		22.0	2.0
100	256QAM	1	1		19.48		20.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63355	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.17	23.23	23.18	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.15	23.24	23.21	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3485.01	3500.01	3515.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63300	63334	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.09	23.22	23.19	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.10	23.20	23.19	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63166	63334	63534	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3480.01	3500.01	3520.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.22	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.16	23.19	23.20	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.24	23.27	23.16	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.23	23.26	23.20	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.14	23.19	23.25	24.0	0.0



Part27Q n78 PC2 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	26.24	3500.01			
100	PI2 BPSK	1	137	26.33			27.0	0.0
100	PI2 BPSK	1	271	26.28				
100	PI2 BPSK	135	0	26.22			27.0	0.0
100	PI2 BPSK	135	69	26.32			27.0	0.0
100	PI2 BPSK	135	138	26.27			27.0	0.0
100	PI2 BPSK	270	0	26.25				
100	QPSK	1	1	26.38				
100	QPSK	1	137	26.33			27.0	0.0
100	QPSK	1	271	26.22				
100	QPSK	135	0	26.30			27.0	0.0
100	QPSK	135	69	26.35			27.0	0.0
100	QPSK	135	138	26.32			27.0	0.0
100	QPSK	270	0	26.23				
100	16QAM	1	1	26.16			27.0	0.0
100	64QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.16			23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.16	26.26	26.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.24	26.24	26.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.22	26.29	26.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.20	26.26	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.26	26.29	26.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.18	26.23	26.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.24	26.34	26.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.22	26.27	26.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.18	26.35	26.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.25	26.32	26.27	27.0	0.0



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				370000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.40	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	22.0	3.0	
Channel									
				373000	376000	380000			
Frequency (MHz)									
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
				370000	376000	381500			
Frequency (MHz)									
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	22.0	1.0	
Channel									
				162000	162500	163000			
Frequency (MHz)									
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
				165800	167300	168300			
Frequency (MHz)									
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
				166300	167300	168300			
Frequency (MHz)									
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	22.18	22.23	22.14			
40	PI2 BPSK	1	108	22.07	22.14	22.00	23.0	0.0	
40	PI2 BPSK	1	214	22.06	22.11	21.99			
40	PI2 BPSK	108	0	22.03	22.17	22.10	23.0	0.0	
40	PI2 BPSK	108	54	22.09	22.21	22.13	23.0	0.0	
40	PI2 BPSK	108	108	22.08	22.16	22.04	23.0	0.0	
40	PI2 BPSK	216	0	22.14	22.20	22.16			
40	QPSK	1	1	22.13	22.26	22.21			
40	QPSK	1	108	22.08	22.20	22.17	23.0	0.0	
40	QPSK	1	214	22.11	22.14	22.09			
40	QPSK	108	0	21.97	22.10	21.97	23.0	0.0	
40	QPSK	108	54	22.14	22.17	22.07	23.0	0.0	
40	QPSK	108	108	21.93	22.02	21.94	23.0	0.0	
40	QPSK	216	0	21.94	22.05	22.04			
40	16QAM	1	1	21.69	21.83	21.76	22.0	1.0	
40	64QAM	1	1	21.05	21.09	20.96	22.0	1.0	
40	256QAM	1	1	19.53	19.63	19.96	20.0	3.0	
Channel									
				502000	503000	510000			
Frequency (MHz)									
30	QPSK	1	1	22.15	22.15	22.11	23.0	0.0	
Channel									
				505000	507000	511500			
Frequency (MHz)									
25	QPSK	1	1	22.11	22.20	22.14	23.0	0.0	
Channel									
				500000	507000	510000			
Frequency (MHz)									
20	PI2 BPSK	1	1	22.08	22.11	22.18	23.0	0.0	
Channel									
				501500	507000	510500			
Frequency (MHz)									
15	QPSK	1	1	22.07	22.16	22.10	23.0	0.0	
Channel									
				505000	507000	510000			
Frequency (MHz)									
10	QPSK	1	1	22.11	22.21	22.11	23.0	0.0	
Channel									
				500000	507000	510000			
Frequency (MHz)									
5	QPSK	1	1	22.13	22.22	22.15	23.0	0.0	



n12 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				706.5	707.5	708.5	
15	PI2 BPSK	1	1	21.82	21.86	21.78	
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0
15	PI2 BPSK	1	77	21.49	21.59	21.48	
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0
15	QPSK	1	1	21.87	21.95	21.82	
15	QPSK	1	40	21.76	21.86	21.74	23.0
15	QPSK	1	77	21.70	21.79	21.67	
15	QPSK	36	0	21.64	21.73	21.60	23.0
15	QPSK	36	22	21.83	21.86	21.79	23.0
15	QPSK	36	43	21.62	21.73	21.64	
15	QPSK	75	0	21.72	21.79	21.74	23.0
15	16QAM	1	1	21.53	21.63	21.52	23.0
15	16QAM	1	1	20.83	20.93	20.89	22.0
15	25QAM	1	1	19.32	19.41	19.29	20.0
Channel							
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	21.82	21.88	21.69	23.0
Channel							
Frequency (MHz)				140390	141950	142700	
5	QPSK	1	1	21.79	21.81	21.72	23.0

n13 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				722			
10	PI2 BPSK	1	1	21.84			
10	PI2 BPSK	1	26	21.79			23.0
10	PI2 BPSK	1	50	21.72			
10	PI2 BPSK	25	0	20.93			22.5
10	PI2 BPSK	25	14	21.88			23.0
10	PI2 BPSK	25	27	21.76			
10	PI2 BPSK	50	0	21.81			22.5
10	QPSK	1	1	21.94			
10	QPSK	1	26	21.87			23.0
10	QPSK	1	50	21.83			
10	QPSK	25	0	20.89			22.0
10	QPSK	25	14	21.89			23.0
10	QPSK	25	27	21.13			22.0
10	QPSK	50	0	21.19			22.0
10	16QAM	1	1	20.71			22.0
10	16QAM	1	1	19.53			20.5
10	25QAM	1	1	18.22			18.5
Channel							
Frequency (MHz)				155500	156000	156500	
5	QPSK	1	1	21.80	21.87	21.61	23.0

n14 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				793			
10	PI2 BPSK	1	1	21.88			
10	PI2 BPSK	1	26	21.90			23.0
10	PI2 BPSK	1	50	21.86			
10	PI2 BPSK	25	0	21.89			23.0
10	PI2 BPSK	25	14	21.95			23.0
10	PI2 BPSK	25	27	21.86			
10	PI2 BPSK	50	0	21.93			23.0
10	QPSK	1	1	22.04			
10	QPSK	1	26	22.01			23.0
10	QPSK	1	50	21.96			
10	QPSK	25	0	21.94			23.0
10	QPSK	25	14	21.99			23.0
10	QPSK	25	27	21.87			23.0
10	QPSK	50	0	21.94			23.0
10	16QAM	1	1	21.88			23.0
10	16QAM	1	1	20.85			22.0
10	25QAM	1	1	19.09			20.0
Channel							
Frequency (MHz)				158100	159000	159500	
5	QPSK	1	1	21.93	21.98	21.91	23.0



n25 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				1670	1682.5	1695			
40	PI2 BPSK	1	1	21.59	21.43	21.33	23.0	0.0	
40	PI2 BPSK	1	108	21.32	21.37	21.22			
40	PI2 BPSK	1	214	21.34	21.40	21.28			
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0	
40	PI2 BPSK	108	54	21.35	21.45	21.38	23.0	0.0	
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0	
40	PI2 BPSK	216	0	21.28	21.38	21.26			
40	QPSK	1	1	21.49	21.52	21.45			
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0	
40	QPSK	1	214	21.30	21.42	21.34			
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0	
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0	
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0	
40	QPSK	216	0	21.36	21.44	21.33			
40	16QAM	1	1	21.33	21.37	21.28	23.0	0.0	
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0	
40	256QAM	1	1	19.07	19.13	19.06	23.0	3.0	
Channel									
				1685	1692.5	1700			
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0	
Channel									
				372500	376500	380500			
25	QPSK	1	1	21.35	21.41	21.38	23.0	0.0	
Channel									
				372000	376500	381000			
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0	
Channel									
				371500	376500	381500			
15	QPSK	1	1	21.34	21.40	21.34	23.0	0.0	
Channel									
				371000	376500	382000			
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0	
Channel									
				370500	376500	382500			
5	QPSK	1	1	21.38	21.43	21.38	23.0	0.0	

n26 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				164800	166300	167800			
20	PI2 BPSK	1	1	22.07	22.11	22.02			
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0	
20	PI2 BPSK	1	104	21.85	21.91	21.80			
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.94	22.06	21.94	23.0	0.0	
20	PI2 BPSK	50	56	21.83	21.91	21.81	23.0	0.0	
20	PI2 BPSK	100	0	21.92	22.01	21.95			
20	QPSK	1	1	22.03	22.15	22.04			
20	QPSK	1	53	21.99	22.10	22.07	23.0	0.0	
20	QPSK	1	104	21.91	22.05	21.94			
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0	
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0	
20	QPSK	50	56	21.92	21.99	21.83	23.0	0.0	
20	QPSK	100	0	22.02	22.08	21.94			
20	16QAM	1	1	21.84	21.75	21.69	23.0	0.0	
20	64QAM	1	1	20.86	21.11	21.08	22.0	1.0	
20	256QAM	1	1	19.32	19.41	19.29	23.0	3.0	
Channel									
				165300	166300	167300			
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0	
Channel									
				163800	166300	168800			
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0	
Channel									
				163300	166300	169300			
5	QPSK	1	1	21.95	22.00	21.91	23.0	0.0	

n30 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				462000	462000				
10	PI2 BPSK	1	1		23.10				
10	PI2 BPSK	1	26		23.79		23.0	0.0	
10	PI2 BPSK	1	50		23.73				
10	PI2 BPSK	25	0		23.89		23.0	0.0	
10	PI2 BPSK	25	14		23.89		23.0	0.0	
10	PI2 BPSK	25	27		23.88		23.0	0.0	
10	PI2 BPSK	50	0		23.68				
10	QPSK	1	1		23.85				
10	QPSK	1	26		23.81		23.0	0.0	
10	QPSK	1	50		23.74				
10	QPSK	25	0		23.71		23.0	0.0	
10	QPSK	25	14		23.81		23.0	0.0	
10	QPSK	25	27		23.87		23.0	0.0	
10	QPSK	50	0		23.72				
10	16QAM	1	1		23.69		22.0	1.0	
10	64QAM	1	1		20.73		20.0	3.0	
10	256QAM	1	1		18.99		20.0	3.0	
Channel									
				461500	462000	462500			
Channel									
				2307.5	2310	2312.5			
5	QPSK	1	1	21.79	21.78	21.79	23.0	0.0	



n66 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				346000	346000	350000		
Frequency (MHz)				1725	1745	1760		
40	PI2 BPSK	1	1	21.87	21.73	21.61		
40	PI2 BPSK	1	108	21.49	21.61	21.55	23.0	0.0
40	PI2 BPSK	1	214	21.58	21.63	21.60		
40	PI2 BPSK	108	0	21.50	21.59	21.48	23.0	0.0
40	PI2 BPSK	108	54	21.68	21.70	21.66	23.0	0.0
40	PI2 BPSK	108	108	21.50	21.58	21.52	23.0	0.0
40	PI2 BPSK	216	0	21.59	21.64	21.52		
40	QPSK	1	1	21.87	21.79	21.74		
40	QPSK	1	108	21.62	21.72	21.63	23.0	0.0
40	QPSK	1	214	21.57	21.67	21.54		
40	QPSK	108	0	21.57	21.62	21.57	23.0	0.0
40	QPSK	108	54	21.62	21.74	21.60	23.0	0.0
40	QPSK	108	108	21.60	21.68	21.55	23.0	0.0
40	QPSK	216	0	21.67	21.71	21.64		
40	16QAM	1	1	21.52	21.63	21.52	23.0	0.0
40	64QAM	1	1	20.92	20.97	20.93	22.0	1.0
40	256QAM	1	1	19.62	19.77	19.65	20.0	3.0
Channel				345000	345000	350000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.64	21.70	21.60	23.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1725	1745	1770		
20	QPSK	1	1	21.58	21.67	21.63	23.0	0.0
Channel				343000	346000	354000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.60	21.73	21.62	23.0	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.52	21.71	21.68	23.0	0.0

n70 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				346000	346000	350000		
Frequency (MHz)				1725	1745	1760		
15	PI2 BPSK	1	1	21.80				
15	PI2 BPSK	1	40	21.87			23.0	0.0
15	PI2 BPSK	1	77	21.82				
15	PI2 BPSK	36	0	21.34			22.5	0.5
15	PI2 BPSK	36	22	21.86			23.0	0.0
15	PI2 BPSK	36	43	21.26				
15	PI2 BPSK	75	0	21.32			22.5	0.5
15	QPSK	1	1	21.95				
15	QPSK	1	40	21.93			23.0	0.0
15	QPSK	1	77	21.86				
15	QPSK	36	0	21.35			22.0	1.0
15	QPSK	36	22	21.88			23.0	0.0
15	QPSK	36	43	21.40			22.0	1.0
15	QPSK	75	0	21.32				
15	16QAM	1	1	21.34			22.0	1.0
15	64QAM	1	1	19.88			20.5	2.5
15	256QAM	1	1	17.62			18.5	4.5
Channel				340000	345000	341000		
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.84	21.92	21.81	23.0	0.0
Channel				339000	340500	341500		
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.81	21.88	21.83	23.0	0.0



n71 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.08	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	58	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.18	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	58	21.91	22.06	21.98	23.0	0.0
20	QPSK	100	0	22.03	22.13	21.95		
20	16QAM	1	1	21.98	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.98	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.42	19.42	20.0	3.0
Channel				134500	136000	137500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	688		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688.5	680.5	690.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517052	516000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	22.41	22.44	22.55		
30	PI2 BPSK	1	40	22.26	22.39	22.36	23.0	0.0
30	PI2 BPSK	1	76	22.13	22.27	22.12		
30	PI2 BPSK	36	0	22.30	22.42	22.29	23.0	0.0
30	PI2 BPSK	36	21	22.34	22.39	22.26	23.0	0.0
30	PI2 BPSK	36	42	22.23	22.35	22.30		
30	PI2 BPSK	75	0	22.33	22.38	22.33	23.0	0.0
30	QPSK	1	1	22.41	22.53	22.47		
30	QPSK	1	40	22.36	22.42	22.33	23.0	0.0
30	QPSK	1	76	22.41	22.45	22.39		
30	QPSK	36	0	22.29	22.41	22.38	23.0	0.0
30	QPSK	36	21	22.37	22.46	22.40	23.0	0.0
30	QPSK	36	42	22.28	22.32	22.20	23.0	0.0
30	QPSK	75	0	22.33	22.38	22.36		
30	16QAM	1	1	22.26	22.39	22.27	23.0	0.0
30	64QAM	1	1	20.74	20.89	20.83	21.5	1.5
30	256QAM	1	1	19.07	19.21	19.03	19.5	3.5
Channel				515504	515000	515496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.28	22.49	22.43	23.0	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2584	2595	2610		
20	QPSK	1	1	22.29	22.39	22.37	23.0	0.0
Channel				515502	516000	524998		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.30	22.41	22.31	23.0	0.0
Channel				515004	516000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.28	22.47	22.35	23.0	0.0

n41 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518500	526998		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.92	22.04	21.97		
100	PI2 BPSK	1	137	21.90	21.98	21.98	23.0	0.0
100	PI2 BPSK	1	271	21.88	21.95	21.89		
100	PI2 BPSK	135	0	21.42	21.45	21.38	22.5	0.5
100	PI2 BPSK	135	69	21.98	22.02	21.88	23.0	0.0
100	PI2 BPSK	135	138	21.37	21.49	21.41	22.5	0.5
100	PI2 BPSK	270	0	21.31	21.40	21.36		
100	QPSK	1	1	21.98	22.07	22.03		
100	QPSK	1	137	21.95	22.01	21.87	23.0	0.0
100	QPSK	1	271	21.84	21.92	21.86		
100	QPSK	135	0	20.01	21.06	20.90	22.0	1.0
100	QPSK	135	69	21.94	22.02	21.99	23.0	0.0
100	QPSK	135	138	20.86	20.89	20.78	22.0	1.0
100	QPSK	270	0	20.78	20.95	20.87		
100	16QAM	1	1	20.81	20.96	20.80	22.0	1.0
100	64QAM	1	1	19.19	19.32	19.28	20.5	2.5
100	256QAM	1	1	17.45	17.52	17.41	18.5	4.5
Channel				515500	518500	529596		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.93	22.04	21.99	23.0	0.0
Channel				507204	518500	529998		
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	1	21.95	21.95	21.90	23.0	0.0
Channel				506002	518500	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.89	22.00	21.90	23.0	0.0
Channel				505200	518500	531996		
Frequency (MHz)				2528	2592.99	2659.98		
60	QPSK	1	1	21.86	22.00	21.93	23.0	0.0
Channel				504204	518500	532996		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.88	21.98	21.98	23.0	0.0
Channel				503202	518500	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.92	21.97	21.89	23.0	0.0
Channel				502200	518500	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.95	22.01	21.92	23.0	0.0
Channel				501204	518500	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.87	21.92	21.92	23.0	0.0



n41 PC2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	2517	2521	2509			
100	PI/2 BPSK	1	137	2507	2517	2504	26.0	0.0	
100	PI/2 BPSK	1	271	2500	2511	2502			
100	PI/2 BPSK	135	0	2490	2502	2495	26.0	0.0	
100	PI/2 BPSK	135	69	2503	2514	2508	26.0	0.0	
100	PI/2 BPSK	135	138	2497	2507	2495	26.0	0.0	
100	PI/2 BPSK	270	0	2503	2511	2500			
100	QPSK	1	1	2525	2528	2516			
100	QPSK	1	197	2516	2520	2508	26.0	0.0	
100	QPSK	1	231	2500	2513	2507			
100	QPSK	135	0	2453	2468	2461	25.5	0.5	
100	QPSK	135	69	2521	2523	2512	26.0	0.0	
100	QPSK	135	138	2480	2471	2456	25.5	0.5	
100	QPSK	270	0	2454	2466	2458			
100	16QAM	1	1	2447	2461	2450	25.5	0.5	
100	64QAM	1	1	2283	2304	2291	24.0	2.0	
100	256QAM	1	1	2038	2104	2090	22.0	4.0	
Channel				506203	518599	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	2514	2515	2503	26.0	0.0	
Channel				507294	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2528.02	2592.99	2648.98			
80	QPSK	1	1	2518	2514	2505	26.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2653			
70	QPSK	1	1	2521	2518	2503	25.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	2522	2522	2502	26.0	0.0	
Channel				505203	518599	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	2517	2517	2510	26.0	0.0	
Channel				505202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	2515	2525	2503	26.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	2520	2514	2501	26.0	0.0	
Channel				501203	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	2516	2521	2501	26.0	0.0	

n48 Part96 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3270	3234.99	3293.98			
40	PI/2 BPSK	1	1	2305	2305	2303			
40	PI/2 BPSK	1	53	2303	2302	2305	24.0	0.0	
40	PI/2 BPSK	1	104	2349	2352	2345			
40	PI/2 BPSK	50	0	2328	2335	2323	23.5	0.5	
40	PI/2 BPSK	50	26	2303	2307	2306	24.0	0.0	
40	PI/2 BPSK	50	56	2314	2318	2314	23.5	0.5	
40	PI/2 BPSK	100	0	2314	2322	2322			
40	QPSK	1	1	2305	2313	2306			
40	QPSK	1	53	2304	2302	2300	24.0	0.0	
40	QPSK	1	104	2341	2341	2341			
40	QPSK	50	0	2285	2282	2284	23.0	1.0	
40	QPSK	50	26	2300	2310	2307	24.0	0.0	
40	QPSK	50	56	2287	2289	2284	23.0	1.0	
40	QPSK	100	0	2283	2282	2271			
40	16QAM	1	1	2258	2267	2258	23.0	1.0	
40	64QAM	1	1	2103	2118	2109	21.5	2.5	
40	256QAM	1	1	1817	1838	1826	18.5	4.5	
Channel				636003	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3265.02	3234.99	3293.98			
30	QPSK	1	1	2316	2322	2303	24.0	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3260.03	3234.99	3290			
20	QPSK	1	1	2316	2319	2305	24.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3255	3234.99	3294.98			
10	QPSK	1	1	2316	2325	2305	24.0	0.0	



Part270 n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 650000]	Power Middle Ch. [Freq. 656000]	Power High Ch. [Freq. 663000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.79	22.90	22.78		
100	PI2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	PI2 BPSK	1	271	22.83	22.78	22.65		
100	PI2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	PI2 BPSK	135	69	22.76	22.86	22.78	24.0	0.5
100	PI2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	PI2 BPSK	270	0	22.34	22.37	22.35	24.0	0.5
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.98	22.76	22.97		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93	24.0	0.5
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.79	22.89	22.80	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.82	22.82	22.78	24.0	0.0

Part270 n77 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 650000]	Power Middle Ch. [Freq. 656000]	Power High Ch. [Freq. 663000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	25.78	25.79	25.78		
100	PI2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	PI2 BPSK	1	271	25.86	25.72	25.56		
100	PI2 BPSK	135	0	25.84	25.59	25.81	27.0	0.0
100	PI2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	PI2 BPSK	135	138	25.83	25.70	25.86	27.0	0.0
100	PI2 BPSK	270	0	25.58	25.76	25.63	27.0	0.0
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.28	25.38	25.24	26.5	0.5
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.78	25.81	25.68	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.75	25.84	25.80	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.80	25.87	25.72	27.0	0.0

Part270Q n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 633000]	Power Middle Ch. [Freq. 633334]	Power High Ch. [Freq. 633534]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		350.01			
100	PI2 BPSK	1	137		23.32		24.0	0.0
100	PI2 BPSK	1	271		23.26			
100	PI2 BPSK	135	0		22.88		23.5	0.5
100	PI2 BPSK	135	69		23.08		24.0	0.5
100	PI2 BPSK	135	138		22.81		23.5	0.5
100	PI2 BPSK	270	0		22.74		24.0	0.5
100	QPSK	1	1		23.45			
100	QPSK	1	137		23.30		24.0	0.0
100	QPSK	1	271		23.35			
100	QPSK	135	0		23.43		23.0	1.0
100	QPSK	135	69		23.22		24.0	0.0
100	QPSK	135	138		22.56		23.0	1.0
100	QPSK	270	0		22.53		23.5	0.5
100	16QAM	1	1		22.15		21.5	2.5
100	64QAM	1	1		20.84		19.5	4.5
100	256QAM	1	1		18.96		18.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633068	633334	634000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.29	23.30	23.31	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	633234	633334	634334	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3495.02	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	633000	633334	633968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3496	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	633166	633334	633500	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	633334	633334	633534	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3495.01	3500.01	3505.01	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	633000	633334	633968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	633068	633334	633500	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	633000	633334	633534	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	3495.01	3500.01	3505.01	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	633068	633334	633534	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



Part27Q n77 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.54			
100	PI2 BPSK	1	271		20.32		27.0	0.0
100	PI2 BPSK	135	0		20.51			
100	PI2 BPSK	135	69		20.34		27.0	0.0
100	PI2 BPSK	135	138		20.44		27.0	0.0
100	PI2 BPSK	270	0		20.18		27.0	0.0
100	PI2 BPSK	270	0		20.27			
100	QPSK	1	1		20.00			
100	QPSK	1	137		20.36		27.0	0.0
100	QPSK	1	271		20.30			
100	QPSK	135	0		20.58		26.5	0.5
100	QPSK	135	69		20.42		27.0	0.0
100	QPSK	135	138		20.90		26.5	0.5
100	QPSK	270	0		20.15		26.5	0.5
100	16QAM	1	1		20.02		26.5	0.5
100	64QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
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	20.47	20.46	20.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.48	20.58	20.53	27.0	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	20.50	20.51	20.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.47	20.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631803	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.45	20.43	27.0	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	20.54	20.51	20.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.56	20.52	20.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.58	20.57	20.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	633100	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.57	20.58	20.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	20.50	20.45	20.55	27.0	0.0



Part270 n78 Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM across different bandwidths (100, 80, 70, 60, 50, 40, 30, 20, 15, 10 MHz).

Part270 n78 PC2 Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM across different bandwidths (100, 80, 70, 60, 50, 40, 30, 20, 15, 10 MHz).

Part270 n78 Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM across different bandwidths (100, 80, 70, 60, 50, 40, 30, 20, 15, 10 MHz).



Part27Q n78 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
					26.43			
100	PI2 BPSK	1	137		26.12		27.0	0.0
100	PI2 BPSK	1	271		26.39			
100	PI2 BPSK	135	0		26.23		27.0	0.0
100	PI2 BPSK	135	69		26.00		27.0	0.0
100	PI2 BPSK	135	138		26.12		27.0	0.0
100	PI2 BPSK	270	0		25.96			
100	QPSK	1	1		26.51			
100	QPSK	1	137		26.27		27.0	0.0
100	QPSK	1	271		26.40			
100	QPSK	135	0		26.81		26.5	0.5
100	QPSK	135	69		26.30		27.0	0.0
100	QPSK	135	138		25.89		26.5	0.5
100	QPSK	270	0		25.95			
100	16QAM	1	1		25.76		26.5	0.5
100	64QAM	1	1		24.17		25.0	2.0
100	256QAM	1	1		22.12		23.0	4.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	26.47	26.36	26.41	27.0	0.0
Channel								
Frequency (MHz)								
				63668	63334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3510		
80	QPSK	1	1	26.41	26.40	26.45	27.0	0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.47	26.41	26.37	27.0	0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	26.35	26.37	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	26.49	26.48	26.48	27.0	0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3478.01	3500.01	3528.01		
40	QPSK	1	1	26.41	26.43	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	26.34	26.47	26.42	27.0	0.0
Channel								
Frequency (MHz)								
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	26.47	26.44	26.41	27.0	0.0
Channel								
Frequency (MHz)								
				630300	633334	636300	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	26.45	26.49	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	26.36	26.47	26.43	27.0	0.0



n2 DSI2_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	18.47	18.58	18.55			
20	PI2 BPSK	1	53	18.43	18.55	18.44	19.7	0.0	
20	PI2 BPSK	1	104	18.41	18.53	18.46			
20	PI2 BPSK	50	0	18.44	18.51	18.41	19.7	0.0	
20	PI2 BPSK	50	28	18.42	18.52	18.47	19.7	0.0	
20	PI2 BPSK	50	56	18.43	18.50	18.36	19.7	0.0	
20	PI2 BPSK	100	0	18.50	18.53	18.47			
20	QPSK	1	1	18.54	18.61	18.54			
20	QPSK	1	53	18.34	18.41	18.30	19.7	0.0	
20	QPSK	1	104	18.35	18.44	18.38			
20	QPSK	50	0	18.43	18.48	18.46	19.7	0.0	
20	QPSK	50	28	18.41	18.52	18.41	19.7	0.0	
20	QPSK	50	56	18.38	18.48	18.44	19.7	0.0	
20	QPSK	100	0	18.36	18.50	18.35			
20	16QAM	1	1	18.37	18.45	18.32	19.7	0.0	
20	64QAM	1	1	18.12	18.24	18.16	19.7	0.0	
20	256QAM	1	1	17.52	17.68	17.58	13.7	1.0	
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	18.48	18.50	18.52	19.7	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	18.40	18.52	18.42	19.7	0.0	
Channel				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	18.49	18.50	18.42	19.7	0.0	

n5 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38			
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.55	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51			
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	22.0	2.0	
Channel				163000	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DSI2_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	12.46	12.53	12.35			
40	PI2 BPSK	1	108	12.32	12.47	12.43	13.7	0.0	
40	PI2 BPSK	1	214	12.43	12.48	12.42			
40	PI2 BPSK	108	0	12.44	12.43	12.35	13.7	0.0	
40	PI2 BPSK	108	54	12.35	12.41	12.32	13.7	0.0	
40	PI2 BPSK	108	108	12.39	12.51	12.43			
40	PI2 BPSK	216	0	12.28	12.43	12.32			
40	QPSK	1	1	12.36	12.57	12.36			
40	QPSK	1	108	12.44	12.48	12.48	13.7	0.0	
40	QPSK	1	214	12.33	12.46	12.33			
40	QPSK	108	0	12.30	12.38	12.31	13.7	0.0	
40	QPSK	108	54	12.35	12.46	12.43	13.7	0.0	
40	QPSK	108	108	12.32	12.44	12.28	13.7	0.0	
40	QPSK	216	0	12.38	12.42	12.38			
40	16QAM	1	1	12.31	12.47	12.32	13.7	0.0	
40	64QAM	1	1	12.37	12.49	12.35	13.7	0.0	
40	256QAM	1	1	12.38	12.44	12.31	13.7	0.0	
Channel				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	12.15	12.35	12.36	13.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	12.23	12.35	12.36	13.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	PI2 BPSK	1	1	12.19	12.33	12.39	13.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	12.15	12.41	12.40	13.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	12.22	12.33	12.40	13.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	12.19	12.40	12.37	13.7	0.0	



n25 DSI2_Standalone Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	18.30	18.62	18.50	
40	PI2 BPSK	1	108	18.47	18.56	18.40	19.7
40	PI2 BPSK	1	214	18.61	18.65	18.53	
40	PI2 BPSK	108	0	18.45	18.57	18.43	19.7
40	PI2 BPSK	108	54	18.54	18.66	18.61	19.7
40	PI2 BPSK	108	108	18.45	18.61	18.55	
40	PI2 BPSK	216	0	18.51	18.54	18.47	19.7
40	QPSK	1	1	18.57	18.68	18.66	
40	QPSK	1	108	18.47	18.57	18.43	19.7
40	QPSK	1	214	18.69	18.52	18.41	
40	QPSK	108	0	18.40	18.53	18.49	19.7
40	QPSK	108	54	18.60	18.65	18.58	19.7
40	QPSK	108	108	18.40	18.56	18.46	19.7
40	QPSK	216	0	18.49	18.57	18.47	19.7
40	16QAM	1	1	18.55	18.60	18.55	19.7
40	64QAM	1	1	18.45	18.52	18.39	19.7
40	256QAM	1	1	17.51	17.62	17.26	18.7
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.49	18.66	18.57	19.7
Channel							
Frequency (MHz)							
25	QPSK	1	1	18.54	18.60	18.57	19.7
Channel							
Frequency (MHz)							
20	QPSK	1	1	18.43	18.59	18.62	19.7
Channel							
Frequency (MHz)							
15	QPSK	1	1	18.43	18.45	18.42	19.7
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.52	18.63	18.62	19.7
Channel							
Frequency (MHz)							
5	QPSK	1	1	18.54	18.59	18.56	19.7

n30 DSI2_Standalone Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	14.48			
10	PI2 BPSK	1	26	14.43			15.6
10	PI2 BPSK	1	50	14.33			
10	PI2 BPSK	25	0	14.38			15.6
10	PI2 BPSK	25	14	14.45			15.6
10	PI2 BPSK	25	27	14.40			
10	PI2 BPSK	50	0	14.41			15.6
10	QPSK	1	1	14.50			
10	QPSK	1	26	14.40			15.6
10	QPSK	1	50	14.42			
10	QPSK	25	0	14.33			15.6
10	QPSK	25	14	14.47			15.6
10	QPSK	25	27	14.43			15.6
10	QPSK	50	0	14.35			15.6
10	16QAM	1	1	14.42			15.6
10	64QAM	1	1	14.44			15.6
10	256QAM	1	1	14.24			15.6
Channel							
Frequency (MHz)							
5	QPSK	1	1	14.35	14.40	14.46	15.6

n66 DSI2_Standalone Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	20.47	20.57	20.49	
40	PI2 BPSK	1	108	20.33	20.42	20.29	21.0
40	PI2 BPSK	1	214	20.33	20.38	20.29	
40	PI2 BPSK	108	0	20.24	20.35	20.32	21.0
40	PI2 BPSK	108	54	20.23	20.37	20.30	21.0
40	PI2 BPSK	108	108	20.32	20.42	20.39	
40	PI2 BPSK	216	0	20.23	20.34	20.21	21.0
40	QPSK	1	1	20.46	20.59	20.56	
40	QPSK	1	108	20.27	20.44	20.29	21.0
40	QPSK	1	214	20.23	20.36	20.24	
40	QPSK	108	0	20.30	20.34	20.21	21.0
40	QPSK	108	54	20.46	20.50	20.39	21.0
40	QPSK	108	108	20.30	20.39	20.30	21.0
40	QPSK	216	0	20.29	20.40	20.41	
40	16QAM	1	1	20.27	20.42	20.30	21.0
40	64QAM	1	1	20.10	20.22	20.13	21.0
40	256QAM	1	1	19.12	19.23	19.20	17.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.41	20.52	20.46	21.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.39	20.43	20.46	21.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.34	20.45	20.52	21.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.32	20.43	20.50	21.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	20.35	20.45	20.47	21.0



n70 DSI2_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq. 340500	Power High Ch. / Freq.		
Channel				1702.5				
Frequency (MHz)								
15	PQ2 BPSK	1	1	21.11			22.4	0.0
15	PQ2 BPSK	1	49	21.11				
15	PQ2 BPSK	1	77	21.03				
15	PQ2 BPSK	36	0	21.12			22.4	0.0
15	PQ2 BPSK	36	22	21.09			22.4	0.0
15	PQ2 BPSK	36	43	21.08			22.4	0.0
15	PQ2 BPSK	75	0	21.05				
15	QPSK	1	1	21.15				
15	QPSK	1	49	21.03			22.4	0.0
15	QPSK	1	77	21.05				
15	QPSK	36	0	21.06			22.0	0.4
15	QPSK	36	22	21.09			22.4	0.0
15	QPSK	36	43	20.96			22.0	0.4
15	QPSK	72	0	21.14				
15	16QAM	1	1	21.08			22.0	0.4
15	64QAM	1	1	19.76			20.5	1.9
15	256QAM	1	1	17.67			18.5	3.0
Channel				340200	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.02	21.03	20.99	22.4	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.01	21.08	21.02	22.4	0.0



n38 DS12_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	13.96	14.02	13.91		
30	PI2 BPSK	1	40	14.05	14.07	14.08	14.9	0.0
30	PI2 BPSK	1	76	13.91	13.91	13.77		
30	PI2 BPSK	36	0	14.07	14.01	13.94	14.9	0.0
30	PI2 BPSK	36	21	13.96	14.01	14.04	14.9	0.0
30	PI2 BPSK	36	42	13.94	14.09	13.93	14.9	0.0
30	PI2 BPSK	75	0	13.91	14.00	14.00		
30	QPSK	1	1	14.09	14.19	14.05		
30	QPSK	1	40	13.91	13.94	13.92	14.9	0.0
30	QPSK	1	76	13.95	14.07	13.89		
30	QPSK	36	0	13.91	14.04	13.74	14.9	0.0
30	QPSK	36	21	14.05	14.14	13.90	14.9	0.0
30	QPSK	36	42	13.95	13.88	14.02	14.9	0.0
30	QPSK	75	0	14.04	14.05	13.89		
30	16QAM	1	1	13.90	13.97	13.88	14.9	0.0
30	64QAM	1	1	13.98	14.14	13.97	14.9	0.0
30	256QAM	1	1	13.96	13.95	13.76	14.9	0.0
Channel				515004	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	14.05	14.16	13.99	14.9	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2577.51	2595	2612.49		
20	QPSK	1	1	14.00	14.14	13.96	14.9	0.0
Channel				515002	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	14.06	14.13	13.87	14.9	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	14.00	14.17	13.95	14.9	0.0

n41 DS12_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	528990		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	13.96	14.08	14.01		
100	PI2 BPSK	1	137	14.15	14.09	14.12	14.9	0.0
100	PI2 BPSK	1	271	13.94	14.01	13.87		
100	PI2 BPSK	135	0	14.13	14.11	14.04	14.9	0.0
100	PI2 BPSK	135	69	14.04	14.09	14.05	14.9	0.0
100	PI2 BPSK	135	138	14.01	14.12	13.99	14.9	0.0
100	PI2 BPSK	270	0	14.00	14.07	14.04		
100	QPSK	1	1	14.11	14.22	14.10		
100	QPSK	1	137	13.97	14.02	13.99	14.9	0.0
100	QPSK	1	271	13.99	14.13	13.95		
100	QPSK	135	0	13.98	14.05	13.85	14.9	0.0
100	QPSK	135	69	14.10	14.16	13.94	14.9	0.0
100	QPSK	135	138	13.98	14.08	14.07	14.9	0.0
100	QPSK	270	0	14.09	14.11	13.98		
100	16QAM	1	1	13.96	14.04	13.98	14.9	0.0
100	64QAM	1	1	14.06	14.15	14.01	14.9	0.0
100	256QAM	1	1	13.90	14.04	13.85	14.9	0.0
Channel				510000	518998	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.08	14.09	13.96	14.9	0.0
Channel				507004	518998	529998		
Frequency (MHz)				2538.02	2592.99	2648.99		
80	QPSK	1	1	14.05	14.16	13.97	14.9	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	14.03	14.15	14.05	14.9	0.0
Channel				505000	518998	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.00	14.09	14.08	14.9	0.0
Channel				505004	518998	532996		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.03	14.13	14.03	14.9	0.0
Channel				503002	518998	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.05	14.14	14.02	14.9	0.0
Channel				502000	518998	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	14.02	14.09	14.00	14.9	0.0
Channel				501004	518998	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.08	14.17	13.98	14.9	0.0



n41 PC2 DSI2_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526994			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	16.55	16.74	16.84			
100	PI2 BPSK	1	137	16.69	16.73	16.84	17.9	0.0	
100	PI2 BPSK	1	271	16.71	16.68	16.55			
100	PI2 BPSK	135	0	16.60	16.77	16.83	17.9	0.0	
100	PI2 BPSK	135	69	16.72	16.76	16.71	17.9	0.0	
100	PI2 BPSK	135	138	16.60	16.75	16.69	17.9	0.0	
100	PI2 BPSK	270	0	16.75	16.76	16.62			
100	QPSK	1	1	16.73	16.87	16.74			
100	QPSK	1	137	16.56	16.81	16.66	17.9	0.0	
100	QPSK	1	271	16.55	16.68	16.62			
100	QPSK	135	0	16.56	16.71	16.64	17.9	0.0	
100	QPSK	135	69	16.72	16.85	16.67	17.9	0.0	
100	QPSK	135	138	16.63	16.72	16.75	17.9	0.0	
100	QPSK	270	0	16.71	16.91	16.67			
100	16QAM	1	1	16.60	16.78	16.70	17.9	0.0	
100	16QAM	1	1	16.68	16.66	16.84	17.9	0.0	
100	256QAM	1	1	16.55	16.66	16.46	17.9	0.0	
Channel				506203	516599	526995	Tune-up limit	MPR	
Frequency (MHz)				2641	2592.99	2644.98			
80	QPSK	1	1	16.64	16.86	16.84	17.9	0.0	
Channel				507204	516598	526998	Tune-up limit	MPR	
Frequency (MHz)				2628.02	2592.99	2640.98			
80	QPSK	1	1	16.68	16.83	16.83	17.9	0.0	
Channel				506202	516598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.59	16.81	16.73	17.9	0.0	
Channel				505200	516598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.62	16.78	16.62	17.9	0.0	
Channel				505203	516599	532000	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.61	16.76	16.66	17.9	0.0	
Channel				505202	516598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.69	16.86	16.70	17.9	0.0	
Channel				502200	516598	534999	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.68	16.74	16.63	17.9	0.0	
Channel				501203	516598	535999	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.62	16.82	16.73	17.9	0.0	

n48 Part96 DSI2_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3570	3524.99	3579.98			
40	PI2 BPSK	1	1	16.60	17.02	16.96			
40	PI2 BPSK	1	53	16.94	17.01	16.89	18.5	0.0	
40	PI2 BPSK	1	104	16.80	16.95	16.85			
40	PI2 BPSK	50	0	16.78	16.92	16.90	18.5	0.0	
40	PI2 BPSK	50	26	16.94	17.03	16.91	18.5	0.0	
40	PI2 BPSK	50	66	16.94	17.06	16.91	18.5	0.0	
40	PI2 BPSK	100	0	16.91	17.05	16.96			
40	QPSK	1	1	17.02	17.17	17.05			
40	QPSK	1	53	17.04	17.06	16.91	18.5	0.0	
40	QPSK	1	104	17.03	17.06	16.94			
40	QPSK	50	0	16.96	17.00	16.95	18.5	0.0	
40	QPSK	50	26	16.96	17.07	16.98	18.5	0.0	
40	QPSK	50	56	16.94	17.04	16.90	18.5	0.0	
40	QPSK	100	0	16.95	16.92	16.90			
40	16QAM	1	1	16.98	17.05	16.97	18.5	0.0	
40	16QAM	1	1	16.96	17.03	16.86	18.5	0.0	
40	256QAM	1	1	16.62	16.96	16.90	18.5	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3565.02	3524.99	3584.98			
30	QPSK	1	1	16.96	17.12	16.97	18.5	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3560.03	3524.99	3580			
20	QPSK	1	1	16.98	17.11	16.99	18.5	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3524.99	3584.98			
10	QPSK	1	1	16.95	17.10	17.00	18.5	0.0	



Part270 n77 DS12_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 656000	Power High Ch. Freq. 663000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	15.95	16.03	16.06		
100	Pi2 BPSK	1	137	15.96	16.12	16.00	17.2	0.0
100	Pi2 BPSK	1	271	16.07	16.13	15.99		
100	Pi2 BPSK	135	0	15.99	16.10	15.96	17.2	0.0
100	Pi2 BPSK	135	69	16.04	16.10	15.96	17.2	0.0
100	Pi2 BPSK	135	138	15.99	16.12	16.08	17.2	0.0
100	Pi2 BPSK	270	0	16.09	16.13	15.97		
100	QPSK	1	1	16.07	16.28	16.16		
100	QPSK	1	137	16.03	16.10	16.00	17.2	0.0
100	QPSK	1	271	15.99	16.11	15.94		
100	QPSK	135	0	15.90	16.06	16.01	17.2	0.0
100	QPSK	135	69	16.09	16.16	16.02	17.2	0.0
100	QPSK	135	138	15.91	16.04	15.96	17.2	0.0
100	QPSK	270	0	16.06	16.16	16.11		
100	16QAM	1	1	16.01	16.08	16.00	17.2	0.0
100	16QAM	1	1	16.01	16.10	16.00	17.2	0.0
100	256QAM	1	1	15.99	15.99	15.84	17.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.04	16.24	16.09	17.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.00	16.24	16.09	17.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.05	16.25	16.10	17.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.03	16.18	16.07	17.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.99	16.24	16.09	17.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.04	16.22	16.08	17.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.04	16.22	16.08	17.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.98	16.24	16.07	17.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.01	16.22	16.06	17.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.05	16.19	16.06	17.2	0.0

Part270 n77 PC2 DS12_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 656000	Power High Ch. Freq. 663000	Tune-up limit (dBm)	MPR (dB)
Channel A								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.26	19.35	19.32		
100	Pi2 BPSK	1	137	19.08	19.24	19.21	20.2	0.0
100	Pi2 BPSK	1	271	19.16	19.33	19.26		
100	Pi2 BPSK	135	0	19.33	19.35	19.23	20.2	0.0
100	Pi2 BPSK	135	69	19.21	19.27	19.23	20.2	0.0
100	Pi2 BPSK	135	138	19.13	19.30	19.13	20.2	0.0
100	Pi2 BPSK	270	0	19.18	19.24	19.15		
100	QPSK	1	1	19.24	19.47	19.34		
100	QPSK	1	137	19.26	19.37	19.30	20.2	0.0
100	QPSK	1	271	19.17	19.34	19.29		
100	QPSK	135	0	19.19	19.23	19.16	20.2	0.0
100	QPSK	135	69	19.27	19.38	19.28	20.2	0.0
100	QPSK	135	138	19.14	19.30	19.17	20.2	0.0
100	QPSK	270	0	19.20	19.33	19.26		
100	16QAM	1	1	19.16	19.30	19.13	20.2	0.0
100	16QAM	1	1	19.20	19.36	19.21	20.2	0.0
100	256QAM	1	1	19.13	19.27	19.17	20.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.21	19.45	19.27	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.16	19.40	19.26	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.20	19.40	19.31	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.15	19.44	19.32	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.17	19.39	19.31	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.15	19.39	19.28	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.21	19.43	19.32	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.18	19.42	19.32	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.22	19.39	19.26	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.21	19.38	19.27	20.2	0.0

Part27Q n77 DS12_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 633000	Power Middle Ch. Freq. 633554	Power High Ch. Freq. 634354	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1		350.01			
100	Pi2 BPSK	1	1	16.39				
100	Pi2 BPSK	1	137	16.32			17.2	0.0
100	Pi2 BPSK	1	271	16.36				
100	Pi2 BPSK	135	0	16.41			17.2	0.0
100	Pi2 BPSK	135	69	16.28			17.2	0.0
100	Pi2 BPSK	135	138	16.34			17.2	0.0
100	Pi2 BPSK	270	0	16.30				
100	QPSK	1	1	16.49				
100	QPSK	1	137	16.36			17.2	0.0
100	QPSK	1	271	16.35				
100	QPSK	135	0	16.31			17.2	0.0
100	QPSK	135	69	16.45			17.2	0.0
100	QPSK	135	138	16.32			17.2	0.0
100	QPSK	270	0	16.35				
100	16QAM	1	1	16.31			17.2	0.0
100	16QAM	1	1	16.31			17.2	0.0
100	256QAM	1	1	16.29			17.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.26	16.33	16.34	17.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.23	16.29	16.33	17.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.27	16.32	16.34	17.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.19	16.33	16.37	17.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.21	16.28	16.39	17.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.27	16.32	16.37	17.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.21	16.33	16.38	17.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.23	16.34	16.40	17.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.24	16.27	16.31	17.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.18	16.31	16.36	17.2	0.0



Part27Q n77 PC2 DSI2_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		19.15			
100	PI2 BPSK	1	271		19.02		20.2	0.0
100	PI2 BPSK	135	0		19.38			
100	PI2 BPSK	135	69		19.07		20.2	0.0
100	PI2 BPSK	135	138		19.22		20.2	0.0
100	PI2 BPSK	270	0		19.27		20.2	0.0
100	PI2 BPSK	270	0		19.17			
100	QPSK	1	1		19.05			
100	QPSK	1	137		19.22		20.2	0.0
100	QPSK	1	271		19.25			
100	QPSK	135	0		19.14		20.2	0.0
100	QPSK	135	69		19.51		20.2	0.0
100	QPSK	135	138		19.24		20.2	0.0
100	QPSK	270	0		19.02			
100	16QAM	1	1		19.16		20.2	0.0
100	64QAM	1	1		19.05		20.2	0.0
100	256QAM	1	1		19.06		20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.25	19.14	19.20	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3498.02	3500.01	3502	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.29	19.19	19.19	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.28	19.15	19.18	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631805	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.29	19.20	19.16	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3478.01	3500.01	3528.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.29	19.19	19.20	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.28	19.20	19.19	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3461.5	3500.01	3542.5	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.26	19.19	19.18	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3452.01	3500.01	3542.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.31	19.15	19.20	20.2	0.0



Part270 n78 DSI2_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)								
100	PI2 BPSK	1	1	15.34				
100	PI2 BPSK	1	137	15.33			17.2	0.0
100	PI2 BPSK	1	271	15.40				
100	PI2 BPSK	135	0	15.43			17.2	0.0
100	PI2 BPSK	135	69	15.30			17.2	0.0
100	PI2 BPSK	135	138	15.43			17.2	0.0
100	PI2 BPSK	270	0	15.34			17.2	0.0
100	QPSK	1	1	15.46				
100	QPSK	1	137	15.36			17.2	0.0
100	QPSK	1	271	15.38				
100	QPSK	135	0	15.35			17.2	0.0
100	QPSK	135	69	15.39			17.2	0.0
100	QPSK	135	138	15.30			17.2	0.0
100	QPSK	270	0	15.38			17.2	0.0
100	16QAM	1	1	15.43			17.2	0.0
100	64QAM	1	1	15.41			17.2	0.0
100	256QAM	1	1	15.30			17.2	0.0
Channel				64968	65000	65034	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	15.29	15.34	15.26	17.2	0.0
Channel				64934	65000	65068	Tune-up limit	MPR
Frequency (MHz)				3749.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	15.28	15.42	15.27	17.2	0.0
Channel				64900	65000	65100	Tune-up limit	MPR
Frequency (MHz)				3743.02	3750	3755	(dBm)	(dB)
70	QPSK	1	1	15.39	15.43	15.20	17.2	0.0
Channel				64868	65000	65134	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	15.32	15.33	15.25	17.2	0.0
Channel				64834	65000	65200	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	15.28	15.39	15.22	17.2	0.0
Channel				64800	65000	65300	Tune-up limit	MPR
Frequency (MHz)				3720.02	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.32	15.43	15.21	17.2	0.0
Channel				64768	65000	65234	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	15.28	15.35	15.27	17.2	0.0
Channel				64734	65000	65268	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	15.37	15.38	15.30	17.2	0.0
Channel				64700	65000	65284	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	15.35	15.43	15.27	17.2	0.0
Channel				64700	65000	65300	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	15.33	15.37	15.28	17.2	0.0

Part270 n78 PC2 DSI2_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)								
100	PI2 BPSK	1	1	18.21				
100	PI2 BPSK	1	137	18.29			20.2	0.0
100	PI2 BPSK	1	271	18.26				
100	PI2 BPSK	135	0	18.21			20.2	0.0
100	PI2 BPSK	135	69	18.31			20.2	0.0
100	PI2 BPSK	135	138	18.21			20.2	0.0
100	PI2 BPSK	270	0	18.24			20.2	0.0
100	QPSK	1	1	18.44				
100	QPSK	1	137	18.22			20.2	0.0
100	QPSK	1	271	18.21				
100	QPSK	135	0	18.26			20.2	0.0
100	QPSK	135	69	18.28			20.2	0.0
100	QPSK	135	138	18.21			20.2	0.0
100	QPSK	270	0	18.23			20.2	0.0
100	16QAM	1	1	18.22			20.2	0.0
100	64QAM	1	1	18.21			20.2	0.0
100	256QAM	1	1	18.21			20.2	0.0
Channel				64968	65000	65034	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	18.28	18.27	18.21	20.2	0.0
Channel				64934	65000	65068	Tune-up limit	MPR
Frequency (MHz)				3749.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	18.28	18.27	18.21	20.2	0.0
Channel				64900	65000	65100	Tune-up limit	MPR
Frequency (MHz)				3743.02	3750	3755	(dBm)	(dB)
70	QPSK	1	1	18.21	18.27	18.21	20.2	0.0
Channel				64868	65000	65134	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.21	18.21	18.21	20.2	0.0
Channel				64834	65000	65200	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	18.21	18.21	18.21	20.2	0.0
Channel				64800	65000	65300	Tune-up limit	MPR
Frequency (MHz)				3720.02	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.26	18.22	18.21	20.2	0.0
Channel				64768	65000	65234	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	18.29	18.22	18.21	20.2	0.0
Channel				64734	65000	65268	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	18.24	18.23	18.21	20.2	0.0
Channel				64700	65000	65284	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	18.23	18.21	18.21	20.2	0.0
Channel				64700	65000	65300	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	18.22	18.22	18.21	20.2	0.0

Part27Q n78 DSI2_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01				
Frequency (MHz)								
100	PI2 BPSK	1	1	15.72				
100	PI2 BPSK	1	137	15.82			17.2	0.0
100	PI2 BPSK	1	271	15.73				
100	PI2 BPSK	135	0	15.88			17.2	0.0
100	PI2 BPSK	135	69	15.83			17.2	0.0
100	PI2 BPSK	135	138	15.88			17.2	0.0
100	PI2 BPSK	270	0	15.70			17.2	0.0
100	QPSK	1	1	15.77				
100	QPSK	1	137	15.66			17.2	0.0
100	QPSK	1	271	15.60				
100	QPSK	135	0	15.82			17.2	0.0
100	QPSK	135	69	15.73			17.2	0.0
100	QPSK	135	138	15.88			17.2	0.0
100	QPSK	270	0	15.64			17.2	0.0
100	16QAM	1	1	15.82			17.2	0.0
100	64QAM	1	1	15.80			17.2	0.0
100	256QAM	1	1	15.57			17.2	0.0
Channel				63300	63368	63398	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.04	15.56	15.59	17.2	0.0
Channel				63268	63334	63400	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	15.59	15.52	15.55	17.2	0.0
Channel				63234	63334	63434	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.08	15.58	15.50	17.2	0.0
Channel				63200	63334	63468	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.60	15.61	15.55	17.2	0.0
Channel				63166	63334	63500	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	15.07	15.52	15.59	17.2	0.0
Channel				63134	63334	63534	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	15.06	15.54	15.57	17.2	0.0
Channel				63100	63334	63568	Tune-up limit	MPR
Frequency (MHz)				3465.02	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	15.09	15.54	15.50	17.2	0.0
Channel				63068	63334	63600	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.56	15.52	15.55	17.2	0.0
Channel				63034	63334	63634	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
15	QPSK	1	1	15.60	15.60	15.51	17.2	0.0
Channel				63000	63334	63668	Tune-up limit	MPR
Frequency (MHz)				3450.01	3500.01	3550.01	(dBm)	(dB)
10	QPSK	1	1	15.58	15.57	15.59	17.2	0.0



Part27Q n78 PC2 DSI2_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		18.51			
100	PI2 BPSK	1	271		18.46		20.2	0.0
100	PI2 BPSK	135	0		18.35		20.2	0.0
100	PI2 BPSK	135	69		18.51		20.2	0.0
100	PI2 BPSK	135	138		18.29		20.2	0.0
100	PI2 BPSK	270	0		18.26			
100	QPSK	1	1		18.71			
100	QPSK	1	137		18.36		20.2	0.0
100	QPSK	1	271		18.56			
100	QPSK	135	0		18.31		20.2	0.0
100	QPSK	135	69		18.47		20.2	0.0
100	QPSK	135	138		18.34		20.2	0.0
100	QPSK	270	0		18.38			
100	16QAM	1	1		18.49		20.2	0.0
100	64QAM	1	1		18.40		20.2	0.0
100	256QAM	1	1		18.37		20.2	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	18.55	18.49	18.52	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3510		
80	QPSK	1	1	18.53	18.47	18.43	20.2	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	18.47	18.44	18.49	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	18.57	18.44	18.50	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631168	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	18.51	18.46	18.46	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3478.01	3500.01	3528.01		
40	QPSK	1	1	18.55	18.55	18.45	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	18.48	18.53	18.51	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	18.51	18.43	18.44	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	18.55	18.50	18.44	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	18.50	18.44	18.48	20.2	0.0



n2 DSI2_Standalone Ant 3									
BW (MHz)	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)				1860	1880	1900			
20	PI2 BPSK	1	1	18.48	18.52	18.48			
20	PI2 BPSK	1	53	18.60	18.60	18.50	19.8	0.0	
20	PI2 BPSK	1	104	18.80	18.83	18.58			
20	PI2 BPSK	50	0	18.37	18.51	18.41	19.8	0.0	
20	PI2 BPSK	50	28	18.46	18.60	18.48	19.8	0.0	
20	PI2 BPSK	50	56	18.55	18.57	18.51	19.8	0.0	
20	PI2 BPSK	100	0	18.47	18.55	18.52			
20	QPSK	1	1	18.57	18.65	18.63			
20	QPSK	1	53	18.41	18.51	18.38	19.8	0.0	
20	QPSK	1	104	18.46	18.48	18.37			
20	QPSK	50	0	18.48	18.53	18.40	19.8	0.0	
20	QPSK	50	28	18.55	18.60	18.52	19.8	0.0	
20	QPSK	50	56	18.47	18.56	18.43	19.8	0.0	
20	QPSK	100	0	18.52	18.56	18.48			
20	16QAM	1	1	18.54	18.60	18.49	19.8	0.0	
20	64QAM	1	1	18.48	18.55	18.40	19.8	0.0	
20	256QAM	1	1	18.44	18.54	18.45	19.8	0.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	18.46	18.57	18.52	19.8	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.43	18.60	18.49	19.8	0.0	
Channel									
Frequency (MHz)				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	18.42	18.63	18.47	19.8	0.0	

n7 DSI2_Standalone Ant 3									
BW (MHz)	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)				2520	2535	2550			
40	PI2 BPSK	1	1	17.99	18.10	18.06			
40	PI2 BPSK	1	108	17.90	17.97	17.90	18.9	0.0	
40	PI2 BPSK	1	214	17.97	18.07	18.03			
40	PI2 BPSK	108	0	17.80	17.92	17.85	18.9	0.0	
40	PI2 BPSK	108	54	17.74	17.85	17.80	18.9	0.0	
40	PI2 BPSK	108	108	17.95	18.00	17.96	18.9	0.0	
40	PI2 BPSK	216	0	17.80	17.89	17.73			
40	QPSK	1	1	18.07	18.15	18.03			
40	QPSK	1	108	17.76	17.85	17.83	18.9	0.0	
40	QPSK	1	214	17.92	17.98	17.84			
40	QPSK	108	0	17.86	17.94	17.79	18.9	0.0	
40	QPSK	108	54	17.86	17.96	17.85	18.9	0.0	
40	QPSK	108	108	17.89	17.81	17.89	18.9	0.0	
40	QPSK	216	0	17.76	17.80	17.81			
40	16QAM	1	1	17.66	17.78	17.74	18.9	0.0	
40	64QAM	1	1	17.78	17.82	17.79	18.9	0.0	
40	256QAM	1	1	17.68	17.76	17.73	18.9	0.0	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.03	18.03	17.89	18.9	0.0	
Channel									
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.01	18.03	17.97	18.9	0.0	
Channel									
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	18.04	18.10	17.94	18.9	0.0	
Channel									
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.01	17.99	17.90	18.9	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.05	18.09	17.89	18.9	0.0	
Channel									
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	18.04	18.09	17.88	18.9	0.0	

n25 DSI2_Standalone Ant 3									
BW (MHz)	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)				1870	1822.5	1895			
40	PI2 BPSK	1	1	18.40	18.55	18.44			
40	PI2 BPSK	1	108	18.49	18.54	18.42	19.8	0.0	
40	PI2 BPSK	1	214	18.39	18.52	18.43			
40	PI2 BPSK	108	0	18.55	18.62	18.51	19.8	0.0	
40	PI2 BPSK	108	54	18.51	18.58	18.52	19.8	0.0	
40	PI2 BPSK	108	108	18.54	18.59	18.43	19.8	0.0	
40	PI2 BPSK	216	0	18.45	18.55	18.48			
40	QPSK	1	1	18.52	18.69	18.57			
40	QPSK	1	108	18.51	18.63	18.52	19.8	0.0	
40	QPSK	1	214	18.46	18.55	18.51			
40	QPSK	108	0	18.55	18.62	18.55	19.8	0.0	
40	QPSK	108	54	18.47	18.54	18.44	19.8	0.0	
40	QPSK	108	108	18.51	18.57	18.42	19.8	0.0	
40	QPSK	216	0	18.40	18.57	18.41			
40	16QAM	1	1	18.40	18.42	18.33	19.8	0.0	
40	64QAM	1	1	18.43	18.55	18.45	19.8	0.0	
40	256QAM	1	1	18.41	18.48	18.44	19.8	0.0	
Channel									
Frequency (MHz)				1865	1822.5	1900			
30	QPSK	1	1	18.42	18.57	18.45	19.8	0.0	
Channel									
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.50	18.54	18.43	19.8	0.0	
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.44	18.52	18.50	19.8	0.0	
Channel									
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.57	18.48	18.53	19.8	0.0	
Channel									
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.44	18.51	18.45	19.8	0.0	
Channel									
Frequency (MHz)				1826.5	1822.5	1912.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	18.46	18.56	18.44	19.8	0.0	



n30 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	18.80					
10	PI2 BPSK	1	26	18.82			20.0	0.0	
10	PI2 BPSK	1	50	18.88					
10	PI2 BPSK	25	0	18.75			20.0	0.0	
10	PI2 BPSK	25	14	18.73			20.0	0.0	
10	PI2 BPSK	25	27	18.70			20.0	0.0	
10	PI2 BPSK	50	0	18.71					
10	QPSK	1	1	18.89					
10	QPSK	1	26	18.76			20.0	0.0	
10	QPSK	1	50	18.84					
10	QPSK	25	0	18.71			20.0	0.0	
10	QPSK	25	14	18.68			20.0	0.0	
10	QPSK	25	27	18.69			20.0	0.0	
10	QPSK	50	0	18.70					
10	16QAM	1	1	18.63			20.0	0.0	
10	64QAM	1	1	18.54			20.0	0.0	
10	256QAM	1	1	18.62			20.0	0.0	
Channel				481500	492500	482500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	18.67	18.70	18.64	20.0	0.0	

n66 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000					
Frequency (MHz)				1725					
40	PI2 BPSK	1	1	19.18	19.20	19.18			
40	PI2 BPSK	1	108	19.01	19.13	19.03	20.6	0.0	
40	PI2 BPSK	1	214	19.09	19.15	19.09			
40	PI2 BPSK	108	0	19.21	19.25	19.19	20.6	0.0	
40	PI2 BPSK	108	54	19.06	19.06	19.06	20.6	0.0	
40	PI2 BPSK	108	108	19.14	19.24	19.21			
40	PI2 BPSK	216	0	19.11	19.23	19.12	20.6	0.0	
40	QPSK	1	1	19.30	19.32	19.27			
40	QPSK	1	108	19.03	19.10	19.04	20.6	0.0	
40	QPSK	1	214	19.05	19.14	19.06			
40	QPSK	108	0	19.12	19.20	19.20	20.6	0.0	
40	QPSK	108	54	19.06	19.12	18.99	20.6	0.0	
40	QPSK	108	108	19.04	19.21	19.17	20.6	0.0	
40	QPSK	216	0	19.13	19.21	19.11			
40	16QAM	1	1	19.20	19.26	19.14	20.6	0.0	
40	64QAM	1	1	19.16	19.30	19.16	20.6	0.0	
40	256QAM	1	1	19.10	19.21	19.15	20.6	0.0	
Channel				345500	349000	345500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.20	19.18	19.24	20.6	0.0	
Channel				344000	349000	344000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	19.23	19.18	19.22	20.6	0.0	
Channel				343500	349000	343500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
15	QPSK	1	1	19.14	19.21	19.14	20.6	0.0	
Channel				343000	349000	343000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.10	19.24	19.15	20.6	0.0	
Channel				342500	349000	342500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.18	19.23	19.15	20.6	0.0	

n70 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000					
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1	21.01					
15	PI2 BPSK	1	40	20.93			22.2	0.0	
15	PI2 BPSK	1	77	21.01					
15	PI2 BPSK	36	0	20.90			22.2	0.0	
15	PI2 BPSK	36	22	20.99			22.2	0.0	
15	PI2 BPSK	36	43	20.85					
15	PI2 BPSK	75	0	20.84			22.2	0.0	
15	QPSK	1	1	21.02					
15	QPSK	1	40	20.98			22.2	0.0	
15	QPSK	1	77	20.95					
15	QPSK	36	0	20.86			22.2	0.0	
15	QPSK	36	22	20.99			22.2	0.0	
15	QPSK	36	43	20.88			22.2	0.0	
15	QPSK	75	0	20.85					
15	16QAM	1	1	20.83			22.2	0.0	
15	64QAM	1	1	20.71			21.5	0.7	
15	256QAM	1	1	20.70			19.5	2.7	
Channel				340000	345000	340000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	20.89	20.99	20.89	22.2	0.0	
Channel				339500	345000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	20.98	20.99	20.96	22.2	0.0	



n38 DS12_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	PI2 BPSK	1	1	17.52	17.69	17.68			
30	PI2 BPSK	1	40	17.56	17.63	17.59	18.4	0.0	
30	PI2 BPSK	1	76	17.55	17.68	17.63			
30	PI2 BPSK	36	0	17.56	17.58	17.47	18.4	0.0	
30	PI2 BPSK	36	21	17.49	17.53	17.49	18.4	0.0	
30	PI2 BPSK	36	42	17.40	17.54	17.42	18.4	0.0	
30	PI2 BPSK	75	0	17.43	17.58	17.43			
30	QPSK	1	1	17.56	17.72	17.64			
30	QPSK	1	40	17.45	17.62	17.57	18.4	0.0	
30	QPSK	1	76	17.55	17.67	17.60			
30	QPSK	36	0	17.47	17.61	17.46	18.4	0.0	
30	QPSK	36	21	17.59	17.66	17.55	18.4	0.0	
30	QPSK	36	42	17.44	17.60	17.49	18.4	0.0	
30	QPSK	72	0	17.45	17.65	17.52			
30	16QAM	1	1	17.65	17.69	17.59	18.4	0.0	
30	64QAM	1	1	17.48	17.64	17.49	18.4	0.0	
30	256QAM	1	1	17.51	17.65	17.40	18.4	0.0	
Channel				515004	519000	521006			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.53	17.62	17.61	18.4	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2588	2595	2610			
20	QPSK	1	1	17.47	17.65	17.57	18.4	0.0	
Channel				515002	519000	524008			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.40	17.60	17.47	18.4	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.46	17.56	17.54	18.4	0.0	

n41 DS12_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518998	528990			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	17.16	17.35	17.29			
100	PI2 BPSK	1	137	17.25	17.28	17.12	18.4	0.0	
100	PI2 BPSK	1	271	17.20	17.35	17.27			
100	PI2 BPSK	135	0	17.23	17.30	17.23	18.4	0.0	
100	PI2 BPSK	135	69	17.22	17.28	17.16	18.4	0.0	
100	PI2 BPSK	135	138	17.11	17.26	17.12			
100	PI2 BPSK	270	0	17.10	17.22	17.09	18.4	0.0	
100	QPSK	1	1	17.33	17.37	17.34			
100	QPSK	1	137	17.25	17.31	17.25	18.4	0.0	
100	QPSK	1	271	17.20	17.27	17.22			
100	QPSK	135	0	17.17	17.20	17.10	18.4	0.0	
100	QPSK	135	69	17.23	17.25	17.08	18.4	0.0	
100	QPSK	135	138	17.15	17.21	17.08	18.4	0.0	
100	QPSK	270	0	17.02	17.15	17.05			
100	16QAM	1	1	17.14	17.30	17.24	18.4	0.0	
100	64QAM	1	1	17.14	17.21	17.19	18.4	0.0	
100	256QAM	1	1	17.10	17.23	17.10	18.4	0.0	
Channel				515000	518998	529998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.27	17.28	17.27	18.4	0.0	
Channel				507204	518998	529998			
Frequency (MHz)				2638.02	2692.99	2648.99			
80	QPSK	1	1	17.16	17.31	17.23	18.4	0.0	
Channel				506002	518998	531000			
Frequency (MHz)				2531.01	2592.99	2650			
70	QPSK	1	1	17.24	17.25	17.23	18.4	0.0	
Channel				505000	518998	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.25	17.24	17.27	18.4	0.0	
Channel				505004	518998	532996			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.23	17.32	17.20	18.4	0.0	
Channel				503002	518998	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.25	17.35	17.26	18.4	0.0	
Channel				502000	518998	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.23	17.24	17.20	18.4	0.0	
Channel				501004	518998	535996			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.20	17.25	17.18	18.4	0.0	



n41 PC2 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526900			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	20.21	20.37	20.23			
100	PI2 BPSK	1	137	20.19	20.29	20.18	21.4	0.0	
100	PI2 BPSK	1	271	20.18	20.30	20.23			
100	PI2 BPSK	135	0	20.22	20.26	20.16	21.4	0.0	
100	PI2 BPSK	135	69	20.22	20.26	20.13	21.4	0.0	
100	PI2 BPSK	135	138	20.17	20.29	20.20	21.4	0.0	
100	PI2 BPSK	270	0	20.15	20.24	20.14			
100	QPSK	1	1	20.31	20.40	20.26			
100	QPSK	1	197	20.18	20.27	20.24	21.4	0.0	
100	QPSK	1	271	20.31	20.30	20.22			
100	QPSK	135	0	20.20	20.25	20.18	21.4	0.0	
100	QPSK	135	69	20.23	20.29	20.19	21.4	0.0	
100	QPSK	135	138	20.09	20.20	20.06	21.4	0.0	
100	QPSK	270	0	20.16	20.26	20.11			
100	16QAM	1	1	20.12	20.29	20.18	21.4	0.0	
100	64QAM	1	1	20.08	20.18	20.10	21.4	0.0	
100	256QAM	1	1	20.01	20.11	20.06	21.4	0.0	
Channel				532003	531604	529999	Tune-up limit	MPR	
Frequency (MHz)				2641	2592.99	2644.98	(dBm)	(dB)	
80	QPSK	1	1	20.16	20.31	20.15	21.4	0.0	
Channel				507204	516598	525999	Tune-up limit	MPR	
Frequency (MHz)				2638.02	2661.99	2664.98	(dBm)	(dB)	
80	QPSK	1	1	20.25	20.37	20.18	21.4	0.0	
Channel				506202	516598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2693	(dBm)	(dB)	
70	QPSK	1	1	20.16	20.24	20.23	21.4	0.0	
Channel				502000	516598	531999	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	20.29	20.28	20.11	21.4	0.0	
Channel				532003	531604	529999	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	20.17	20.27	20.13	21.4	0.0	
Channel				503002	516598	534000	Tune-up limit	MPR	
Frequency (MHz)				2518.01	2602.99	2670	(dBm)	(dB)	
40	QPSK	1	1	20.24	20.27	20.18	21.4	0.0	
Channel				502000	516598	534999	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	20.15	20.28	20.21	21.4	0.0	
Channel				507204	516598	535999	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	20.21	20.29	20.21	21.4	0.0	

n48 Part96 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	15.97	16.00	15.96			
40	PI2 BPSK	1	53	15.91	15.98	15.83	17.1	0.0	
40	PI2 BPSK	1	104	15.73	15.89	15.75			
40	PI2 BPSK	50	0	15.96	16.01	15.85	17.1	0.0	
40	PI2 BPSK	50	26	15.90	15.98	15.85	17.1	0.0	
40	PI2 BPSK	50	56	15.77	15.93	15.86	17.1	0.0	
40	PI2 BPSK	100	0	15.93	15.95	15.86			
40	QPSK	1	1	15.88	16.05	15.95			
40	QPSK	1	53	15.90	15.94	15.84	17.1	0.0	
40	QPSK	1	104	15.89	15.93	15.75			
40	QPSK	50	0	15.74	15.91	15.77	17.1	0.0	
40	QPSK	50	26	15.85	16.00	15.83	17.1	0.0	
40	QPSK	50	56	15.90	15.96	15.83	17.1	0.0	
40	QPSK	100	0	15.92	15.93	15.90			
40	16QAM	1	1	15.88	15.89	15.74	17.1	0.0	
40	64QAM	1	1	15.89	15.98	15.83	17.1	0.0	
40	256QAM	1	1	15.73	15.87	15.71	17.1	0.0	
Channel				637000	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3565.02	3624.99	3684.98	(dBm)	(dB)	
30	QPSK	1	1	15.73	15.94	15.82	17.1	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3569.03	3624.99	3680	(dBm)	(dB)	
20	QPSK	1	1	15.83	15.89	15.81	17.1	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3624.99	3684.98	(dBm)	(dB)	
10	QPSK	1	1	15.71	15.98	15.79	17.1	0.0	



Part270 n77 DS12_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.17	16.22	16.22		
100	PI2 BPSK	1	137	16.18	16.30	16.22	16.8	0.0
100	PI2 BPSK	1	271	15.88	16.04	15.95		
100	PI2 BPSK	135	0	16.24	16.31	16.27	16.8	0.0
100	PI2 BPSK	135	69	16.14	16.25	16.12	16.8	0.0
100	PI2 BPSK	135	138	16.01	16.06	15.99	16.8	0.0
100	PI2 BPSK	270	0	16.08	16.22	16.06		
100	QPSK	1	1	16.24	16.32	16.26		
100	QPSK	1	137	16.08	16.24	16.10	16.8	0.0
100	QPSK	1	271	15.99	16.05	15.98		
100	QPSK	135	0	16.11	16.19	16.11	16.8	0.0
100	QPSK	135	69	16.11	16.26	16.21	16.8	0.0
100	QPSK	135	138	16.08	16.12	16.08	16.8	0.0
100	QPSK	270	0	16.03	16.14	15.97		
100	16QAM	1	1	16.19	16.28	16.21	16.8	0.0
100	64QAM	1	1	16.13	16.18	16.10	16.8	0.0
100	256QAM	1	1	15.99	16.11	15.96	16.8	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.18	16.21	16.18	16.8	0.0
Channel								
Frequency (MHz)				649334	650000	650666		
80	QPSK	1	1	16.21	16.27	16.17	16.8	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	16.12	16.23	16.21	16.8	0.0
Channel								
Frequency (MHz)				648968	650000	650334		
60	QPSK	1	1	16.17	16.21	16.21	16.8	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.21	16.23	16.16	16.8	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	16.20	16.20	16.12	16.8	0.0
Channel								
Frequency (MHz)				647668	650000	650334		
30	QPSK	1	1	16.10	16.18	16.13	16.8	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.19	16.24	16.15	16.8	0.0
Channel								
Frequency (MHz)				647160	650000	650334		
15	QPSK	1	1	16.07	16.16	16.10	16.8	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.10	16.16	16.16	16.8	0.0

Part270 n77 PC2_DS12_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.08	16.12	16.07		
100	PI2 BPSK	1	137	16.94	19.10	18.94	19.8	0.0
100	PI2 BPSK	1	271	18.87	19.01	18.89		
100	PI2 BPSK	135	0	18.96	19.08	19.04	19.8	0.0
100	PI2 BPSK	135	69	19.07	19.16	19.00	19.8	0.0
100	PI2 BPSK	135	138	18.93	18.98	18.90	19.8	0.0
100	PI2 BPSK	270	0	18.82	19.07	19.01		
100	QPSK	1	1	19.05	19.18	19.13		
100	QPSK	1	137	19.10	19.14	19.10	19.8	0.0
100	QPSK	1	271	18.94	19.00	18.94		
100	QPSK	135	0	19.05	19.10	18.98	19.8	0.0
100	QPSK	135	69	18.96	19.13	19.06	19.8	0.0
100	QPSK	135	138	18.94	18.98	18.87	19.8	0.0
100	QPSK	270	0	18.96	19.03	18.94		
100	16QAM	1	1	19.00	19.04	18.92	19.8	0.0
100	64QAM	1	1	19.11	19.14	19.08	19.8	0.0
100	256QAM	1	1	18.91	19.02	18.98	19.8	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.02	19.05	19.04	19.8	0.0
Channel								
Frequency (MHz)				649334	650000	650666		
80	QPSK	1	1	19.03	19.05	19.04	19.8	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	18.93	19.09	19.09	19.8	0.0
Channel								
Frequency (MHz)				648968	650000	650334		
60	QPSK	1	1	18.89	19.11	18.98	19.8	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.93	19.14	19.03	19.8	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	18.94	19.13	18.99	19.8	0.0
Channel								
Frequency (MHz)				647668	650000	650334		
30	QPSK	1	1	18.88	19.08	19.00	19.8	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.01	19.02	18.98	19.8	0.0
Channel								
Frequency (MHz)				647160	650000	650334		
15	QPSK	1	1	18.99	19.12	19.10	19.8	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.00	19.08	19.07	19.8	0.0

Part27Q n77 DS12_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			16.41		
100	PI2 BPSK	1	137			16.43	16.8	0.0
100	PI2 BPSK	1	271			16.51		
100	PI2 BPSK	135	0			16.40	16.8	0.0
100	PI2 BPSK	135	69			16.46	16.8	0.0
100	PI2 BPSK	135	138			16.43	16.8	0.0
100	PI2 BPSK	270	0			16.49		
100	QPSK	1	1			16.56		
100	QPSK	1	137			16.50	16.8	0.0
100	QPSK	1	271			16.52		
100	QPSK	135	0			16.41	16.8	0.0
100	QPSK	135	69			16.51	16.8	0.0
100	QPSK	135	138			16.43	16.8	0.0
100	QPSK	270	0			16.53		
100	16QAM	1	1			16.47	16.8	0.0
100	64QAM	1	1			16.51	16.8	0.0
100	256QAM	1	1			16.46	16.8	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	16.40	16.45	16.48	16.8	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	16.43	16.41	16.48	16.8	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	16.49	16.42	16.48	16.8	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	16.50	16.44	16.51	16.8	0.0
Channel								
Frequency (MHz)				3480	3500.01	3520.02		
50	QPSK	1	1	16.52	16.51	16.40	16.8	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	16.39	16.42	16.46	16.8	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	16.40	16.43	16.38	16.8	0.0
Channel								
Frequency (MHz)				3460.02	3500.01	3540.01		
20	QPSK	1	1	16.50	16.39	16.45	16.8	0.0
Channel								
Frequency (MHz)				630000	633334	636334		
15	QPSK	1	1	16.49	16.42	16.50	16.8	0.0
Channel								
Frequency (MHz)				630334	633334	636668		
10	QPSK	1	1	16.51	16.51	16.42	16.8	0.0



Part27Q n77 PC2 DSI2_Standalone Ant 3								
BW [MHz]	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		3500.01			
100	PI2 BPSK	1	137		19.51			
100	PI2 BPSK	1	271		19.58		19.8	0.0
100	PI2 BPSK	135	0		19.44		19.8	0.0
100	PI2 BPSK	135	69		19.53		19.8	0.0
100	PI2 BPSK	135	138		19.50		19.8	0.0
100	PI2 BPSK	270	0		19.53		19.8	0.0
100	QPSK	1	1		19.01			
100	QPSK	1	137		19.44		19.8	0.0
100	QPSK	1	271		19.55		19.8	0.0
100	QPSK	135	0		19.46		19.8	0.0
100	QPSK	135	69		19.48		19.8	0.0
100	QPSK	135	138		19.47		19.8	0.0
100	QPSK	270	0		19.56		19.8	0.0
100	16QAM	1	1		19.45		19.8	0.0
100	64QAM	1	1		19.48		19.8	0.0
100	256QAM	1	1		19.48		19.8	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	19.50	19.57	19.58	19.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3510		
80	QPSK	1	1	19.57	19.54	19.49	19.8	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	19.57	19.44	19.47	19.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	19.45	19.50	19.57	19.8	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	19.52	19.53	19.49	19.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.03	3500.01	3530.03		
40	QPSK	1	1	19.49	19.49	19.51	19.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	19.56	19.51	19.57	19.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	19.57	19.45	19.47	19.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.5		
15	QPSK	1	1	19.53	19.49	19.57	19.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3543.01		
10	QPSK	1	1	19.55	19.57	19.45	19.8	0.0



Part270 n78 DS12_ Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	16.15				
100	PI2 BPSK	1	137	16.08			16.8	0.0
100	PI2 BPSK	1	271	15.93				
100	PI2 BPSK	135	0	16.17			16.8	0.0
100	PI2 BPSK	135	69	16.13			16.8	0.0
100	PI2 BPSK	135	138	15.98			16.8	0.0
100	PI2 BPSK	270	0	16.02			16.8	0.0
100	QPSK	1	1	16.19				
100	QPSK	1	137	16.09			16.8	0.0
100	QPSK	1	271	15.94				
100	QPSK	135	0	16.10			16.8	0.0
100	QPSK	135	69	16.12			16.8	0.0
100	QPSK	135	138	15.92			16.8	0.0
100	QPSK	270	0	16.06			16.8	0.0
100	16QAM	1	1	16.14			16.8	0.0
100	64QAM	1	1	16.10			16.8	0.0
100	256QAM	1	1	16.03			16.8	0.0
Channel								
Frequency (MHz)				64968	65000	65034	Tune-up limit	MPR
Channel				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	16.04	16.17	16.03	16.8	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR
Channel				3745.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	16.11	16.10	16.14	16.8	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR
Channel				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.04	16.15	16.13	16.8	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR
Channel				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	16.10	16.09	16.02	16.8	0.0
Channel								
Frequency (MHz)				64834	65000	65068	Tune-up limit	MPR
Channel				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	16.07	16.13	16.15	16.8	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit	MPR
Channel				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.05	16.17	16.06	16.8	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR
Channel				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	16.08	16.04	16.16	16.8	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR
Channel				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	16.12	16.12	16.04	16.8	0.0
Channel								
Frequency (MHz)				64700	65000	65268	Tune-up limit	MPR
Channel				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	16.05	16.07	16.09	16.8	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
Channel				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	16.16	16.15	16.11	16.8	0.0

Part270 n78 PC2 DS12_ Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	19.12				
100	PI2 BPSK	1	137	19.07			19.8	0.0
100	PI2 BPSK	1	271	19.02				
100	PI2 BPSK	135	0	19.10			19.8	0.0
100	PI2 BPSK	135	69	19.12			19.8	0.0
100	PI2 BPSK	135	138	18.98			19.8	0.0
100	PI2 BPSK	270	0	19.11			19.8	0.0
100	QPSK	1	1	19.14				
100	QPSK	1	137	19.10			19.8	0.0
100	QPSK	1	271	19.00				
100	QPSK	135	0	19.07			19.8	0.0
100	QPSK	135	69	19.09			19.8	0.0
100	QPSK	135	138	19.04			19.8	0.0
100	QPSK	270	0	19.10			19.8	0.0
100	16QAM	1	1	19.13			19.8	0.0
100	64QAM	1	1	19.10			19.8	0.0
100	256QAM	1	1	19.10			19.8	0.0
Channel								
Frequency (MHz)				64968	65000	65034	Tune-up limit	MPR
Channel				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	19.12	19.00	19.10	19.8	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR
Channel				3745.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	19.06	18.98	19.02	19.8	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR
Channel				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.02	19.01	19.00	19.8	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR
Channel				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.99	19.02	19.02	19.8	0.0
Channel								
Frequency (MHz)				64834	65000	65068	Tune-up limit	MPR
Channel				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.03	18.98	19.03	19.8	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit	MPR
Channel				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.03	18.97	19.01	19.8	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR
Channel				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	19.10	19.01	19.11	19.8	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR
Channel				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.10	19.06	19.10	19.8	0.0
Channel								
Frequency (MHz)				64700	65000	65268	Tune-up limit	MPR
Channel				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	19.04	19.07	19.12	19.8	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
Channel				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	19.09	19.07	19.08	19.8	0.0

Part27Q n78 DS12_ Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1	16.45				
100	PI2 BPSK	1	137	16.37			16.8	0.0
100	PI2 BPSK	1	271	16.48				
100	PI2 BPSK	135	0	16.34			16.8	0.0
100	PI2 BPSK	135	69	16.40			16.8	0.0
100	PI2 BPSK	135	138	16.49			16.8	0.0
100	PI2 BPSK	270	0	16.48			16.8	0.0
100	QPSK	1	1	16.51				
100	QPSK	1	137	16.47			16.8	0.0
100	QPSK	1	271	16.43				
100	QPSK	135	0	16.40			16.8	0.0
100	QPSK	135	69	16.48			16.8	0.0
100	QPSK	135	138	16.36			16.8	0.0
100	QPSK	270	0	16.41			16.8	0.0
100	16QAM	1	1	16.47			16.8	0.0
100	64QAM	1	1	16.36			16.8	0.0
100	256QAM	1	1	16.36			16.8	0.0
Channel								
Frequency (MHz)				63300	63354	63398	Tune-up limit	MPR
Channel				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	16.34	16.44	16.48	16.8	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit	MPR
Channel				3495.02	3500.01	3510.01	(dBm)	(dB)
80	QPSK	1	1	16.48	16.47	16.36	16.8	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit	MPR
Channel				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	16.45	16.35	16.41	16.8	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit	MPR
Channel				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	16.47	16.37	16.39	16.8	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit	MPR
Channel				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	16.44	16.48	16.37	16.8	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit	MPR
Channel				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	16.49	16.46	16.37	16.8	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit	MPR
Channel				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	16.39	16.42	16.49	16.8	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit	MPR
Channel				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	16.38	16.40	16.44	16.8	0.0
Channel								
Frequency (MHz)				63030	63334	63634	Tune-up limit	MPR
Channel				3455.5	3500.01	3545.5	(dBm)	(dB)
15	QPSK	1	1	16.37	16.39	16.40	16.8	0.0
Channel								
Frequency (MHz)				63034	63334	63634	Tune-up limit	MPR
Channel				3452.01	3500.01	3542.01	(dBm)	(dB)
10	QPSK	1	1	16.46	16.40	16.48	16.8	0.0



Part27Q n78 PC2 DSI2_Standalone Ant 3									
BW (MHz)	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	19.50	3500.01				
100	PI2 BPSK	1	137	19.50	19.50		19.8	0.0	
100	PI2 BPSK	1	271	19.54	19.54				
100	PI2 BPSK	135	0	19.56	19.56		19.8	0.0	
100	PI2 BPSK	135	69	19.46	19.46		19.8	0.0	
100	PI2 BPSK	135	138	19.50	19.50		19.8	0.0	
100	PI2 BPSK	270	0	19.50	19.50				
100	QPSK	1	1	19.59	19.59				
100	QPSK	1	137	19.56	19.56		19.8	0.0	
100	QPSK	1	271	19.46	19.46				
100	QPSK	135	0	19.45	19.45		19.8	0.0	
100	QPSK	135	69	19.56	19.56		19.8	0.0	
100	QPSK	135	138	19.46	19.46		19.8	0.0	
100	QPSK	270	0	19.47	19.47				
100	16QAM	1	1	19.47	19.47		19.8	0.0	
100	64QAM	1	1	19.43	19.43		19.8	0.0	
100	256QAM	1	1	19.40	19.40		19.8	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.50	19.44	19.55	19.8	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.55	19.47	19.53	19.8	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.53	19.51	19.49	19.8	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.54	19.57	19.42	19.8	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.48	19.55	19.47	19.8	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.52	19.45	19.50	19.8	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.56	19.56	19.46	19.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.46	19.51	19.45	19.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.49	19.46	19.51	19.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.54	19.53	19.54	19.8	0.0	



Reduced Power Mode for DS2-Simultaneous

n2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				372000	376000	380000			
Frequency (MHz)									
				1860	1860	1860			
20	PI2 BPSK	1	1	22.53	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.86			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.97	22.95	22.97			
20	QPSK	50	0	22.92	22.93	22.94	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.97			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	64QAM	1	1	21.70	21.89	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
				371500	376000	380500			
Frequency (MHz)									
				1857.5	1860	1862.5			
15	QPSK	1	1	22.83	23.11	23.00	24.0	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
				1855	1860	1855			
10	QPSK	1	1	22.84	23.09	22.93	24.0	0.0	
Channel									
				370500	376000	381500			
Frequency (MHz)									
				1852.5	1860	1857.5			
5	QPSK	1	1	22.84	23.04	22.92	24.0	0.0	

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
				834	834.5	834.5			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.97	23.04	22.94	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.89			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.93	22.96	22.92	24.0	0.0	
20	PI2 BPSK	100	0	22.94	23.00	22.89			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.98	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.18	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	64QAM	1	1	22.57	22.71	22.68	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	1.0	
Channel									
				166300	167300	168300			
Frequency (MHz)									
				831.5	836.5	841.5			
15	QPSK	1	1	23.03	23.16	23.11	24.0	0.0	
Channel									
				166800	167300	168800			
Frequency (MHz)									
				833	835.5	844			
10	QPSK	1	1	23.08	23.19	23.06	24.0	0.0	
Channel									
				166300	167300	169300			
Frequency (MHz)									
				836.5	836.5	846.5			
5	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	

n7 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
				2530	2530	2530			
40	PI2 BPSK	1	1	21.84	21.90	21.78			
40	PI2 BPSK	1	108	21.76	21.87	21.83	23.0	0.0	
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.92	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.88	21.78	23.0	0.0	
40	QPSK	108	54	21.78	21.85	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77			
40	16QAM	1	1	21.80	21.84	21.74	23.0	0.0	
40	64QAM	1	1	21.05	21.14	21.09	22.0	1.0	
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
				505000	507000	511000			
Frequency (MHz)									
				2515	2535	2555			
30	QPSK	1	1	21.90	21.93	21.71	23.0	0.0	
Channel									
				505000	507000	511500			
Frequency (MHz)									
				2512.5	2535	2577.5			
25	QPSK	1	1	21.85	21.91	21.69	23.0	0.0	
Channel									
				505000	507000	512000			
Frequency (MHz)									
				2510	2535	2560			
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel									
				501500	507000	512500			
Frequency (MHz)									
				2507.5	2535	2572.5			
15	QPSK	1	1	21.81	21.84	21.74	23.0	0.0	
Channel									
				501000	507000	513000			
Frequency (MHz)									
				2505	2535	2565			
10	QPSK	1	1	21.91	21.95	21.68	23.0	0.0	
Channel									
				505000	507000	513500			
Frequency (MHz)									
				2502.5	2535	2597.5			
5	QPSK	1	1	21.87	21.88	21.80	23.0	0.0	



n12 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				141300	141500	141700	
Frequency (MHz)				704.5	707.5	710.5	
15	PI2 BPSK	1	1	23.05	23.11	22.97	
15	PI2 BPSK	1	40	22.84	22.92	22.80	24.0
15	PI2 BPSK	1	77	22.75	22.88	22.74	
15	PI2 BPSK	36	0	22.96	23.01	22.86	24.0
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0
15	PI2 BPSK	36	43	22.90	22.98	22.88	24.0
15	PI2 BPSK	75	0	22.90	23.02	22.96	
15	QPSK	1	1	23.13	23.19	23.12	
15	QPSK	1	40	23.07	23.12	23.08	24.0
15	QPSK	1	77	22.87	22.95	22.90	
15	QPSK	36	0	22.92	23.01	22.89	24.0
15	QPSK	36	22	22.97	23.06	22.97	24.0
15	QPSK	36	43	22.94	22.99	22.89	24.0
15	QPSK	75	0	22.85	23.01	22.90	
15	16QAM	1	1	23.07	23.11	23.07	24.0
15	64QAM	1	1	22.01	22.11	22.03	23.0
15	256QAM	1	1	23.14	23.23	23.17	21.0
Channel				140300	141000	142000	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	23.03	23.14	23.06	24.0
Channel				140300	141000	142000	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	1	22.99	23.08	23.04	24.0

n13 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				156400			
Frequency (MHz)				752			
10	PI2 BPSK	1	1	23.15			
10	PI2 BPSK	1	26	23.13			24.0
10	PI2 BPSK	1	50	23.05			
10	PI2 BPSK	25	0	22.27			23.5
10	PI2 BPSK	25	14	23.15			24.0
10	PI2 BPSK	25	27	23.01			23.5
10	PI2 BPSK	50	0	23.11			
10	QPSK	1	1	23.29			
10	QPSK	1	26	23.19			24.0
10	QPSK	1	50	23.13			
10	QPSK	25	0	22.46			23.0
10	QPSK	25	14	23.19			24.0
10	QPSK	25	27	22.97			23.0
10	QPSK	50	0	22.58			23.0
10	16QAM	1	1	21.67			23.0
10	64QAM	1	1	20.78			21.5
10	256QAM	1	1	19.36			18.5
Channel				155000	156500	159000	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	1	23.20	23.26	23.22	24.0

n14 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				158600			
Frequency (MHz)				792			
10	PI2 BPSK	1	1				23.37
10	PI2 BPSK	1	26				23.28
10	PI2 BPSK	1	50				23.33
10	PI2 BPSK	25	0				23.28
10	PI2 BPSK	25	14				23.35
10	PI2 BPSK	25	27				23.28
10	PI2 BPSK	50	0				23.31
10	QPSK	1	1				23.43
10	QPSK	1	26				23.21
10	QPSK	1	50				23.36
10	QPSK	25	0				23.31
10	QPSK	25	14				23.39
10	QPSK	25	27				23.28
10	QPSK	50	0				23.33
10	16QAM	1	1				23.22
10	64QAM	1	1				22.17
10	256QAM	1	1				20.40
Channel				158100	159000	159100	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	1	23.32	23.40	23.30	24.0



n25 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				374000	376500	379000				
Frequency (MHz)										
40	Pi2 BPSK	1	1	23.02	23.13	23.12				
40	Pi2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0		
40	Pi2 BPSK	1	214	22.98	22.98	23.02				
40	Pi2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0		
40	Pi2 BPSK	108	54	23.04	23.11	23.14	24.0	0.0		
40	Pi2 BPSK	108	108	22.96	23.07	22.93	24.0	0.0		
40	Pi2 BPSK	216	0	22.88	22.96	23.05				
40	QPSK	1	1	23.08	23.25	23.21				
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0		
40	QPSK	1	214	23.02	23.06	23.00				
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0		
40	QPSK	108	54	23.02	23.16	22.97	24.0	0.0		
40	QPSK	108	108	22.98	23.08	22.93	24.0	0.0		
40	QPSK	216	0	23.04	23.12	23.04	24.0	0.0		
40	16QAM	1	1	23.09	23.21	23.16	24.0	0.0		
40	64QAM	1	1	22.08	22.13	22.08	23.0	1.0		
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0		
Channel										
				375000	376500	380000				
Frequency (MHz)										
30	QPSK	1	1	22.99	23.11	23.06	24.0	0.0		
Channel										
				376500	376500	380000				
Frequency (MHz)										
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0		
Channel										
				372000	376500	381000				
Frequency (MHz)										
20	QPSK	1	1	22.99	23.19	23.08	24.0	0.0		
Channel										
				371500	376500	381500				
Frequency (MHz)										
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0		
Channel										
				371000	376500	382000				
Frequency (MHz)										
10	QPSK	1	1	22.98	23.21	23.17	24.0	0.0		
Channel										
				370500	376500	382500				
Frequency (MHz)										
5	QPSK	1	1	22.96	23.17	23.14	24.0	0.0		

n26 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				164800	166300	167800				
Frequency (MHz)										
20	Pi2 BPSK	1	1	23.38	23.45	23.33				
20	Pi2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0		
20	Pi2 BPSK	1	104	23.02	23.11	23.05				
20	Pi2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0		
20	Pi2 BPSK	50	26	23.23	23.31	23.18	24.0	0.0		
20	Pi2 BPSK	50	56	23.02	23.15	23.08	24.0	0.0		
20	Pi2 BPSK	100	0	23.17	23.28	23.22				
20	QPSK	1	1	23.43	23.49	23.38				
20	QPSK	1	53	23.26	23.40	23.32	24.0	0.0		
20	QPSK	1	104	23.27	23.34	23.22				
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0		
20	QPSK	50	26	23.39	23.43	23.32	24.0	0.0		
20	QPSK	50	56	23.20	23.31	23.26	24.0	0.0		
20	QPSK	100	0	23.31	23.38	23.26	24.0	0.0		
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0		
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0		
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0		
Channel										
				165300	166300	166300				
Frequency (MHz)										
15	QPSK	1	1	23.39	23.36	23.33	24.0	0.0		
Channel										
				166000	166300	166800				
Frequency (MHz)										
10	QPSK	1	1	23.31	23.39	23.25	24.0	0.0		
Channel										
				165300	166300	166300				
Frequency (MHz)										
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0		

n30 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				462000						
Frequency (MHz)										
10	Pi2 BPSK	1	1			22.91				
10	Pi2 BPSK	1	26			22.89	24.0	0.0		
10	Pi2 BPSK	1	50			22.82				
10	Pi2 BPSK	25	0			22.91	24.0	0.0		
10	Pi2 BPSK	25	14			22.92	24.0	0.0		
10	Pi2 BPSK	25	27			22.87	24.0	0.0		
10	Pi2 BPSK	50	0			22.81				
10	QPSK	1	1			23.03	24.0	0.0		
10	QPSK	1	26			22.91				
10	QPSK	1	50			22.90				
10	QPSK	25	0			22.80	24.0	0.0		
10	QPSK	25	14			22.83	24.0	0.0		
10	QPSK	25	27			22.89	24.0	0.0		
10	QPSK	50	0			22.90	24.0	0.0		
10	16QAM	1	1			22.66	24.0	0.0		
10	64QAM	1	1			22.17	23.0	1.0		
10	256QAM	1	1			20.17	21.0	3.0		
Channel										
				461500	462000	462500				
Frequency (MHz)										
5	QPSK	1	1	22.83	22.90	22.81	24.0	0.0		



n66 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midst Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1725	1745	1760			
40	PI/2 BPSK	1	1	23.16	23.23	23.14	24.0	0.0	
40	PI/2 BPSK	1	108	23.07	23.35	23.14	24.0	0.0	
40	PI/2 BPSK	1	214	23.23	23.14	23.27	24.0	0.0	
40	PI/2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0	
40	PI/2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0	
40	PI/2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0	
40	PI/2 BPSK	216	0	23.04	23.22	23.21	24.0	0.0	
40	QPSK	1	1	23.26	23.45	23.40	24.0	0.0	
40	QPSK	1	108	23.37	23.34	23.37	24.0	0.0	
40	QPSK	1	214	23.26	23.26	23.25	24.0	0.0	
40	QPSK	108	0	23.16	23.16	23.13	24.0	0.0	
40	QPSK	108	54	23.22	23.39	23.24	24.0	0.0	
40	QPSK	108	108	23.16	23.29	23.16	24.0	0.0	
40	QPSK	216	0	23.21	23.35	23.22	24.0	0.0	
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0	
40	16QAM	1	1	21.62	21.37	21.54	23.0	1.0	
40	256QAM	1	1	20.39	20.24	20.44	21.0	3.0	
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0	
Channel				348000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.13	23.41	23.35	24.0	0.0	
Channel				345000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
15	QPSK	1	1	23.22	23.34	23.33	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.22	23.34	23.33	24.0	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0	

n70 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midst Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000	340000	340000			
Frequency (MHz)				1722.5					
15	PI/2 BPSK	1	1		20.93		22.0	0.0	
15	PI/2 BPSK	1	40		20.92		22.0	0.0	
15	PI/2 BPSK	1	77		20.86		22.0	0.0	
15	PI/2 BPSK	36	0		20.74		22.0	0.0	
15	PI/2 BPSK	36	22		20.83		22.0	0.0	
15	PI/2 BPSK	36	43		20.77		22.0	0.0	
15	PI/2 BPSK	75	0		20.81		22.0	0.0	
15	QPSK	1	1		21.00		22.0	0.0	
15	QPSK	1	40		20.96		22.0	0.0	
15	QPSK	1	77		20.94		22.0	0.0	
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.82		22.0	0.0	
15	QPSK	36	43		20.67		21.0	1.0	
15	QPSK	75	0		20.76		21.0	1.0	
15	16QAM	1	1		19.05		21.0		
15	16QAM	1	1		18.01		19.5	2.5	
15	256QAM	1	1		16.67		17.5	4.5	
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	20.85	20.91	20.88	22.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	20.89	20.95	20.89	22.0	0.0	



n71 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up Init (dBm)	MPR (dB)	
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	23.27	23.32	23.34			
20	PI2 BPSK	1	53	23.19	23.28	23.17	24.0	0.0	
20	PI2 BPSK	1	104	23.09	23.22	23.19			
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0	
20	PI2 BPSK	50	99	23.21	23.29	23.17	24.0	0.0	
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0	
20	PI2 BPSK	100	0	23.10	23.22	23.09			
20	QPSK	1	1	23.27	23.36	23.34			
20	QPSK	1	53	23.17	23.21	23.28	24.0	0.0	
20	QPSK	1	104	23.18	23.29	23.23			
20	QPSK	50	0	23.11	23.23	23.11	24.0	0.0	
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0	
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0	
20	QPSK	100	0	23.14	23.26	23.14			
20	16QAM	1	1	22.76	22.88	22.84	24.0	0.0	
20	64QAM	1	1	22.10	22.19	22.12	23.0	1.0	
20	256QAM	1	1	20.53	20.57	20.49	21.0	3.0	
Channel				134100	135100	136100	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.15	23.35	23.26	24.0	0.0	
Channel				130900	130100	130600	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				668	660.5	665			
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0	
Channel				133100	136100	139100	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0	



n38 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Mid Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				517002	519000	520998			
Frequency (MHz)				2565.01	2595	2624.99			
30	PI2 BPSK	1	1	2194	2200	2191			
30	PI2 BPSK	1	49	2183	2197	2176	23.0	0.0	
30	PI2 BPSK	1	78	2176	2188	2177			
30	PI2 BPSK	36	0	2184	2192	2174	23.0	0.0	
30	PI2 BPSK	36	21	2195	2198	2190	23.0	0.0	
30	PI2 BPSK	36	42	2172	2186	2172	23.0	0.0	
30	PI2 BPSK	75	0	2174	2184	2181			
30	QPSK	1	1	2199	2206	2203			
30	QPSK	1	49	2196	2203	2193	23.0	0.0	
30	QPSK	1	78	2191	2194	2181			
30	QPSK	36	0	2179	2186	2187	23.0	0.0	
30	QPSK	36	21	2192	2202	2183	23.0	0.0	
30	QPSK	36	42	2176	2189	2182	23.0	0.0	
30	QPSK	75	0	2196	2197	2181			
30	16QAM	1	1	2130	2134	2128	23.0	0.0	
30	64QAM	1	1	2050	2059	2044	21.5	1.5	
30	256QAM	1	1	1879	1884	1871	18.5	3.5	
Channel				515004	519000	524996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2627.48			
25	QPSK	1	1	2190	2194	2186	23.0	0.0	
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	2198	2203	2192	23.0	0.0	
Channel				515002	519000	524998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	2198	2201	2190	23.0	0.0	
Channel				515004	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	2188	2194	2191	23.0	0.0	

n41 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Mid Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518998	529000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	2150	2202	2154			
100	PI2 BPSK	1	137	2182	2196	2189	23.0	0.0	
100	PI2 BPSK	1	271	2179	2189	2181			
100	PI2 BPSK	135	0	2134	2144	2130	22.5	0.5	
100	PI2 BPSK	135	69	2193	2204	2192	23.0	0.0	
100	PI2 BPSK	135	138	2134	2141	2135	22.5	0.5	
100	PI2 BPSK	270	0	2135	2149	2141			
100	QPSK	1	1	2195	2208	2197			
100	QPSK	1	137	2186	2190	2180	23.0	0.0	
100	QPSK	1	271	2191	2195	2189			
100	QPSK	135	0	2091	2101	2090	22.0	1.0	
100	QPSK	135	69	2195	2199	2189	23.0	0.0	
100	QPSK	135	138	2088	2101	2093	22.0	1.0	
100	QPSK	270	0	2090	2094	2081			
100	16QAM	1	1	2097	2103	2089	22.0	1.0	
100	64QAM	1	1	1902	1916	1903	20.5	2.5	
100	256QAM	1	1	1748	1758	1749	18.5	4.5	
Channel				509200	518998	529000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2544	2592.99	2644.98			
80	QPSK	1	1	2190	2197	2189	23.0	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	1	2188	2196	2186	23.0	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	2190	2200	2190	23.0	0.0	
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	2192	2196	2185	23.0	0.0	
Channel				503202	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	2184	2202	2182	23.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	2188	2204	2192	23.0	0.0	
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	2185	2200	2188	23.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	2183	2198	2180	23.0	0.0	



n41 PC2 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	529998		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	24.84	24.92	24.77		
100	PI2 BPSK	1	137	24.76	24.86	24.74	26.0	0.0
100	PI2 BPSK	1	271	24.73	24.81	24.70		
100	PI2 BPSK	135	0	24.69	24.77	24.73	26.0	0.0
100	PI2 BPSK	135	69	24.78	24.88	24.73	26.0	0.0
100	PI2 BPSK	135	138	24.60	24.75	24.63	26.0	0.0
100	PI2 BPSK	270	0	24.73	24.79	24.76		
100	QPSK	1	1	24.88	24.96	24.84		
100	QPSK	1	137	24.83	24.91	24.77	26.0	0.0
100	QPSK	1	271	24.70	24.83	24.73		
100	QPSK	135	0	24.30	24.40	24.37	25.5	0.5
100	QPSK	135	69	24.80	24.90	24.77	26.0	0.0
100	QPSK	135	138	24.32	24.38	24.27	25.5	0.5
100	QPSK	270	0	24.28	24.47	24.31		
100	16QAM	1	1	24.24	24.30	24.24	25.5	0.5
100	64QAM	1	1	22.57	22.62	22.52	24.0	2.0
100	256QAM	1	1	20.16	20.30	20.15	22.0	4.0
Channel				510000	519598	529998		
Frequency (MHz)				2544	2592.99	2644.98		
90	QPSK	1	1	24.85	24.87	24.80	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	24.76	24.84	24.71	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2695		
70	QPSK	1	1	24.76	24.90	24.77	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2458	2592.99	2659.98		
60	QPSK	1	1	24.83	24.82	24.76	26.0	0.0
Channel				505204	518598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.79	24.88	24.80	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2690		
40	QPSK	1	1	24.74	24.89	24.72	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2311	2592.99	2674.98		
30	QPSK	1	1	24.83	24.91	24.76	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	24.84	24.88	24.78	26.0	0.0

n48 Part96 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3370	3524.99	3678.98		
40	PI2 BPSK	1	1	20.87	21.01	20.85		
40	PI2 BPSK	1	53	20.85	20.99	20.88	22.0	0.0
40	PI2 BPSK	1	104	20.91	20.95	20.91		
40	PI2 BPSK	50	0	20.30	20.40	20.34	21.5	0.5
40	PI2 BPSK	50	25	20.84	20.97	20.82	22.0	0.0
40	PI2 BPSK	50	56	20.34	20.39	20.34	21.5	0.5
40	PI2 BPSK	100	0	20.38	20.43	20.34		
40	QPSK	1	1	20.99	21.09	20.94		
40	QPSK	1	53	20.93	21.03	20.97	22.0	0.0
40	QPSK	1	104	20.95	20.95	20.93		
40	QPSK	50	0	20.02	20.13	19.98	21.0	1.0
40	QPSK	50	25	20.94	21.05	20.88	22.0	0.0
40	QPSK	50	56	19.88	20.04	19.82	21.0	1.0
40	QPSK	100	0	19.94	20.07	20.03		
40	16QAM	1	1	19.90	19.98	19.81	21.0	1.0
40	64QAM	1	1	18.57	18.78	18.64	19.5	2.5
40	256QAM	1	1	16.62	16.59	16.67	17.5	4.5
Channel				637000	641666	645332		
Frequency (MHz)				3655.02	3624.99	3684.99		
30	QPSK	1	1	20.87	21.03	20.83	22.0	0.0
Channel				637000	641666	646000		
Frequency (MHz)				3662.01	3624.99	3690		
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3555	3524.99	3594.98		
10	QPSK	1	1	20.65	20.99	20.89	22.0	0.0



Part270 n77 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.81	22.84	22.91			
100	PI2 BPSK	1	137	22.84	23.02	22.97	24.0	0.0	
100	PI2 BPSK	1	271	22.77	22.89	22.77			
100	PI2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0	
100	PI2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0	
100	PI2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0	
100	PI2 BPSK	270	0	22.82	22.92	22.81			
100	QPSK	1	1	22.88	23.06	23.04			
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0	
100	QPSK	1	271	22.97	22.99	22.88			
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0	
100	QPSK	135	69	22.82	23.03	22.90	24.0	0.0	
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0	
100	QPSK	270	0	22.84	22.90	22.77			
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0	
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0	
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.74	22.90	22.90	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.71	22.88	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0	

Part270 n77 PC2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	25.68	25.92	25.60			
100	PI2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0	
100	PI2 BPSK	1	271	25.88	26.07	26.03			
100	PI2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0	
100	PI2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0	
100	PI2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0	
100	PI2 BPSK	270	0	25.70	25.91	25.87			
100	QPSK	1	1	25.80	26.13	26.08			
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0	
100	QPSK	1	271	25.83	26.03	25.87			
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0	
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0	
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0	
100	QPSK	270	0	25.77	25.97	25.81			
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0	
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5	
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.68	25.97	25.97	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.76	26.06	25.98	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.77	25.98	26.06	27.0	0.0	

Part27Q n77 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		350.01				
100	PI2 BPSK	1	137		350.01		24.0	0.0	
100	PI2 BPSK	1	271		350.01				
100	PI2 BPSK	135	0		350.01		24.0	0.0	
100	PI2 BPSK	135	69		350.01		24.0	0.0	
100	PI2 BPSK	135	138		350.01		24.0	0.0	
100	PI2 BPSK	270	0		350.01				
100	QPSK	1	1		350.01				
100	QPSK	1	137		350.01		24.0	0.0	
100	QPSK	1	271		350.01				
100	QPSK	135	0		350.01		24.0	0.0	
100	QPSK	135	69		350.01		24.0	0.0	
100	QPSK	135	138		350.01		24.0	0.0	
100	QPSK	270	0		350.01				
100	16QAM	1	1		350.01		23.0	1.0	
100	64QAM	1	1		350.01		23.0	1.0	
100	256QAM	1	1		350.01		21.0	3.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633968	633968	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	634068	633334	634000	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	634168	633334	634000	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	634268	633334	634000	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	634368	633334	634000	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	634468	633334	634000	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	634568	633334	634000	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	634668	633334	634000	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	634768	633334	634000	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	634868	633334	634000	24.0	0.0	



Part27Q n77 PC2 Ant0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.35			
100	PI2 BPSK	1	271		20.39		27.0	0.0
100	PI2 BPSK	1	271		20.38			
100	PI2 BPSK	135	0		20.33		27.0	0.0
100	PI2 BPSK	135	69		20.29		27.0	0.0
100	PI2 BPSK	135	138		20.35		27.0	0.0
100	PI2 BPSK	270	0		20.38			
100	QPSK	1	1		20.46			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.31		27.0	0.0
100	QPSK	135	0		20.29		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.26		27.0	0.0
100	QPSK	270	0		20.40			
100	16QAM	1	1		20.29		27.0	0.0
100	64QAM	1	1		20.06		26.5	0.5
100	256QAM	1	1		24.11		24.5	2.5
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	20.30	20.34	20.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.38	20.40	20.29	27.0	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	20.30	20.39	20.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.36	20.31	20.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631863	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.38	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	20.42	20.36	20.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.32	20.33	20.43	27.0	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	20.36	20.38	20.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.42	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	20.35	20.31	20.34	27.0	0.0



Part270 n78 Ant0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85		24.0	0.0	
100	PI2 BPSK	1	137		22.80				
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89		24.0	0.0	
100	QPSK	1	137		22.81				
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		24.0	0.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.75	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.78	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.52	22.73	22.74	24.0	0.0
Channel									
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.83	22.73	22.72	24.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

Part270 n78 PC2 Ant0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83		27.0	0.0	
100	PI2 BPSK	1	137		25.82				
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97		27.0	0.0	
100	QPSK	1	137		25.90				
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		25.5	1.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.85	25.94	25.87	27.0	0.0
Channel									
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.92	25.92	25.85	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	0.0

Part27Q n78 Ant0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					350.01				
100	PI2 BPSK	1	1		23.22		24.0	0.0	
100	PI2 BPSK	1	137		23.18				
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32		24.0	0.0	
100	QPSK	1	137		23.21				
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		24.0	0.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.15	23.19	23.25	24.0	0.0
Channel									
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.24	23.27	23.16	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.15	23.25	24.0	0.0



Part27Q n78 PC2 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	26.24	3500.01			
100	PI2 BPSK	1	137	26.33			27.0	0.0
100	PI2 BPSK	1	271	26.28				
100	PI2 BPSK	135	0	26.22			27.0	0.0
100	PI2 BPSK	135	69	26.32			27.0	0.0
100	PI2 BPSK	135	138	26.27			27.0	0.0
100	PI2 BPSK	270	0	26.25				
100	QPSK	1	1	26.38				
100	QPSK	1	137	26.33			27.0	0.0
100	QPSK	1	271	26.22				
100	QPSK	135	0	26.30			27.0	0.0
100	QPSK	135	69	26.35			27.0	0.0
100	QPSK	135	138	26.32			27.0	0.0
100	QPSK	270	0	26.23				
100	16QAM	1	1	26.16			27.0	0.0
100	64QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.16			23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.16	26.26	26.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.24	26.24	26.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.22	26.29	26.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.20	26.26	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.26	26.29	26.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.18	26.23	26.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.24	26.34	26.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.22	26.27	26.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.18	26.35	26.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.25	26.32	26.27	27.0	0.0



n2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				370000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.60	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	22.0	3.0	
Channel									
				373000	376000	380000			
Frequency (MHz)									
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
				370000	376000	381500			
Frequency (MHz)									
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	22.0	1.0	
Channel									
				162000	162300	162300			
Frequency (MHz)									
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
				165800	167300	168300			
Frequency (MHz)									
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
				166300	167300	168300			
Frequency (MHz)									
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	22.18	22.23	22.14			
40	PI2 BPSK	1	108	22.07	22.14	22.00	23.0	0.0	
40	PI2 BPSK	1	214	22.06	22.11	21.99			
40	PI2 BPSK	108	0	22.03	22.17	22.10	23.0	0.0	
40	PI2 BPSK	108	54	22.09	22.21	22.13	23.0	0.0	
40	PI2 BPSK	108	108	22.08	22.16	22.04	23.0	0.0	
40	PI2 BPSK	216	0	22.14	22.20	22.16			
40	QPSK	1	1	22.13	22.26	22.21			
40	QPSK	1	108	22.08	22.20	22.17	23.0	0.0	
40	QPSK	1	214	22.11	22.14	22.09			
40	QPSK	108	0	21.97	22.10	21.97	23.0	0.0	
40	QPSK	108	54	22.14	22.17	22.07	23.0	0.0	
40	QPSK	108	108	21.93	22.02	21.94	23.0	0.0	
40	QPSK	216	0	21.94	22.05	22.04			
40	16QAM	1	1	21.69	21.83	21.76	22.0	1.0	
40	64QAM	1	1	21.05	21.09	20.96	22.0	1.0	
40	256QAM	1	1	19.53	19.63	19.66	20.0	3.0	
Channel									
				502000	507000	510000			
Frequency (MHz)									
30	QPSK	1	1	22.15	22.15	22.11	23.0	0.0	
Channel									
				505000	507000	511500			
Frequency (MHz)									
25	QPSK	1	1	22.11	22.20	22.14	23.0	0.0	
Channel									
				502000	507000	512000			
Frequency (MHz)									
20	PI2 BPSK	1	1	22.08	22.11	22.18	23.0	0.0	
Channel									
				501500	507000	512500			
Frequency (MHz)									
15	QPSK	1	1	22.07	22.18	22.10	23.0	0.0	
Channel									
				505000	507000	513000			
Frequency (MHz)									
10	QPSK	1	1	22.11	22.21	22.11	23.0	0.0	
Channel									
				500000	507000	513000			
Frequency (MHz)									
5	QPSK	1	1	22.13	22.22	22.15	23.0	0.0	



n12 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141900	141600	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	21.82	21.86	21.78		
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0	0.0
15	PI2 BPSK	1	77	21.49	21.59	21.48		
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0
15	PI2 BPSK	75	0	21.71	21.79	21.70		
15	QPSK	1	1	21.87	21.95	21.82		
15	QPSK	1	40	21.76	21.86	21.74	23.0	0.0
15	QPSK	1	77	21.70	21.79	21.67		
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0
15	QPSK	75	0	21.72	21.75	21.74		
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0
15	256QAM	1	1	19.33	19.41	19.29	20.0	3.0
Channel				140900	141500	142100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	21.82	21.88	21.69	23.0	0.0
Channel				140900	141900	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				707.5	707.5	713.5		
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0

n13 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				155500	156000	156500		
Frequency (MHz)				722				
10	PI2 BPSK	1	1	21.84				
10	PI2 BPSK	1	26	21.79			23.0	0.0
10	PI2 BPSK	1	50	21.72				
10	PI2 BPSK	25	0	20.93			22.5	0.5
10	PI2 BPSK	25	14	21.88			23.0	0.0
10	PI2 BPSK	25	27	21.76				
10	PI2 BPSK	50	0	21.81			22.5	0.5
10	QPSK	1	1	21.94				
10	QPSK	1	26	21.87			23.0	0.0
10	QPSK	1	50	21.83				
10	QPSK	25	0	20.89			22.0	1.0
10	QPSK	25	14	21.89			23.0	0.0
10	QPSK	25	27	21.13			22.0	1.0
10	QPSK	50	0	21.13				
10	16QAM	1	1	20.71			22.0	1.0
10	64QAM	1	1	19.53			20.5	2.5
10	256QAM	1	1	18.22			18.5	4.5
Channel				155500	156000	156500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	21.80	21.87	21.81	23.0	0.0

n14 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158100	158600	159100		
Frequency (MHz)				793				
10	PI2 BPSK	1	1	21.88				
10	PI2 BPSK	1	26	21.90			23.0	0.0
10	PI2 BPSK	1	50	21.86				
10	PI2 BPSK	25	0	21.89			23.0	0.0
10	PI2 BPSK	25	14	21.95			23.0	0.0
10	PI2 BPSK	25	27	21.86				
10	PI2 BPSK	50	0	21.93			23.0	0.0
10	QPSK	1	1	22.04				
10	QPSK	1	26	22.01			23.0	0.0
10	QPSK	1	50	21.96				
10	QPSK	25	0	21.94			23.0	0.0
10	QPSK	25	14	21.99			23.0	0.0
10	QPSK	25	27	21.87			23.0	0.0
10	QPSK	50	0	21.94				
10	16QAM	1	1	21.88			23.0	0.0
10	64QAM	1	1	20.85			22.0	1.0
10	256QAM	1	1	19.09			20.0	3.0
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	21.93	21.98	21.91	23.0	0.0



n25 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				374000	376500	379000			
Frequency (MHz)									
40	PI2 BPSK	1	1	21.59	21.43	21.33	23.0	0.0	
40	PI2 BPSK	1	108	21.32	21.37	21.22			
40	PI2 BPSK	1	214	21.34	21.40	21.28			
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0	
40	PI2 BPSK	108	54	21.35	21.45	21.38	23.0	0.0	
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0	
40	PI2 BPSK	216	0	21.28	21.38	21.26			
40	QPSK	1	1	21.49	21.52	21.45			
40	QPSK	1	108	21.37	21.46	21.40	23.0	0.0	
40	QPSK	1	214	21.30	21.42	21.34			
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0	
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0	
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0	
40	QPSK	216	0	21.36	21.44	21.33			
40	16QAM	1	1	21.33	21.37	21.28	23.0	0.0	
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0	
40	256QAM	1	1	19.07	19.13	19.06	23.0	3.0	
Channel									
				372000	374500	377000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0	
Channel									
				372500	375000	377500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	21.35	21.41	21.38	23.0	0.0	
Channel									
				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0	
Channel									
				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.34	21.40	21.34	23.0	0.0	
Channel									
				371000	375500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0	
Channel									
				370500	375000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.38	21.43	21.38	23.0	0.0	

n26 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				164800	166300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	22.07	22.11	22.02			
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0	
20	PI2 BPSK	1	104	21.85	21.91	21.80			
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.94	22.06	21.94	23.0	0.0	
20	PI2 BPSK	50	56	21.83	21.91	21.81	23.0	0.0	
20	PI2 BPSK	100	0	21.92	22.01	21.95			
20	QPSK	1	1	22.03	22.15	22.04			
20	QPSK	1	53	21.99	22.10	22.07	23.0	0.0	
20	QPSK	1	104	21.91	22.05	21.94			
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0	
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0	
20	QPSK	50	56	21.92	21.99	21.83	23.0	0.0	
20	QPSK	100	0	22.02	22.08	21.94			
20	16QAM	1	1	21.84	21.75	21.69	23.0	0.0	
20	64QAM	1	1	20.86	21.11	21.08	22.0	1.0	
20	256QAM	1	1	19.32	19.41	19.26	23.0	3.0	
Channel									
				163300	163300	163300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0	
Channel									
				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0	
Channel									
				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.95	22.00	21.91	23.0	0.0	

n30 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				462000	462000				
Frequency (MHz)									
10	PI2 BPSK	1	1		23.10				
10	PI2 BPSK	1	26		21.73		23.0	0.0	
10	PI2 BPSK	1	50		21.79				
10	PI2 BPSK	1	50		21.73				
10	PI2 BPSK	25	0		21.69		23.0	0.0	
10	PI2 BPSK	25	14		21.59		23.0	0.0	
10	PI2 BPSK	25	27		21.68		23.0	0.0	
10	PI2 BPSK	50	0		21.65				
10	QPSK	1	1		21.85				
10	QPSK	1	26		21.81		23.0	0.0	
10	QPSK	1	50		21.74				
10	QPSK	25	0		21.71		23.0	0.0	
10	QPSK	25	14		21.81		23.0	0.0	
10	QPSK	25	27		21.87		23.0	0.0	
10	QPSK	50	0		21.72				
10	16QAM	1	1		21.69		23.0	0.0	
10	64QAM	1	1		20.73		22.0	1.0	
10	256QAM	1	1		19.89		20.0	3.0	
Channel									
				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.79	21.70	21.79	23.0	0.0	



n66 Ant1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				346000	349000	352000	
Frequency (MHz)							
40	PI/2 BPSK	1	1	2167	2173	2181	
40	PI/2 BPSK	1	108	2149	2181	2155	23.0
40	PI/2 BPSK	1	214	2158	2183	2180	
40	PI/2 BPSK	108	0	2150	2159	2148	23.0
40	PI/2 BPSK	108	54	2185	2170	2156	23.0
40	PI/2 BPSK	108	108	2150	2158	2152	23.0
40	PI/2 BPSK	216	0	2159	2164	2152	23.0
40	QPSK	1	1	2167	2179	2174	
40	QPSK	1	108	2182	2172	2183	23.0
40	QPSK	1	214	2157	2187	2154	
40	QPSK	108	0	2157	2182	2157	23.0
40	QPSK	108	54	2182	2174	2180	23.0
40	QPSK	108	108	2180	2188	2155	23.0
40	QPSK	216	0	2187	2171	2184	23.0
40	16QAM	1	1	2152	2183	2152	23.0
40	16QAM	1	1	2082	2097	2093	22.0
40	256QAM	1	1	1932	1977	1988	23.0
Channel				352000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)							
30	QPSK	1	1	2184	2170	2180	23.0
Channel				346000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)							
15	QPSK	1	1	2184	2175	2184	23.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)							
10	QPSK	1	1	2180	2173	2182	23.0
Channel				345000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)							
5	QPSK	1	1	2152	2171	2188	23.0

n70 Ant1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				346000	349000	352000	
Frequency (MHz)							
15	PI/2 BPSK	1	1	2150			
15	PI/2 BPSK	1	40	2187			23.0
15	PI/2 BPSK	1	77	2182			
15	PI/2 BPSK	36	0	2134			22.5
15	PI/2 BPSK	36	22	2186			23.0
15	PI/2 BPSK	36	43	2126			22.5
15	PI/2 BPSK	75	0	2132			22.5
15	QPSK	1	1	2195			
15	QPSK	1	40	2183			23.0
15	QPSK	1	77	2188			
15	QPSK	36	0	2135			22.0
15	QPSK	36	22	2188			23.0
15	QPSK	36	43	2140			22.0
15	QPSK	75	0	2132			22.0
15	16QAM	1	1	2134			22.0
15	16QAM	1	1	1988			20.5
15	256QAM	1	1	1752			18.5
Channel				349000	349000	341000	Tune-up limit (dBm)
Frequency (MHz)							
10	QPSK	1	1	2184	2192	2181	23.0
Channel				339000	349000	341000	Tune-up limit (dBm)
Frequency (MHz)							
5	QPSK	1	1	2181	2188	2183	23.0



n71 Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Midle Ch. Freq	High Ch. Freq		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.08	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	58	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.18	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	58	21.91	22.06	21.98		
20	QPSK	100	0	22.03	22.13	21.95	23.0	0.0
20	16QAM	1	1	21.98	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.98	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.43	19.42	20.0	3.0
Channel				134500	136000	137500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	688		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668.5	680.5	690.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				517002	519000	520998			
Frequency (MHz)				2562.01	2595	2624.99			
30	PI2 BPSK	1	1	22.40	22.44	22.35			
30	PI2 BPSK	1	49	22.26	22.39	22.36	23.0	0.0	
30	PI2 BPSK	1	76	22.13	22.27	22.12			
30	PI2 BPSK	36	0	22.30	22.42	22.29	23.0	0.0	
30	PI2 BPSK	36	21	22.34	22.39	22.29	23.0	0.0	
30	PI2 BPSK	36	42	22.23	22.35	22.30	23.0	0.0	
30	PI2 BPSK	76	0	22.33	22.38	22.33	23.0	0.0	
30	QPSK	1	1	22.41	22.53	22.47			
30	QPSK	1	49	22.30	22.42	22.33	23.0	0.0	
30	QPSK	1	76	22.41	22.45	22.39			
30	QPSK	36	0	22.29	22.41	22.38	23.0	0.0	
30	QPSK	36	21	22.37	22.46	22.40	23.0	0.0	
30	QPSK	36	42	22.28	22.32	22.20	23.0	0.0	
30	QPSK	76	0	22.33	22.38	22.38	23.0	0.0	
30	16QAM	1	1	22.26	22.39	22.27	23.0	0.0	
30	64QAM	1	1	20.74	20.89	20.83	21.5	1.5	
30	256QAM	1	1	19.09	19.21	19.03	18.5	3.5	
Channel				515004	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2627.48			
25	QPSK	1	1	22.28	22.49	22.43	23.0	0.0	
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2560	2595	2610			
20	QPSK	1	1	22.29	22.39	22.37	23.0	0.0	
Channel				515002	519000	520498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
16	QPSK	1	1	22.30	22.41	22.34	23.0	0.0	
Channel				515004	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2573.02	2595	2614.98			
10	QPSK	1	1	22.28	22.47	22.35	23.0	0.0	

n41 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518998	520900			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	21.52	22.04	21.97			
100	PI2 BPSK	1	137	21.90	21.98	21.88	23.0	0.0	
100	PI2 BPSK	1	271	21.86	21.95	21.89			
100	PI2 BPSK	136	0	21.42	21.45	21.38	22.5	0.5	
100	PI2 BPSK	136	69	21.93	22.02	21.88	23.0	0.0	
100	PI2 BPSK	136	138	21.37	21.49	21.41	22.5	0.5	
100	PI2 BPSK	270	0	21.31	21.40	21.36			
100	QPSK	1	1	21.98	22.07	22.03			
100	QPSK	1	197	21.95	22.01	21.87	23.0	0.0	
100	QPSK	1	271	21.94	21.92	21.89			
100	QPSK	136	0	20.01	21.06	20.90	22.0	1.0	
100	QPSK	136	69	21.94	22.02	21.99	23.0	0.0	
100	QPSK	136	138	20.96	20.89	20.78	22.0	1.0	
100	QPSK	270	0	20.76	20.95	20.87			
100	16QAM	1	1	20.81	20.96	20.80	22.0	1.0	
100	64QAM	1	1	19.19	19.32	19.28	20.5	2.5	
100	256QAM	1	1	17.48	17.56	17.41	18.5	4.5	
Channel				509200	518998	520896	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.93	22.04	21.99	23.0	0.0	
Channel				507204	518998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	1	21.95	21.95	21.90	23.0	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.99	22.00	21.90	23.0	0.0	
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.88	22.00	21.93	23.0	0.0	
Channel				503202	518998	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.88	21.98	21.98	23.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	21.92	21.97	21.89	23.0	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.95	22.01	21.92	23.0	0.0	
Channel				501204	518998	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.87	21.92	21.92	23.0	0.0	



n41 PC2 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	526900		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	25.17	25.21	25.09		
100	PI2 BPSK	1	137	25.07	25.17	25.04	26.0	0.0
100	PI2 BPSK	1	271	25.00	25.11	25.02		
100	PI2 BPSK	135	0	24.90	25.02	24.95	26.0	0.0
100	PI2 BPSK	135	69	25.03	25.14	25.08	26.0	0.0
100	PI2 BPSK	135	138	24.97	25.07	24.95	26.0	0.0
100	PI2 BPSK	270	0	25.03	25.11	25.00		
100	QPSK	1	1	25.25	25.28	25.16		
100	QPSK	1	137	25.16	25.20	25.08	26.0	0.0
100	QPSK	1	271	25.09	25.15	25.07		
100	QPSK	135	0	24.83	24.88	24.81	25.5	0.5
100	QPSK	135	69	25.21	25.23	25.12	26.0	0.0
100	QPSK	135	138	24.80	24.71	24.58	25.5	0.5
100	QPSK	270	0	24.84	24.80	24.59		
100	16QAM	1	1	24.47	24.61	24.50	25.5	0.5
100	64QAM	1	1	22.93	23.04	22.91	24.0	2.0
100	256QAM	1	1	20.92	21.04	20.90	22.0	4.0
Channel				510200	519598	529000		
Frequency (MHz)				2544	2592.99	2644.98		
90	QPSK	1	1	25.14	25.15	25.03	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	25.18	25.14	25.05	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.21	25.13	25.03	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2458	2592.99	2659.98		
60	QPSK	1	1	25.22	25.22	25.02	26.0	0.0
Channel				510204	518598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.17	25.17	25.10	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2690		
40	QPSK	1	1	25.15	25.25	25.03	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.20	25.14	25.01	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2592.99	2679.99		
20	QPSK	1	1	25.16	25.21	25.01	26.0	0.0

n48 Part96 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3678.98		
40	PI2 BPSK	1	1	23.65	23.69	23.63		
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0
40	PI2 BPSK	1	104	23.49	23.52	23.45		
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5
40	PI2 BPSK	50	25	23.53	23.67	23.56	24.0	0.0
40	PI2 BPSK	50	56	23.14	23.18	23.14	23.5	0.5
40	PI2 BPSK	100	0	23.14	23.22	23.22		
40	QPSK	1	1	23.65	23.73	23.56		
40	QPSK	1	53	23.24	23.62	23.60	24.0	0.0
40	QPSK	1	104	23.41	23.62	23.51		
40	QPSK	50	0	22.65	22.82	22.64	23.0	1.0
40	QPSK	50	25	23.60	23.70	23.47	24.0	0.0
40	QPSK	90	56	22.27	22.69	22.64	23.0	1.0
40	QPSK	100	0	22.63	22.67	22.71		
40	16QAM	1	1	22.58	22.67	22.58	23.0	1.0
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5
40	256QAM	1	1	19.17	19.35	19.25	19.5	4.5
Channel				639208	641666	645666		
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	23.16	23.22	23.03	24.0	0.0
Channel				637204	641666	646000		
Frequency (MHz)				3669.01	3624.99	3680		
20	QPSK	1	1	23.16	23.19	23.05	24.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3565	3624.99	3684.98		
10	QPSK	1	1	23.16	23.25	23.05	24.0	0.0



Part270 n77 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq. 650000	Middle Ch. Freq. 656000	High Ch. Freq. 662000		
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	136	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	136	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	136	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	136	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	136	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	136	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	16QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	648334	656000	662668		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	656000	663000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)								
60	QPSK	1	1	649668	656000	663334		
60	QPSK	1	1	3730.02	3840	3950.01		
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3725.01	3840	3955.02		
40	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	648000	656000	664000		
30	QPSK	1	1	22.52	22.91	22.88	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647668	656000	664334		
20	QPSK	1	1	3718.01	3840	3970.02		
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	656000	665000		
10	QPSK	1	1	3705	3840	3975		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

Part270 n77 PC2 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq. 650000	Middle Ch. Freq. 656000	High Ch. Freq. 662000		
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	136	0	25.84	25.59	25.61	27.0	0.0
100	Pl2 BPSK	136	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	136	138	25.63	25.70	25.86	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	136	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	136	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	136	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.28	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	16QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649334	656000	662668		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	648334	656000	662668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	656000	663000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)								
60	QPSK	1	1	649668	656000	663334		
60	QPSK	1	1	3730.02	3840	3950.01		
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	656000	664000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	656000	664334		
30	QPSK	1	1	3718.01	3840	3970.02		
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	656000	665000		
10	QPSK	1	1	3705	3840	3975		
10	QPSK	1	1	25.90	25.87	25.72	27.0	0.0

Part27Q n77 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq. 633000	Middle Ch. Freq. 633334	High Ch. Freq. 633668		
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1		3500.01			
100	Pl2 BPSK	1	137		23.41		24.0	0.0
100	Pl2 BPSK	1	271		23.32			
100	Pl2 BPSK	136	0		23.26		23.5	0.5
100	Pl2 BPSK	136	69		22.88		24.0	0.0
100	Pl2 BPSK	136	138		22.81		23.5	0.5
100	Pl2 BPSK	270	0		22.74			
100	QPSK	1	1		23.45			
100	QPSK	1	137		23.30		24.0	0.0
100	QPSK	1	271		23.35			
100	QPSK	136	0		23.43		23.0	1.0
100	QPSK	136	69		23.22		24.0	0.0
100	QPSK	136	138		22.56		23.0	1.0
100	QPSK	270	0		22.53			
100	16QAM	1	1		22.15		21.5	2.5
100	16QAM	1	1		20.84		19.5	4.5
100	256QAM	1	1		18.96		18.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02		
90	QPSK	1	1	23.41	23.32	23.38	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633068	633334	634000		
80	QPSK	1	1	3495.02	3500.01	3510		
80	QPSK	1	1	23.29	23.30	23.31	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	633334	633334	634334		
70	QPSK	1	1	3495.01	3500.01	3515.01		
70	QPSK	1	1	23.29	23.30	23.29	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	633000	633334	633668		
60	QPSK	1	1	3490	3500.01	3510.02		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	633668		
50	QPSK	1	1	3485.02	3500.01	3525		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	633668		
40	QPSK	1	1	3485.01	3500.01	3520.01		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668		
30	QPSK	1	1	3485	3500.01	3535.02		
30	QPSK	1	1	23.31	23.31	23.31	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630000	633334	633668		
20	QPSK	1	1	3480.02	3500.01	3540		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630000	633334	633668		
15	QPSK	1	1	3480.01	3500.01	3542.50		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	633668		
10	QPSK	1	1	3482.01	3500.01	3542.01		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



Part27Q n77 PC2 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	16Q BPSK	1	1	20.54	3500.01				
100	16Q BPSK	1	137	20.32			27.0	0.0	
100	16Q BPSK	1	271	20.51					
100	16Q BPSK	135	0	20.34			27.0	0.0	
100	16Q BPSK	135	69	20.44			27.0	0.0	
100	16Q BPSK	135	138	20.18			27.0	0.0	
100	16Q BPSK	270	0	20.27					
100	QPSK	1	1	20.60					
100	QPSK	1	197	20.36			27.0	0.0	
100	QPSK	1	271	20.39					
100	QPSK	135	0	20.58			26.5	0.5	
100	QPSK	135	69	20.42			27.0	0.0	
100	QPSK	135	138	20.90			26.5	0.5	
100	QPSK	270	0	20.15					
100	16QAM	1	1	20.02			26.5	0.5	
100	64QAM	1	1	24.61			25.0	2.0	
100	256QAM	1	1	22.46			23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	26.47	3495	3500.01	3505.02	MPR (dB)	
90	QPSK	1	1	26.47	26.46	26.58	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.88	63068	63334	63400	Tune-up limit (dBm)	
80	QPSK	1	1	26.48	3498.02	3500.01	3502	MPR (dB)	
80	QPSK	1	1	26.48	26.58	26.53	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.50	63234	63334	63434	Tune-up limit (dBm)	
70	QPSK	1	1	26.50	3485.01	3500.01	3515.01	MPR (dB)	
70	QPSK	1	1	26.50	26.51	26.49	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.56	63200	63334	63468	Tune-up limit (dBm)	
60	QPSK	1	1	26.56	3480	3500.01	3520.02	MPR (dB)	
60	QPSK	1	1	26.56	26.47	26.56	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.48	63160	63334	63500	Tune-up limit (dBm)	
50	QPSK	1	1	26.48	3475.02	3500.01	3525	MPR (dB)	
50	QPSK	1	1	26.48	26.45	26.43	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.54	63134	63334	63534	Tune-up limit (dBm)	
40	QPSK	1	1	26.54	3470.01	3500.01	3520.01	MPR (dB)	
40	QPSK	1	1	26.54	26.51	26.51	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.58	63100	63334	63668	Tune-up limit (dBm)	
30	QPSK	1	1	26.58	3465	3500.01	3535.02	MPR (dB)	
30	QPSK	1	1	26.58	26.52	26.53	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.58	63068	63334	63500	Tune-up limit (dBm)	
20	QPSK	1	1	26.58	3460.02	3500.01	3540	MPR (dB)	
20	QPSK	1	1	26.58	26.57	26.56	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	26.57	63030	63334	63818	Tune-up limit (dBm)	
15	QPSK	1	1	26.57	3455.0	3500.01	3542.50	MPR (dB)	
15	QPSK	1	1	26.57	26.57	26.58	26.54	27.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.53	63034	63334	63634	Tune-up limit (dBm)	
10	QPSK	1	1	26.53	3450.01	3500.01	3540.01	MPR (dB)	
10	QPSK	1	1	26.53	26.45	26.55	27.0	0.0	



Part270 n78 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.90				
100	PI2 BPSK	1	137		22.85		24.0	0.0	
100	PI2 BPSK	1	271		22.81				
100	PI2 BPSK	135	0		22.33		23.5	0.5	
100	PI2 BPSK	135	69		22.86		24.0	0.0	
100	PI2 BPSK	135	138		22.32		23.5	0.5	
100	PI2 BPSK	270	0		22.40				
100	QPSK	1	1		22.91		24.0	0.0	
100	QPSK	1	137		22.82				
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.05		23.0	1.0	
100	QPSK	135	69		22.82		24.0	0.0	
100	QPSK	135	138		21.90		23.0	1.0	
100	QPSK	270	0		21.93				
100	16QAM	1	1		21.71		21.5	2.5	
100	64QAM	1	1		20.36		19.5	4.5	
100	256QAM	1	1		18.03		17.5	4.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit	MPR	
90	QPSK	1	1		3745.02	3750	3765.01	24.0	0.0
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit	MPR	
80	QPSK	1	1		22.88	22.85	22.86	24.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR	
70	QPSK	1	1		3735	3750	3765	24.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR	
60	QPSK	1	1		3730.02	3750	3770.01	24.0	0.0
Channel									
Frequency (MHz)				64777	65000	65234	Tune-up limit	MPR	
50	QPSK	1	1		22.77	22.77	22.87	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit	MPR	
40	QPSK	1	1		3720	3750	3780	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR	
30	QPSK	1	1		3715.02	3750	3785.01	24.0	0.0
Channel									
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR	
20	QPSK	1	1		3710.01	3750	3790.02	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR	
15	QPSK	1	1		22.77	22.79	22.84	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR	
10	QPSK	1	1		22.90	22.75	22.86	24.0	0.0

Part270 n78 PC2 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.90				
100	PI2 BPSK	1	137		25.74		27.0	0.0	
100	PI2 BPSK	1	271		25.70				
100	PI2 BPSK	135	0		25.79		27.0	0.0	
100	PI2 BPSK	135	69		25.87		27.0	0.0	
100	PI2 BPSK	135	138		25.75		27.0	0.0	
100	PI2 BPSK	270	0		25.78				
100	QPSK	1	1		25.94		27.0	0.0	
100	QPSK	1	137		25.86				
100	QPSK	1	271		25.89				
100	QPSK	135	0		25.84		26.5	0.5	
100	QPSK	135	69		25.88		27.0	0.0	
100	QPSK	135	138		25.40		26.5	0.5	
100	QPSK	270	0		25.92				
100	16QAM	1	1		25.40		25.0	0.5	
100	64QAM	1	1		23.91		23.0	2.0	
100	256QAM	1	1		22.07		22.0	4.0	
Channel									
Frequency (MHz)				64988	65000	65034	Tune-up limit	MPR	
90	QPSK	1	1		3745.02	3750	3765.01	27.0	0.0
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit	MPR	
80	QPSK	1	1		25.91	25.90	25.91	27.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR	
70	QPSK	1	1		3735	3750	3765	27.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR	
60	QPSK	1	1		3730.02	3750	3770.01	27.0	0.0
Channel									
Frequency (MHz)				64777	65000	65234	Tune-up limit	MPR	
50	QPSK	1	1		25.77	25.78	25.84	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit	MPR	
40	QPSK	1	1		3720	3750	3780	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR	
30	QPSK	1	1		3715.02	3750	3785.01	27.0	0.0
Channel									
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR	
20	QPSK	1	1		3710.01	3750	3790.02	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR	
15	QPSK	1	1		25.77	25.91	25.88	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR	
10	QPSK	1	1		25.83	25.87	25.87	27.0	0.0

Part27Q n78 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		23.50				
100	PI2 BPSK	1	137		23.29		24.0	0.0	
100	PI2 BPSK	1	271		23.46				
100	PI2 BPSK	135	0		23.09		23.5	0.5	
100	PI2 BPSK	135	69		23.53		24.0	0.0	
100	PI2 BPSK	135	138		22.99		23.5	0.5	
100	PI2 BPSK	270	0		23.12				
100	QPSK	1	1		23.41		24.0	0.0	
100	QPSK	1	137		23.19				
100	QPSK	1	271		23.35				
100	QPSK	135	0		22.71		23.0	1.0	
100	QPSK	135	69		23.40		24.0	0.0	
100	QPSK	135	138		22.81		23.0	1.0	
100	QPSK	270	0		22.66				
100	16QAM	1	1		22.37		21.5	2.5	
100	64QAM	1	1		21.25		19.5	4.5	
100	256QAM	1	1		18.31		18.5	4.5	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit	MPR	
90	QPSK	1	1		3495	3500.01	3505.02	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63400	Tune-up limit	MPR	
80	QPSK	1	1		23.28	23.34	23.28	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit	MPR	
70	QPSK	1	1		23.34	23.39	23.25	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit	MPR	
60	QPSK	1	1		3490	3500.01	3510.02	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit	MPR	
50	QPSK	1	1		23.35	23.33	23.32	24.0	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit	MPR	
40	QPSK	1	1		3485.01	3500.01	3515.01	24.0	0.0
Channel									
Frequency (MHz)				62937	63334	63668	Tune-up limit	MPR	
30	QPSK	1	1		3480.02	3500.01	3520.02	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63600	Tune-up limit	MPR	
20	QPSK	1	1		23.33	23.34	23.28	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63600	Tune-up limit	MPR	
15	QPSK	1	1		23.28	23.31	23.26	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit	MPR	
10	QPSK	1	1		23.25	23.25	23.25	24.0	0.0



Part27Q n78 PC2 Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
					26.43			
100	PI2 BPSK	1	137		26.12		27.0	0.0
100	PI2 BPSK	1	271		26.39			
100	PI2 BPSK	135	0		26.23		27.0	0.0
100	PI2 BPSK	135	69		26.00		27.0	0.0
100	PI2 BPSK	135	138		26.12		27.0	0.0
100	PI2 BPSK	270	0		25.96			
100	QPSK	1	1		26.51			
100	QPSK	1	137		26.27		27.0	0.0
100	QPSK	1	271		26.40			
100	QPSK	135	0		26.81		26.5	0.5
100	QPSK	135	69		26.30		27.0	0.0
100	QPSK	135	138		25.89		26.5	0.5
100	QPSK	270	0		25.95			
100	16QAM	1	1		25.76		26.5	0.5
100	64QAM	1	1		24.17		25.0	2.0
100	256QAM	1	1		22.12		23.0	4.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	26.47	26.36	26.41	27.0	0.0
Channel								
Frequency (MHz)								
				63668	63334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3510		
80	QPSK	1	1	26.41	26.40	26.45	27.0	0.0
Channel								
Frequency (MHz)								
				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.47	26.41	26.37	27.0	0.0
Channel								
Frequency (MHz)								
				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	26.35	26.37	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	26.49	26.48	26.48	27.0	0.0
Channel								
Frequency (MHz)								
				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
				3478.01	3500.01	3528.01		
40	QPSK	1	1	26.41	26.43	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				63100	63334	63668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	26.34	26.47	26.42	27.0	0.0
Channel								
Frequency (MHz)								
				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	26.47	26.44	26.41	27.0	0.0
Channel								
Frequency (MHz)								
				63030	63334	63618	Tune-up limit (dBm)	MPR (dB)
				3451.5	3500.01	3542.5		
15	QPSK	1	1	26.45	26.49	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3543.01		
10	QPSK	1	1	26.36	26.47	26.43	27.0	0.0



n2 DS12_Simultaneous Ant2									
BW [MHz]	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)				1860	1880	1900			
20	PI2 BPSK	1	1	17.34	17.51	17.36			
20	PI2 BPSK	1	53	17.40	17.45	17.35	18.5	0.0	
20	PI2 BPSK	1	104	17.44	17.52	17.36			
20	PI2 BPSK	50	0	17.49	17.54	17.46	18.5	0.0	
20	PI2 BPSK	50	28	17.40	17.48	17.42	18.5	0.0	
20	PI2 BPSK	50	56	17.37	17.46	17.42	18.5	0.0	
20	PI2 BPSK	100	0	17.31	17.42	17.28			
20	QPSK	1	1	17.43	17.59	17.55			
20	QPSK	1	53	17.36	17.44	17.31	18.5	0.0	
20	QPSK	1	104	17.44	17.48	17.32			
20	QPSK	50	0	17.35	17.51	17.42	18.5	0.0	
20	QPSK	50	28	17.49	17.56	17.52	18.5	0.0	
20	QPSK	50	56	17.34	17.46	17.36	18.5	0.0	
20	QPSK	100	0	17.43	17.46	17.40			
20	16QAM	1	1	17.46	17.57	17.47	18.5	0.0	
20	16QAM	1	1	17.44	17.56	17.39	18.5	0.0	
20	256QAM	1	1	17.39	17.47	17.42	18.5	0.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	17.39	17.57	17.51	18.5	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	17.31	17.46	17.52	18.5	0.0	
Channel									
Frequency (MHz)				370600	376000	381500			
5	QPSK	1	1	17.31	17.57	17.44	18.5	0.0	

n5 Default Ant2									
BW [MHz]	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)				166800	167300	167800			
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38			
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51			
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	16QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	24.0	0.0	
Channel									
Frequency (MHz)				163300	163300	163300			
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166800	167300	168300			
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166300	167300	169300			
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DS12_Simultaneous Ant2									
BW [MHz]	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)				506000	507000	510000			
40	PI2 BPSK	1	1	12.00	11.95	11.96			
40	PI2 BPSK	1	108	11.79	11.93	11.90	13.2	0.0	
40	PI2 BPSK	1	214	11.93	12.00	11.97			
40	PI2 BPSK	108	0	11.91	11.93	11.80	13.2	0.0	
40	PI2 BPSK	108	54	11.90	11.97	11.81	13.2	0.0	
40	PI2 BPSK	108	108	11.84	12.01	11.89	13.2	0.0	
40	PI2 BPSK	216	0	11.82	11.99	11.78			
40	QPSK	1	1	11.89	12.04	11.89			
40	QPSK	1	108	11.88	12.02	11.86	13.2	0.0	
40	QPSK	1	214	11.81	11.92	11.85			
40	QPSK	108	0	11.76	11.91	11.77	13.2	0.0	
40	QPSK	108	54	11.83	12.01	11.88	13.2	0.0	
40	QPSK	108	108	11.78	11.93	11.78	13.2	0.0	
40	QPSK	216	0	11.87	11.92	11.82			
40	16QAM	1	1	11.75	12.03	11.81	13.2	0.0	
40	16QAM	1	1	11.87	11.97	11.82	13.2	0.0	
40	256QAM	1	1	11.64	11.98	11.76	13.2	0.0	
Channel									
Frequency (MHz)				505000	507000	510000			
30	QPSK	1	1	11.86	12.01	11.86	13.2	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	11.82	12.00	11.86	13.2	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	11.95	11.99	11.82	13.2	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	11.86	12.00	11.80	13.2	0.0	
Channel									
Frequency (MHz)				500500	507000	513000			
10	QPSK	1	1	11.86	11.96	11.82	13.2	0.0	
Channel									
Frequency (MHz)				500000	507000	513500			
5	QPSK	1	1	11.79	12.00	11.81	13.2	0.0	



n25 DSI2_Simultaneous Ant2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	17.45	17.65	17.82		
40	PI2 BPSK	1	108	17.55	17.58	17.51	18.5	0.0
40	PI2 BPSK	1	214	17.59	17.65	17.63		
40	PI2 BPSK	108	0	17.51	17.60	17.55	18.5	0.0
40	PI2 BPSK	108	54	17.43	17.58	17.46	18.5	0.0
40	PI2 BPSK	108	108	17.48	17.62	17.53	18.5	0.0
40	PI2 BPSK	216	0	17.58	17.60	17.43		
40	QPSK	1	1	17.59	17.69	17.53		
40	QPSK	1	108	17.58	17.60	17.49	18.5	0.0
40	QPSK	1	214	17.50	17.65	17.50		
40	QPSK	108	0	17.47	17.53	17.44	18.5	0.0
40	QPSK	108	54	17.59	17.65	17.51	18.5	0.0
40	QPSK	108	108	17.58	17.62	17.49	18.5	0.0
40	QPSK	216	0	17.55	17.57	17.50		
40	16QAM	1	1	17.51	17.60	17.46	18.5	0.0
40	64QAM	1	1	17.41	17.53	17.40	18.5	0.0
40	256QAM	1	1	17.44	17.45	17.21	18.5	0.0
Channel				379000	379500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1882.5	1900		
30	QPSK	1	1	17.57	17.66	17.48	18.5	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1825	1882.5	1902.5		
25	QPSK	1	1	17.55	17.60	17.47	18.5	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1800	1882.5	1905		
20	QPSK	1	1	17.54	17.64	17.45	18.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	17.52	17.63	17.44	18.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	17.50	17.65	17.51	18.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	17.51	17.61	17.48	18.5	0.0

n30 DSI2_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					401500	402000			
Frequency (MHz)					2310				
10	PI2 BPSK	1	1		13.33				
10	PI2 BPSK	1	26		13.28		14.5	0.0	
10	PI2 BPSK	1	50		13.25				
10	PI2 BPSK	25	0		13.32		14.5	0.0	
10	PI2 BPSK	25	14		13.29		14.5	0.0	
10	PI2 BPSK	25	27		13.28		14.5	0.0	
10	PI2 BPSK	50	0		13.28				
10	QPSK	1	1		13.41				
10	QPSK	1	26		13.30		14.5	0.0	
10	QPSK	1	50		13.34				
10	QPSK	25	0		13.28		14.5	0.0	
10	QPSK	25	14		13.32		14.5	0.0	
10	QPSK	25	27		13.30		14.5	0.0	
10	QPSK	50	0		13.32				
10	16QAM	1	1		13.27		14.5	0.0	
10	64QAM	1	1		13.25		14.5	0.0	
10	256QAM	1	1		13.20		14.5	0.0	
Channel				2307.5	2310	2312.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.38	13.25	13.38			
5	QPSK	1	1		13.38	13.25	13.38	14.5	0.0

n66 DSI2_Simultaneous Ant2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	19.28	19.38	19.23		
40	PI2 BPSK	1	108	19.33	19.39	19.35	20.0	0.0
40	PI2 BPSK	1	214	19.35	19.40	19.27		
40	PI2 BPSK	108	0	19.44	19.50	19.47	20.0	0.0
40	PI2 BPSK	108	54	19.34	19.44	19.35	20.0	0.0
40	PI2 BPSK	108	108	19.33	19.43	19.28	20.0	0.0
40	PI2 BPSK	216	0	19.45	19.49	19.35		
40	QPSK	1	1	19.43	19.53	19.37		
40	QPSK	1	108	19.28	19.43	19.27	20.0	0.0
40	QPSK	1	214	19.45	19.48	19.38		
40	QPSK	108	0	19.28	19.38	19.28	20.0	0.0
40	QPSK	108	54	19.37	19.45	19.29	20.0	0.0
40	QPSK	108	108	19.38	19.41	19.32	20.0	0.0
40	QPSK	216	0	19.29	19.40	19.31		
40	16QAM	1	1	19.38	19.48	19.31	20.0	0.0
40	64QAM	1	1	19.34	19.48	19.46	20.0	0.0
40	256QAM	1	1	19.20	19.30	19.34	20.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.28	19.36	19.24	20.0	0.0
Channel				344000	349000	348000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1760		
20	QPSK	1	1	19.27	19.43	19.22	20.0	0.0
Channel				343000	349000	345000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.29	19.40	19.28	20.0	0.0
Channel				342000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.29	19.44	19.22	20.0	0.0



n70 DSI2_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq. 340500	Power High Ch. / Freq.		
Channel				1702.5				
Frequency (MHz)								
15	PI2 BPSK	1	1	20.48			21.0	0.0
15	PI2 BPSK	1	49	20.57				
15	PI2 BPSK	1	77	20.59				
15	PI2 BPSK	36	0	20.55			21.0	0.0
15	PI2 BPSK	36	22	20.55			21.0	0.0
15	PI2 BPSK	36	43	20.49			21.0	0.0
15	PI2 BPSK	75	0	20.57				
15	QPSK	1	1	20.61				
15	QPSK	1	49	20.52			21.0	0.0
15	QPSK	1	77	20.51				
15	QPSK	36	0	20.54			21.0	0.0
15	QPSK	36	22	20.59			21.0	0.0
15	QPSK	36	43	20.53			21.0	0.0
15	QPSK	72	0	20.45				
15	16QAM	1	1	20.54			21.0	0.0
15	16QAM	1	1	20.40			21.0	0.0
15	25QAM	1	1	19.26			20.0	1.0
Channel				340200	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	20.55	20.47	20.45	21.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	20.58	20.51	20.45	21.0	0.0



n38 DSI2_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				517002	519000	520998			
Frequency (MHz)				2562.01	2595	2624.99			
30	PI2 BPSK	1	1	13.41	13.56	13.50			
30	PI2 BPSK	1	49	13.57	13.46	13.82	14.5	0.0	
30	PI2 BPSK	1	78	13.27	13.35	13.23			
30	PI2 BPSK	36	0	13.48	13.53	13.50	14.5	0.0	
30	PI2 BPSK	36	21	13.40	13.53	13.52	14.5	0.0	
30	PI2 BPSK	36	42	13.44	13.52	13.28	14.5	0.0	
30	PI2 BPSK	75	0	13.39	13.46	13.46			
30	QPSK	1	1	13.53	13.65	13.54			
30	QPSK	1	49	13.55	13.45	13.42	14.5	0.0	
30	QPSK	1	78	13.41	13.59	13.48			
30	QPSK	36	0	13.41	13.38	13.23	14.5	0.0	
30	QPSK	36	21	13.47	13.56	13.39	14.5	0.0	
30	QPSK	36	42	13.52	13.51	13.44	14.5	0.0	
30	QPSK	75	0	13.44	13.56	13.35			
30	16QAM	1	1	13.34	13.45	13.40	14.5	0.0	
30	64QAM	1	1	13.50	13.82	13.44	14.5	0.0	
30	256QAM	1	1	13.51	13.51	13.50	14.5	0.0	
Channel				515004	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2607.48			
25	QPSK	1	1	13.59	13.53	13.00	14.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2560	2595	2610			
20	QPSK	1	1	13.52	13.61	13.59	14.5	0.0	
Channel				515002	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.48			
15	QPSK	1	1	13.54	13.53	13.53	14.5	0.0	
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2573.02	2595	2614.98			
10	QPSK	1	1	13.60	13.53	13.51	14.5	0.0	

n41 DSI2_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518998	520900			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	13.45	13.58	13.52			
100	PI2 BPSK	1	137	13.60	13.60	13.55	14.5	0.0	
100	PI2 BPSK	1	271	13.38	13.46	13.34			
100	PI2 BPSK	135	0	13.60	13.63	13.54	14.5	0.0	
100	PI2 BPSK	135	69	13.51	13.56	13.60	14.5	0.0	
100	PI2 BPSK	135	138	13.50	13.57	13.40	14.5	0.0	
100	PI2 BPSK	270	0	13.52	13.51	13.54			
100	QPSK	1	1	13.66	13.67	13.64			
100	QPSK	1	197	13.48	13.57	13.44	14.5	0.0	
100	QPSK	1	271	13.48	13.62	13.51			
100	QPSK	135	0	13.44	13.51	13.35	14.5	0.0	
100	QPSK	135	69	13.57	13.67	13.44	14.5	0.0	
100	QPSK	135	138	13.44	13.62	13.53	14.5	0.0	
100	QPSK	270	0	13.58	13.64	13.43			
100	16QAM	1	1	13.41	13.53	13.46	14.5	0.0	
100	64QAM	1	1	13.53	13.65	13.55	14.5	0.0	
100	256QAM	1	1	13.54	13.54	13.54	14.5	0.0	
Channel				505000	518998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	13.62	13.57	13.58	14.5	0.0	
Channel				507204	518998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	1	13.63	13.57	13.58	14.5	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	13.62	13.58	13.50	14.5	0.0	
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	13.53	13.63	13.52	14.5	0.0	
Channel				2521.02	2592.99	2654.99	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	QPSK	1	1	13.55	13.56	13.52	14.5	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2610			
40	QPSK	1	1	13.55	13.65	13.52	14.5	0.0	
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	13.52	13.57	13.57	14.5	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	13.53	13.57	13.51	14.5	0.0	



n41 PC2 DSI2_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	528600			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	18.20	18.20	18.17			
100	PI2 BPSK	1	137	18.21	18.22	18.16	17.5	0.0	
100	PI2 BPSK	1	271	18.17	18.18	18.08			
100	PI2 BPSK	135	0	18.06	18.30	18.08	17.5	0.0	
100	PI2 BPSK	135	69	18.20	18.20	18.18	17.5	0.0	
100	PI2 BPSK	135	138	18.09	18.25	18.17	17.5	0.0	
100	PI2 BPSK	270	0	18.21	18.22	18.18			
100	QPSK	1	1	18.28	18.39	18.24			
100	QPSK	1	137	18.12	18.28	18.18	17.5	0.0	
100	QPSK	1	271	18.09	18.19	18.15			
100	QPSK	135	0	18.11	18.19	18.19	17.5	0.0	
100	QPSK	135	69	18.17	18.37	18.23	17.5	0.0	
100	QPSK	135	138	18.10	18.18	18.25	17.5	0.0	
100	QPSK	270	0	18.20	18.20	18.19			
100	16QAM	1	1	18.12	18.31	18.25	17.5	0.0	
100	64QAM	1	1	18.19	18.17	18.13	17.5	0.0	
100	256QAM	1	1	18.06	18.11	18.01	17.5	0.0	
Channel				510500	519598	529600			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	18.14	18.33	18.12	17.5	0.0	
Channel				507204	518598	529598			
Frequency (MHz)				2638.01	2692.99	2648.99			
80	QPSK	1	1	18.16	18.28	18.21	17.5	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2695			
70	QPSK	1	1	18.22	18.30	18.12	17.5	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2428	2592.99	2699.98			
60	QPSK	1	1	18.22	18.35	18.18	17.5	0.0	
Channel				505004	518598	532000			
Frequency (MHz)				2521.02	2592.99	2694.99			
50	QPSK	1	1	18.18	18.33	18.16	17.5	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2418.01	2592.99	2792			
40	QPSK	1	1	18.23	18.38	18.19	17.5	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2511	2592.99	2874.98			
30	QPSK	1	1	18.14	18.32	18.10	17.5	0.0	
Channel				501004	518598	535998			
Frequency (MHz)				2606.02	2592.99	2879.99			
20	QPSK	1	1	18.18	18.36	18.14	17.5	0.0	

n48 Part96 DSI2_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3570	3624.99	3678.98			
40	PI2 BPSK	1	1	15.88	16.04	15.92			
40	PI2 BPSK	1	53	15.99	16.01	15.93	17.3	0.0	
40	PI2 BPSK	1	104	15.75	16.00	15.87			
40	PI2 BPSK	50	0	15.76	15.93	15.89	17.3	0.0	
40	PI2 BPSK	50	25	15.88	16.07	15.92	17.3	0.0	
40	PI2 BPSK	50	56	15.88	16.09	15.85	17.3	0.0	
40	PI2 BPSK	100	0	15.98	16.04	15.92			
40	QPSK	1	1	16.00	16.21	16.19			
40	QPSK	1	53	16.05	16.08	15.93	17.3	0.0	
40	QPSK	1	104	16.08	16.03	15.91			
40	QPSK	50	0	16.00	16.03	15.99	17.3	0.0	
40	QPSK	50	25	15.98	16.09	15.96	17.3	0.0	
40	QPSK	50	56	15.89	16.05	15.87	17.3	0.0	
40	QPSK	100	0	15.98	16.00	15.95			
40	16QAM	1	1	16.02	16.04	16.01	17.3	0.0	
40	64QAM	1	1	16.00	16.00	15.87	17.3	0.0	
40	256QAM	1	1	15.85	15.58	15.63	17.3	0.0	
Channel				637000	641666	645666			
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	15.90	16.10	16.16	17.3	0.0	
Channel				637004	641666	646000			
Frequency (MHz)				3669.01	3624.99	3690			
20	QPSK	1	1	15.93	16.13	16.08	17.3	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3665	3624.99	3694.98			
10	QPSK	1	1	15.93	16.09	16.06	17.3	0.0	



Part270 n77 DSI2_Simultaneous Ant2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	15.00	15.06	14.86				
100	PI2 BPSK	1	137	15.01	15.17	15.00	16.2	0.0		
100	PI2 BPSK	1	271	15.11	15.11	15.05				
100	PI2 BPSK	135	0	15.00	15.08	14.97	16.2	0.0		
100	PI2 BPSK	135	69	15.00	15.14	14.94	16.2	0.0		
100	PI2 BPSK	135	138	15.01	15.15	15.02	16.2	0.0		
100	PI2 BPSK	270	0	15.05	15.11	15.01				
100	QPSK	1	1	15.04	15.25	15.16				
100	QPSK	1	137	15.03	15.06	15.00	16.2	0.0		
100	QPSK	1	271	14.95	15.08	14.95				
100	QPSK	135	0	14.88	15.04	15.01	16.2	0.0		
100	QPSK	135	69	15.07	15.16	14.99	16.2	0.0		
100	QPSK	135	138	14.89	15.04	14.91	16.2	0.0		
100	QPSK	270	0	15.08	15.11	15.06				
100	16QAM	1	1	15.05	15.10	15.05	16.2	0.0		
100	64QAM	1	1	14.85	15.11	15.00	16.2	0.0		
100	256QAM	1	1	14.57	15.03	14.84	16.2	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	15.07	15.21	15.14	16.2	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	14.93	15.23	15.08	16.2	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	14.99	15.22	15.07	16.2	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	15.09	15.20	15.09	16.2	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	15.01	15.24	15.06	16.2	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	15.03	15.21	15.13	16.2	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	15.03	15.21	15.13	16.2	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	15.03	15.21	15.06	16.2	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	14.98	15.20	15.14	16.2	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	15.10	15.21	15.07	16.2	0.0		

Part270 n77 PC2 DSI2_Simultaneous Ant2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	18.27	18.34	18.32				
100	PI2 BPSK	1	137	18.11	18.20	18.18	19.2	0.0		
100	PI2 BPSK	1	271	18.14	18.35	18.28				
100	PI2 BPSK	135	0	18.32	18.38	18.24	19.2	0.0		
100	PI2 BPSK	135	69	18.17	18.25	18.20	19.2	0.0		
100	PI2 BPSK	135	138	18.17	18.33	18.14	19.2	0.0		
100	PI2 BPSK	270	0	18.23	18.29	18.19				
100	QPSK	1	1	18.27	18.42	18.40				
100	QPSK	1	137	18.25	18.36	18.34	19.2	0.0		
100	QPSK	1	271	18.15	18.34	18.31				
100	QPSK	135	0	18.22	18.27	18.12	19.2	0.0		
100	QPSK	135	69	18.28	18.36	18.34	19.2	0.0		
100	QPSK	135	138	18.20	18.33	18.21	19.2	0.0		
100	QPSK	270	0	18.25	18.32	18.27				
100	16QAM	1	1	18.14	18.25	18.10	19.2	0.0		
100	64QAM	1	1	18.23	18.36	18.25	19.2	0.0		
100	256QAM	1	1	18.08	18.24	18.16	19.2	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.27	18.35	18.29	19.2	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.27	18.33	18.32	19.2	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.24	18.33	18.32	19.2	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.22	18.34	18.30	19.2	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.24	18.35	18.31	19.2	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.16	18.34	18.27	19.2	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.17	18.35	18.30	19.2	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.22	18.34	18.31	19.2	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.21	18.34	18.28	19.2	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.25	18.35	18.30	19.2	0.0		

Part270 n77 DSI2_Simultaneous Ant2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1		350.01					
100	PI2 BPSK	1	137		350.01		16.2	0.0		
100	PI2 BPSK	1	271		350.01					
100	PI2 BPSK	135	0		350.01		16.2	0.0		
100	PI2 BPSK	135	69		350.01		16.2	0.0		
100	PI2 BPSK	135	138		350.01		16.2	0.0		
100	PI2 BPSK	270	0		350.01		16.2	0.0		
100	QPSK	1	1		350.01					
100	QPSK	1	137		350.01		16.2	0.0		
100	QPSK	1	271		350.01					
100	QPSK	135	0		350.01		16.2	0.0		
100	QPSK	135	69		350.01		16.2	0.0		
100	QPSK	135	138		350.01		16.2	0.0		
100	QPSK	270	0		350.01		16.2	0.0		
100	16QAM	1	1		350.01		16.2	0.0		
100	64QAM	1	1		350.01		16.2	0.0		
100	256QAM	1	1		350.01		16.2	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63355	63368	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	63495	63501	63502	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	63495	63501	63502	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63495	63501	63502	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	63495	63501	63502	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	63495	63501	63502	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	63495	63501	63502	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	63495	63501	63502	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
15	QPSK	1	1	63495	63501	63502	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	63495	63501	63502	Tune-up limit	MPR		



Part27Q n77 PC2 DSI2_Simultaneous Ant2

BW [MHz]	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		3500.01			
100	PI2 BPSK	1	137		18.20			
100	PI2 BPSK	1	271		18.04		19.2	0.0
100	PI2 BPSK	135	0		18.38			
100	PI2 BPSK	135	0		18.06		19.2	0.0
100	PI2 BPSK	135	69		18.22		19.2	0.0
100	PI2 BPSK	135	138		18.26			
100	PI2 BPSK	270	0		18.18		19.2	0.0
100	QPSK	1	1		18.50			
100	QPSK	1	137		18.20			
100	QPSK	1	271		18.24		19.2	0.0
100	QPSK	135	0		18.17		19.2	0.0
100	QPSK	135	69		18.45		19.2	0.0
100	QPSK	135	138		18.30		19.2	0.0
100	QPSK	270	0		18.40			
100	16QAM	1	1		18.11		19.2	0.0
100	64QAM	1	1		18.11		19.2	0.0
100	256QAM	1	1		17.98		19.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
80	QPSK	1	1	18.24	18.17	18.12	19.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	18.30	18.17	18.16	19.2	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	18.29	18.17	18.11	19.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	18.23	18.09	18.12	19.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631800	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	18.21	18.12	18.16	19.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	18.29	18.12	18.16	19.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	18.28	18.09	18.20	19.2	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	18.25	18.09	18.16	19.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636308	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	18.29	18.12	18.20	19.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	18.21	18.13	18.10	19.2	0.0



Part270 n78 DSI2_Simultaneous Ant2

BW (MHz)	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	3750	3750	3750		
100	PI2 BPSK	1	137		14.33		18.2	0.0
100	PI2 BPSK	1	271		14.33			
100	PI2 BPSK	135	0		14.42		18.2	0.0
100	PI2 BPSK	135	69		14.34		18.2	0.0
100	PI2 BPSK	135	138		14.41		18.2	0.0
100	PI2 BPSK	270	0		14.34		18.2	0.0
100	QPSK	1	1		14.45			
100	QPSK	1	137		14.33		18.2	0.0
100	QPSK	1	271		14.33			
100	QPSK	135	0		14.33		18.2	0.0
100	QPSK	135	69		14.41		18.2	0.0
100	QPSK	135	138		14.28		18.2	0.0
100	QPSK	270	0		14.33		18.2	0.0
100	16QAM	1	1		14.40		18.2	0.0
100	64QAM	1	1		14.41		18.2	0.0
100	256QAM	1	1		14.29		18.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64988	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	18.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.23	14.27	14.23	18.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3750	3765	18.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3770.01	18.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.29	17.31	17.33	19.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.32	17.26	17.31	19.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.27	17.24	17.30	19.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3765.01	18.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64734	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3710.01	3750	3760.02	18.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.22	14.21	14.22	18.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	19.2	0.0

Part270 n78 PC2 DSI2_Simultaneous Ant2

BW (MHz)	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	3750	3750	3750		
100	PI2 BPSK	1	137		17.26		19.2	0.0
100	PI2 BPSK	1	271		17.24			
100	PI2 BPSK	135	0		17.25		19.2	0.0
100	PI2 BPSK	135	69		17.30		19.2	0.0
100	PI2 BPSK	135	138		17.22		19.2	0.0
100	PI2 BPSK	270	0		17.25		19.2	0.0
100	QPSK	1	1		17.45			
100	QPSK	1	137		17.25		19.2	0.0
100	QPSK	1	271		17.22			
100	QPSK	135	0		17.22		19.2	0.0
100	QPSK	135	69		17.36		19.2	0.0
100	QPSK	135	138		17.26		19.2	0.0
100	QPSK	270	0		17.23		19.2	0.0
100	16QAM	1	1		17.21		19.2	0.0
100	64QAM	1	1		17.23		19.2	0.0
100	256QAM	1	1		17.28		19.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64988	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.31	17.26	17.28	19.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.29	17.29	17.30	19.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.32	17.25	17.31	19.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3770.01	18.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.29	17.31	17.33	19.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.32	17.26	17.31	19.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.31	17.24	17.30	19.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3765.01	18.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64734	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3710.01	3750	3760.02	18.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.27	17.26	17.33	19.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	19.2	0.0

Part27Q n78 DSI2_Simultaneous Ant2

BW (MHz)	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		3500.01			
100	PI2 BPSK	1	137		14.81		18.2	0.0
100	PI2 BPSK	1	271		14.82			
100	PI2 BPSK	135	0		14.84		18.2	0.0
100	PI2 BPSK	135	69		14.86		18.2	0.0
100	PI2 BPSK	135	138		14.85		18.2	0.0
100	PI2 BPSK	270	0		14.86		18.2	0.0
100	QPSK	1	1		14.88			
100	QPSK	1	137		14.84		18.2	0.0
100	QPSK	1	271		14.80			
100	QPSK	135	0		14.84		18.2	0.0
100	QPSK	135	69		14.81		18.2	0.0
100	QPSK	135	138		14.85		18.2	0.0
100	QPSK	270	0		14.83		18.2	0.0
100	16QAM	1	1		14.86		18.2	0.0
100	64QAM	1	1		14.83		18.2	0.0
100	256QAM	1	1		14.80		18.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63355	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	18.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63400	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.49	14.44	14.47	18.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.50	14.40	14.47	18.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3490	3500.01	3505.02	18.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.52	14.39	14.41	18.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63166	63334	63500	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.47	14.41	14.40	18.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.46	14.44	14.44	18.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63100	63334	63568	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3485	3500.01	3505.01	18.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63068	63334	63600	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.48	14.45	14.46	18.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63034	63334	63634	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.52	14.41	14.47	18.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63000	63334	63668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.48	14.44	14.46	18.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3480.01	3500.01	3520.01	19.2	0.0



Part27Q n78 PC2 DSI2_Simultaneous Ant2

BW [MHz]	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		3500.01			
100	PI2 BPSK	1	137		17.48			
100	PI2 BPSK	1	271		17.37		19.2	0.0
100	PI2 BPSK	135	0		17.60			
100	PI2 BPSK	135	69		17.34		19.2	0.0
100	PI2 BPSK	135	138		17.49		19.2	0.0
100	PI2 BPSK	270	0		17.25			
100	PI2 BPSK	270	0		17.21		19.2	0.0
100	QPSK	1	1		17.69			
100	QPSK	1	197		17.36			
100	QPSK	1	271		17.54		19.2	0.0
100	QPSK	135	0		17.24		19.2	0.0
100	QPSK	135	69		17.40		19.2	0.0
100	QPSK	135	138		17.27		19.2	0.0
100	QPSK	270	0		17.26			
100	16QAM	1	1		17.42		19.2	0.0
100	64QAM	1	1		17.32		19.2	0.0
100	256QAM	1	1		17.29		19.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.38	17.31	17.38	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	63068	63334	63400	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3495.02	3500.01	3505.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.37	17.33	17.40	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.38	17.37	17.40	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3470.01	3500.01	3500.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.40	17.30	17.36	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.39	17.33	17.39	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.38	17.34	17.36	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	63030	63334	63618	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3542.5	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.43	17.31	17.37	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3452.01	3500.01	3542.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.40	17.35	17.35	Tune-up limit (dBm)	MPR (dB)



n2 DSI2_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	16.74	16.90	16.82			
20	PI2 BPSK	1	53	16.78	16.90	16.78	18.2	0.0	
20	PI2 BPSK	1	104	16.78	16.95	16.91			
20	PI2 BPSK	50	0	16.82	16.99	16.85	18.2	0.0	
20	PI2 BPSK	50	28	16.88	16.98	16.95	18.2	0.0	
20	PI2 BPSK	50	56	16.94	17.03	16.93	18.2	0.0	
20	PI2 BPSK	100	0	16.84	16.97	16.91			
20	QPSK	1	1	17.01	17.07	16.92			
20	QPSK	1	53	16.99	17.05	16.97	18.2	0.0	
20	QPSK	1	104	16.91	17.01	16.89			
20	QPSK	50	0	16.93	16.97	16.89	18.2	0.0	
20	QPSK	50	28	16.95	17.02	16.85	18.2	0.0	
20	QPSK	50	56	16.91	16.96	16.92	18.2	0.0	
20	QPSK	100	0	16.86	16.96	16.93			
20	16QAM	1	1	16.86	16.97	16.91	18.2	0.0	
20	64QAM	1	1	16.93	17.04	16.88	18.2	0.0	
20	256QAM	1	1	16.94	16.99	16.96	18.2	0.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	16.88	16.97	16.85	18.2	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	16.85	16.94	16.80	18.2	0.0	
Channel									
Frequency (MHz)				370000	376000	381500			
5	QPSK	1	1	16.98	17.03	16.85	18.2	0.0	

n7 DSI2_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	16.12	16.16	16.01			
40	PI2 BPSK	1	108	16.02	16.13	16.09	17.1	0.0	
40	PI2 BPSK	1	214	15.90	16.03	16.00			
40	PI2 BPSK	108	0	15.92	16.06	15.98	17.1	0.0	
40	PI2 BPSK	108	54	16.05	16.11	15.95	17.1	0.0	
40	PI2 BPSK	108	108	15.91	16.05	16.02	17.1	0.0	
40	PI2 BPSK	216	0	16.03	16.08	16.03			
40	QPSK	1	1	16.17	16.20	16.04			
40	QPSK	1	108	16.02	16.08	16.00	17.1	0.0	
40	QPSK	1	214	15.91	16.06	15.91			
40	QPSK	108	0	16.00	16.12	15.98	17.1	0.0	
40	QPSK	108	54	16.10	16.16	16.02	17.1	0.0	
40	QPSK	108	108	16.01	16.10	16.07	17.1	0.0	
40	QPSK	216	0	15.98	16.03	15.98			
40	16QAM	1	1	15.94	16.05	15.93	17.1	0.0	
40	64QAM	1	1	15.85	16.00	15.97	17.1	0.0	
40	256QAM	1	1	15.88	15.92	15.83	17.1	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
30	QPSK	1	1	16.06	16.12	16.01	17.1	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	16.11	16.10	16.00	17.1	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	16.04	16.10	15.95	17.1	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	16.03	16.16	15.90	17.1	0.0	
Channel									
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.10	16.07	15.98	17.1	0.0	
Channel									
Frequency (MHz)				500500	507000	512000			
5	QPSK	1	1	16.08	16.16	15.98	17.1	0.0	

n25 DSI2_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1822.5	1895			
40	PI2 BPSK	1	1	16.90	17.12	17.06			
40	PI2 BPSK	1	108	17.00	17.15	17.03	18.2	0.0	
40	PI2 BPSK	1	214	17.08	17.16	17.13			
40	PI2 BPSK	108	0	17.00	17.16	17.03	18.2	0.0	
40	PI2 BPSK	108	54	16.95	17.03	16.99	18.2	0.0	
40	PI2 BPSK	108	108	17.02	17.13	17.06	18.2	0.0	
40	PI2 BPSK	216	0	16.94	17.10	17.05			
40	QPSK	1	1	17.09	17.20	17.13			
40	QPSK	1	108	16.96	17.10	17.06	18.2	0.0	
40	QPSK	1	214	17.04	17.08	17.05			
40	QPSK	108	0	16.89	17.03	17.00	18.2	0.0	
40	QPSK	108	54	17.07	17.15	17.00	18.2	0.0	
40	QPSK	108	108	16.95	17.04	17.00	18.2	0.0	
40	QPSK	216	0	16.93	17.05	16.96			
40	16QAM	1	1	16.90	17.06	16.96	18.2	0.0	
40	64QAM	1	1	17.08	17.13	17.08	18.2	0.0	
40	256QAM	1	1	16.97	17.03	16.98	18.2	0.0	
Channel									
Frequency (MHz)				1865	1822.5	1900			
30	QPSK	1	1	16.78	17.01	16.94	18.2	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	16.89	16.93	16.98	18.2	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	16.97	17.05	16.94	18.2	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	16.88	17.05	16.96	18.2	0.0	
Channel									
Frequency (MHz)				1865	1822.5	1910			
10	QPSK	1	1	16.81	17.01	16.99	18.2	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	16.87	16.95	16.89	18.2	0.0	



n30 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)				1716					
10	PI2 BPSK	1	1	17.16					
10	PI2 BPSK	1	26	17.12			18.3	0.0	
10	PI2 BPSK	1	50	17.10					
10	PI2 BPSK	25	0	17.22			18.3	0.0	
10	PI2 BPSK	25	14	17.14			18.3	0.0	
10	PI2 BPSK	25	27	17.16			18.3	0.0	
10	PI2 BPSK	50	0	17.17					
10	QPSK	1	1	17.25					
10	QPSK	1	26	17.23			18.3	0.0	
10	QPSK	1	50	17.14					
10	QPSK	25	0	17.11			18.3	0.0	
10	QPSK	25	14	17.14			18.3	0.0	
10	QPSK	25	27	17.08			18.3	0.0	
10	QPSK	50	0	17.05					
10	16QAM	1	1	17.22			18.3	0.0	
10	16QAM	1	1	17.13			18.3	0.0	
10	25QAM	1	1	17.11			18.3	0.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	17.06	17.23	17.10	18.3	0.0	

n66 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000					
Frequency (MHz)				1725					
40	PI2 BPSK	1	1	18.27	18.37	18.22			
40	PI2 BPSK	1	108	18.17	18.30	18.22	19.8	0.0	
40	PI2 BPSK	1	214	18.20	18.29	18.23			
40	PI2 BPSK	108	0	18.23	18.33	18.17	19.8	0.0	
40	PI2 BPSK	108	54	18.22	18.34	18.30	19.8	0.0	
40	PI2 BPSK	108	108	18.15	18.25	18.22			
40	PI2 BPSK	216	0	18.19	18.28	18.22	19.8	0.0	
40	QPSK	1	1	18.33	18.40	18.35			
40	QPSK	1	108	18.26	18.34	18.29	19.8	0.0	
40	QPSK	1	214	18.25	18.32	18.27			
40	QPSK	108	0	18.20	18.30	18.23	19.8	0.0	
40	QPSK	108	54	18.33	18.36	18.26	19.8	0.0	
40	QPSK	108	108	18.24	18.28	18.22	19.8	0.0	
40	QPSK	216	0	18.21	18.31	18.21			
40	16QAM	1	1	18.20	18.37	18.24	19.8	0.0	
40	16QAM	1	1	18.30	18.33	18.31	19.8	0.0	
40	25QAM	1	1	18.14	18.23	18.11	19.8	0.0	
Channel				345500	346000	346500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.18	18.38	18.25	19.8	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	18.24	18.28	18.22	19.8	0.0	
Channel				343500	346000	346500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.23	18.35	18.25	19.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.27	18.37	18.25	19.8	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.26	18.27	18.26	19.8	0.0	

n70 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000					
Frequency (MHz)				1722.5					
15	PI2 BPSK	1	1		20.01				
15	PI2 BPSK	1	40		19.98		21.1	0.0	
15	PI2 BPSK	1	77		19.94				
15	PI2 BPSK	36	0		19.90		21.1	0.0	
15	PI2 BPSK	36	22		19.93		21.1	0.0	
15	PI2 BPSK	36	43		19.87				
15	PI2 BPSK	75	0		19.93		21.1	0.0	
15	QPSK	1	1		20.05				
15	QPSK	1	43		20.06		21.1	0.0	
15	QPSK	1	77		19.95				
15	QPSK	36	0		19.91		21.1	0.0	
15	QPSK	36	22		19.99		21.1	0.0	
15	QPSK	36	43		19.87		21.1	0.0	
15	QPSK	75	0		19.95				
15	16QAM	1	1		20.00		21.1	0.0	
15	16QAM	1	1		19.85		21.1	0.0	
15	25QAM	1	1		19.15		19.5	1.0	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1760	1762.5	1765			
10	QPSK	1	1	19.91	19.99	19.94	21.1	0.0	
Channel				339500	345000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	19.85	20.04	19.95	21.1	0.0	



n38 DS12_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				517002	519000	520998			
Frequency (MHz)				2562.01	2595	2624.99			
30	PI2 BPSK	1	1	16.59	16.72	16.57			
30	PI2 BPSK	1	49	16.60	16.62	16.47	17.5	0.0	
30	PI2 BPSK	1	76	16.61	16.67	16.60			
30	PI2 BPSK	36	0	16.53	16.66	16.58	17.5	0.0	
30	PI2 BPSK	36	21	16.61	16.69	16.57	17.5	0.0	
30	PI2 BPSK	36	42	16.67	16.73	16.70			
30	PI2 BPSK	75	0	16.54	16.69	16.64			
30	QPSK	1	1	16.62	16.78	16.71			
30	QPSK	1	49	16.54	16.71	16.68	17.5	0.0	
30	QPSK	1	76	16.55	16.65	16.57			
30	QPSK	36	0	16.52	16.64	16.61	17.5	0.0	
30	QPSK	36	21	16.58	16.74	16.66	17.5	0.0	
30	QPSK	36	42	16.50	16.67	16.58	17.5	0.0	
30	QPSK	75	0	16.50	16.65	16.57			
30	16QAM	1	1	16.58	16.63	16.55	17.5	0.0	
30	16QAM	1	1	16.58	16.61	16.45	17.5	0.0	
30	256QAM	1	1	16.44	16.54	16.43	17.5	0.0	
Channel				515004	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2607.48			
25	QPSK	1	1	16.57	16.71	16.55	17.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2567.51	2595	2612.49			
20	QPSK	1	1	16.48	16.75	16.63	17.5	0.0	
Channel				515002	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2617.49			
16	QPSK	1	1	16.59	16.62	16.65	17.5	0.0	
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2573.02	2595	2614.98			
10	QPSK	1	1	16.51	16.64	16.58	17.5	0.0	

n41 DS12_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	520000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	16.13	16.29	16.16			
100	PI2 BPSK	1	137	16.18	16.21	16.17	17.5	0.0	
100	PI2 BPSK	1	271	16.14	16.24	16.13			
100	PI2 BPSK	135	0	16.09	16.16	16.00	17.5	0.0	
100	PI2 BPSK	135	69	16.19	16.23	16.16	17.5	0.0	
100	PI2 BPSK	135	138	16.03	16.16	15.99			
100	PI2 BPSK	270	0	16.00	16.16	16.04			
100	QPSK	1	1	16.15	16.32	16.17			
100	QPSK	1	137	16.15	16.24	16.10	17.5	0.0	
100	QPSK	1	271	16.05	16.21	16.07			
100	QPSK	135	0	16.08	16.18	16.11	17.5	0.0	
100	QPSK	135	69	16.24	16.29	16.21	17.5	0.0	
100	QPSK	135	138	16.06	16.19	16.04	17.5	0.0	
100	QPSK	270	0	16.17	16.20	16.16			
100	16QAM	1	1	16.08	16.20	16.04	17.5	0.0	
100	16QAM	1	1	16.15	16.25	16.20	17.5	0.0	
100	256QAM	1	1	16.07	16.13	16.06	17.5	0.0	
Channel				505000	518598	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	15.99	16.17	16.11	17.5	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	1	16.05	16.20	16.05	17.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.10	16.17	16.11	17.5	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.01	16.28	16.11	17.5	0.0	
Channel				504202	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.02	16.22	16.11	17.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.06	16.26	16.03	17.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.03	16.15	16.04	17.5	0.0	
Channel				501202	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.09	16.27	16.00	17.5	0.0	



n41 PC2 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	528600			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	19.27	19.24	19.28			
100	PI2 BPSK	1	137	19.19	19.28	19.14	20.5	0.0	
100	PI2 BPSK	1	271	19.08	19.23	19.13			
100	PI2 BPSK	135	0	19.23	19.27	19.18	20.5	0.0	
100	PI2 BPSK	135	69	19.08	19.21	19.16	20.5	0.0	
100	PI2 BPSK	135	138	19.22	19.26	19.19	20.5	0.0	
100	PI2 BPSK	270	0	19.16	19.28	19.11			
100	QPSK	1	1	19.26	19.37	19.20			
100	QPSK	1	137	19.12	19.25	19.10	20.5	0.0	
100	QPSK	1	271	19.30	19.33	19.20			
100	QPSK	135	0	19.14	19.27	19.19	20.5	0.0	
100	QPSK	135	69	19.25	19.31	19.15	20.5	0.0	
100	QPSK	135	138	19.11	19.24	19.15	20.5	0.0	
100	QPSK	270	0	19.20	19.20	19.19			
100	16QAM	1	1	19.17	19.24	19.18	20.5	0.0	
100	64QAM	1	1	19.09	19.20	19.05	20.5	0.0	
100	256QAM	1	1	18.94	19.11	19.04	20.5	0.0	
Channel				510000	519598	529600			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	19.24	19.24	19.17	20.5	0.0	
Channel				507204	518598	529598			
Frequency (MHz)				2638.01	2592.99	2648.99			
80	QPSK	1	1	19.16	19.31	19.09	20.5	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	19.11	19.30	19.23	20.5	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2458	2592.99	2659.98			
60	QPSK	1	1	19.18	19.23	19.04	20.5	0.0	
Channel				504004	518598	532000			
Frequency (MHz)				2521.02	2592.99	2654.99			
50	QPSK	1	1	19.14	19.33	19.03	20.5	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2416.01	2592.99	2660			
40	QPSK	1	1	19.12	19.25	19.09	20.5	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.10	19.24	19.10	20.5	0.0	
Channel				501004	518598	535998			
Frequency (MHz)				2606.02	2592.99	2679.99			
20	QPSK	1	1	19.15	19.28	19.11	20.5	0.0	

n48 Part96 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3270	3624.99	3978.98			
40	PI2 BPSK	1	1	14.73	14.80	14.84			
40	PI2 BPSK	1	53	14.82	14.97	14.94	15.9	0.0	
40	PI2 BPSK	1	104	14.75	14.89	14.72			
40	PI2 BPSK	50	0	14.87	14.98	14.89	15.9	0.0	
40	PI2 BPSK	50	25	14.88	14.84	14.76	15.9	0.0	
40	PI2 BPSK	50	56	14.82	14.95	14.88	15.9	0.0	
40	PI2 BPSK	100	0	14.77	14.92	14.82			
40	QPSK	1	1	14.95	15.00	14.88			
40	QPSK	1	53	14.78	14.84	14.78	15.9	0.0	
40	QPSK	1	104	14.87	14.95	14.78			
40	QPSK	50	0	14.79	14.88	14.77	15.9	0.0	
40	QPSK	50	25	14.96	14.98	14.81	15.9	0.0	
40	QPSK	50	56	14.71	14.85	14.76	15.9	0.0	
40	QPSK	100	0	14.75	14.85	14.76			
40	16QAM	1	1	14.80	14.88	14.81	15.9	0.0	
40	64QAM	1	1	14.78	14.83	14.75	15.9	0.0	
40	256QAM	1	1	14.62	14.70	14.72	15.9	0.0	
Channel				637000	641666	645666			
Frequency (MHz)				3655.02	3624.99	3684.99			
30	QPSK	1	1	14.96	14.85	14.81	15.9	0.0	
Channel				637004	641666	646000			
Frequency (MHz)				3669.01	3624.99	3690			
20	QPSK	1	1	14.83	14.85	14.81	15.9	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	14.80	14.98	14.94	15.9	0.0	



Part270 n77 DSI2_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3760	3840	3920		
100	PI2 BPSK	1	1	15.10	15.23	15.20		
100	PI2 BPSK	1	137	15.03	15.16	15.02	16.1	0.0
100	PI2 BPSK	1	271	14.99	15.15	15.02		
100	PI2 BPSK	135	0	15.12	15.19	15.17	16.1	0.0
100	PI2 BPSK	135	69	15.03	15.19	15.10	16.1	0.0
100	PI2 BPSK	135	138	15.22	15.26	15.11		
100	PI2 BPSK	270	0	15.10	15.15	15.08	16.1	0.0
100	QPSK	1	1	15.20	15.23	15.16		
100	QPSK	1	137	15.06	15.19	15.11	16.1	0.0
100	QPSK	1	271	15.02	15.15	15.02		
100	QPSK	135	0	15.17	15.10	15.05	16.1	0.0
100	QPSK	135	69	15.02	15.20	15.10	16.1	0.0
100	QPSK	135	138	15.13	15.15	15.06	16.1	0.0
100	QPSK	270	0	15.03	15.17	15.13		
100	16QAM	1	1	15.18	15.23	15.12	16.1	0.0
100	64QAM	1	1	15.05	15.20	15.17	16.1	0.0
100	256QAM	1	1	15.00	15.11	15.01	15.1	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.05	15.25	15.08	16.1	0.0
Channel								
Frequency (MHz)				649334	650000	650666		
80	QPSK	1	1	15.09	15.17	15.06	16.1	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	15.16	15.27	15.12	15.1	0.0
Channel								
Frequency (MHz)				649668	650000	650334		
60	QPSK	1	1	15.14	15.16	15.03	16.1	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.13	15.13	15.06	16.1	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	15.15	15.24	15.09	16.1	0.0
Channel								
Frequency (MHz)				647668	650000	650334		
30	QPSK	1	1	15.03	15.18	15.09	15.1	0.0
Channel								
Frequency (MHz)				647334	650000	650666		
20	QPSK	1	1	15.08	15.22	15.06	16.1	0.0
Channel								
Frequency (MHz)				647168	650000	650334		
15	QPSK	1	1	15.04	15.23	14.99	16.1	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.10	15.15	15.05	15.1	0.0

Part270 n77 PC2 DSI2_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3760	3840	3920		
100	PI2 BPSK	1	1	18.01	18.17	18.00		
100	PI2 BPSK	1	137	18.08	18.19	18.05	19.1	0.0
100	PI2 BPSK	1	271	18.01	18.10	17.95		
100	PI2 BPSK	135	0	18.04	18.17	18.09	19.1	0.0
100	PI2 BPSK	135	69	18.01	18.05	17.94	19.1	0.0
100	PI2 BPSK	135	138	18.05	18.18	18.10		
100	PI2 BPSK	270	0	18.01	18.17	18.07	19.1	0.0
100	QPSK	1	1	18.08	18.22	18.13		
100	QPSK	1	137	18.06	18.19	18.10	19.1	0.0
100	QPSK	1	271	17.97	18.08	18.02		
100	QPSK	135	0	18.02	18.05	18.11	19.1	0.0
100	QPSK	135	69	17.94	18.14	17.95	19.1	0.0
100	QPSK	135	138	17.98	18.12	18.02	19.1	0.0
100	QPSK	270	0	17.95	18.11	18.02		
100	16QAM	1	1	18.12	18.16	18.05	19.1	0.0
100	64QAM	1	1	18.04	18.08	18.01	19.1	0.0
100	256QAM	1	1	17.97	18.03	17.98	19.1	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.97	18.09	18.05	19.1	0.0
Channel								
Frequency (MHz)				649334	650000	650666		
80	QPSK	1	1	18.00	18.05	18.00	19.1	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	18.05	18.19	17.99	19.1	0.0
Channel								
Frequency (MHz)				649668	650000	650334		
60	QPSK	1	1	18.01	18.14	18.06	19.1	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.97	18.13	18.08	19.1	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	17.94	18.06	18.08	19.1	0.0
Channel								
Frequency (MHz)				647668	650000	650334		
30	QPSK	1	1	18.05	18.13	18.08	19.1	0.0
Channel								
Frequency (MHz)				647334	650000	650666		
20	QPSK	1	1	17.92	18.17	18.00	19.1	0.0
Channel								
Frequency (MHz)				647168	650000	650334		
15	QPSK	1	1	17.99	18.09	17.97	19.1	0.0
Channel								
Frequency (MHz)				647000	650000	650000		
10	QPSK	1	1	17.96	18.13	18.10	19.1	0.0

Part270 n77 DSI2_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		15.47			
100	PI2 BPSK	1	137		15.48		16.1	0.0
100	PI2 BPSK	1	271		15.36			
100	PI2 BPSK	135	0		15.49		16.1	0.0
100	PI2 BPSK	135	69		15.43		16.1	0.0
100	PI2 BPSK	135	138		15.39		16.1	0.0
100	PI2 BPSK	270	0		15.36		16.1	0.0
100	QPSK	1	1		15.52			
100	QPSK	1	137		15.42		16.1	0.0
100	QPSK	1	271		15.45			
100	QPSK	135	0		15.37		16.1	0.0
100	QPSK	135	69		15.42		16.1	0.0
100	QPSK	135	138		15.41		16.1	0.0
100	QPSK	270	0		15.40		16.1	0.0
100	16QAM	1	1		15.40		16.1	0.0
100	64QAM	1	1		15.44		16.1	0.0
100	256QAM	1	1		15.38		16.1	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	15.43	15.42	15.41	16.1	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	15.47	15.41	15.47	16.1	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	15.39	15.39	15.37	15.1	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	15.43	15.37	15.40	16.1	0.0
Channel								
Frequency (MHz)				3480	3500.01	3520.02		
50	QPSK	1	1	15.49	15.46	15.40	16.1	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	15.47	15.45	15.49	16.1	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	15.38	15.40	15.40	16.1	0.0
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	15.37	15.39	15.47	16.1	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	15.44	15.50	15.40	16.1	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	15.42	15.42	15.48	16.1	0.0



Part27Q n77 PC2 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	18.67	3500.01				
100	Pi2 BPSK	1	137	18.59			19.1	0.0	
100	Pi2 BPSK	1	271	18.65					
100	Pi2 BPSK	135	0	18.64			19.1	0.0	
100	Pi2 BPSK	135	69	18.58			19.1	0.0	
100	Pi2 BPSK	135	138	18.57			19.1	0.0	
100	Pi2 BPSK	270	0	18.57					
100	QPSK	1	1	18.69					
100	QPSK	1	137	18.63			19.1	0.0	
100	QPSK	1	271	18.53					
100	QPSK	135	0	18.61			19.1	0.0	
100	QPSK	135	69	18.94			19.1	0.0	
100	QPSK	135	138	18.50			19.1	0.0	
100	QPSK	270	0	18.54					
100	16QAM	1	1	18.66			19.1	0.0	
100	64QAM	1	1	18.61			19.1	0.0	
100	256QAM	1	1	18.62			19.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.65	18.56	18.52	19.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.53	18.60	18.60	19.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.54	18.62	18.63	19.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.59	18.61	18.65	19.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.61	18.66	18.55	19.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.55	18.52	18.59	19.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.68	18.67	18.59	19.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.52	18.65	18.61	19.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.52	18.54	18.53	19.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.56	18.57	18.57	19.1	0.0	



Part270 n78 DSI2_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		15.15				
100	PI2 BPSK	1	137		15.18		16.1	0.0	
100	PI2 BPSK	1	271		15.09				
100	PI2 BPSK	135	0		15.16		16.1	0.0	
100	PI2 BPSK	135	69		15.12		16.1	0.0	
100	PI2 BPSK	135	138		15.06		16.1	0.0	
100	PI2 BPSK	270	0		15.13		16.1	0.0	
100	QPSK	1	1		15.22				
100	QPSK	1	137		15.11		16.1	0.0	
100	QPSK	1	271		15.14				
100	QPSK	135	0		15.10		16.1	0.0	
100	QPSK	135	69		15.19		16.1	0.0	
100	QPSK	135	138		15.16		16.1	0.0	
100	QPSK	270	0		15.06		16.1	0.0	
100	16QAM	1	1		15.12		16.1	0.0	
100	64QAM	1	1		15.11		16.1	0.0	
100	256QAM	1	1		15.10		16.1	0.0	
Channel									
Frequency (MHz)				64988	65000	65034	Tune-up limit	MPR	
Channel				3745.02	3750	3745.01	(dBm)	(dB)	
90	QPSK	1	1		15.13	15.17	15.14	16.1	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR	
Channel				3749.01	3750	3749.02	(dBm)	(dB)	
80	QPSK	1	1		15.11	15.13	15.16	16.1	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR	
Channel				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		15.17	15.13	15.09	16.1	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR	
Channel				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		15.14	15.17	15.07	16.1	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit	MPR	
Channel							(dBm)	(dB)	
50	QPSK	1	1		15.16	15.18	15.17	16.1	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit	MPR	
Channel				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	1		15.07	15.19	15.08	16.1	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR	
Channel				3715.02	3750	3765.01	(dBm)	(dB)	
30	QPSK	1	1		15.14	15.16	15.11	16.1	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit	MPR	
Channel				3710.01	3750	3760.02	(dBm)	(dB)	
20	QPSK	1	1		15.10	15.15	15.14	16.1	0.0
Channel									
Frequency (MHz)				64700	65000	65034	Tune-up limit	MPR	
Channel				3705	3750	3765	(dBm)	(dB)	
15	QPSK	1	1		15.13	15.16	15.17	16.1	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR	
Channel							(dBm)	(dB)	
10	QPSK	1	1		15.12	15.16	15.11	16.1	0.0

Part270 n78 PC2 DSI2_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		16.14				
100	PI2 BPSK	1	137		16.10		19.1	0.0	
100	PI2 BPSK	1	271		16.09				
100	PI2 BPSK	135	0		16.12		19.1	0.0	
100	PI2 BPSK	135	69		16.05		19.1	0.0	
100	PI2 BPSK	135	138		16.13		19.1	0.0	
100	PI2 BPSK	270	0		16.07		19.1	0.0	
100	QPSK	1	1		16.20				
100	QPSK	1	137		16.16		19.1	0.0	
100	QPSK	1	271		16.08				
100	QPSK	135	0		16.10		19.1	0.0	
100	QPSK	135	69		16.13		19.1	0.0	
100	QPSK	135	138		16.04		19.1	0.0	
100	QPSK	270	0		16.10		19.1	0.0	
100	16QAM	1	1		16.12		19.1	0.0	
100	64QAM	1	1		16.07		19.1	0.0	
100	256QAM	1	1		16.08		19.1	0.0	
Channel									
Frequency (MHz)				64988	65000	65034	Tune-up limit	MPR	
Channel				3745.02	3750	3745.01	(dBm)	(dB)	
90	QPSK	1	1		16.15	16.05	16.06	19.1	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR	
Channel				3749.01	3750	3749.02	(dBm)	(dB)	
80	QPSK	1	1		16.06	16.06	16.12	19.1	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR	
Channel				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		16.10	16.07	16.05	19.1	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR	
Channel				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		16.08	16.05	16.18	19.1	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit	MPR	
Channel							(dBm)	(dB)	
50	QPSK	1	1		16.16	16.17	16.13	19.1	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit	MPR	
Channel				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	1		16.14	16.11	16.13	19.1	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR	
Channel				3715.02	3750	3765.01	(dBm)	(dB)	
30	QPSK	1	1		16.14	16.07	16.14	19.1	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit	MPR	
Channel				3710.01	3750	3760.02	(dBm)	(dB)	
20	QPSK	1	1		16.08	16.12	16.14	19.1	0.0
Channel									
Frequency (MHz)				64700	65000	65034	Tune-up limit	MPR	
Channel				3705	3750	3765	(dBm)	(dB)	
15	QPSK	1	1		16.10	16.07	16.18	19.1	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR	
Channel							(dBm)	(dB)	
10	QPSK	1	1		16.13	16.15	16.14	19.1	0.0

Part27Q n78 DSI2_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		15.40				
100	PI2 BPSK	1	137		15.35		16.1	0.0	
100	PI2 BPSK	1	271		15.32				
100	PI2 BPSK	135	0		15.37		16.1	0.0	
100	PI2 BPSK	135	69		15.38		16.1	0.0	
100	PI2 BPSK	135	138		15.39		16.1	0.0	
100	PI2 BPSK	270	0		15.40		16.1	0.0	
100	QPSK	1	1		15.46				
100	QPSK	1	137		15.42		16.1	0.0	
100	QPSK	1	271		15.36				
100	QPSK	135	0		15.29		16.1	0.0	
100	QPSK	135	69		15.41		16.1	0.0	
100	QPSK	135	138		15.36		16.1	0.0	
100	QPSK	270	0		15.43		16.1	0.0	
100	16QAM	1	1		15.40		16.1	0.0	
100	64QAM	1	1		15.35		16.1	0.0	
100	256QAM	1	1		15.29		16.1	0.0	
Channel									
Frequency (MHz)				63300	63354	63368	Tune-up limit	MPR	
Channel				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		15.38	15.42	15.37	16.1	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit	MPR	
Channel				3499.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		15.34	15.33	15.31	16.1	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit	MPR	
Channel				3495.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		15.40	15.33	15.39	16.1	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit	MPR	
Channel				3490	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		15.42	15.40	15.39	16.1	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit	MPR	
Channel				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		15.31	15.42	15.40	16.1	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit	MPR	
Channel				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		15.42	15.29	15.41	16.1	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit	MPR	
Channel				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		15.33	15.29	15.43	16.1	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit	MPR	
Channel				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		15.33	15.38	15.35	16.1	0.0
Channel									
Frequency (MHz)				63030	63334	63634	Tune-up limit	MPR	
Channel				3455.05	3500.01	3545.05	(dBm)	(dB)	
15	QPSK	1	1		15.36	15.36	15.34	16.1	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit	MPR	
Channel				3450.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		15.40	15.31	15.38	16.1	0.0



Part27Q n78 PC2 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3000.01				
Frequency (MHz)					18.59				
100	P12 BPSK	1	1		18.59		19.1	0.0	
100	P12 BPSK	1	137		18.59				
100	P12 BPSK	1	271		18.60				
100	P12 BPSK	135	0		18.62		19.1	0.0	
100	P12 BPSK	135	69		18.61				
100	P12 BPSK	135	138		18.58		19.1	0.0	
100	P12 BPSK	270	0		18.49				
100	QPSK	1	1		18.66				
100	QPSK	1	137		18.61		19.1	0.0	
100	QPSK	1	271		18.57				
100	QPSK	135	0		18.50		19.1	0.0	
100	QPSK	135	69		18.56				
100	QPSK	135	138		18.50		19.1	0.0	
100	QPSK	270	0		18.61				
100	16QAM	1	1		18.56		19.1	0.0	
100	64QAM	1	1		18.53		19.1	0.0	
100	256QAM	1	1		18.42		19.1	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3485	3000.01	3005.02			
90	QPSK	1	1		18.62	18.50	18.55	19.1	0.0
Channel				632068	633334	634000			
Frequency (MHz)				3480.02	3000.01	3010			
80	QPSK	1	1		18.56	18.58	18.60	19.1	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3000.01	3115.01			
70	QPSK	1	1		18.52	18.61	18.62	19.1	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3000.01	3020.02			
60	QPSK	1	1		18.63	18.64	18.49	19.1	0.0
Channel				631000	633334	635000			
Frequency (MHz)				3475.02	3000.01	3025			
50	QPSK	1	1		18.59	18.55	18.58	19.1	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3000.01	3028.01			
40	QPSK	1	1		18.55	18.59	18.60	19.1	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3485	3000.01	3035.02			
30	QPSK	1	1		18.52	18.55	18.58	19.1	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3480.02	3000.01	3040			
20	QPSK	1	1		18.59	18.58	18.58	19.1	0.0
Channel				630500	633334	636334			
Frequency (MHz)				3475	3000.01	3042.02			
15	QPSK	1	1		18.53	18.62	18.58	19.1	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3485.01	3000.01	3045.01			
10	QPSK	1	1		18.62	18.51	18.52	19.1	0.0



Reduced Power Mode for DSI3-Standalone

n2 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				372000	376000	380000			
Frequency (MHz)									
				1850	1850	1850			
20	PI2 BPSK	1	1	22.53	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.86			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.97	22.95	22.97			
20	QPSK	50	0	22.92	22.93	22.94	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.97			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	64QAM	1	1	21.70	21.89	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
				371500	376000	380500			
Frequency (MHz)									
				1847.5	1860	1862.5			
15	QPSK	1	1	22.83	23.11	23.06	24.0	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
				1855	1860	1855			
10	QPSK	1	1	22.84	23.09	22.93	24.0	0.0	
Channel									
				370500	376000	381500			
Frequency (MHz)									
				1862.5	1860	1867.5			
5	QPSK	1	1	22.84	23.04	22.92	24.0	0.0	

n5 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
				834	836.5	844			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.97	23.04	22.94	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.89			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.93	22.96	22.92	24.0	0.0	
20	PI2 BPSK	100	0	22.94	23.00	22.89			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.98	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.18	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	64QAM	1	1	22.57	22.71	22.88	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	1.0	
Channel									
				165300	167300	169300			
Frequency (MHz)									
				831.5	836.5	841.5			
15	QPSK	1	1	23.03	23.16	23.11	24.0	0.0	
Channel									
				165800	167300	168800			
Frequency (MHz)									
				839	836.5	844			
10	QPSK	1	1	23.08	23.19	23.06	24.0	0.0	
Channel									
				165300	167300	169300			
Frequency (MHz)									
				836.5	836.5	846.5			
5	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	

n7 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
				2530	2530	2530			
40	PI2 BPSK	1	1	21.84	21.90	21.78			
40	PI2 BPSK	1	108	21.78	21.87	21.83	23.0	0.0	
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.92	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.88	21.78	23.0	0.0	
40	QPSK	108	54	21.78	21.85	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77			
40	16QAM	1	1	21.80	21.84	21.74	23.0	0.0	
40	64QAM	1	1	21.05	21.14	21.09	22.0	1.0	
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
				505000	507000	511000			
Frequency (MHz)									
				2515	2535	2555			
30	QPSK	1	1	21.90	21.93	21.71	23.0	0.0	
Channel									
				505500	507000	511500			
Frequency (MHz)									
				2522.5	2535	2572.5			
25	QPSK	1	1	21.85	21.91	21.69	23.0	0.0	
Channel									
				505000	507000	512000			
Frequency (MHz)									
				2516	2535	2560			
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel									
				504500	507000	512500			
Frequency (MHz)									
				2507.5	2535	2562.5			
15	QPSK	1	1	21.81	21.84	21.74	23.0	0.0	
Channel									
				504000	507000	513000			
Frequency (MHz)									
				2506	2535	2565			
10	QPSK	1	1	21.91	21.95	21.68	23.0	0.0	
Channel									
				503500	507000	513500			
Frequency (MHz)									
				2502.5	2535	2597.5			
5	QPSK	1	1	21.87	21.88	21.80	23.0	0.0	



n12 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				704.5	707.5	710.5		
15	PI2 BPSK	1	1	21.05	23.11	22.57		
15	PI2 BPSK	1	40	22.84	22.92	22.80	24.0	0.0
15	PI2 BPSK	1	77	22.75	22.88	22.74		
15	PI2 BPSK	36	0	22.96	23.01	22.86	24.0	0.0
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0	0.0
15	PI2 BPSK	36	43	22.90	22.98	22.88	24.0	0.0
15	PI2 BPSK	75	0	22.90	23.02	22.96		
15	QPSK	1	1	23.13	23.19	23.12		
15	QPSK	1	40	23.07	23.12	23.08	24.0	0.0
15	QPSK	1	77	22.87	22.95	22.90		
15	QPSK	36	0	22.92	23.01	22.89	24.0	0.0
15	QPSK	36	22	22.97	23.06	22.97	24.0	0.0
15	QPSK	36	43	22.94	22.99	22.89	24.0	0.0
15	QPSK	75	0	22.85	23.01	22.90		
15	16QAM	1	1	23.07	23.11	23.07	24.0	0.0
15	64QAM	1	1	22.01	22.11	22.03	23.0	1.0
15	256QAM	1	1	23.14	23.23	23.17	21.0	3.0
Channel				140900	141200	142200		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.03	23.14	23.06	24.0	0.0
Channel				140300	141800	142700		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.99	23.08	23.04	24.0	0.0

n13 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				156400				
Frequency (MHz)				742				
10	PI2 BPSK	1	1		23.15			
10	PI2 BPSK	1	26		23.13		24.0	0.0
10	PI2 BPSK	1	50		23.05			
10	PI2 BPSK	25	0		22.57		23.5	0.5
10	PI2 BPSK	25	14		23.15		24.0	0.0
10	PI2 BPSK	25	27		23.01		23.5	0.5
10	PI2 BPSK	50	0		23.11			
10	QPSK	1	1		23.29			
10	QPSK	1	26		23.19		24.0	0.0
10	QPSK	1	50		23.13			
10	QPSK	25	0		22.46		23.0	1.0
10	QPSK	25	14		23.19		24.0	0.0
10	QPSK	25	27		22.97		23.0	1.0
10	QPSK	50	0		22.58		23.0	1.0
10	16QAM	1	1		21.67		23.0	1.0
10	64QAM	1	1		20.78		21.5	2.5
10	256QAM	1	1		19.36		18.5	4.5
Channel				155900	156400	156900		
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.20	23.26	23.22	24.0	0.0

n14 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158600				
Frequency (MHz)				792				
10	PI2 BPSK	1	1		23.37			
10	PI2 BPSK	1	26		23.28		24.0	0.0
10	PI2 BPSK	1	50		23.33			
10	PI2 BPSK	25	0		23.28		24.0	0.0
10	PI2 BPSK	25	14		23.35		24.0	0.0
10	PI2 BPSK	25	27		23.28		24.0	0.0
10	PI2 BPSK	50	0		23.31			
10	QPSK	1	1		23.43			
10	QPSK	1	26		23.31		24.0	0.0
10	QPSK	1	50		23.36			
10	QPSK	25	0		23.31		24.0	0.0
10	QPSK	25	14		23.39		24.0	0.0
10	QPSK	25	27		23.28		24.0	0.0
10	QPSK	50	0		23.33		24.0	0.0
10	16QAM	1	1		23.22		24.0	0.0
10	64QAM	1	1		22.17		23.0	1.0
10	256QAM	1	1		20.40		21.0	3.0
Channel				158100	159000	159100		
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.32	23.40	23.30	24.0	0.0



n25 Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376500	379000				
Frequency (MHz)				3770	182.5	379				
40	PI2 BPSK	1	1	23.02	23.13	23.12				
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0		
40	PI2 BPSK	1	214	22.98	22.98	23.02				
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0		
40	PI2 BPSK	108	54	23.04	23.11	23.14	24.0	0.0		
40	PI2 BPSK	108	108	22.96	23.07	22.93	24.0	0.0		
40	PI2 BPSK	216	0	22.98	22.96	23.05				
40	QPSK	1	1	23.08	23.25	23.21				
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0		
40	QPSK	1	214	23.02	23.06	23.00				
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0		
40	QPSK	108	54	23.02	23.16	22.97	24.0	0.0		
40	QPSK	108	108	22.98	23.08	22.93	24.0	0.0		
40	QPSK	216	0	23.04	23.12	23.04	24.0	0.0		
40	16QAM	1	1	23.09	23.21	23.16	24.0	0.0		
40	64QAM	1	1	22.08	22.13	22.08	23.0	1.0		
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0		
Channel				372000	375000	380000				
Frequency (MHz)				1865	1862.5	1900				
30	QPSK	1	1	22.99	23.11	23.06	24.0	0.0		
Channel				372500	376500	380500				
Frequency (MHz)				1862.5	1862.5	1902.5				
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0		
Channel				372000	376500	381000				
Frequency (MHz)				1860	1862.5	1865				
20	QPSK	1	1	22.99	23.19	23.08	24.0	0.0		
Channel				371500	376500	381500				
Frequency (MHz)				1857.5	1862.5	1907.5				
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0		
Channel				371000	376500	382000				
Frequency (MHz)				1865	1862.5	1910				
10	QPSK	1	1	22.98	23.21	23.17	24.0	0.0		
Channel				370500	376500	382500				
Frequency (MHz)				1862.5	1862.5	1912.5				
5	QPSK	1	1	22.96	23.17	23.14	24.0	0.0		

n26 Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				164800	166300	167800				
Frequency (MHz)				224	231.5	239				
20	PI2 BPSK	1	1	23.38	23.48	23.33				
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0		
20	PI2 BPSK	1	104	23.02	23.11	23.05				
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0		
20	PI2 BPSK	50	26	23.23	23.31	23.18	24.0	0.0		
20	PI2 BPSK	50	56	23.02	23.15	23.08	24.0	0.0		
20	PI2 BPSK	100	0	23.17	23.28	23.22				
20	QPSK	1	1	23.43	23.49	23.38				
20	QPSK	1	53	23.26	23.40	23.32	24.0	0.0		
20	QPSK	1	104	23.27	23.34	23.22				
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0		
20	QPSK	50	26	23.39	23.43	23.32	24.0	0.0		
20	QPSK	50	56	23.20	23.31	23.26	24.0	0.0		
20	QPSK	100	0	23.31	23.38	23.26	24.0	0.0		
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0		
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0		
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0		
Channel				165300	166300	166300				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	23.39	23.36	23.33	24.0	0.0		
Channel				166000	166300	166800				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	1	23.31	23.39	23.25	24.0	0.0		
Channel				165300	166300	166300				
Frequency (MHz)				818.5	831.5	848.5				
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0		

n30 Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				462000						
Frequency (MHz)				2310						
10	PI2 BPSK	1	1		22.91					
10	PI2 BPSK	1	26		22.89		24.0	0.0		
10	PI2 BPSK	1	50		22.82					
10	PI2 BPSK	25	0		22.81		24.0	0.0		
10	PI2 BPSK	25	14		22.82		24.0	0.0		
10	PI2 BPSK	25	27		22.87		24.0	0.0		
10	PI2 BPSK	50	0		22.81					
10	QPSK	1	1		23.03					
10	QPSK	1	26		22.91		24.0	0.0		
10	QPSK	1	50		22.90					
10	QPSK	25	0		22.80		24.0	0.0		
10	QPSK	25	14		22.83		24.0	0.0		
10	QPSK	25	27		22.89		24.0	0.0		
10	QPSK	50	0		22.90		24.0	0.0		
10	16QAM	1	1		22.66		24.0	0.0		
10	64QAM	1	1		22.17		23.0	1.0		
10	256QAM	1	1		20.17		21.0	3.0		
Channel				461500	462000	462500				
Frequency (MHz)				2307.5	2310	2312.5				
5	QPSK	1	1	22.83	22.90	22.81	24.0	0.0		



n66 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid-Hi Ch. / Freq.	High Ch. / Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1712	1745	1776		
40	PI2 BPSK	1	1	23.18	23.29	23.32		
40	PI2 BPSK	1	108	23.07	23.35	23.14	24.0	0.0
40	PI2 BPSK	1	214	23.23	23.14	23.27		
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0
40	PI2 BPSK	108	54	23.22	23.38	23.40	24.0	0.0
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0
40	PI2 BPSK	216	0	23.04	23.22	23.21		
40	QPSK	1	1	23.26	23.45	23.40		
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0
40	QPSK	1	214	23.26	23.26	23.25		
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0
40	QPSK	108	54	23.22	23.35	23.24	24.0	0.0
40	QPSK	108	108	23.16	23.29	23.16	24.0	0.0
40	QPSK	216	0	23.21	23.35	23.22		
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0
40	64QAM	1	1	21.62	21.37	21.54	23.0	1.0
40	256QAM	1	1	20.39	20.24	20.44	21.0	3.0
Channel				345000	349000	353000		
Frequency (MHz)				1728	1745	1768		
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0
Channel				340000	349000	349000		
Frequency (MHz)				1720	1745	1776		
20	QPSK	1	1	23.13	23.41	23.35	24.0	0.0
Channel				343000	349000	345000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0
Channel				343000	349000	350000		
Frequency (MHz)				1712	1745	1776		
10	QPSK	1	1	23.22	23.34	23.29	24.0	0.0
Channel				342000	349000	350000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0

n70 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Mid-Hi Ch. / Freq.	High Ch. / Freq.			
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
15	PI2 BPSK	1	1		20.85				
15	PI2 BPSK	1	40		20.92		22.0	0.0	
15	PI2 BPSK	1	77		20.86				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.89		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.82		22.0	0.0	
15	QPSK	36	43		20.67		21.0	1.0	
15	QPSK	75	0		20.78				
15	16QAM	1	1		18.05		19.0	1.0	
15	64QAM	1	1		18.01		18.5	2.5	
15	256QAM	1	1		16.67		17.5	4.5	
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1		20.85	20.91	20.88	22.0	0.0
Channel				340000	340500	341000			
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1		20.89	20.96	20.89	22.0	0.0



n71 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up Init (dBm)	MPR (dB)	
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	23.27	23.32	23.34			
20	PI2 BPSK	1	53	23.19	23.28	23.17	24.0	0.0	
20	PI2 BPSK	1	104	23.09	23.22	23.19			
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0	
20	PI2 BPSK	50	99	23.21	23.29	23.17	24.0	0.0	
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0	
20	PI2 BPSK	100	0	23.10	23.22	23.09			
20	QPSK	1	1	23.27	23.36	23.34			
20	QPSK	1	53	23.17	23.21	23.28	24.0	0.0	
20	QPSK	1	104	23.18	23.29	23.23			
20	QPSK	50	0	23.11	23.23	23.11	24.0	0.0	
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0	
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0	
20	QPSK	100	0	23.14	23.26	23.14			
20	16QAM	1	1	22.76	22.88	22.84	24.0	0.0	
20	64QAM	1	1	22.10	22.19	22.12	23.0	1.0	
20	256QAM	1	1	20.53	20.57	20.49	21.0	3.0	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.15	23.35	23.26	24.0	0.0	
Channel				130900	136100	136600			
Frequency (MHz)				656	680.5	695			
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0	



n38 DSI3_Standalone Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517052	519000	520998		
Frequency (MHz)				2535.01	2595	2604.99		
30	PI2 BPSK	1	1	19.34	19.40	19.47	21.1	0.0
30	PI2 BPSK	1	40	19.27	19.32	19.41		
30	PI2 BPSK	1	76	19.32	19.61	19.52		
30	PI2 BPSK	36	0	19.30	19.42	19.42	21.1	0.0
30	PI2 BPSK	36	21	19.45	19.32	19.28	21.1	0.0
30	PI2 BPSK	36	42	19.44	19.38	19.54		
30	PI2 BPSK	75	0	19.49	19.49	19.41	21.1	0.0
30	QPSK	1	1	19.29	19.74	19.42		
30	QPSK	1	40	19.36	19.45	19.23	21.1	0.0
30	QPSK	1	76	19.21	19.34	19.46		
30	QPSK	36	0	19.53	19.39	19.56	21.1	0.0
30	QPSK	36	21	19.35	19.59	19.35	21.1	0.0
30	QPSK	36	42	19.40	19.41	19.31	21.1	0.0
30	QPSK	75	0	19.47	19.55	19.30		
30	16QAM	1	1	19.25	19.28	19.24	21.1	0.0
30	64QAM	1	1	19.39	19.48	19.64	21.1	0.0
30	256QAM	1	1	19.34	19.44	19.41	19.5	17.0
Channel				515004	519000	521006	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	19.14	19.56	19.14	21.1	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2568	2595	2610		
20	QPSK	1	1	19.11	19.52	19.22	21.1	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.12	19.33	19.21	21.1	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.18	19.52	19.31	21.1	0.0

n41 DSI3_Standalone Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	520998		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	19.40	19.58	19.43	21.1	0.0
100	PI2 BPSK	1	137	19.30	19.35	19.31		
100	PI2 BPSK	1	271	19.21	19.38	19.29		
100	PI2 BPSK	135	0	19.35	19.46	19.42	21.1	0.0
100	PI2 BPSK	135	69	19.51	19.57	19.45	21.1	0.0
100	PI2 BPSK	135	138	19.24	19.49	19.43	21.1	0.0
100	PI2 BPSK	270	0	19.40	19.50	19.37		
100	QPSK	1	1	19.47	19.69	19.50		
100	QPSK	1	137	19.45	19.36	19.30	21.1	0.0
100	QPSK	1	271	19.34	19.54	19.34		
100	QPSK	135	0	19.37	19.38	19.34	21.1	0.0
100	QPSK	135	69	19.55	19.58	19.27	21.1	0.0
100	QPSK	135	138	19.30	19.46	19.46	21.1	0.0
100	QPSK	270	0	19.26	19.45	19.24		
100	16QAM	1	1	19.47	19.58	19.42	21.1	0.0
100	64QAM	1	1	19.02	19.16	19.03	20.5	0.6
100	256QAM	1	1	17.45	17.53	17.43	18.5	2.0
Channel				515000	518998	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.32	19.27	19.24	21.1	0.0
Channel				507204	518998	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	19.23	19.41	19.41	21.1	0.0
Channel				506002	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2665		
70	QPSK	1	1	19.10	19.47	19.37	21.1	0.0
Channel				505000	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2528	2592.99	2659.98		
60	QPSK	1	1	19.37	19.43	19.40	21.1	0.0
Channel				505004	518998	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.34	19.51	19.30	21.1	0.0
Channel				503002	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2416.01	2592.99	2640		
40	QPSK	1	1	19.19	19.43	19.38	21.1	0.0
Channel				502000	518998	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.25	19.43	19.29	21.1	0.0
Channel				511204	518998	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.20	19.49	19.29	21.1	0.0



n41 PC2 DS13_ Standalone Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	2227	2239	2228			
100	PI/2 BPSK	1	137	2227	2244	2235	24.1	0.0	
100	PI/2 BPSK	1	271	2225	2219	2231			
100	PI/2 BPSK	135	0	2220	2230	2231	24.1	0.0	
100	PI/2 BPSK	135	69	2239	2231	2219	24.1	0.0	
100	PI/2 BPSK	135	138	2215	2222	2222	24.1	0.0	
100	PI/2 BPSK	270	0	2217	2221	2234			
100	QPSK	1	1	2237	2253	2239			
100	QPSK	1	197	2240	2247	2240	24.1	0.0	
100	QPSK	1	211	2218	2230	2218			
100	QPSK	135	0	2238	2238	2245	24.1	0.0	
100	QPSK	135	69	2222	2249	2233	24.1	0.0	
100	QPSK	135	138	2240	2242	2219	24.1	0.0	
100	QPSK	270	0	2244	2248	2232			
100	16QAM	1	1	2232	2232	2225	24.1	0.0	
100	64QAM	1	1	2245	2242	2252	24.0	0.1	
100	256QAM	1	1	2018	2030	2016	22.0	2.1	
Channel				506203	518599	528000	Tune-up limit	MPR	
Frequency (MHz)				2641	2592.99	2644.98			
80	QPSK	1	1	2224	2226	2216	24.1	0.0	
Channel				507204	518598	528000	Tune-up limit	MPR	
Frequency (MHz)				2638.02	2685.99	2688.98			
80	QPSK	1	1	2218	2245	2231	24.1	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	2218	2234	2220	24.1	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	2216	2240	2212	24.1	0.0	
Channel				505203	518599	532000	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	2211	2239	2227	24.1	0.0	
Channel				505202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	2224	2232	2227	24.1	0.0	
Channel				502000	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	2215	2231	2218	24.1	0.0	
Channel				507203	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	2211	2225	2220	24.1	0.0	

n48 Part96 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI/2 BPSK	1	1	2037	2101	2056			
40	PI/2 BPSK	1	53	2037	2099	2088	22.0	0.0	
40	PI/2 BPSK	1	104	2031	2036	2031			
40	PI/2 BPSK	50	0	2030	2040	2034	21.5	0.5	
40	PI/2 BPSK	50	26	2034	2037	2032	22.0	0.0	
40	PI/2 BPSK	50	56	2034	2039	2034	21.5	0.5	
40	PI/2 BPSK	100	0	2038	2043	2030			
40	QPSK	1	1	2039	2109	2034			
40	QPSK	1	53	2030	2103	2037	22.0	0.0	
40	QPSK	1	104	2032	2036	2033			
40	QPSK	50	0	2032	2033	1936	21.0	1.0	
40	QPSK	50	26	2034	2105	2038	22.0	0.0	
40	QPSK	50	56	1936	2034	1932	21.0	1.0	
40	QPSK	100	0	1934	2037	2033			
40	16QAM	1	1	1930	1936	1931	21.0	1.0	
40	64QAM	1	1	1857	1876	1864	19.5	2.5	
40	256QAM	1	1	1652	1659	1647	17.5	4.5	
Channel				637000	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3565.02	3624.99	3684.98			
30	QPSK	1	1	2037	2103	2033	22.0	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3569.03	3624.99	3680			
20	QPSK	1	1	2030	2034	2030	22.0	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3624.99	3684.98			
10	QPSK	1	1	2036	2039	2039	22.0	0.0	



Part270 n77 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.81	22.94	22.91		
100	Pl2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0
100	Pl2 BPSK	1	271	22.77	22.89	22.77		
100	Pl2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	Pl2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	Pl2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	Pl2 BPSK	270	0	22.82	22.92	22.81	24.0	0.0
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.94	22.90	22.77	24.0	0.0
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
40	QPSK	1	1	22.74	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
30	QPSK	1	1	22.71	22.98	22.93	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

Part270 n77 PC2 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.68	25.92	25.60		
100	Pl2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	Pl2 BPSK	1	271	25.88	26.07	26.03		
100	Pl2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	Pl2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	Pl2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	Pl2 BPSK	270	0	25.70	25.91	25.87	27.0	0.0
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81	27.0	0.0
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
30	QPSK	1	1	25.70	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
10	QPSK	1	1	25.77	25.98	25.96	27.0	0.0

Part270Q n77 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	Pl2 BPSK	1	1			23.24		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			23.22	24.0	0.0
100	Pl2 BPSK	135	69			23.23	24.0	0.0
100	Pl2 BPSK	135	138			23.26	24.0	0.0
100	Pl2 BPSK	270	0			23.20	24.0	0.0
100	QPSK	1	1			23.36		
100	QPSK	1	137			23.28	24.0	0.0
100	QPSK	1	271			23.24		
100	QPSK	135	0			23.24	24.0	0.0
100	QPSK	135	69			23.29	24.0	0.0
100	QPSK	135	138			23.24	24.0	0.0
100	QPSK	270	0			23.23	24.0	0.0
100	16QAM	1	1			23.21	23.0	1.0
100	64QAM	1	1			22.32	23.0	1.0
100	256QAM	1	1			20.50	21.0	3.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633068	633334	633600		
80	QPSK	1	1	23.28	23.24	23.26	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
70	QPSK	1	1	23.15	23.27	23.15	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
60	QPSK	1	1	23.20	23.23	23.15	24.0	0.0
Channel								
Frequency (MHz)				633165	633334	633500		
50	QPSK	1	1	23.22	23.32	23.19	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
40	QPSK	1	1	23.16	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
30	QPSK	1	1	23.24	23.33	23.23	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
20	QPSK	1	1	23.17	23.26	23.18	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
15	QPSK	1	1	23.29	23.25	23.23	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
10	QPSK	1	1	23.21	23.25	23.18	24.0	0.0



Part27Q n77 PC2 Ant 0

BW (MHz)	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		3500.01			
100	PI2 BPSK	1	137		20.35			
100	PI2 BPSK	1	271		20.39		27.0	0.0
100	PI2 BPSK	1	271		20.38			
100	PI2 BPSK	135	0		20.33		27.0	0.0
100	PI2 BPSK	135	69		20.29		27.0	0.0
100	PI2 BPSK	135	138		20.35		27.0	0.0
100	PI2 BPSK	270	0		20.38			
100	QPSK	1	1		20.46			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.31		27.0	0.0
100	QPSK	135	0		20.29		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.26		27.0	0.0
100	QPSK	270	0		20.40			
100	16QAM	1	1		20.29		27.0	0.0
100	64QAM	1	1		20.06		26.5	0.5
100	256QAM	1	1		24.11		24.5	2.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
80	QPSK	1	1	20.30	20.34	20.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.38	20.40	20.29	27.0	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	20.30	20.39	20.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.36	20.31	20.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631868	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.38	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	20.42	20.36	20.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.32	20.33	20.43	27.0	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	20.36	20.38	20.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.42	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	20.35	20.31	20.34	27.0	0.0



Part270 n78 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		22.0	2.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.75	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.78	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.52	22.73	22.74	24.0	0.0
Channel									
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.83	22.73	22.72	24.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

Part270 n78 PC2 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.85	25.94	25.87	27.0	0.0
Channel									
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.92	25.92	25.85	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	0.0

Part27Q n78 Ant 0

BW (MHz)	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)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63566	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.15	23.19	23.25	24.0	0.0
Channel									
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.24	23.27	23.16	24.0	0.0
Channel									
Frequency (MHz)				63030	63334	63600	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				3452.01	3500.01	3542.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.15	23.25	24.0	0.0



Part27Q n78 PC2 Ant 0

BW [MHz]	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		3500.01			
100	PI2 BPSK	1	137		26.24			
100	PI2 BPSK	1	271		26.33		27.0	0.0
100	PI2 BPSK	135	0		26.28			
100	PI2 BPSK	135	69		26.22		27.0	0.0
100	PI2 BPSK	135	138		26.32		27.0	0.0
100	PI2 BPSK	270	0		26.27		27.0	0.0
100	PI2 BPSK	270	0		26.25			
100	QPSK	1	1		26.38			
100	QPSK	1	197		26.33		27.0	0.0
100	QPSK	1	271		26.22			
100	QPSK	135	0		26.30		27.0	0.0
100	QPSK	135	69		26.35		27.0	0.0
100	QPSK	135	138		26.32		27.0	0.0
100	QPSK	270	0		26.23			
100	16QAM	1	1		26.16		27.0	0.0
100	64QAM	1	1		25.20		25.5	1.5
100	256QAM	1	1		23.16		23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				26.16	26.26	26.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				26.24	26.24	26.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				26.22	26.29	26.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				26.20	26.26	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631800	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				26.26	26.29	26.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
				26.18	26.23	26.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				26.24	26.34	26.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				26.22	26.27	26.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636300	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				26.18	26.35	26.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
				26.25	26.32	26.27	27.0	0.0



n2 Default Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				1660	1680	1690		
20	PI2 BPSK	1	1	21.58	21.43	21.32	23.0	0.0
20	PI2 BPSK	1	53	21.24	21.38	21.28		
20	PI2 BPSK	1	104	21.21	21.33	21.29		
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0
20	PI2 BPSK	100	0	21.30	21.37	21.32	23.0	0.0
20	QPSK	1	1	21.42	21.48	21.31		
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0
20	QPSK	1	104	21.60	21.43	21.34		
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0
20	QPSK	100	0	21.28	21.34	21.23	23.0	0.0
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0
20	256QAM	1	1	19.50	19.21	19.29	21.0	3.0
Channel								
Frequency (MHz)				1897.5	1880	1902.5		
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0
Channel								
Frequency (MHz)				3710.0	3760.0	3810.0		
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0
Channel								
Frequency (MHz)				3705.0	3760.0	3815.0		
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0

n5 Default Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				1668.0	1679.0	1676.0		
20	PI2 BPSK	1	1	21.80	21.66	21.76	23.0	0.0
20	PI2 BPSK	1	53	21.78	21.82	21.72		
20	PI2 BPSK	1	104	21.70	21.79	21.75		
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0
20	PI2 BPSK	100	0	21.73	21.77	21.65	23.0	0.0
20	QPSK	1	1	21.86	21.91	21.80		
20	QPSK	1	53	21.76	21.86	21.78	23.0	0.0
20	QPSK	1	104	21.72	21.82	21.76		
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0
20	QPSK	100	0	21.70	21.76	21.72	23.0	0.0
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0
20	256QAM	1	1	20.63	20.68	20.56	21.0	2.0
Channel								
Frequency (MHz)				1620.0	1620.0	1620.0		
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0
Channel								
Frequency (MHz)				1658.0	1670.0	1680.0		
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0
Channel								
Frequency (MHz)				1663.0	1670.0	1663.0		
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0

n7 DSI3_ Standalone Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				5060.0	5070.0	5100.0		
40	PI2 BPSK	1	1	19.52	19.54	19.56		
40	PI2 BPSK	1	108	19.42	19.58	19.55	20.7	0.0
40	PI2 BPSK	1	214	19.54	19.58	19.49		
40	PI2 BPSK	108	0	19.45	19.59	19.54	20.7	0.0
40	PI2 BPSK	108	54	19.53	19.56	19.49	20.7	0.0
40	PI2 BPSK	108	108	19.55	19.68	19.56	20.7	0.0
40	PI2 BPSK	216	0	19.50	19.56	19.46		
40	QPSK	1	1	19.60	19.72	19.56		
40	QPSK	1	108	19.54	19.66	19.51	20.7	0.0
40	QPSK	1	214	19.50	19.66	19.57		
40	QPSK	108	0	19.52	19.58	19.48	20.7	0.0
40	QPSK	108	54	19.53	19.66	19.54	20.7	0.0
40	QPSK	108	108	19.42	19.58	19.45	20.7	0.0
40	QPSK	216	0	19.51	19.59	19.51	20.7	0.0
40	16QAM	1	1	19.58	19.69	19.54	20.7	0.0
40	64QAM	1	1	19.37	19.48	19.34	20.7	0.0
40	256QAM	1	1	19.01	19.14	19.09	20.0	0.7
Channel								
Frequency (MHz)				5200.0	5210.0	5190.0		
30	QPSK	1	1	19.56	19.55	19.52	20.7	0.0
Channel								
Frequency (MHz)				5025.0	5070.0	5115.0		
25	QPSK	1	1	19.57	19.60	19.42	20.7	0.0
Channel								
Frequency (MHz)				5020.0	5070.0	5120.0		
20	PI2 BPSK	1	1	19.54	19.58	19.47	20.7	0.0
Channel								
Frequency (MHz)				5015.0	5070.0	5125.0		
15	QPSK	1	1	19.56	19.67	19.52	20.7	0.0
Channel								
Frequency (MHz)				2905	2935	2965		
10	QPSK	1	1	19.45	19.68	19.51	20.7	0.0
Channel								
Frequency (MHz)				5000.0	5070.0	5130.0		
5	QPSK	1	1	19.52	19.59	19.54	20.7	0.0



n12 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				141900	141600	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI2 BPSK	1	1	21.82	21.86	21.78	
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0
15	PI2 BPSK	1	77	21.49	21.59	21.48	
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0
15	QPSK	1	1	21.87	21.95	21.82	
15	QPSK	1	40	21.76	21.86	21.74	23.0
15	QPSK	1	77	21.70	21.79	21.67	
15	QPSK	36	0	21.64	21.73	21.60	23.0
15	QPSK	36	22	21.83	21.86	21.79	23.0
15	QPSK	36	43	21.62	21.73	21.64	
15	QPSK	75	0	21.72	21.79	21.74	23.0
15	16QAM	1	1	21.53	21.63	21.52	23.0
15	64QAM	1	1	20.83	20.93	20.89	22.0
15	256QAM	1	1	19.33	19.41	19.29	20.0
Channel				140900	141500	142100	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	21.82	21.88	21.69	23.0
Channel				140900	141900	142700	
Frequency (MHz)				707.5	707.5	713.5	
5	QPSK	1	1	21.79	21.81	21.72	23.0

n13 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				155500	156000	156500	
Frequency (MHz)				722			
10	PI2 BPSK	1	1	21.84			
10	PI2 BPSK	1	26	21.79			23.0
10	PI2 BPSK	1	50	21.72			
10	PI2 BPSK	25	0	20.93			22.5
10	PI2 BPSK	25	14	21.88			23.0
10	PI2 BPSK	25	27	21.76			
10	PI2 BPSK	50	0	21.81			22.5
10	QPSK	1	1	21.94			
10	QPSK	1	26	21.87			23.0
10	QPSK	1	50	21.83			
10	QPSK	25	0	20.89			22.0
10	QPSK	25	14	21.89			23.0
10	QPSK	25	27	21.13			22.0
10	QPSK	50	0	21.19			22.0
10	16QAM	1	1	20.71			22.0
10	64QAM	1	1	19.53			20.5
10	256QAM	1	1	18.22			18.5
Channel				155500	156000	156500	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	1	21.80	21.87	21.81	23.0

n14 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				158100	158600	159100	
Frequency (MHz)				793			
10	PI2 BPSK	1	1	21.88			
10	PI2 BPSK	1	26	21.80			23.0
10	PI2 BPSK	1	50	21.86			
10	PI2 BPSK	25	0	21.89			23.0
10	PI2 BPSK	25	14	21.95			23.0
10	PI2 BPSK	25	27	21.86			
10	PI2 BPSK	50	0	21.93			23.0
10	QPSK	1	1	22.04			
10	QPSK	1	26	22.01			23.0
10	QPSK	1	50	21.96			
10	QPSK	25	0	21.94			23.0
10	QPSK	25	14	21.99			23.0
10	QPSK	25	27	21.87			23.0
10	QPSK	50	0	21.94			23.0
10	16QAM	1	1	21.88			23.0
10	64QAM	1	1	20.85			22.0
10	256QAM	1	1	19.09			20.0
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	1	21.93	21.98	21.91	23.0



n25 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	21.59	21.43	21.33	23.0	0.0	
40	PI2 BPSK	1	108	21.32	21.37	21.22			
40	PI2 BPSK	1	214	21.34	21.40	21.28			
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0	
40	PI2 BPSK	108	54	21.35	21.45	21.38	23.0	0.0	
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0	
40	PI2 BPSK	216	0	21.28	21.38	21.26			
40	QPSK	1	1	21.49	21.52	21.45			
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0	
40	QPSK	1	214	21.30	21.42	21.34			
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0	
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0	
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0	
40	QPSK	216	0	21.36	21.44	21.33			
40	16QAM	1	1	21.33	21.37	21.28	23.0	0.0	
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0	
40	256QAM	1	1	19.07	19.13	19.06	23.0	3.0	
Channel				372000	374500	377000			
Frequency (MHz)				1865	1882.5	1890			
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0	
Channel				372500	375000	377500			
Frequency (MHz)				1867.5	1882.5	1892.5			
25	QPSK	1	1	21.35	21.41	21.38	23.0	0.0	
Channel				372000	376500	381000			
Frequency (MHz)				1870	1882.5	1900			
20	QPSK	1	1	21.59	21.43	21.33	23.0	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1867.5	1882.5	1907.5			
15	QPSK	1	1	21.34	21.40	21.34	23.0	0.0	
Channel				371000	375500	380000			
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0	
Channel				370500	375000	379500			
Frequency (MHz)				1862.5	1882.5	1902.5			
5	QPSK	1	1	21.38	21.43	21.38	23.0	0.0	

n26 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.07	22.11	22.02			
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0	
20	PI2 BPSK	1	104	21.85	21.91	21.80			
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.94	22.06	21.94	23.0	0.0	
20	PI2 BPSK	50	56	21.83	21.91	21.81	23.0	0.0	
20	PI2 BPSK	100	0	21.82	22.01	21.95			
20	QPSK	1	1	22.03	22.15	22.04			
20	QPSK	1	53	21.89	22.10	22.07	23.0	0.0	
20	QPSK	1	104	21.91	22.05	21.94			
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0	
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0	
20	QPSK	50	56	21.92	21.99	21.83	23.0	0.0	
20	QPSK	100	0	22.02	22.08	21.94			
20	16QAM	1	1	21.84	21.75	21.69	23.0	0.0	
20	64QAM	1	1	20.86	21.11	21.08	22.0	1.0	
20	256QAM	1	1	19.32	19.41	19.29	23.0	3.0	
Channel				163300	165300	167300			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0	
Channel				163800	166300	168800			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	21.95	22.00	21.91	23.0	0.0	

n30 DSI3_ Standalone Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				461500	462000	462500			
Frequency (MHz)				2307.5	2310	2312.5			
10	PI2 BPSK	1	1	19.50					
10	PI2 BPSK	1	26	19.71			20.9	0.0	
10	PI2 BPSK	1	50	19.63					
10	PI2 BPSK	25	0	19.56			20.9	0.0	
10	PI2 BPSK	25	14	19.73			20.9	0.0	
10	PI2 BPSK	25	27	19.68			20.9	0.0	
10	PI2 BPSK	50	0	19.64					
10	QPSK	1	1	19.88					
10	QPSK	1	26	19.79			20.9	0.0	
10	QPSK	1	50	19.67					
10	QPSK	25	0	19.64			20.9	0.0	
10	QPSK	25	14	19.73			20.9	0.0	
10	QPSK	25	27	19.68			20.9	0.0	
10	QPSK	50	0	19.63					
10	16QAM	1	1	19.69			20.9	0.0	
10	64QAM	1	1	19.84			20.9	0.0	
10	256QAM	1	1	16.72			20.0	0.0	
Channel				461500	462000	462500			
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	19.81	19.76	19.84	20.9	0.0	



n66 DSI3_ Standalone Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	350000		
Frequency (MHz)				1725	1745	1760		
40	PI2 BPSK	1	1	21.87	21.73	21.61		
40	PI2 BPSK	1	108	21.49	21.61	21.55	22.8	0.0
40	PI2 BPSK	1	214	21.58	21.63	21.60		
40	PI2 BPSK	108	0	21.50	21.59	21.48	22.8	0.0
40	PI2 BPSK	108	54	21.68	21.70	21.66	22.8	0.0
40	PI2 BPSK	108	108	21.50	21.58	21.52	22.8	0.0
40	PI2 BPSK	216	0	21.59	21.64	21.52		
40	QPSK	1	1	21.87	21.79	21.74		
40	QPSK	1	108	21.62	21.72	21.63	22.8	0.0
40	QPSK	1	214	21.57	21.67	21.54		
40	QPSK	108	0	21.57	21.62	21.57	22.8	0.0
40	QPSK	108	54	21.62	21.74	21.60	22.8	0.0
40	QPSK	108	108	21.60	21.68	21.55	22.8	0.0
40	QPSK	216	0	21.67	21.71	21.64		
40	16QAM	1	1	21.52	21.63	21.52	22.8	0.0
40	64QAM	1	1	20.92	20.97	20.93	22.0	0.8
40	256QAM	1	1	19.62	19.77	19.65	20.0	2.3
Channel				345000	345000	350000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.64	21.70	21.60	22.8	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1725	1745	1775		
20	QPSK	1	1	21.58	21.67	21.63	22.8	0.0
Channel				343000	346000	345000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.60	21.73	21.62	22.8	0.0
Channel				342000	349000	350000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.52	21.71	21.68	22.8	0.0

n70 Default Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	350000		
Frequency (MHz)				1725	1745	1760		
15	PI2 BPSK	1	1	21.80				
15	PI2 BPSK	1	40	21.87			23.0	0.0
15	PI2 BPSK	1	77	21.82				
15	PI2 BPSK	36	0	21.34			22.5	0.5
15	PI2 BPSK	36	22	21.86			23.0	0.0
15	PI2 BPSK	36	43	21.26			22.5	0.5
15	PI2 BPSK	75	0	21.32				
15	QPSK	1	1	21.95				
15	QPSK	1	40	21.93			23.0	0.0
15	QPSK	1	77	21.86				
15	QPSK	36	0	21.35			22.0	1.0
15	QPSK	36	22	21.88			23.0	0.0
15	QPSK	36	43	21.40			22.0	1.0
15	QPSK	75	0	21.32				
15	16QAM	1	1	21.34			22.0	1.0
15	64QAM	1	1	19.88			20.5	2.5
15	256QAM	1	1	17.62			18.5	4.5
Channel				340000	345000	341000		
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.84	21.92	21.81	23.0	0.0
Channel				339000	340000	341000		
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.81	21.88	21.83	23.0	0.0



n71 Default Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.08	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	58	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.18	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	58	21.91	22.06	21.98		
20	QPSK	100	0	22.03	22.13	21.95	23.0	0.0
20	16QAM	1	1	21.98	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.98	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.43	19.42	20.0	3.0
Channel				134500	136000	137500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	688		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688.5	680.5	690.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 DSI3_Standalone Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	20.37	20.50	20.38		
30	PI2 BPSK	1	40	20.38	20.42	20.37	21.0	0.0
30	PI2 BPSK	1	76	20.23	20.38	20.22		
30	PI2 BPSK	36	0	20.25	20.41	20.31	21.0	0.0
30	PI2 BPSK	36	21	20.42	20.44	20.30	21.0	0.0
30	PI2 BPSK	36	42	20.19	20.31	20.27		
30	PI2 BPSK	75	0	20.36	20.40	20.29	21.0	0.0
30	QPSK	1	1	20.42	20.54	20.51		
30	QPSK	1	40	20.33	20.39	20.32	21.0	0.0
30	QPSK	1	76	20.22	20.37	20.20		
30	QPSK	36	0	20.28	20.43	20.37	21.0	0.0
30	QPSK	36	21	20.19	20.36	20.33	21.0	0.0
30	QPSK	36	42	20.18	20.34	20.25		
30	QPSK	75	0	20.38	20.42	20.40	21.0	0.0
30	16QAM	1	1	20.26	20.28	20.22	21.0	0.0
30	64QAM	1	1	20.09	20.25	20.09	21.0	0.0
30	256QAM	1	1	19.24	19.27	19.19	19.5	1.5
Channel				515004	519000	521006		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	20.37	20.51	20.39	21.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2584	2595	2610		
20	QPSK	1	1	20.26	20.41	20.35	21.0	0.0
Channel				515002	519000	520998		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.36	20.47	20.39	21.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2576.02	2595	2614.98		
10	QPSK	1	1	20.31	20.46	20.47	21.0	0.0

n41 DSI3_Standalone Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	528990		
Frequency (MHz)				2540.01	2552.99	2540		
100	PI2 BPSK	1	1	19.90	19.96	19.79		
100	PI2 BPSK	1	137	19.93	20.01	19.89	21.0	0.0
100	PI2 BPSK	1	271	19.88	19.98	19.85		
100	PI2 BPSK	135	0	19.93	20.02	19.92	21.0	0.0
100	PI2 BPSK	135	69	19.98	20.01	19.85	21.0	0.0
100	PI2 BPSK	135	138	19.76	19.89	19.80		
100	PI2 BPSK	270	0	19.84	19.89	19.76	21.0	0.0
100	QPSK	1	1	19.90	20.06	19.94		
100	QPSK	1	137	19.80	19.95	19.88	21.0	0.0
100	QPSK	1	271	19.97	20.00	19.86		
100	QPSK	135	0	19.78	19.92	19.87	21.0	0.0
100	QPSK	135	69	19.91	19.99	19.83	21.0	0.0
100	QPSK	135	138	19.83	19.96	19.83		
100	QPSK	270	0	19.87	20.03	19.99	21.0	0.0
100	16QAM	1	1	19.75	19.90	19.79	21.0	0.0
100	64QAM	1	1	19.23	19.32	19.30	20.5	0.5
100	256QAM	1	1	17.60	17.63	17.62	18.5	2.5
Channel				515000	518998	529998		
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	19.76	19.99	19.80	21.0	0.0
Channel				507004	518998	529998		
Frequency (MHz)				2638.02	2652.99	2648.99		
80	QPSK	1	1	19.80	19.93	19.87	21.0	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2531.01	2552.99	2605		
70	QPSK	1	1	19.85	20.00	19.79	21.0	0.0
Channel				505000	518998	531996		
Frequency (MHz)				2526	2552.99	2609.98		
60	QPSK	1	1	19.85	19.91	19.91	21.0	0.0
Channel				505004	518998	532996		
Frequency (MHz)				2521.02	2552.99	2604.99		
50	QPSK	1	1	19.78	19.97	19.91	21.0	0.0
Channel				503002	518998	534000		
Frequency (MHz)				2516.01	2552.99	2600		
40	QPSK	1	1	19.85	19.98	19.88	21.0	0.0
Channel				502000	518998	534996		
Frequency (MHz)				2511	2552.99	2674.98		
30	QPSK	1	1	19.81	19.89	19.89	21.0	0.0
Channel				501004	518998	535996		
Frequency (MHz)				2506.02	2552.99	2679.99		
20	QPSK	1	1	19.81	20.03	19.88	21.0	0.0



n41 PC2 DS13_ Standalone Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	22.59	23.09	23.07			
100	PI2 BPSK	1	137	22.86	22.97	22.85	24.0	0.0	
100	PI2 BPSK	1	271	22.99	23.06	22.92			
100	PI2 BPSK	135	0	22.97	23.09	23.03	24.0	0.0	
100	PI2 BPSK	135	69	23.03	23.10	23.03	24.0	0.0	
100	PI2 BPSK	135	138	22.96	23.01	22.86			
100	PI2 BPSK	270	0	22.96	22.99	22.97	24.0	0.0	
100	QPSK	1	1	22.96	23.13	23.00			
100	QPSK	1	197	22.96	23.00	22.96	24.0	0.0	
100	QPSK	1	211	23.00	23.08	22.96			
100	QPSK	135	0	22.84	22.98	22.84	24.0	0.0	
100	QPSK	135	69	22.96	23.07	22.88	24.0	0.0	
100	QPSK	135	138	22.96	23.05	22.91			
100	QPSK	270	0	22.90	23.02	22.93	24.0	0.0	
100	16QAM	1	1	22.92	23.06	22.91	24.0	0.0	
100	64QAM	1	1	22.73	22.86	22.75	24.0	0.0	
100	256QAM	1	1	20.92	21.07	21.01	22.0	2.0	
Channel				506203	518599	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2692.99	2644.98			
80	QPSK	1	1	22.91	23.10	22.89	24.0	0.0	
Channel				507204	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2638.02	2692.99	2644.98			
80	QPSK	1	1	22.83	23.10	22.96	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.92	22.99	22.92	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.93	23.06	22.93	24.0	0.0	
Channel				505203	518599	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.81	22.99	22.84	24.0	0.0	
Channel				505202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	22.95	23.03	22.94	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.83	23.03	22.91	24.0	0.0	
Channel				501203	518599	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.80	23.10	22.93	24.0	0.0	

n48 Part96 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3070	3024.19	3079.98			
40	PI2 BPSK	1	1	23.05	23.05	23.03			
40	PI2 BPSK	1	53	23.03	23.02	23.05	24.0	0.0	
40	PI2 BPSK	1	104	23.49	23.52	23.45			
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5	
40	PI2 BPSK	50	26	23.03	23.07	23.06	24.0	0.0	
40	PI2 BPSK	50	86	23.14	23.18	23.14	23.5	0.5	
40	PI2 BPSK	100	0	23.14	23.22	23.22			
40	QPSK	1	1	23.05	23.73	23.56			
40	QPSK	1	53	23.54	23.62	23.60	24.0	0.0	
40	QPSK	1	104	23.41	23.62	23.51			
40	QPSK	50	0	22.65	22.82	22.64	23.0	1.0	
40	QPSK	50	26	23.60	23.70	23.47	24.0	0.0	
40	QPSK	50	56	22.57	22.89	22.84	23.0	1.0	
40	QPSK	100	0	22.63	22.82	22.71			
40	16QAM	1	1	22.58	22.67	22.58	23.0	1.0	
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5	
40	256QAM	1	1	19.17	19.36	19.26	19.5	4.5	
Channel				#REF!	#REF!	#REF!	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				#REF!	#REF!	#REF!			
30	QPSK	1	1	23.16	23.22	23.03	#REF!	0.0	
Channel				#REF!	#REF!	#REF!	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				#REF!	#REF!	#REF!			
20	QPSK	1	1	23.16	23.19	23.05	#REF!	0.0	
Channel				#REF!	#REF!	#REF!	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				#REF!	#REF!	#REF!			
10	QPSK	1	1	23.16	23.25	23.06	#REF!	0.0	



Part270 n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	22.52	22.91	22.88	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	22.52	22.91	22.88	24.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

Part270 n77 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.84	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.63	25.70	25.86	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	25.75	25.84	25.80	27.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.80	25.87	25.72	27.0	0.0

Part270Q n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	Pl2 BPSK	1	1		22.41			
100	Pl2 BPSK	1	137		23.32		24.0	0.0
100	Pl2 BPSK	1	271		23.26			
100	Pl2 BPSK	135	0		22.88		23.5	0.5
100	Pl2 BPSK	135	69		23.08		24.0	0.0
100	Pl2 BPSK	135	138		22.81		23.5	0.5
100	Pl2 BPSK	270	0		22.74			
100	QPSK	1	1		23.45			
100	QPSK	1	137		23.30		24.0	0.0
100	QPSK	1	271		23.35			
100	QPSK	135	0		23.43		23.0	1.0
100	QPSK	135	69		23.22		24.0	0.0
100	QPSK	135	138		22.56		23.0	1.0
100	QPSK	270	0		22.53			
100	16QAM	1	1		22.15		21.5	2.5
100	64QAM	1	1		20.84		19.5	4.5
100	256QAM	1	1		18.96		18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.31	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.01	24.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



Part27Q n77 PC2 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	28.54	3000.01				
100	PI2 BPSK	1	137	28.32			27.0	0.0	
100	PI2 BPSK	1	271	28.51					
100	PI2 BPSK	135	0	28.34			27.0	0.0	
100	PI2 BPSK	135	69	28.44			27.0	0.0	
100	PI2 BPSK	135	138	28.18			27.0	0.0	
100	PI2 BPSK	270	0	28.27					
100	QPSK	1	1	28.60					
100	QPSK	1	137	28.36			27.0	0.0	
100	QPSK	1	271	28.39					
100	QPSK	135	0	28.58			26.5	0.5	
100	QPSK	135	69	28.42			27.0	0.0	
100	QPSK	135	138	28.50			26.5	0.5	
100	QPSK	270	0	28.15					
100	16QAM	1	1	28.02			26.5	0.5	
100	64QAM	1	1	24.61			25.0	2.0	
100	256QAM	1	1	22.42			23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	28.47	28.46	28.58	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	28.48	28.58	28.53	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	28.50	28.51	28.49	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	28.56	28.47	28.56	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	28.48	28.45	28.43	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	28.54	28.51	28.51	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	28.46	28.52	28.53	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	28.58	28.57	28.56	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	28.57	28.58	28.54	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	28.50	28.45	28.55	27.0	0.0	

Part27O n78 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.80	3750	3750	3750		
100	PI2 BPSK	1	137	22.85				24.0	0.0
100	PI2 BPSK	1	271	22.81					
100	PI2 BPSK	135	0	22.33			23.5	0.5	
100	PI2 BPSK	135	69	22.88			24.0	0.0	
100	PI2 BPSK	135	138	22.32			23.5	0.5	
100	PI2 BPSK	270	0	22.40					
100	QPSK	1	1	22.91					
100	QPSK	1	137	22.65			24.0	0.0	
100	QPSK	1	271	22.72					
100	QPSK	135	0	22.05			23.0	1.0	
100	QPSK	135	69	22.82			24.0	0.0	
100	QPSK	135	138	21.90			23.0	1.0	
100	QPSK	270	0	21.93					
100	16QAM	1	1	21.71			23.0	1.0	
100	64QAM	1	1	20.38			21.5	2.5	
100	256QAM	1	1	18.62			19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.77	22.87	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.88	22.85	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.83	22.80	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.87	22.76	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.77	22.77	22.87	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.84	22.80	22.77	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.86	22.78	22.75	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.80	22.84	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.77	22.79	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.80	22.75	22.84	24.0	0.0	



Part270 n78 PC2 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	25.90	25.90	25.90				
100	PI2 BPSK	1	137	25.74	25.74	25.74	27.0	0.0		
100	PI2 BPSK	1	271	25.70	25.70	25.70				
100	PI2 BPSK	135	0	25.79	25.79	25.79	27.0	0.0		
100	PI2 BPSK	135	69	25.87	25.87	25.87	27.0	0.0		
100	PI2 BPSK	135	138	25.75	25.75	25.75	27.0	0.0		
100	PI2 BPSK	270	0	25.78	25.78	25.78				
100	QPSK	1	1	25.94	25.94	25.94				
100	QPSK	1	137	25.86	25.86	25.86	27.0	0.0		
100	QPSK	1	271	25.89	25.89	25.89				
100	QPSK	135	0	25.64	25.64	25.64	26.5	0.5		
100	QPSK	135	69	25.88	25.88	25.88	27.0	0.0		
100	QPSK	135	138	25.40	25.40	25.40	26.5	0.5		
100	QPSK	270	0	25.47	25.47	25.47				
100	16QAM	1	1	25.40	25.40	25.40	26.5	0.5		
100	16QAM	1	1	23.91	23.91	23.91	25.0	2.0		
100	25QAM	1	1	22.07	22.07	22.07	23.0	4.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	25.88	25.88	25.82	27.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	25.91	25.90	25.91	27.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	25.88	25.79	25.82	27.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	25.85	25.80	25.78	27.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	25.77	25.78	25.84	27.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	25.80	25.80	25.79	27.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	25.84	25.70	25.80	27.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	25.86	25.89	25.78	27.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	25.77	25.91	25.88	27.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	25.83	25.87	25.87	27.0	0.0		

Part27Q n78 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	23.30	23.30	23.30				
100	PI2 BPSK	1	137	23.29	23.29	23.29	24.0	0.0		
100	PI2 BPSK	1	271	23.48	23.48	23.48				
100	PI2 BPSK	135	0	23.09	23.09	23.09	23.5	0.5		
100	PI2 BPSK	135	69	23.33	23.33	23.33	24.0	0.0		
100	PI2 BPSK	135	138	22.99	22.99	22.99	23.5	0.5		
100	PI2 BPSK	270	0	23.12	23.12	23.12				
100	QPSK	1	1	23.41	23.41	23.41				
100	QPSK	1	137	23.19	23.19	23.19	24.0	0.0		
100	QPSK	1	271	23.35	23.35	23.35				
100	QPSK	135	0	22.71	22.71	22.71	23.0	1.0		
100	QPSK	135	69	23.40	23.40	23.40	24.0	0.0		
100	QPSK	135	138	22.61	22.61	22.61	23.0	1.0		
100	QPSK	270	0	22.60	22.60	22.60				
100	16QAM	1	1	22.37	22.37	22.37	23.0	1.0		
100	16QAM	1	1	21.28	21.28	21.28	21.5	2.5		
100	25QAM	1	1	19.31	19.31	19.31	19.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	23.37	23.29	23.28	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	23.26	23.34	23.28	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	23.31	23.39	23.25	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	23.32	23.34	23.39	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	23.38	23.33	23.32	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	23.27	23.26	23.39	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	23.25	23.34	23.24	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.33	23.34	23.28	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	23.26	23.31	23.26	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	23.25	23.25	23.25	24.0	0.0		

Part27Q n78 PC2 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	26.43	26.43	26.43				
100	PI2 BPSK	1	137	26.12	26.12	26.12	27.0	0.0		
100	PI2 BPSK	1	271	26.39	26.39	26.39				
100	PI2 BPSK	135	0	26.23	26.23	26.23	27.0	0.0		
100	PI2 BPSK	135	69	26.60	26.60	26.60	27.0	0.0		
100	PI2 BPSK	135	138	26.12	26.12	26.12	27.0	0.0		
100	PI2 BPSK	270	0	25.96	25.96	25.96				
100	QPSK	1	1	26.51	26.51	26.51				
100	QPSK	1	137	26.27	26.27	26.27	27.0	0.0		
100	QPSK	1	271	26.49	26.49	26.49				
100	QPSK	135	0	25.81	25.81	25.81	26.5	0.5		
100	QPSK	135	69	26.30	26.30	26.30	27.0	0.0		
100	QPSK	135	138	25.89	25.89	25.89	26.5	0.5		
100	QPSK	270	0	25.95	25.95	25.95				
100	16QAM	1	1	25.76	25.76	25.76	26.5	0.5		
100	16QAM	1	1	24.17	24.17	24.17	25.0	2.0		
100	25QAM	1	1	22.12	22.12	22.12	23.0	4.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	26.47	26.36	26.41	27.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	26.41	26.40	26.45	27.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	26.47	26.47	26.37	27.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	26.35	26.37	26.47	27.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	26.49	26.48	26.48	27.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	26.41	26.43	26.47	27.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	26.34	26.47	26.42	27.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	26.47	26.44	26.41	27.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	26.45	26.49	26.47	27.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	26.39	26.47	26.43	27.0	0.0		



n2 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				372000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.50	21.62	21.58			
20	PI2 BPSK	1	53	21.45	21.58	21.44	23.0	0.0	
20	PI2 BPSK	1	104	21.46	21.50	21.35			
20	PI2 BPSK	50	0	21.40	21.44	21.31	23.0	0.0	
20	PI2 BPSK	50	28	21.42	21.54	21.42	23.0	0.0	
20	PI2 BPSK	50	56	21.44	21.49	21.44	23.0	0.0	
20	PI2 BPSK	100	0	21.46	21.51	21.39	23.0	0.0	
20	QPSK	1	1	21.54	21.66	21.57			
20	QPSK	1	53	21.61	21.64	21.54	23.0	0.0	
20	QPSK	1	104	21.68	21.55	21.43			
20	QPSK	50	0	21.50	21.59	21.46	23.0	0.0	
20	QPSK	50	28	21.51	21.61	21.49	23.0	0.0	
20	QPSK	50	56	21.39	21.52	21.49	23.0	0.0	
20	QPSK	100	0	21.46	21.55	21.44	23.0	0.0	
20	16QAM	1	1	21.33	21.46	21.32	23.0	0.0	
20	64QAM	1	1	20.83	20.70	20.57	22.0	1.0	
20	256QAM	1	1	18.54	18.01	18.48	23.0	3.0	
Channel									
				1897.5	1880	1902.5			
Frequency (MHz)									
15	QPSK	1	1	21.49	21.61	21.51	23.0	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
10	QPSK	1	1	21.40	21.60	21.53	23.0	0.0	
Channel									
				370000	376000	381500			
Frequency (MHz)									
5	QPSK	1	1	21.43	21.58	21.54	23.0	0.0	

n5 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38	24.0	0.0	
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0	
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	23.0	1.0	
Channel									
				163300	163300	163300			
Frequency (MHz)									
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
				165800	167300	168800			
Frequency (MHz)									
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
				166300	167300	168300			
Frequency (MHz)									
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DSI3_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	16.46	16.58	16.46			
40	PI2 BPSK	1	108	16.48	16.54	16.43	17.6	0.0	
40	PI2 BPSK	1	214	16.46	16.51	16.43			
40	PI2 BPSK	108	0	16.39	16.47	16.39	17.6	0.0	
40	PI2 BPSK	108	54	16.41	16.55	16.48	17.6	0.0	
40	PI2 BPSK	108	108	16.55	16.58	16.56	17.6	0.0	
40	PI2 BPSK	216	0	16.48	16.54	16.40			
40	QPSK	1	1	16.58	16.63	16.49			
40	QPSK	1	108	16.42	16.56	16.41	17.6	0.0	
40	QPSK	1	214	16.50	16.54	16.48			
40	QPSK	108	0	16.49	16.59	16.43	17.6	0.0	
40	QPSK	108	54	16.43	16.61	16.48	17.6	0.0	
40	QPSK	108	108	16.53	16.47	16.38	17.6	0.0	
40	QPSK	216	0	16.55	16.57	16.54	17.6	0.0	
40	16QAM	1	1	16.49	16.57	16.54	17.6	0.0	
40	64QAM	1	1	16.34	16.50	16.42	17.6	0.0	
40	256QAM	1	1	16.34	16.44	16.31	17.6	0.0	
Channel									
				520000	521000	521000			
Frequency (MHz)									
30	QPSK	1	1	16.44	16.57	16.37	17.6	0.0	
Channel									
				502500	507000	511500			
Frequency (MHz)									
25	QPSK	1	1	16.43	16.47	16.46	17.6	0.0	
Channel									
				502000	507000	512000			
Frequency (MHz)									
20	PI2 BPSK	1	1	16.54	16.54	16.55	17.6	0.0	
Channel									
				501500	507000	512500			
Frequency (MHz)									
15	QPSK	1	1	16.48	16.50	16.43	17.6	0.0	
Channel									
				501000	507000	513000			
Frequency (MHz)									
10	QPSK	1	1	16.43	16.49	16.43	17.6	0.0	
Channel									
				500500	507000	513500			
Frequency (MHz)									
5	QPSK	1	1	16.47	16.50	16.37	17.6	0.0	



n25 Default Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	21.44	21.53	21.44	0.0
40	PI2 BPSK	1	108	21.32	21.41	21.36	23.0
40	PI2 BPSK	1	214	21.32	21.43	21.34	0.0
40	PI2 BPSK	108	0	21.42	21.52	21.45	23.0
40	PI2 BPSK	108	54	21.39	21.46	21.43	23.0
40	PI2 BPSK	108	108	21.36	21.45	21.39	0.0
40	PI2 BPSK	216	0	21.33	21.41	21.28	23.0
40	QPSK	1	1	21.82	21.86	21.57	0.0
40	QPSK	1	108	21.43	21.54	21.49	23.0
40	QPSK	1	214	21.41	21.49	21.40	0.0
40	QPSK	108	0	21.48	21.55	21.47	23.0
40	QPSK	108	54	21.53	21.58	21.48	23.0
40	QPSK	108	108	21.38	21.48	21.39	0.0
40	QPSK	216	0	21.47	21.51	21.43	23.0
40	16QAM	1	1	21.23	21.32	21.18	23.0
40	64QAM	1	1	20.43	20.47	20.35	22.0
40	256QAM	1	1	18.86	18.67	18.60	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.85	18.82	19.00	23.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	21.55	21.61	21.47	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	21.53	21.58	21.44	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	21.52	21.62	21.49	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.55	21.57	21.53	23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	21.48	21.56	21.52	23.0

n30 DSI3_Standalone Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	18.44			17.4
10	PI2 BPSK	1	26	18.36			0.0
10	PI2 BPSK	1	50	18.45			0.0
10	PI2 BPSK	25	0	18.38			17.4
10	PI2 BPSK	25	14	18.41			17.4
10	PI2 BPSK	25	27	18.33			0.0
10	PI2 BPSK	50	0	18.41			17.4
10	QPSK	1	1	18.48			0.0
10	QPSK	1	26	18.32			17.4
10	QPSK	1	50	18.35			0.0
10	QPSK	25	0	18.36			17.4
10	QPSK	25	14	18.41			17.4
10	QPSK	25	27	18.23			17.4
10	QPSK	50	0	18.43			17.4
10	16QAM	1	1	18.38			17.4
10	64QAM	1	1	18.41			17.4
10	256QAM	1	1	18.42			17.4
Channel							
Frequency (MHz)							
5	QPSK	1	1	18.29	18.42	18.30	17.4

n66 Default Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	22.01	22.11	22.07	0.0
40	PI2 BPSK	1	108	21.97	22.07	21.94	23.0
40	PI2 BPSK	1	214	21.90	21.96	21.82	0.0
40	PI2 BPSK	108	0	21.77	21.90	21.86	23.0
40	PI2 BPSK	108	54	21.84	21.85	22.01	23.0
40	PI2 BPSK	108	108	21.85	21.89	21.82	0.0
40	PI2 BPSK	216	0	21.84	21.95	21.83	23.0
40	QPSK	1	1	22.06	22.18	22.01	0.0
40	QPSK	1	108	22.05	22.12	22.05	23.0
40	QPSK	1	214	22.02	22.07	22.00	0.0
40	QPSK	108	0	21.81	21.93	21.83	23.0
40	QPSK	108	54	21.95	21.99	21.86	23.0
40	QPSK	108	108	21.87	21.93	21.80	23.0
40	QPSK	216	0	21.92	21.98	21.82	23.0
40	16QAM	1	1	21.88	21.91	21.78	23.0
40	64QAM	1	1	20.61	20.73	20.66	22.0
40	256QAM	1	1	19.34	19.42	19.38	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	17.25	17.45	17.65	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	21.99	22.10	21.90	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.00	22.06	21.89	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.90	22.07	21.88	23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.01	22.04	21.91	23.0



n70 Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel					1702.5			
Frequency (MHz)					1702.5			
15	PI2 BPSK	1	1	22.08			23.0	0.0
15	PI2 BPSK	1	49	21.95				
15	PI2 BPSK	1	77	21.40				
15	PI2 BPSK	36	0	22.03			22.5	0.5
15	PI2 BPSK	36	22	22.06			23.0	0.0
15	PI2 BPSK	36	43	21.38				
15	PI2 BPSK	75	0	21.45			22.5	0.5
15	QPSK	1	1	22.11				
15	QPSK	1	49	22.05			23.0	0.0
15	QPSK	1	77	22.07				
15	QPSK	36	0	21.06			22.0	1.0
15	QPSK	36	22	22.07			23.0	0.0
15	QPSK	36	43	20.56			22.0	1.0
15	QPSK	72	0	21.14				
15	16QAM	1	1	21.18			22.0	1.0
15	64QAM	1	1	19.78			20.5	2.5
15	256QAM	1	1	17.67			18.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.98	22.04	21.97	23.0	0.0
Channel				338500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1692.5	1702.5	1702.5		
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 DSI3_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2593.01	2595	2604.99		
30	PI2 BPSK	1	1	15.96	16.00	15.97		
30	PI2 BPSK	1	40	15.96	15.99	15.89	16.9	0.0
30	PI2 BPSK	1	76	15.97	16.01	15.97		
30	PI2 BPSK	36	0	15.89	15.99	15.88	16.9	0.0
30	PI2 BPSK	36	21	15.93	15.96	15.88	16.9	0.0
30	PI2 BPSK	36	42	15.89	16.03	15.88	16.9	0.0
30	PI2 BPSK	75	0	16.02	16.06	15.90		
30	QPSK	1	1	15.98	16.09	15.92		
30	QPSK	1	40	15.96	16.04	15.93	16.9	0.0
30	QPSK	1	76	15.90	15.92	15.82		
30	QPSK	36	0	15.80	15.90	15.86	16.9	0.0
30	QPSK	36	21	15.85	16.02	15.99	16.9	0.0
30	QPSK	36	42	15.87	15.84	15.80	16.9	0.0
30	QPSK	72	0	15.96	16.02	15.89		
30	16QAM	1	1	15.93	16.03	15.93	16.9	0.0
30	64QAM	1	1	15.90	16.00	15.86	16.9	0.0
30	256QAM	1	1	15.80	15.82	15.76	16.9	0.0
Channel				515004	519000	521006		
Frequency (MHz)				2582.52	2585	2607.48		
25	QPSK	1	1	15.82	16.06	15.89	16.9	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2577.51	2595	2612.49		
20	QPSK	1	1	15.84	15.96	15.76	16.9	0.0
Channel				515002	519000	520998		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	15.84	16.01	15.79	16.9	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2576.02	2595	2614.98		
10	QPSK	1	1	15.84	15.93	15.79	16.9	0.0

n41 DSI3_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	520990		
Frequency (MHz)				2540.01	2592.99	2540		
100	PI2 BPSK	1	1	15.96	16.04	15.90		
100	PI2 BPSK	1	137	15.86	16.00	15.89	16.9	0.0
100	PI2 BPSK	1	271	16.00	16.06	15.99		
100	PI2 BPSK	135	0	15.85	15.93	15.87	16.9	0.0
100	PI2 BPSK	135	69	15.92	16.01	15.87	16.9	0.0
100	PI2 BPSK	135	138	15.88	15.97	15.80	16.9	0.0
100	PI2 BPSK	270	0	15.86	15.99	15.91		
100	QPSK	1	1	16.08	16.11	16.03		
100	QPSK	1	137	15.96	16.05	15.91	16.9	0.0
100	QPSK	1	271	16.01	16.07	16.01		
100	QPSK	135	0	15.82	15.90	15.86	16.9	0.0
100	QPSK	135	69	16.03	16.06	15.94	16.9	0.0
100	QPSK	135	138	15.88	15.98	15.86	16.9	0.0
100	QPSK	270	0	15.82	15.97	15.82		
100	16QAM	1	1	15.91	16.04	15.90	16.9	0.0
100	64QAM	1	1	15.81	15.98	15.93	16.9	0.0
100	256QAM	1	1	15.72	15.82	15.81	16.9	0.0
Channel				515000	518998	520996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.96	15.99	15.91	16.9	0.0
Channel				507004	518998	520998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	16.00	16.04	16.00	16.9	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2631.01	2692.99	2665		
70	QPSK	1	1	16.00	16.04	15.90	16.9	0.0
Channel				505000	518998	531996		
Frequency (MHz)				2626	2692.99	2669.98		
60	QPSK	1	1	16.01	15.96	15.93	16.9	0.0
Channel				505004	518998	532000		
Frequency (MHz)				2621.02	2692.99	2664.99		
50	QPSK	1	1	16.00	16.02	15.89	16.9	0.0
Channel				503002	518998	534000		
Frequency (MHz)				2616.01	2692.99	2661		
40	QPSK	1	1	16.02	15.97	15.92	16.9	0.0
Channel				502000	518998	534996		
Frequency (MHz)				2511	2692.99	2674.98		
30	QPSK	1	1	15.89	15.89	16.00	16.9	0.0
Channel				501004	518998	535000		
Frequency (MHz)				2606.02	2692.99	2678.99		
20	QPSK	1	1	15.91	16.00	15.98	16.9	0.0



n41 PC2 DSI3_ Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526994			
Frequency (MHz)				2546.01	2592.98	2640			
100	Pi/2 BPSK	1	1	18.52	18.77	18.74			
100	Pi/2 BPSK	1	137	18.77	18.80	18.84	19.9	0.0	
100	Pi/2 BPSK	1	271	18.87	18.82	18.73			
100	Pi/2 BPSK	135	0	18.73	18.79	18.74	19.9	0.0	
100	Pi/2 BPSK	135	69	18.87	18.78	18.84	19.9	0.0	
100	Pi/2 BPSK	135	138	18.78	18.81	18.72			
100	Pi/2 BPSK	270	0	18.69	18.82	18.71	19.9	0.0	
100	QPSK	1	1	18.76	18.91	18.84			
100	QPSK	1	137	18.74	18.77	18.85	19.9	0.0	
100	QPSK	1	271	18.80	18.87	18.73			
100	QPSK	135	0	18.59	18.76	18.61	19.9	0.0	
100	QPSK	135	69	18.85	18.89	18.87	19.9	0.0	
100	QPSK	135	138	18.73	18.77	18.85	19.9	0.0	
100	QPSK	270	0	18.82	18.84	18.72			
100	16QAM	1	1	18.65	18.78	18.65	19.9	0.0	
100	16QAM	1	1	18.86	18.82	18.89	19.9	0.0	
100	256QAM	1	1	18.80	18.70	18.88	19.9	0.0	
Channel				506203	516599	526995	Tune-up limit	MPR	
Frequency (MHz)				2641	2592.99	2644.98			
90	QPSK	1	1	18.68	18.86	18.82	19.9	0.0	
Channel				507204	516598	526998	Tune-up limit	MPR	
Frequency (MHz)				2638.02	2592.99	2640.98			
80	QPSK	1	1	18.71	18.89	18.71	19.9	0.0	
Channel				506202	516598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.58	18.72	18.81	19.9	0.0	
Channel				505200	516598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.73	18.82	18.82	19.9	0.0	
Channel				505203	516599	532999	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.84	18.89	18.76	19.9	0.0	
Channel				505202	516598	534000	Tune-up limit	MPR	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	18.69	18.84	18.71	19.9	0.0	
Channel				502200	516598	534999	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.58	18.77	18.77	19.9	0.0	
Channel				501203	516599	535999	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.62	18.76	18.71	19.9	0.0	

n48 Part96 DSI3_ Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	Pi/2 BPSK	1	1	19.24	19.44	19.33			
40	Pi/2 BPSK	1	53	19.31	19.40	19.30	20.8	0.0	
40	Pi/2 BPSK	1	104	19.23	19.36	19.24			
40	Pi/2 BPSK	50	0	19.15	19.34	19.28	20.8	0.0	
40	Pi/2 BPSK	50	26	19.31	19.41	19.32	20.8	0.0	
40	Pi/2 BPSK	50	56	19.35	19.50	19.32	20.8	0.0	
40	Pi/2 BPSK	100	0	19.28	19.43	19.36			
40	QPSK	1	1	19.44	19.56	19.45			
40	QPSK	1	53	19.46	19.44	19.30	20.8	0.0	
40	QPSK	1	104	19.41	19.45	19.33			
40	QPSK	50	0	19.37	19.36	19.33	20.8	0.0	
40	QPSK	50	26	19.33	19.51	19.40	20.8	0.0	
40	QPSK	50	56	19.33	19.43	19.30	20.8	0.0	
40	QPSK	100	0	19.34	19.32	19.29			
40	16QAM	1	1	19.34	19.46	19.40	20.8	0.0	
40	16QAM	1	1	19.38	19.39	19.22	20.8	0.0	
40	256QAM	1	1	19.18	19.24	19.20	19.8	1.3	
Channel				637000	641666	645999	Tune-up limit	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	19.40	19.53	19.39	20.8	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3560.03	3624.99	3690			
20	QPSK	1	1	19.34	19.50	19.39	20.8	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3624.99	3684.98			
10	QPSK	1	1	19.39	19.53	19.38	20.8	0.0	



Part270 n77 DS13_ Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.07	19.18	19.13		
100	PI2 BPSK	1	137	18.90	19.05	18.96	20.6	0.0
100	PI2 BPSK	1	271	18.94	19.05	18.97		
100	PI2 BPSK	135	0	19.16	19.20	19.17	20.6	0.0
100	PI2 BPSK	135	69	18.13	19.17	18.12	20.6	0.0
100	PI2 BPSK	135	138	18.93	19.06	18.99	20.6	0.0
100	PI2 BPSK	270	0	19.07	19.11	19.09	20.6	0.0
100	QPSK	1	1	19.07	19.22	19.17		
100	QPSK	1	137	18.94	19.10	18.96	20.6	0.0
100	QPSK	1	271	19.06	19.11	18.95		
100	QPSK	135	0	18.93	19.06	18.99	20.6	0.0
100	QPSK	135	69	18.96	19.13	19.04	20.6	0.0
100	QPSK	135	138	18.98	19.12	18.96	20.6	0.0
100	QPSK	270	0	19.10	19.12	19.04	20.6	0.0
100	16QAM	1	1	18.97	19.12	18.99	20.6	0.0
100	64QAM	1	1	18.99	19.05	19.01	20.6	0.0
100	256QAM	1	1	19.02	19.07	19.02	19.5	1.1
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.99	18.99	19.05	20.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	18.99	18.97	19.02	20.6	0.0
Channel								
Frequency (MHz)				649000	650000	651000		
70	QPSK	1	1	18.99	18.99	19.03	20.6	0.0
Channel								
Frequency (MHz)				649000	650000	651000		
60	QPSK	1	1	18.92	18.99	19.04	20.6	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.88	18.98	19.01	20.6	0.0
Channel								
Frequency (MHz)				648000	650000	652000		
40	QPSK	1	1	18.97	18.97	19.06	20.6	0.0
Channel								
Frequency (MHz)				647668	650000	653332		
30	QPSK	1	1	18.96	18.92	19.02	20.6	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.88	18.98	19.06	20.6	0.0
Channel								
Frequency (MHz)				647160	650000	653334		
15	QPSK	1	1	18.90	19.00	19.03	20.6	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.97	18.99	19.05	20.6	0.0

Part270 n77 PC2 DS13_ Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.15	22.22	22.08		
100	PI2 BPSK	1	137	22.06	22.18	22.16	23.6	0.0
100	PI2 BPSK	1	271	22.18	22.23	22.15		
100	PI2 BPSK	135	0	22.02	22.17	22.08	23.6	0.0
100	PI2 BPSK	135	69	22.05	22.19	22.10	23.6	0.0
100	PI2 BPSK	135	138	22.17	22.26	22.20	23.6	0.0
100	PI2 BPSK	270	0	22.08	22.14	22.06	23.6	0.0
100	QPSK	1	1	22.16	22.31	22.21		
100	QPSK	1	137	22.14	22.25	22.11	23.6	0.0
100	QPSK	1	271	21.99	22.14	22.00		
100	QPSK	135	0	22.11	22.15	22.05	23.6	0.0
100	QPSK	135	69	22.15	22.25	22.13	23.6	0.0
100	QPSK	135	138	22.06	22.12	22.04	23.6	0.0
100	QPSK	270	0	22.05	22.20	22.17	23.6	0.0
100	16QAM	1	1	22.09	22.17	22.03	23.6	0.0
100	64QAM	1	1	22.04	22.09	21.99	23.6	0.0
100	256QAM	1	1	22.01	22.06	21.98	23.0	0.8
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.09	22.28	22.13	23.6	0.0
Channel								
Frequency (MHz)				649000	650000	652000		
80	QPSK	1	1	22.10	22.28	22.16	23.6	0.0
Channel								
Frequency (MHz)				649000	650000	653000		
70	QPSK	1	1	22.11	22.23	22.11	23.6	0.0
Channel								
Frequency (MHz)				3730.02	3840	3945.01		
60	QPSK	1	1	22.07	22.25	22.18	23.6	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.09	22.21	22.13	23.6	0.0
Channel								
Frequency (MHz)				648000	650000	654000		
40	QPSK	1	1	22.12	22.25	22.15	23.6	0.0
Channel								
Frequency (MHz)				647668	650000	654332		
30	QPSK	1	1	22.13	22.28	22.18	23.6	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.13	22.24	22.15	23.6	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	22.12	22.28	22.19	23.6	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.12	22.27	22.16	23.6	0.0

Part27Q n77 DS13_ Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		19.47			
100	PI2 BPSK	1	137		19.44		20.6	0.0
100	PI2 BPSK	1	271		19.38			
100	PI2 BPSK	135	0		19.39		20.6	0.0
100	PI2 BPSK	135	69		19.39		20.6	0.0
100	PI2 BPSK	135	138		19.35		20.6	0.0
100	PI2 BPSK	270	0		19.49		20.6	0.0
100	QPSK	1	1		19.51			
100	QPSK	1	137		19.45		20.6	0.0
100	QPSK	1	271		19.44			
100	QPSK	135	0		19.40		20.6	0.0
100	QPSK	135	69		19.49		20.6	0.0
100	QPSK	135	138		19.37		20.6	0.0
100	QPSK	270	0		19.48		20.6	0.0
100	16QAM	1	1		19.40		20.6	0.0
100	64QAM	1	1		19.33		20.6	0.0
100	256QAM	1	1		19.26		19.5	1.1
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	19.38	19.28	19.34	20.6	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	19.43	19.30	19.36	20.6	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	19.43	19.31	19.37	20.6	0.0
Channel								
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.43	19.33	19.32	20.6	0.0
Channel								
Frequency (MHz)				631668	633334	633000		
50	QPSK	1	1	19.41	19.32	19.33	20.6	0.0
Channel								
Frequency (MHz)				631334	633334	633334		
40	QPSK	1	1	19.42	19.29	19.37	20.6	0.0
Channel								
Frequency (MHz)				631000	633334	633668		
30	QPSK	1	1	19.40	19.31	19.37	20.6	0.0
Channel								
Frequency (MHz)				630668	633334	633000		
20	QPSK	1	1	19.39	19.33	19.37	20.6	0.0
Channel								
Frequency (MHz)				630334	633334	633668		
15	QPSK	1	1	19.44	19.31	19.34	20.6	0.0
Channel								
Frequency (MHz)				630000	633334	633334		
10	QPSK	1	1	19.37	19.29	19.37	20.6	0.0



Part27Q n77 PC2 DSI3_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		22.28			
100	PI2 BPSK	1	271		22.41		23.6	0.0
100	PI2 BPSK	135	0		22.35			
100	PI2 BPSK	135	69		22.26		23.6	0.0
100	PI2 BPSK	135	138		22.29		23.6	0.0
100	PI2 BPSK	270	0		22.35		23.6	0.0
100	PI2 BPSK	270	0		22.26			
100	QPSK	1	1		22.42			
100	QPSK	1	137		22.46		23.6	0.0
100	QPSK	1	271		22.33			
100	QPSK	135	0		22.30		23.6	0.0
100	QPSK	135	69		22.36		23.6	0.0
100	QPSK	135	138		22.28		23.6	0.0
100	QPSK	270	0		22.40		23.6	0.0
100	16QAM	1	1		22.27		23.6	0.0
100	64QAM	1	1		22.27		23.6	0.0
100	256QAM	1	1		22.21		23.0	0.6
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
80	QPSK	1	1	22.18	22.24	22.24	23.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63688	63334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	22.20	22.27	22.20	23.6	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	22.24	22.29	22.24	23.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	22.22	22.30	22.21	23.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631808	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	22.24	22.28	22.23	23.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	22.22	22.29	22.22	23.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	22.21	22.31	22.23	23.6	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	22.26	22.23	22.21	23.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	22.21	22.28	22.19	23.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	22.25	22.24	22.22	23.6	0.0



Part270 n78 DS13_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	18.67				
100	PI2 BPSK	1	137	18.67			20.6	0.0
100	PI2 BPSK	1	271	18.69				
100	PI2 BPSK	135	0	18.72			20.6	0.0
100	PI2 BPSK	135	69	18.66			20.6	0.0
100	PI2 BPSK	135	138	18.66			20.6	0.0
100	PI2 BPSK	270	0	18.70			20.6	0.0
100	QPSK	1	1	18.75				
100	QPSK	1	137	18.64			20.6	0.0
100	QPSK	1	271	18.64				
100	QPSK	135	0	18.62			20.6	0.0
100	QPSK	135	69	18.68			20.6	0.0
100	QPSK	135	138	18.66			20.6	0.0
100	QPSK	270	0	18.65			20.6	0.0
100	16QAM	1	1	18.61			20.6	0.0
100	64QAM	1	1	18.64			20.6	0.0
100	256QAM	1	1	18.51			18.5	1.1
Channel								
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	20.6	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.73	18.64	18.65	20.6	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.59	18.62	18.62	20.6	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	20.6	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.71	18.64	18.68	20.6	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.71	18.64	18.62	20.6	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	20.6	0.0
Channel								
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.65	18.67	18.65	20.6	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.68	18.61	18.66	20.6	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.65	18.65	18.62	20.6	0.0

Part270 n78 PC2 DS13_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	21.81				
100	PI2 BPSK	1	137	21.68			23.6	0.0
100	PI2 BPSK	1	271	21.83				
100	PI2 BPSK	135	0	21.67			23.6	0.0
100	PI2 BPSK	135	69	21.69			23.6	0.0
100	PI2 BPSK	135	138	21.64			23.6	0.0
100	PI2 BPSK	270	0	21.73			23.6	0.0
100	QPSK	1	1	21.77				
100	QPSK	1	137	21.69			23.6	0.0
100	QPSK	1	271	21.69				
100	QPSK	135	0	21.68			23.6	0.0
100	QPSK	135	69	21.70			23.6	0.0
100	QPSK	135	138	21.67			23.6	0.0
100	QPSK	270	0	21.64			23.6	0.0
100	16QAM	1	1	21.70			23.6	0.0
100	64QAM	1	1	21.69			23.6	0.0
100	256QAM	1	1	21.68			23.0	0.6
Channel								
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	23.6	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.66	21.66	21.67	23.6	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.66	21.65	21.65	23.6	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	23.6	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.67	21.63	21.62	23.6	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.70	21.63	21.62	23.6	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	23.6	0.0
Channel								
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.72	21.67	21.67	23.6	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.70	21.66	21.61	23.6	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.71	21.63	21.64	23.6	0.0

Part27Q n78 DS13_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	18.69				
100	PI2 BPSK	1	137	18.71			20.6	0.0
100	PI2 BPSK	1	271	18.67				
100	PI2 BPSK	135	0	18.66			20.6	0.0
100	PI2 BPSK	135	69	18.64			20.6	0.0
100	PI2 BPSK	135	138	18.69			20.6	0.0
100	PI2 BPSK	270	0	18.63			20.6	0.0
100	QPSK	1	1	18.75				
100	QPSK	1	137	18.69			20.6	0.0
100	QPSK	1	271	18.62				
100	QPSK	135	0	18.63			20.6	0.0
100	QPSK	135	69	18.70			20.6	0.0
100	QPSK	135	138	18.64			20.6	0.0
100	QPSK	270	0	18.62			20.6	0.0
100	16QAM	1	1	18.61			20.6	0.0
100	64QAM	1	1	18.63			20.6	0.0
100	256QAM	1	1	18.58			18.5	1.1
Channel								
Frequency (MHz)				63300	63354	63398	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	20.6	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.63	18.64	18.64	20.6	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.63	18.65	18.67	20.6	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3490	3500.01	3510.02	20.6	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.65	18.64	18.69	20.6	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.64	18.69	18.65	20.6	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3485	3500.01	3515.02	20.6	0.0
Channel								
Frequency (MHz)				63066	63334	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.67	18.66	18.66	20.6	0.0
Channel								
Frequency (MHz)				63030	63334	63634	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.65	18.64	18.65	20.6	0.0
Channel								
Frequency (MHz)				63000	63334	63666	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.65	18.65	18.67	20.6	0.0



Part27Q n78 PC2 DSI3_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	21.73				
100	PI2 BPSK	1	137	21.73			23.6	0.0
100	PI2 BPSK	1	271	21.71				
100	PI2 BPSK	135	0	21.67			23.6	0.0
100	PI2 BPSK	135	69	21.76			23.6	0.0
100	PI2 BPSK	135	138	21.70			23.6	0.0
100	PI2 BPSK	270	0	21.69				
100	QPSK	1	1	21.84				
100	QPSK	1	137	21.75			23.6	0.0
100	QPSK	1	271	21.74				
100	QPSK	135	0	21.69			23.6	0.0
100	QPSK	135	69	21.80			23.6	0.0
100	QPSK	135	138	21.73			23.6	0.0
100	QPSK	270	0	21.81				
100	16QAM	1	1	21.71			23.8	0.0
100	64QAM	1	1	21.63			23.6	0.0
100	256QAM	1	1	21.60			23.0	0.6
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel				3495	3500.01	3505.02		
80	QPSK	1	1	21.74	21.77	21.80	23.6	0.0
Channel								
Frequency (MHz)				630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel				3499.02	3500.01	3501		
80	QPSK	1	1	21.78	21.81	21.82	23.6	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Channel				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.74	21.78	21.82	23.6	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel				3480	3500.01	3520.02		
60	QPSK	1	1	21.75	21.80	21.79	23.6	0.0
Channel								
Frequency (MHz)				631863	633334	633500	Tune-up limit (dBm)	MPR (dB)
Channel				3475.02	3500.01	3525		
50	QPSK	1	1	21.77	21.80	21.80	23.6	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel				3470.01	3500.01	3520.01		
40	QPSK	1	1	21.78	21.81	21.78	23.6	0.0
Channel								
Frequency (MHz)				631000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Channel				3465	3500.01	3535.02		
30	QPSK	1	1	21.77	21.82	21.80	23.6	0.0
Channel								
Frequency (MHz)				630668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel				3460.02	3500.01	3540		
20	QPSK	1	1	21.77	21.83	21.82	23.6	0.0
Channel								
Frequency (MHz)				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Channel				3455.5	3500.01	3542.50		
15	QPSK	1	1	21.77	21.82	21.82	23.8	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel				3450.01	3500.01	3543.01		
10	QPSK	1	1	21.73	21.80	21.81	23.6	0.0



n2 DSI3_Standalone Ant 3									
BW [MHz]	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)				1860	1880	1900			
20	PI2 BPSK	1	1	21.51	21.62	21.48			
20	PI2 BPSK	1	53	21.45	21.58	21.49	22.8	0.0	
20	PI2 BPSK	1	104	21.49	21.55	21.45			
20	PI2 BPSK	50	0	21.38	21.51	21.41	22.8	0.0	
20	PI2 BPSK	50	28	21.43	21.56	21.56	22.8	0.0	
20	PI2 BPSK	50	56	21.44	21.53	21.42	22.8	0.0	
20	PI2 BPSK	100	0	21.53	21.59	21.48			
20	QPSK	1	1	21.56	21.70	21.67			
20	QPSK	1	53	21.49	21.56	21.51	22.8	0.0	
20	QPSK	1	104	21.45	21.51	21.46			
20	QPSK	50	0	21.52	21.56	21.53	22.8	0.0	
20	QPSK	50	28	21.42	21.52	21.42	22.8	0.0	
20	QPSK	50	56	21.43	21.53	21.36	22.8	0.0	
20	QPSK	100	0	21.41	21.52	21.44			
20	16QAM	1	1	21.82	21.68	21.62	22.8	0.0	
20	64QAM	1	1	21.24	21.46	21.31	22.8	0.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	1.8	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.48	21.63	21.61	22.8	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	21.41	21.58	21.67	22.8	0.0	
Channel									
Frequency (MHz)				370600	376000	381500			
5	QPSK	1	1	21.47	21.67	21.57	22.8	0.0	

n7 DSI3_Standalone Ant 3									
BW [MHz]	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)				2520	2535	2550			
40	PI2 BPSK	1	1	22.45	22.48	22.46			
40	PI2 BPSK	1	108	22.19	22.32	22.16	23.5	0.0	
40	PI2 BPSK	1	214	22.39	22.41	22.32			
40	PI2 BPSK	108	0	22.18	22.33	22.22	23.5	0.0	
40	PI2 BPSK	108	54	22.36	22.44	22.33	23.5	0.0	
40	PI2 BPSK	108	108	22.26	22.36	22.20	23.5	0.0	
40	PI2 BPSK	216	0	22.24	22.28	22.11			
40	QPSK	1	1	22.39	22.52	22.47			
40	QPSK	1	108	22.30	22.36	22.21	23.5	0.0	
40	QPSK	1	214	22.30	22.39	22.26			
40	QPSK	108	0	22.25	22.31	22.26	23.5	0.0	
40	QPSK	108	54	22.37	22.46	22.32	23.5	0.0	
40	QPSK	108	108	22.19	22.35	22.21	23.5	0.0	
40	QPSK	216	0	22.26	22.37	22.27			
40	16QAM	1	1	22.16	22.24	22.17	23.5	0.0	
40	64QAM	1	1	22.36	22.47	22.41	23.0	0.5	
40	256QAM	1	1	20.02	20.09	20.06	21.0	2.5	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.33	22.41	22.40	23.5	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	22.36	22.41	22.35	23.5	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	22.33	22.35	22.31	23.5	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	22.23	22.43	22.31	23.5	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	22.23	22.36	22.65	23.5	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	22.29	22.45	22.43	23.5	0.0	

n25 DSI3_Standalone Ant 3									
BW [MHz]	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)				1870	1822.5	1895			
40	PI2 BPSK	1	1	21.63	21.71	21.61			
40	PI2 BPSK	1	108	21.54	21.50	21.34	22.8	0.0	
40	PI2 BPSK	1	214	21.46	21.47	21.34			
40	PI2 BPSK	108	0	21.33	21.50	21.47	22.8	0.0	
40	PI2 BPSK	108	54	21.42	21.54	21.48	22.8	0.0	
40	PI2 BPSK	108	108	21.46	21.44	21.44	22.8	0.0	
40	PI2 BPSK	216	0	21.45	21.60	21.47			
40	QPSK	1	1	21.71	21.72	21.59			
40	QPSK	1	108	21.29	21.42	21.47	22.8	0.0	
40	QPSK	1	214	21.20	21.42	21.45			
40	QPSK	108	0	21.55	21.58	21.37	22.8	0.0	
40	QPSK	108	54	21.51	21.61	21.39	22.8	0.0	
40	QPSK	108	108	21.35	21.58	21.46	22.8	0.0	
40	QPSK	216	0	21.27	21.59	21.39			
40	16QAM	1	1	21.32	21.54	21.37	22.8	0.0	
40	64QAM	1	1	21.46	21.42	21.51	22.8	0.0	
40	256QAM	1	1	20.22	20.28	20.46	21.0	1.8	
Channel									
Frequency (MHz)				1865	1822.5	1900			
30	QPSK	1	1	21.52	21.35	21.40	22.8	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	21.60	21.50	21.49	22.8	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	21.53	21.45	21.31	22.8	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	21.48	21.45	21.42	22.8	0.0	
Channel									
Frequency (MHz)				1865	1822.5	1905			
10	QPSK	1	1	21.47	21.40	21.46	22.8	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	21.41	21.30	21.45	22.8	0.0	



n30 DSI3_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	22.68			23.9	0.0	
10	PI2 BPSK	1	26	22.63					
10	PI2 BPSK	1	50	22.55					
10	PI2 BPSK	25	0	22.53			23.9	0.0	
10	PI2 BPSK	25	14	22.67					23.9
10	PI2 BPSK	25	27	22.61					23.9
10	PI2 BPSK	50	0	22.57					23.9
10	QPSK	1	1	22.69			23.9	0.0	
10	QPSK	1	26	22.68					
10	QPSK	1	50	22.56					
10	QPSK	25	0	22.61			23.9	0.0	
10	QPSK	25	14	22.64					23.9
10	QPSK	25	27	22.59					23.9
10	QPSK	50	0	22.54					23.9
10	16QAM	1	1	22.56			23.9	0.0	
10	64QAM	1	1	21.66			23.0	0.8	
10	256QAM	1	1	20.31			21.0	2.5	
Channel				481500	492500	482500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	22.47	22.60	22.51	23.9	0.0	

n66 Default Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
40	PI2 BPSK	1	1	23.50	23.53	23.40	24.0	0.0	
40	PI2 BPSK	1	108	23.24	23.31	23.23			
40	PI2 BPSK	1	214	23.18	23.29	23.14			
40	PI2 BPSK	108	0	23.18	23.23	23.10	24.0	0.0	
40	PI2 BPSK	108	54	23.25	23.34	23.22			24.0
40	PI2 BPSK	108	108	23.20	23.27	23.24			24.0
40	PI2 BPSK	216	0	23.18	23.29	23.19			24.0
40	QPSK	1	1	23.49	23.58	23.47	24.0	0.0	
40	QPSK	1	108	23.35	23.49	23.38			
40	QPSK	1	214	23.34	23.44	23.39			
40	QPSK	108	0	23.12	23.24	23.21	24.0	0.0	
40	QPSK	108	54	23.33	23.46	23.39			24.0
40	QPSK	108	108	23.23	23.32	23.21			24.0
40	QPSK	216	0	23.32	23.41	23.30			24.0
40	16QAM	1	1	23.23	23.31	23.19	24.0	0.0	
40	64QAM	1	1	21.96	22.08	21.98	23.0	1.0	
40	256QAM	1	1	20.52	20.62	20.43	21.0	3.0	
Channel				345000	349000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.42	23.47	23.43	24.0	0.0	
Channel				344000	349000	349000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1770			
20	QPSK	1	1	23.40	23.52	23.37	24.0	0.0	
Channel				343500	346000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.45	23.43	23.43	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.45	23.43	23.42	24.0	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.35	23.55	23.37	24.0	0.0	

n70 Default Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
15	PI2 BPSK	1	1	23.53			24.0	0.0	
15	PI2 BPSK	1	40	23.47					
15	PI2 BPSK	1	77	23.49					
15	PI2 BPSK	36	0	23.41			24.0	0.0	
15	PI2 BPSK	36	22	23.48					24.0
15	PI2 BPSK	36	43	23.34					24.0
15	PI2 BPSK	75	0	23.39					24.0
15	QPSK	1	1	23.55			24.0	0.0	
15	QPSK	1	43	23.46					
15	QPSK	1	77	23.42					
15	QPSK	36	0	23.36			24.0	0.0	
15	QPSK	36	22	23.50					24.0
15	QPSK	36	43	23.39					24.0
15	QPSK	75	0	23.43					24.0
15	16QAM	1	1	21.98			23.0	1.0	
15	64QAM	1	1	20.71			21.5	2.5	
15	256QAM	1	1	19.10			19.5	4.5	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	23.40	23.48	23.41	24.0	0.0	
Channel				339500	345000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.48	23.51	23.42	24.0	0.0	



n38 DSI3_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2535.01	2595	2604.99		
30	PI2 BPSK	1	1	21.96	22.07	21.96		
30	PI2 BPSK	1	40	22.01	22.09	22.00	22.7	0.0
30	PI2 BPSK	1	76	21.97	21.98	21.95		
30	PI2 BPSK	36	0	21.90	22.02	21.99	22.7	0.0
30	PI2 BPSK	36	21	21.91	21.96	21.90	22.7	0.0
30	PI2 BPSK	36	42	21.95	21.89	21.81		
30	PI2 BPSK	75	0	21.92	21.97	21.83	22.7	0.0
30	QPSK	1	1	22.12	22.19	22.06		
30	QPSK	1	40	21.87	22.01	21.84	22.7	0.0
30	QPSK	1	76	21.98	22.02	21.98		
30	QPSK	36	0	21.97	22.01	21.90	22.7	0.0
30	QPSK	36	21	21.93	22.10	21.99	22.7	0.0
30	QPSK	36	42	21.91	21.99	21.95	22.7	0.0
30	QPSK	75	0	21.91	21.98	21.83	22.7	0.0
30	16QAM	1	1	22.09	22.18	22.04	22.7	0.0
30	64QAM	1	1	21.80	21.97	21.84	22.5	1.2
30	256QAM	1	1	20.26	20.45	20.32	20.5	2.2
Channel				515004	519000	521000		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.98	22.11	21.95	22.7	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2554	2595	2635		
20	QPSK	1	1	22.02	22.03	22.02	22.7	0.0
Channel				515002	519000	524000		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.97	22.10	22.02	22.7	0.0
Channel				515004	519000	522998		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.03	22.05	21.93	22.7	0.0

n41 DSI3_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	528000		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.64	21.70	21.68		
100	PI2 BPSK	1	137	21.62	21.67	21.62	22.7	0.0
100	PI2 BPSK	1	271	21.63	21.72	21.58		
100	PI2 BPSK	135	0	21.61	21.64	21.48	22.7	0.0
100	PI2 BPSK	135	69	21.60	21.74	21.70	22.7	0.0
100	PI2 BPSK	135	138	21.56	21.67	21.63		
100	PI2 BPSK	270	0	21.58	21.71	21.68	22.7	0.0
100	QPSK	1	1	21.67	21.75	21.62		
100	QPSK	1	137	21.71	21.73	21.68	22.7	0.0
100	QPSK	1	271	21.47	21.61	21.50		
100	QPSK	135	0	21.49	21.65	21.55	22.7	0.0
100	QPSK	135	69	21.91	21.69	21.60	22.7	0.0
100	QPSK	135	138	21.44	21.60	21.55	22.7	0.0
100	QPSK	270	0	21.61	21.65	21.60	22.7	0.0
100	16QAM	1	1	21.45	21.58	21.49	22.7	0.0
100	64QAM	1	1	20.67	20.81	20.65	21.5	1.2
100	256QAM	1	1	18.71	18.76	18.50	19.5	3.2
Channel				510000	518998	529000		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.63	21.64	21.53	22.7	0.0
Channel				507004	518998	529998		
Frequency (MHz)				2638.02	2692.99	2649.99		
80	QPSK	1	1	21.51	21.65	21.49	22.7	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.61	21.63	21.47	22.7	0.0
Channel				505000	518998	531998		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.50	21.62	21.56	22.7	0.0
Channel				502004	518998	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.60	21.70	21.59	22.7	0.0
Channel				503002	518998	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.52	21.71	21.60	22.7	0.0
Channel				502000	518998	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.55	21.70	21.61	22.7	0.0
Channel				501004	518998	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.83	21.68	21.52	22.7	0.0



n41 PC2 DSI3_Standalone Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	MPR (dB)
Channel				506202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	24.58	24.65	24.58	
100	PI2 BPSK	1	137	24.57	24.72	24.84	25.7
100	PI2 BPSK	1	271	24.53	24.69	24.85	
100	PI2 BPSK	135	0	24.76	24.79	24.70	25.7
100	PI2 BPSK	135	69	24.57	24.72	24.56	25.7
100	PI2 BPSK	135	138	24.64	24.67	24.50	
100	PI2 BPSK	270	0	24.58	24.71	24.58	25.7
100	QPSK	1	1	24.67	24.82	24.72	
100	QPSK	1	197	24.57	24.81	24.57	25.7
100	QPSK	1	211	24.84	24.60	24.60	
100	QPSK	135	0	24.50	24.56	24.53	25.7
100	QPSK	135	69	24.71	24.74	24.63	25.7
100	QPSK	135	138	24.60	24.72	24.55	
100	QPSK	270	0	24.57	24.66	24.58	25.7
100	16QAM	1	1	24.45	24.55	24.45	25.7
100	16QAM	1	1	24.35	24.41	24.26	25.0
100	256QAM	1	1	22.31	22.36	22.32	23.0
Channel				506203	518599	528000	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	MPR (dB)
80	QPSK	1	1	24.52	24.70	24.56	25.7
Channel				507294	518598	528000	Tune-up limit
Frequency (MHz)				2528.02	2582.99	2638.98	MPR (dB)
80	QPSK	1	1	24.58	24.71	24.56	25.7
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	MPR (dB)
70	QPSK	1	1	24.54	24.74	24.55	25.7
Channel				505200	518598	531998	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	MPR (dB)
60	QPSK	1	1	24.54	24.67	24.59	25.7
Channel				505203	518599	532000	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	1	24.80	24.69	24.57	25.7
Channel				505202	518598	534000	Tune-up limit
Frequency (MHz)				2518.01	2592.99	2670	MPR (dB)
40	QPSK	1	1	24.60	24.73	24.58	25.7
Channel				502200	518598	534998	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	MPR (dB)
30	QPSK	1	1	24.57	24.67	24.56	25.7
Channel				501203	518599	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	1	24.59	24.69	24.62	25.7

n48 Part96 DSI3_Standalone Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	MPR (dB)
Channel				636000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI2 BPSK	1	1	20.47	20.57	20.49	
40	PI2 BPSK	1	53	20.45	20.32	20.45	21.8
40	PI2 BPSK	1	104	20.36	20.49	20.41	
40	PI2 BPSK	50	0	20.33	20.48	20.44	21.8
40	PI2 BPSK	50	26	20.25	20.41	20.36	21.8
40	PI2 BPSK	50	56	20.42	20.47	20.40	
40	PI2 BPSK	100	0	20.32	20.44	20.40	21.8
40	QPSK	1	1	20.47	20.58	20.42	
40	QPSK	1	53	20.35	20.51	20.41	21.8
40	QPSK	1	104	20.51	20.54	20.44	
40	QPSK	50	0	20.29	20.43	20.37	21.8
40	QPSK	50	26	20.39	20.52	20.49	21.8
40	QPSK	50	56	20.30	20.42	20.29	
40	QPSK	100	0	20.30	20.44	20.37	21.8
40	16QAM	1	1	20.28	20.39	20.33	21.8
40	16QAM	1	1	20.30	20.45	20.41	21.5
40	256QAM	1	1	19.32	19.39	19.27	19.5
Channel				637666	641666	645998	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.98	MPR (dB)
30	QPSK	1	1	20.35	20.50	20.35	21.8
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.03	3624.99	3680	MPR (dB)
20	QPSK	1	1	20.34	20.55	20.39	21.8
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3684.98	MPR (dB)
10	QPSK	1	1	20.35	20.54	20.33	21.8



Part270 n77 DS13_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 650000	Power Middle Ch. F.Freq. 656000	Power High Ch. F.Freq. 663000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.59	19.66	19.63		
100	PI2 BPSK	1	137	19.67	19.70	19.59	20.9	0.0
100	PI2 BPSK	1	271	19.39	19.49	19.43		
100	PI2 BPSK	135	0	19.62	19.69	19.62	20.9	0.0
100	PI2 BPSK	135	69	19.51	19.65	19.61		
100	PI2 BPSK	135	138	19.40	19.54	19.39	20.9	0.0
100	PI2 BPSK	270	0	19.53	19.64	19.59		
100	QPSK	1	1	19.59	19.71	19.56		
100	QPSK	1	137	19.55	19.62	19.55	20.9	0.0
100	QPSK	1	271	19.30	19.41	19.32		
100	QPSK	135	0	19.54	19.62	19.59	20.9	0.0
100	QPSK	135	69	19.56	19.67	19.50	20.9	0.0
100	QPSK	135	138	19.49	19.52	19.49	20.9	0.0
100	QPSK	270	0	19.47	19.52	19.57		
100	16QAM	1	1	19.52	19.58	19.43	20.9	0.0
100	64QAM	1	1	19.47	19.50	19.47	20.9	0.0
100	256QAM	1	1	19.40	19.54	19.46	19.5	1.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.52	19.64	19.51	20.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.48	19.54	19.41	20.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.44	19.51	19.47	20.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.54	19.55	19.44	20.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.44	19.55	19.49	20.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.52	19.62	19.45	20.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.43	19.54	19.50	20.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.47	19.57	19.46	20.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.54	19.58	19.48	20.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.54	19.67	19.47	20.9	0.0

Part270 n77 PC2 DS13_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 650000	Power Middle Ch. F.Freq. 656000	Power High Ch. F.Freq. 663000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.47	22.57	22.54		
100	PI2 BPSK	1	137	22.51	22.55	22.51	23.9	0.0
100	PI2 BPSK	1	271	22.34	22.48	22.35		
100	PI2 BPSK	135	0	22.37	22.52	22.45	23.9	0.0
100	PI2 BPSK	135	69	22.29	22.45	22.41	23.9	0.0
100	PI2 BPSK	135	138	22.39	22.51	22.39	23.9	0.0
100	PI2 BPSK	270	0	22.45	22.54	22.37		
100	QPSK	1	1	22.55	22.62	22.47		
100	QPSK	1	137	22.47	22.53	22.39	23.9	0.0
100	QPSK	1	271	22.56	22.58	22.50		
100	QPSK	135	0	22.38	22.52	22.47	23.9	0.0
100	QPSK	135	69	22.47	22.59	22.44	23.9	0.0
100	QPSK	135	138	22.45	22.50	22.45	23.9	0.0
100	QPSK	270	0	22.42	22.53	22.39		
100	16QAM	1	1	22.44	22.57	22.46	23.9	0.0
100	64QAM	1	1	22.40	22.45	22.41	23.9	0.0
100	256QAM	1	1	22.13	22.20	21.88	23.0	0.8
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.48	22.47	22.41	23.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.43	22.58	22.41	23.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.48	22.57	22.35	23.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.49	22.60	22.31	23.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.41	22.56	22.45	23.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.46	22.58	22.38	23.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.49	22.50	22.41	23.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.50	22.51	22.37	23.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.46	22.48	22.40	23.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.53	22.58	22.37	23.9	0.0

Part27Q n77 DS13_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 633000	Power Middle Ch. F.Freq. 633334	Power High Ch. F.Freq. 633534	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.58		3500.01		
100	PI2 BPSK	1	137	19.91			20.9	0.0
100	PI2 BPSK	1	271	19.93				
100	PI2 BPSK	135	0	19.93			20.9	0.0
100	PI2 BPSK	135	69	19.92			20.9	0.0
100	PI2 BPSK	135	138	19.98			20.9	0.0
100	PI2 BPSK	270	0	19.99				
100	QPSK	1	1	19.96		20.06		
100	QPSK	1	137	19.89			20.9	0.0
100	QPSK	1	271	19.91				
100	QPSK	135	0	19.95			20.9	0.0
100	QPSK	135	69	19.96			20.9	0.0
100	QPSK	135	138	19.95			20.9	0.0
100	QPSK	270	0	19.98				
100	16QAM	1	1	19.97			20.9	0.0
100	64QAM	1	1	19.89			20.9	0.0
100	256QAM	1	1	19.86			19.5	1.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.98		3500.01	3505.02	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.98		3500.01	3505.02	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.98		3500.01	3505.02	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.95		3500.01	3505.02	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.96		3500.01	3505.02	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.92		3500.01	3505.02	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.92		3500.01	3505.02	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.99		3500.01	3505.02	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.99		3500.01	3505.02	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.93		3500.01	3505.02	MPR



Part27Q n77 PC2 DSI3_Standalone Ant 3								
BW (MHz)	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		3500.01			
100	PI2 BPSK	1	137		23.03			
100	PI2 BPSK	1	271		23.01		23.9	0.0
100	PI2 BPSK	135	0		23.09			
100	PI2 BPSK	135	69		23.11		23.9	0.0
100	PI2 BPSK	135	138		23.15		23.9	0.0
100	PI2 BPSK	270	0		23.11		23.9	0.0
100	PI2 BPSK	270	0		23.07			
100	QPSK	1	1		23.17			
100	QPSK	1	137		23.09		23.9	0.0
100	QPSK	1	271		23.08			
100	QPSK	135	0		23.10		23.9	0.0
100	QPSK	135	69		23.14		23.9	0.0
100	QPSK	135	138		23.03		23.9	0.0
100	QPSK	270	0		23.12		23.9	0.0
100	16QAM	1	1		23.08		23.9	0.0
100	64QAM	1	1		23.07		23.9	0.0
100	256QAM	1	1		22.46		23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				23.01	23.04	23.12	23.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				23.11	23.02	23.03	23.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				23.12	23.10	23.14	23.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				23.06	23.00	23.01	23.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				23.08	23.12	23.06	23.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
				23.04	23.03	23.06	23.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3525.02		
				23.15	23.13	23.12	23.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	635999	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				23.08	23.03	23.05	23.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630350	633334	636308	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				23.11	23.00	23.04	23.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3455.01	3500.01	3545.01		
				23.11	23.06	23.05	23.9	0.0



Part270 n78 DS13_Standalone Ant 3									
BW (MHz)	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)									
100	PI2 BPSK	1	1	19.64					
100	PI2 BPSK	1	137	19.57			20.9	0.0	
100	PI2 BPSK	1	271	19.58					
100	PI2 BPSK	135	0	19.63			20.9	0.0	
100	PI2 BPSK	135	69	19.57			20.9	0.0	
100	PI2 BPSK	135	138	19.52			20.9	0.0	
100	PI2 BPSK	270	0	19.53			20.9	0.0	
100	QPSK	1	1	19.68					
100	QPSK	1	137	19.53			20.9	0.0	
100	QPSK	1	271	19.64					
100	QPSK	135	0	19.52			20.9	0.0	
100	QPSK	135	69	19.64			20.9	0.0	
100	QPSK	135	138	19.57			20.9	0.0	
100	QPSK	270	0	19.56			20.9	0.0	
100	16QAM	1	1	19.60			20.9	0.0	
100	64QAM	1	1	19.56			20.9	0.0	
100	256QAM	1	1	19.44			19.5	1.4	
Channel				64098	65000	65334	Tune-up limit	MPR	
Frequency (MHz)									
90	QPSK	1	1	19.61	19.57	19.58	20.9	0.0	
Channel				64834	65000	65068	Tune-up limit	MPR	
Frequency (MHz)									
80	QPSK	1	1	19.61	19.65	19.53	20.9	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)									
70	QPSK	1	1	19.50	19.55	19.64	20.9	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)									
60	QPSK	1	1	19.58	19.60	19.59	20.9	0.0	
Channel				64834	65000	65166	Tune-up limit	MPR	
Frequency (MHz)									
50	QPSK	1	1	19.52	19.58	19.61	20.9	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)									
40	QPSK	1	1	19.59	19.55	19.56	20.9	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)									
30	QPSK	1	1	19.53	19.68	19.53	20.9	0.0	
Channel				64734	65000	65266	Tune-up limit	MPR	
Frequency (MHz)									
20	QPSK	1	1	19.52	19.63	19.53	20.9	0.0	
Channel				64700	65000	65298	Tune-up limit	MPR	
Frequency (MHz)									
15	QPSK	1	1	19.61	19.56	19.66	20.9	0.0	
Channel				64700	65000	65300	Tune-up limit	MPR	
Frequency (MHz)									
10	QPSK	1	1	19.54	19.64	19.55	20.9	0.0	

Part270 n78 PC2 DS13_Standalone Ant 3									
BW (MHz)	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)									
100	PI2 BPSK	1	1	22.42					
100	PI2 BPSK	1	137	22.32			23.9	0.0	
100	PI2 BPSK	1	271	22.50					
100	PI2 BPSK	135	0	22.83			23.9	0.0	
100	PI2 BPSK	135	69	22.49			23.9	0.0	
100	PI2 BPSK	135	138	22.55			23.9	0.0	
100	PI2 BPSK	270	0	22.53			23.9	0.0	
100	QPSK	1	1	22.59					
100	QPSK	1	137	22.47			23.9	0.0	
100	QPSK	1	271	22.45					
100	QPSK	135	0	22.44			23.9	0.0	
100	QPSK	135	69	22.56			23.9	0.0	
100	QPSK	135	138	22.43			23.9	0.0	
100	QPSK	270	0	22.42			23.9	0.0	
100	16QAM	1	1	22.45			23.9	0.0	
100	64QAM	1	1	22.41			23.9	0.0	
100	256QAM	1	1	22.18			23.0	0.8	
Channel				64998	65000	65334	Tune-up limit	MPR	
Frequency (MHz)									
90	QPSK	1	1	22.54	22.45	22.52	23.9	0.0	
Channel				64834	65000	65068	Tune-up limit	MPR	
Frequency (MHz)									
80	QPSK	1	1	22.53	22.45	22.42	23.9	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)									
70	QPSK	1	1	22.56	22.43	22.44	23.9	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)									
60	QPSK	1	1	22.54	22.53	22.49	23.9	0.0	
Channel				64834	65000	65166	Tune-up limit	MPR	
Frequency (MHz)									
50	QPSK	1	1	22.52	22.47	22.49	23.9	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)									
40	QPSK	1	1	22.53	22.44	22.49	23.9	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)									
30	QPSK	1	1	22.50	22.53	22.49	23.9	0.0	
Channel				64734	65000	65266	Tune-up limit	MPR	
Frequency (MHz)									
20	QPSK	1	1	22.52	22.55	22.47	23.9	0.0	
Channel				64700	65000	65298	Tune-up limit	MPR	
Frequency (MHz)									
15	QPSK	1	1	22.47	22.42	22.50	23.9	0.0	
Channel				64700	65000	65300	Tune-up limit	MPR	
Frequency (MHz)									
10	QPSK	1	1	22.43	22.47	22.44	23.9	0.0	

Part27Q n78 DS13_Standalone Ant 3									
BW (MHz)	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)									
100	PI2 BPSK	1	1	19.92					
100	PI2 BPSK	1	137	19.91			20.9	0.0	
100	PI2 BPSK	1	271	19.83					
100	PI2 BPSK	135	0	19.85			20.9	0.0	
100	PI2 BPSK	135	69	19.96			20.9	0.0	
100	PI2 BPSK	135	138	19.94			20.9	0.0	
100	PI2 BPSK	270	0	19.89			20.9	0.0	
100	QPSK	1	1	19.99					
100	QPSK	1	137	19.91			20.9	0.0	
100	QPSK	1	271	19.86					
100	QPSK	135	0	19.83			20.9	0.0	
100	QPSK	135	69	19.90			20.9	0.0	
100	QPSK	135	138	19.86			20.9	0.0	
100	QPSK	270	0	19.93			20.9	0.0	
100	16QAM	1	1	19.87			20.9	0.0	
100	64QAM	1	1	19.82			20.9	0.0	
100	256QAM	1	1	19.96			19.5	1.4	
Channel				63300	63354	63668	Tune-up limit	MPR	
Frequency (MHz)									
90	QPSK	1	1	19.96	19.83	19.83	20.9	0.0	
Channel				63068	63334	63400	Tune-up limit	MPR	
Frequency (MHz)									
80	QPSK	1	1	19.92	19.83	19.85	20.9	0.0	
Channel				63234	63334	63434	Tune-up limit	MPR	
Frequency (MHz)									
70	QPSK	1	1	19.93	19.83	19.97	20.9	0.0	
Channel				63166	63334	63500	Tune-up limit	MPR	
Frequency (MHz)									
60	QPSK	1	1	19.93	19.83	19.89	20.9	0.0	
Channel				63166	63334	63668	Tune-up limit	MPR	
Frequency (MHz)									
50	QPSK	1	1	19.87	19.88	19.93	20.9	0.0	
Channel				63134	63334	63534	Tune-up limit	MPR	
Frequency (MHz)									
40	QPSK	1	1	19.98	19.94	19.87	20.9	0.0	
Channel				63100	63334	63668	Tune-up limit	MPR	
Frequency (MHz)									
30	QPSK	1	1	19.93	19.88	19.83	20.9	0.0	
Channel				63068	63334	63700	Tune-up limit	MPR	
Frequency (MHz)									
20	QPSK	1	1	19.88	19.93	19.85	20.9	0.0	
Channel				63034	63334	63800	Tune-up limit	MPR	
Frequency (MHz)									
15	QPSK	1	1	19.97	19.96	19.94	20.9	0.0	
Channel				63034	63334	63834	Tune-up limit	MPR	
Frequency (MHz)									
10	QPSK	1	1	19.87	19.92	19.86	20.9	0.0	



Part27Q n78 PC2 DSI3_Standalone Ant 3									
BW (MHz)	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		3500.01				
100	PI2 BPSK	1	137		23.06				
100	PI2 BPSK	1	271		22.99			23.9	0.0
100	PI2 BPSK	135	0		23.06				
100	PI2 BPSK	135	69		22.98			23.9	0.0
100	PI2 BPSK	135	138		22.99			23.9	0.0
100	PI2 BPSK	270	0		23.05			23.9	0.0
100	PI2 BPSK	270	0		22.98				
100	QPSK	1	1		23.10				
100	QPSK	1	137		23.06				
100	QPSK	1	271		22.94			23.9	0.0
100	QPSK	135	0		23.05			23.9	0.0
100	QPSK	135	69		23.07			23.9	0.0
100	QPSK	135	138		22.99			23.9	0.0
100	QPSK	270	0		23.01			23.9	0.0
100	16QAM	1	1		23.04			23.9	0.0
100	64QAM	1	1		22.98			23.9	0.0
100	256QAM	1	1		22.62			23.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02			
80	QPSK	1	1	23.00	22.04	22.99		23.9	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3498.02	3503.03	3510			
80	QPSK	1	1	22.96	23.06	22.97		23.9	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	23.05	23.02	22.99		23.9	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02			
60	QPSK	1	1	23.01	23.03	23.08		23.9	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	22.99	23.06	22.96		23.9	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.03	3500.01	3530.03			
40	QPSK	1	1	23.00	23.00	23.06		23.9	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02			
30	QPSK	1	1	22.96	22.98	23.07		23.9	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	22.98	23.03	22.96		23.9	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	630300	633334	636334	Tune-up limit (dBm)	MPR (dB)	
				3455.03	3500.01	3545.03			
15	QPSK	1	1	22.95	22.99	23.06		23.9	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
				3450.01	3500.01	3545.01			
10	QPSK	1	1	23.03	22.98	22.94		23.9	0.0



Reduced Power Mode for DS13-Simultaneous

n2 Default Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				372000	376000	380000			
Frequency (MHz)									
				1850	1850	1850			
20	PI2 BPSK	1	1	22.53	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.86			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.97	22.95	22.97			
20	QPSK	50	0	22.92	22.93	22.94	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.97			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	64QAM	1	1	21.70	21.89	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
				371500	376000	380500			
Frequency (MHz)									
				1847.5	1860	1862.5			
15	QPSK	1	1	22.83	23.11	23.00	24.0	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
				1855	1860	1855			
10	QPSK	1	1	22.84	23.09	22.93	24.0	0.0	
Channel									
				370500	376000	381500			
Frequency (MHz)									
				1842.5	1860	1867.5			
5	QPSK	1	1	22.84	23.04	22.92	24.0	0.0	

n5 Default Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
				834	836.5	839			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.97	23.04	22.94	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.89			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.93	22.96	22.92	24.0	0.0	
20	PI2 BPSK	100	0	22.94	23.00	22.89			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.98	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.18	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	64QAM	1	1	22.57	22.71	22.58	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	1.0	
Channel									
				165300	167300	169300			
Frequency (MHz)									
				831.5	836.5	841.5			
15	QPSK	1	1	23.03	23.16	23.11	24.0	0.0	
Channel									
				165800	167300	168800			
Frequency (MHz)									
				843	836.5	844			
10	QPSK	1	1	23.08	23.19	23.06	24.0	0.0	
Channel									
				165300	167300	169300			
Frequency (MHz)									
				846.5	836.5	846.5			
5	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	

n7 DS13_Simultaneous Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
				2520	2535	2550			
40	PI2 BPSK	1	1	21.41	21.43	21.32			
40	PI2 BPSK	1	108	21.42	21.46	21.34	22.5	0.0	
40	PI2 BPSK	1	214	21.33	21.39	21.36			
40	PI2 BPSK	108	0	21.27	21.43	21.29	22.5	0.0	
40	PI2 BPSK	108	54	21.33	21.41	21.35	22.5	0.0	
40	PI2 BPSK	108	108	21.35	21.44	21.32	22.5	0.0	
40	PI2 BPSK	216	0	21.33	21.41	21.28			
40	QPSK	1	1	21.39	21.35	21.51			
40	QPSK	1	108	21.39	21.41	21.27	22.5	0.0	
40	QPSK	1	214	21.28	21.40	21.29			
40	QPSK	108	0	21.28	21.45	21.33	22.5	0.0	
40	QPSK	108	54	21.40	21.49	21.44	22.5	0.0	
40	QPSK	108	108	21.33	21.42	21.32	22.5	0.0	
40	QPSK	216	0	21.32	21.48	21.45	22.5	0.0	
40	16QAM	1	1	21.35	21.44	21.29	22.5	0.0	
40	64QAM	1	1	20.15	20.24	20.16	21.0	1.0	
40	256QAM	1	1	18.26	18.34	18.30	18.5	3.0	
Channel									
				505500	507000	511000			
Frequency (MHz)									
				2515	2535	2555			
30	QPSK	1	1	21.34	21.40	21.45	22.5	0.0	
Channel									
				505000	507000	511500			
Frequency (MHz)									
				2512.5	2535	2537.5			
25	QPSK	1	1	21.24	21.43	21.41	22.5	0.0	
Channel									
				505000	507000	512000			
Frequency (MHz)									
				2510	2535	2560			
20	PI2 BPSK	1	1	21.33	21.48	21.35	22.5	0.0	
Channel									
				504500	507000	512500			
Frequency (MHz)									
				2507.5	2535	2562.5			
15	QPSK	1	1	21.27	21.50	21.48	22.5	0.0	
Channel									
				504000	507000	513000			
Frequency (MHz)									
				2505	2535	2565			
10	QPSK	1	1	21.35	21.52	21.36	22.5	0.0	
Channel									
				503500	507000	513500			
Frequency (MHz)									
				2502.5	2535	2567.5			
5	QPSK	1	1	21.30	21.53	21.39	22.5	0.0	



n12 Default Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				141300	141500	141700	
Frequency (MHz)				704.5	707.5	710.5	
15	PI2 BPSK	1	1	23.05	23.11	22.97	
15	PI2 BPSK	1	40	22.84	22.92	22.80	24.0
15	PI2 BPSK	1	77	22.75	22.88	22.74	
15	PI2 BPSK	36	0	22.96	23.01	22.86	24.0
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0
15	PI2 BPSK	36	43	22.90	22.98	22.88	24.0
15	PI2 BPSK	75	0	22.90	23.02	22.96	
15	QPSK	1	1	23.13	23.19	23.12	
15	QPSK	1	40	23.07	23.12	23.08	24.0
15	QPSK	1	77	22.87	22.95	22.90	
15	QPSK	36	0	22.92	23.01	22.89	24.0
15	QPSK	36	22	22.97	23.06	22.97	24.0
15	QPSK	36	43	22.94	22.99	22.89	24.0
15	QPSK	75	0	22.85	23.01	22.90	
15	16QAM	1	1	23.07	23.11	23.07	24.0
15	64QAM	1	1	22.01	22.11	22.03	23.0
15	256QAM	1	1	23.14	23.23	23.17	21.0
Channel				140300	141000	142000	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	23.03	23.14	23.06	24.0
Channel				140300	141000	142000	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	1	22.99	23.08	23.04	24.0

n13 Default Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				156400	156600		
Frequency (MHz)				752			
10	PI2 BPSK	1	1	23.15			
10	PI2 BPSK	1	26	23.13			24.0
10	PI2 BPSK	1	50	23.06			
10	PI2 BPSK	25	0	22.27			23.5
10	PI2 BPSK	25	14	23.15			24.0
10	PI2 BPSK	25	27	23.01			23.5
10	PI2 BPSK	50	0	23.11			
10	QPSK	1	1	23.29			
10	QPSK	1	26	23.19			24.0
10	QPSK	1	50	23.13			
10	QPSK	25	0	22.46			23.0
10	QPSK	25	14	23.19			24.0
10	QPSK	25	27	22.97			23.0
10	QPSK	50	0	22.58			23.0
10	16QAM	1	1	21.67			23.0
10	64QAM	1	1	20.78			21.5
10	256QAM	1	1	19.36			18.5
Channel				155900	156400	156900	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	1	23.20	23.26	23.22	24.0

n14 Default Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				158600			
Frequency (MHz)				792			
10	PI2 BPSK	1	1				23.37
10	PI2 BPSK	1	26				23.28
10	PI2 BPSK	1	50				23.33
10	PI2 BPSK	25	0				23.28
10	PI2 BPSK	25	14				23.35
10	PI2 BPSK	25	27				23.28
10	PI2 BPSK	50	0				23.31
10	QPSK	1	1				23.43
10	QPSK	1	26				23.21
10	QPSK	1	50				23.36
10	QPSK	25	0				23.31
10	QPSK	25	14				23.39
10	QPSK	25	27				23.28
10	QPSK	50	0				23.33
10	16QAM	1	1				23.22
10	64QAM	1	1				22.17
10	256QAM	1	1				20.40
Channel				158100	159000	159100	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	1	23.32	23.40	23.30	24.0



n25 Default Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				374000	376500	379000				
Frequency (MHz)										
40	PI2 BPSK	1	1	23.02	23.13	23.12				
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0		
40	PI2 BPSK	1	214	22.98	22.98	23.02				
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0		
40	PI2 BPSK	108	54	23.04	23.11	23.14	24.0	0.0		
40	PI2 BPSK	108	108	22.96	23.07	22.93	24.0	0.0		
40	PI2 BPSK	216	0	22.98	22.96	23.05				
40	QPSK	1	1	23.08	23.25	23.21				
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0		
40	QPSK	1	214	23.02	23.06	23.00				
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0		
40	QPSK	108	54	23.02	23.16	22.97	24.0	0.0		
40	QPSK	108	108	22.98	23.08	22.93	24.0	0.0		
40	QPSK	216	0	23.04	23.12	23.04	24.0	0.0		
40	16QAM	1	1	23.09	23.21	23.16	24.0	0.0		
40	64QAM	1	1	22.08	22.13	22.08	23.0	1.0		
40	256QAM	1	1	20.89	20.74	20.83	21.0	3.0		
Channel										
				375000	376500	380000				
Frequency (MHz)										
30	QPSK	1	1	22.99	23.11	23.06	24.0	0.0		
Channel										
				376500	376500	380500				
Frequency (MHz)										
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0		
Channel										
				372000	376500	381000				
Frequency (MHz)										
20	QPSK	1	1	22.99	23.19	23.08	24.0	0.0		
Channel										
				371500	376500	381500				
Frequency (MHz)										
15	QPSK	1	1	192.7	182.5	197.3	24.0	0.0		
Channel										
				371000	376500	382000				
Frequency (MHz)										
10	QPSK	1	1	22.98	23.21	23.17	24.0	0.0		
Channel										
				370500	376500	382500				
Frequency (MHz)										
5	QPSK	1	1	185.2	182.5	191.25	24.0	0.0		
Channel										
				185.2	182.5	191.25				
Frequency (MHz)										
5	QPSK	1	1	22.96	23.17	23.14	24.0	0.0		

n26 Default Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				164800	166300	167800				
Frequency (MHz)										
20	PI2 BPSK	1	1	23.38	23.48	23.33				
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0		
20	PI2 BPSK	1	104	23.02	23.11	23.05				
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0		
20	PI2 BPSK	50	26	23.23	23.31	23.18	24.0	0.0		
20	PI2 BPSK	50	56	23.02	23.15	23.08	24.0	0.0		
20	PI2 BPSK	100	0	23.17	23.28	23.22				
20	QPSK	1	1	23.43	23.49	23.38				
20	QPSK	1	53	23.26	23.40	23.32	24.0	0.0		
20	QPSK	1	104	23.27	23.34	23.22				
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0		
20	QPSK	50	26	23.39	23.43	23.32	24.0	0.0		
20	QPSK	50	56	23.20	23.31	23.26	24.0	0.0		
20	QPSK	100	0	23.31	23.38	23.26	24.0	0.0		
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0		
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0		
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0		
Channel										
				165300	166300	166300				
Frequency (MHz)										
15	QPSK	1	1	23.39	23.36	23.33	24.0	0.0		
Channel										
				166000	166300	166800				
Frequency (MHz)										
10	QPSK	1	1	23.31	23.39	23.25	24.0	0.0		
Channel										
				165300	166300	166300				
Frequency (MHz)										
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0		

n30 Default Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				462000						
Frequency (MHz)										
10	PI2 BPSK	1	1		22.10					
10	PI2 BPSK	1	26		22.89		23.9	0.0		
10	PI2 BPSK	1	50		22.82					
10	PI2 BPSK	25	0		22.91		23.9	0.0		
10	PI2 BPSK	25	14		22.92		23.9	0.0		
10	PI2 BPSK	25	27		22.87		23.9	0.0		
10	PI2 BPSK	50	0		22.81					
10	QPSK	1	1		23.03					
10	QPSK	1	26		22.91		23.9	0.0		
10	QPSK	1	50		22.90					
10	QPSK	25	0		22.80		23.9	0.0		
10	QPSK	25	14		22.83		23.9	0.0		
10	QPSK	25	27		22.89		23.9	0.0		
10	QPSK	50	0		22.90		23.9	0.0		
10	16QAM	1	1		22.66		23.9	0.0		
10	64QAM	1	1		22.17		23.0	0.9		
10	256QAM	1	1		20.17		21.0	2.9		
Channel										
				461500	462000	462500				
Frequency (MHz)										
5	QPSK	1	1	22.83	22.90	22.81	23.9	0.0		



n66 Default Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Mid-Hi Ch. / Freq	High Ch. / Freq		
Channel				346000	349000	352000		
Frequency (MHz)				1712	1745	1776		
40	PI2 BPSK	1	1	23.18	23.29	23.32		
40	PI2 BPSK	1	108	23.07	23.35	23.14	24.0	0.0
40	PI2 BPSK	1	214	23.23	23.14	23.27		
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0
40	PI2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0
40	PI2 BPSK	216	0	23.04	23.22	23.21		
40	QPSK	1	1	23.26	23.45	23.40		
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0
40	QPSK	1	214	23.26	23.26	23.25		
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0
40	QPSK	108	54	23.22	23.35	23.24	24.0	0.0
40	QPSK	108	108	23.16	23.26	23.16	24.0	0.0
40	QPSK	216	0	23.21	23.35	23.22		
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0
40	64QAM	1	1	21.62	21.37	21.54	23.0	1.0
40	256QAM	1	1	20.39	20.24	20.44	21.0	3.0
Channel				345000	349000	353000		
Frequency (MHz)				1726	1745	1765		
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0
Channel				340000	349000	349000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.13	23.41	23.35	24.0	0.0
Channel				343000	349000	345000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0
Channel				343000	349000	350000		
Frequency (MHz)				1712	1745	1775		
10	QPSK	1	1	23.22	23.34	23.29	24.0	0.0
Channel				342500	349000	350000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0

n70 Default Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq	Mid-Hi Ch. / Freq	High Ch. / Freq			
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
15	PI2 BPSK	1	1		20.85				
15	PI2 BPSK	1	40		20.92		22.0	0.0	
15	PI2 BPSK	1	77		20.86				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.86		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.82		22.0	0.0	
15	QPSK	36	43		20.67		21.0	1.0	
15	QPSK	75	0		20.78				
15	16QAM	1	1		18.05		19.0	1.0	
15	64QAM	1	1		18.01		18.5	2.5	
15	256QAM	1	1		16.67		17.5	4.5	
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1		20.85	20.91	20.88	22.0	0.0
Channel				340500	340500	341000			
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1		20.89	20.96	20.89	22.0	0.0



n71 Default Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up Init (dBm)	MPR (dB)
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	23.27	23.32	23.34		
20	PI2 BPSK	1	53	23.19	23.28	23.17	24.0	0.0
20	PI2 BPSK	1	104	23.09	23.22	23.19		
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0
20	PI2 BPSK	50	99	23.21	23.29	23.17	24.0	0.0
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0
20	PI2 BPSK	100	0	23.10	23.22	23.09		
20	QPSK	1	1	23.27	23.36	23.34		
20	QPSK	1	53	23.17	23.21	23.28	24.0	0.0
20	QPSK	1	104	23.18	23.29	23.23		
20	QPSK	50	0	23.11	23.23	23.11	24.0	0.0
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0
20	QPSK	100	0	23.14	23.26	23.14		
20	16QAM	1	1	22.76	22.88	22.84	24.0	0.0
20	64QAM	1	1	22.10	22.19	22.12	23.0	1.0
20	256QAM	1	1	20.53	20.57	20.49	21.0	3.0
Channel				134100	135100	136100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.15	23.35	23.26	24.0	0.0
Channel				130900	130100	130600		
Frequency (MHz)				656	650.5	655		
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0
Channel				133100	136100	139100		
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0



n38 DSI3_Simultaneous Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517052	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	18.41	18.43	18.44		
30	PI2 BPSK	1	1	18.38	18.41	18.44	19.9	0.0
30	PI2 BPSK	1	76	18.42	18.55	18.48		
30	PI2 BPSK	36	0	18.40	18.41	18.43	19.9	0.0
30	PI2 BPSK	36	21	18.41	18.44	18.33	19.9	0.0
30	PI2 BPSK	36	42	18.47	18.45	18.47		
30	PI2 BPSK	75	0	18.43	18.50	18.51	19.9	0.0
30	QPSK	1	1	18.33	18.62	18.40		
30	QPSK	1	40	18.33	18.37	18.22	19.9	0.0
30	QPSK	1	76	18.33	18.42	18.49		
30	QPSK	36	0	18.44	18.51	18.45	19.9	0.0
30	QPSK	36	21	18.43	18.59	18.36	19.9	0.0
30	QPSK	36	42	18.41	18.39	18.37	19.9	0.0
30	QPSK	75	0	18.41	18.55	18.27		
30	16QAM	1	1	18.26	18.40	18.28	19.9	0.0
30	64QAM	1	1	18.36	18.38	18.57	19.9	0.0
30	256QAM	1	1	18.62	18.63	18.43	19.5	0.0
Channel				515004	519000	521006	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.16	18.39	18.30	19.9	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2588	2595	2610		
20	QPSK	1	1	18.22	18.22	18.10	19.9	0.0
Channel				515502	519000	520498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.24	18.43	18.27	19.9	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.23	18.31	18.22	19.9	0.0

n41 DSI3_Simultaneous Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528000		
Frequency (MHz)				2546.01	2552.99	2560		
100	PI2 BPSK	1	1	18.32	18.50	18.23		
100	PI2 BPSK	1	137	18.43	18.43	18.28	19.9	0.0
100	PI2 BPSK	1	271	18.59	18.51	18.39		
100	PI2 BPSK	135	0	18.41	18.36	18.27	19.9	0.0
100	PI2 BPSK	135	69	18.47	18.43	18.31	19.9	0.0
100	PI2 BPSK	135	138	18.41	18.40	18.45		
100	PI2 BPSK	270	0	18.39	18.51	18.43	19.9	0.0
100	QPSK	1	1	18.44	18.71	18.57		
100	QPSK	1	137	18.32	18.47	18.31	19.9	0.0
100	QPSK	1	271	18.32	18.58	18.37		
100	QPSK	135	0	18.28	18.56	18.30	19.9	0.0
100	QPSK	135	69	18.35	18.57	18.32	19.9	0.0
100	QPSK	135	138	18.26	18.56	18.52	19.9	0.0
100	QPSK	270	0	18.30	18.52	18.33		
100	16QAM	1	1	18.31	18.26	18.06	19.9	0.0
100	64QAM	1	1	18.40	18.60	18.27	19.9	0.0
100	256QAM	1	1	17.45	17.53	17.43	18.5	0.0
Channel				515000	518598	529598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	18.28	18.41	18.44	19.9	0.0
Channel				507204	518598	529598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2652.99	2648.99		
80	QPSK	1	1	18.18	18.56	18.39	19.9	0.0
Channel				506002	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2552.99	2665		
70	QPSK	1	1	18.35	18.41	18.27	19.9	0.0
Channel				505000	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2552.99	2659.98		
60	QPSK	1	1	18.26	18.50	18.30	19.9	0.0
Channel				505004	518598	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2552.99	2664.99		
50	QPSK	1	1	18.19	18.61	18.41	19.9	0.0
Channel				503002	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2552.99	2660		
40	QPSK	1	1	18.12	18.59	18.43	19.9	0.0
Channel				502000	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2552.99	2674.98		
30	QPSK	1	1	18.34	18.43	18.50	18.9	0.0
Channel				501204	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2552.99	2679.99		
20	QPSK	1	1	18.33	18.42	18.33	19.9	0.0



n41 PC2 DSI3_Simultaneous Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				506202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	2143	2158	2157	
100	PI2 BPSK	1	137	2152	2150	2141	22.9
100	PI2 BPSK	1	271	2147	2142	2143	
100	PI2 BPSK	135	0	2130	2154	2149	22.9
100	PI2 BPSK	135	69	2147	2148	2140	22.9
100	PI2 BPSK	135	138	2143	2160	2140	22.9
100	PI2 BPSK	270	0	2138	2148	2151	
100	QPSK	1	1	2136	2166	2161	
100	QPSK	1	197	2138	2154	2153	22.9
100	QPSK	1	211	2129	2150	2144	
100	QPSK	135	0	2138	2141	2130	22.9
100	QPSK	135	69	2134	2164	2134	22.9
100	QPSK	135	138	2122	2153	2156	22.9
100	QPSK	270	0	2148	2161	2148	
100	16QAM	1	1	2147	2155	2124	22.9
100	64QAM	1	1	2136	2131	2133	22.9
100	256QAM	1	1	2018	2030	2035	22.0
Channel				502000	518598	528000	Tune-up limit
Frequency (MHz)				2841	2592.99	2644.98	MPR (dB)
80	QPSK	1	1	2118	2130	2129	22.9
Channel				507204	518598	528000	Tune-up limit
Frequency (MHz)				2828.02	2661.98	2683.98	MPR (dB)
80	QPSK	1	1	2106	2138	2135	22.9
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2931.01	2592.99	2693	MPR (dB)
70	QPSK	1	1	2119	2123	2150	22.9
Channel				502000	518598	531998	Tune-up limit
Frequency (MHz)				2826	2592.99	2659.98	MPR (dB)
60	QPSK	1	1	2124	2140	2140	22.9
Channel				505205	518598	532000	Tune-up limit
Frequency (MHz)				2921.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	1	2122	2122	2151	22.9
Channel				505202	518598	534000	Tune-up limit
Frequency (MHz)				2918.01	2592.99	2810	MPR (dB)
40	QPSK	1	1	2124	2130	2145	22.9
Channel				502000	518598	534998	Tune-up limit
Frequency (MHz)				2911	2592.99	2674.98	MPR (dB)
30	QPSK	1	1	2120	2134	2138	22.9
Channel				507004	518598	535998	Tune-up limit
Frequency (MHz)				2906.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	1	2112	2129	2131	22.9

n48 Part96 Default Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				636000	641666	645332	
Frequency (MHz)				3670	3624.99	3679.98	
40	PI2 BPSK	1	1	2037	2101	2056	
40	PI2 BPSK	1	53	2085	2099	2088	22.0
40	PI2 BPSK	1	104	2091	2095	2091	
40	PI2 BPSK	50	0	2030	2040	2034	21.5
40	PI2 BPSK	50	26	2094	2097	2082	22.0
40	PI2 BPSK	50	56	2034	2039	2034	21.5
40	PI2 BPSK	100	0	2038	2043	2030	
40	QPSK	1	1	2099	2109	2094	
40	QPSK	1	53	2080	2103	2097	22.0
40	QPSK	1	104	2092	2096	2093	
40	QPSK	50	0	2002	2013	1998	21.0
40	QPSK	50	26	2094	2105	2089	22.0
40	QPSK	50	56	1988	2004	1982	21.0
40	QPSK	100	0	1994	2007	2003	
40	16QAM	1	1	1990	1998	1981	21.0
40	64QAM	1	1	1857	1876	1884	19.5
40	256QAM	1	1	1652	1659	1647	17.5
Channel				637334	641666	645998	Tune-up limit
Frequency (MHz)				3685.02	3624.99	3684.98	MPR (dB)
30	QPSK	1	1	2087	2103	2083	22.0
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3680.03	3624.99	3680	MPR (dB)
20	QPSK	1	1	2090	2094	2079	22.0
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3655	3624.99	3684.98	MPR (dB)
10	QPSK	1	1	2095	2099	2089	22.0



Part270 n77 Ant 0

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. [Freq.], Power Middle Ch. [Freq.], Power High Ch. [Freq.], Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi/2 BPSK, QPSK, and 16QAM across different frequencies and power levels.

Part270 n77 PC2 Ant 0

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. [Freq.], Power Middle Ch. [Freq.], Power High Ch. [Freq.], Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi/2 BPSK, QPSK, and 16QAM across different frequencies and power levels.

Part270Q n77 Ant 0

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. [Freq.], Power Middle Ch. [Freq.], Power High Ch. [Freq.], Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi/2 BPSK, QPSK, and 16QAM across different frequencies and power levels.



Part27Q n77 PC2 Ant 0

BW (MHz)	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		3500.01			
100	PI2 BPSK	1	137		20.35			
100	PI2 BPSK	1	271		20.39		27.0	0.0
100	PI2 BPSK	1	271		20.38			
100	PI2 BPSK	135	0		20.33		27.0	0.0
100	PI2 BPSK	135	69		20.29		27.0	0.0
100	PI2 BPSK	135	138		20.35		27.0	0.0
100	PI2 BPSK	270	0		20.38			
100	QPSK	1	1		20.46			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.31		27.0	0.0
100	QPSK	135	0		20.29		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.26		27.0	0.0
100	QPSK	270	0		20.40			
100	16QAM	1	1		20.29		27.0	0.0
100	64QAM	1	1		20.06		26.5	0.5
100	256QAM	1	1		24.11		24.5	2.5
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	20.30	20.34	20.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.38	20.40	20.29	27.0	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	20.30	20.39	20.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.36	20.31	20.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631863	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.38	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	20.42	20.36	20.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.32	20.33	20.43	27.0	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	20.36	20.38	20.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.42	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	20.35	20.31	20.34	27.0	0.0



Part270 n78 Ant 0

BW [MHz]	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	3750	3750	3750		
100	PI2 BPSK	1	137		22.85		24.0	0.0
100	PI2 BPSK	1	271		22.80			
100	PI2 BPSK	1	271		22.74			
100	PI2 BPSK	135	0		22.85		24.0	0.0
100	PI2 BPSK	135	69		22.73		24.0	0.0
100	PI2 BPSK	135	138		22.84		24.0	0.0
100	PI2 BPSK	270	0		22.75		24.0	0.0
100	QPSK	1	1		22.89			
100	QPSK	1	137		22.81		24.0	0.0
100	QPSK	1	271		22.72			
100	QPSK	135	0		22.75		23.5	0.5
100	QPSK	135	69		22.83		24.0	0.0
100	QPSK	135	138		22.75		23.5	0.5
100	QPSK	270	0		22.85		23.5	0.5
100	16QAM	1	1		22.25		22.0	2.0
100	64QAM	1	1		20.83		22.0	2.0
100	256QAM	1	1		19.01		22.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64098	65000	65034	Tune-up limit	MPR
				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.71	22.84	22.79	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64034	65000	65068	Tune-up limit	MPR
				3748.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	22.81	22.73	22.89	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64000	65000	65100	Tune-up limit	MPR
				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.53	22.79	22.66	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64068	65000	65134	Tune-up limit	MPR
				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	22.73	22.80	22.80	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64034	65000	65166	Tune-up limit	MPR
				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.75	22.75	22.73	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64000	65000	65200	Tune-up limit	MPR
				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.78	22.85	22.87	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64068	65000	65234	Tune-up limit	MPR
				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	22.52	22.73	22.74	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64034	65000	65266	Tune-up limit	MPR
				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.81	22.83	22.70	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64000	65000	65300	Tune-up limit	MPR
				3705	3750	3795	(dBm)	(dB)
15	QPSK	1	1	22.83	22.73	22.72	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64000	65000	65300	Tune-up limit	MPR
				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	22.74	22.88	22.72	24.0	0.0

Part270 n78 PC2 Ant 0

BW [MHz]	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	3750	3750	3750		
100	PI2 BPSK	1	137		25.83		27.0	0.0
100	PI2 BPSK	1	271		25.82			
100	PI2 BPSK	1	271		25.85			
100	PI2 BPSK	135	0		25.90		27.0	0.0
100	PI2 BPSK	135	69		25.96		27.0	0.0
100	PI2 BPSK	135	138		25.91		27.0	0.0
100	PI2 BPSK	270	0		25.87		27.0	0.0
100	QPSK	1	1		25.97			
100	QPSK	1	137		25.90		27.0	0.0
100	QPSK	1	271		25.94			
100	QPSK	135	0		25.83		27.0	0.0
100	QPSK	135	69		25.93		27.0	0.0
100	QPSK	135	138		25.94		27.0	0.0
100	QPSK	270	0		25.94		27.0	0.0
100	16QAM	1	1		25.58		25.5	1.5
100	64QAM	1	1		24.18		25.5	1.5
100	256QAM	1	1		22.28		23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64098	65000	65034	Tune-up limit	MPR
				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	25.83	25.83	25.83	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64034	65000	65068	Tune-up limit	MPR
				3748.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	25.91	25.83	25.79	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64000	65000	65100	Tune-up limit	MPR
				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	25.81	25.85	25.81	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64068	65000	65134	Tune-up limit	MPR
				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	25.91	25.85	25.83	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64034	65000	65200	Tune-up limit	MPR
				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	25.91	25.94	25.83	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64000	65000	65234	Tune-up limit	MPR
				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	25.78	25.83	25.81	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64068	65000	65266	Tune-up limit	MPR
				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	25.85	25.94	25.87	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64034	65000	65298	Tune-up limit	MPR
				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	25.92	25.92	25.85	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64000	65000	65300	Tune-up limit	MPR
				3705	3750	3795	(dBm)	(dB)
15	QPSK	1	1	25.78	25.91	25.77	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64000	65000	65300	Tune-up limit	MPR
				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	25.80	25.91	25.77	27.0	0.0

Part270 n78 Ant 0

BW [MHz]	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	3500.01				
100	PI2 BPSK	1	137		23.22		24.0	0.0
100	PI2 BPSK	1	271		23.18			
100	PI2 BPSK	1	271		23.29			
100	PI2 BPSK	135	0		23.22		24.0	0.0
100	PI2 BPSK	135	69		23.30		24.0	0.0
100	PI2 BPSK	135	138		23.29		24.0	0.0
100	PI2 BPSK	270	0		23.17		24.0	0.0
100	QPSK	1	1		23.32			
100	QPSK	1	137		23.21		24.0	0.0
100	QPSK	1	271		23.17			
100	QPSK	135	0		23.18		23.5	0.5
100	QPSK	135	69		23.23		24.0	0.0
100	QPSK	135	138		23.17		23.5	0.5
100	QPSK	270	0		23.26		22.0	2.0
100	16QAM	1	1		23.13		22.0	2.0
100	64QAM	1	1		21.58		22.0	4.0
100	256QAM	1	1		19.48		20.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63354	63398	Tune-up limit	MPR
				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.17	23.23	23.18	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63400	Tune-up limit	MPR
				3490.02	3495.01	3495	(dBm)	(dB)
80	QPSK	1	1	23.15	23.24	23.21	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	23.22	23.29	23.14	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit	MPR
				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.09	23.22	23.19	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63166	63334	63500	Tune-up limit	MPR
				3475.01	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.10	23.20	23.19	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit	MPR
				3470.01	3500.01	3520.01	(dBm)	(dB)
40	QPSK	1	1	23.22	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up limit	MPR
				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	23.15	23.19	23.25	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63600	Tune-up limit	MPR
				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.24	23.27	23.16	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63034	63334	63634	Tune-up limit	MPR
				3455.01	3500.01	3545.01	(dBm)	(dB)
15	QPSK	1	1	23.23	23.26	23.20	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63000	63334	63668	Tune-up limit	MPR
				3450.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	23.14	23.19	23.25	24.0	0.0



Part27Q n78 PC2 Ant 0

BW [MHz]	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	26.24	3500.01			
100	PI2 BPSK	1	137	26.33			27.0	0.0
100	PI2 BPSK	1	271	26.28				
100	PI2 BPSK	135	0	26.22			27.0	0.0
100	PI2 BPSK	135	69	26.32			27.0	0.0
100	PI2 BPSK	135	138	26.27			27.0	0.0
100	PI2 BPSK	270	0	26.25				
100	QPSK	1	1	26.38				
100	QPSK	1	197	26.33			27.0	0.0
100	QPSK	1	271	26.22				
100	QPSK	135	0	26.30			27.0	0.0
100	QPSK	135	69	26.35			27.0	0.0
100	QPSK	135	138	26.32			27.0	0.0
100	QPSK	270	0	26.23				
100	16QAM	1	1	26.16			27.0	0.0
100	64QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.16			23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.16	26.26	26.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.24	26.24	26.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.22	26.29	26.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.20	26.26	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.26	26.29	26.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.18	26.23	26.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.24	26.34	26.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.22	26.27	26.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.18	26.35	26.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.25	26.32	26.27	27.0	0.0



n2 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1690			
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.60	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	21.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
Frequency (MHz)				3710.0	3760.0	3810.0			
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
Frequency (MHz)				3705.0	3760.0	3815.0			
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1668.0	1679.0	1676.0			
20	PI2 BPSK	1	1	21.80	21.66	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.56	21.0	2.0	
Channel									
Frequency (MHz)				1623.0	1633.0	1633.0			
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)				1658.0	1670.0	1680.0			
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)				1663.0	1673.0	1683.0			
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 DS13_Simultaneous Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				5040.0	5070.0	5100.0			
40	PI2 BPSK	1	1	19.08	19.21	19.13			
40	PI2 BPSK	1	108	19.07	19.11	19.07	20.4	0.0	
40	PI2 BPSK	1	214	19.00	19.17	19.11			
40	PI2 BPSK	108	0	19.05	19.13	19.05	20.4	0.0	
40	PI2 BPSK	108	54	19.12	19.20	19.11	20.4	0.0	
40	PI2 BPSK	108	108	18.99	19.12	18.98	20.4	0.0	
40	PI2 BPSK	216	0	19.11	19.15	19.12			
40	QPSK	1	1	19.16	19.27	19.24			
40	QPSK	1	108	19.10	19.24	19.07	20.4	0.0	
40	QPSK	1	214	19.02	19.15	19.05			
40	QPSK	108	0	19.10	19.12	19.01	20.4	0.0	
40	QPSK	108	54	19.02	19.15	19.04	20.4	0.0	
40	QPSK	108	108	19.04	19.13	18.98	20.4	0.0	
40	QPSK	216	0	19.00	19.11	19.05			
40	16QAM	1	1	19.12	19.20	19.12	20.4	0.0	
40	64QAM	1	1	19.05	19.14	19.07	20.4	0.0	
40	256QAM	1	1	18.96	19.11	18.99	20.0	0.4	
Channel									
Frequency (MHz)				5020.0	5070.0	5100.0			
30	QPSK	1	1	19.07	19.18	19.07	20.4	0.0	
Channel									
Frequency (MHz)				5025.0	5070.0	5100.0			
25	QPSK	1	1	19.08	19.18	19.12	20.4	0.0	
Channel									
Frequency (MHz)				5020.0	5070.0	5100.0			
20	PI2 BPSK	1	1	19.08	19.12	19.16	20.4	0.0	
Channel									
Frequency (MHz)				5015.0	5070.0	5100.0			
15	QPSK	1	1	19.08	19.13	19.13	20.4	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	19.07	19.14	19.22	20.4	0.0	
Channel									
Frequency (MHz)				5005.0	5070.0	5100.0			
5	QPSK	1	1	19.06	19.22	19.16	20.4	0.0	



n12 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				141900	141600	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI2 BPSK	1	1	21.82	21.86	21.78	
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0
15	PI2 BPSK	1	77	21.49	21.59	21.48	
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0
15	QPSK	1	1	21.87	21.95	21.82	
15	QPSK	1	40	21.76	21.86	21.74	23.0
15	QPSK	1	77	21.70	21.79	21.67	
15	QPSK	36	0	21.64	21.73	21.60	23.0
15	QPSK	36	22	21.83	21.86	21.79	23.0
15	QPSK	36	43	21.62	21.73	21.64	
15	QPSK	75	0	21.72	21.79	21.74	23.0
15	16QAM	1	1	21.53	21.63	21.52	23.0
15	16QAM	1	1	20.83	20.93	20.89	22.0
15	256QAM	1	1	19.32	19.41	19.29	20.0
Channel				140900	141500	142100	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	21.82	21.88	21.69	23.0
Channel				140900	141900	142700	
Frequency (MHz)				707.5	707.5	713.5	
5	QPSK	1	1	21.79	21.81	21.72	23.0

n13 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				155500	156000	156500	
Frequency (MHz)				722			
10	PI2 BPSK	1	1	21.84			
10	PI2 BPSK	1	26	21.79			23.0
10	PI2 BPSK	1	50	21.72			
10	PI2 BPSK	25	0	20.93			22.5
10	PI2 BPSK	25	14	21.88			23.0
10	PI2 BPSK	25	27	21.76			
10	PI2 BPSK	50	0	21.81			22.5
10	QPSK	1	1	21.94			
10	QPSK	1	26	21.87			23.0
10	QPSK	1	50	21.83			
10	QPSK	25	0	20.89			22.0
10	QPSK	25	14	21.89			23.0
10	QPSK	25	27	21.13			22.0
10	QPSK	50	0	21.19			22.0
10	16QAM	1	1	20.71			22.0
10	16QAM	1	1	19.53			20.5
10	256QAM	1	1	18.22			18.5
Channel				155500	156000	156500	
Frequency (MHz)				722	782	784.5	
5	QPSK	1	1	21.80	21.87	21.81	23.0

n14 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				158100	158600	159100	
Frequency (MHz)				793			
10	PI2 BPSK	1	1	21.88			
10	PI2 BPSK	1	26	21.80			23.0
10	PI2 BPSK	1	50	21.86			
10	PI2 BPSK	25	0	21.89			23.0
10	PI2 BPSK	25	14	21.95			23.0
10	PI2 BPSK	25	27	21.86			
10	PI2 BPSK	50	0	21.93			23.0
10	QPSK	1	1	22.04			
10	QPSK	1	26	22.01			23.0
10	QPSK	1	50	21.96			
10	QPSK	25	0	21.94			23.0
10	QPSK	25	14	21.99			23.0
10	QPSK	25	27	21.87			23.0
10	QPSK	50	0	21.94			23.0
10	16QAM	1	1	21.88			23.0
10	16QAM	1	1	20.85			22.0
10	256QAM	1	1	19.09			20.0
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	1	21.93	21.98	21.91	23.0



n25 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1670	1682.5	1695			
40	PI2 BPSK	1	1	21.59	21.43	21.33	23.0	0.0	
40	PI2 BPSK	1	108	21.32	21.37	21.22			
40	PI2 BPSK	1	214	21.34	21.40	21.28			
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0	
40	PI2 BPSK	108	54	21.35	21.45	21.38	23.0	0.0	
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0	
40	PI2 BPSK	216	0	21.28	21.38	21.26			
40	QPSK	1	1	21.49	21.52	21.45			
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0	
40	QPSK	1	214	21.30	21.42	21.34			
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0	
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0	
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0	
40	QPSK	216	0	21.36	21.44	21.33			
40	16QAM	1	1	21.33	21.37	21.28	23.0	0.0	
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0	
40	256QAM	1	1	19.07	19.13	19.06	23.0	3.0	
Channel									
Frequency (MHz)				1685	1692.5	1690			
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	21.35	21.41	21.39	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	21.34	21.40	21.34	23.0	0.0	
Channel									
Frequency (MHz)				371000	376500	382000			
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0	
Channel									
Frequency (MHz)				370500	376500	382500			
5	QPSK	1	1	21.38	21.43	21.38	23.0	0.0	

n26 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				164800	166300	167800			
20	PI2 BPSK	1	1	22.07	22.11	22.02			
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0	
20	PI2 BPSK	1	104	21.85	21.91	21.80			
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.94	22.06	21.94	23.0	0.0	
20	PI2 BPSK	50	56	21.83	21.91	21.81	23.0	0.0	
20	PI2 BPSK	100	0	21.92	22.01	21.95			
20	QPSK	1	1	22.03	22.15	22.04			
20	QPSK	1	53	21.99	22.10	22.07	23.0	0.0	
20	QPSK	1	104	21.91	22.05	21.94			
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0	
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0	
20	QPSK	50	56	21.92	21.99	21.83	23.0	0.0	
20	QPSK	100	0	22.02	22.08	21.94			
20	16QAM	1	1	21.84	21.75	21.69	23.0	0.0	
20	64QAM	1	1	20.86	21.11	21.08	22.0	1.0	
20	256QAM	1	1	19.32	19.41	19.29	23.0	3.0	
Channel									
Frequency (MHz)				164300	166300	166300			
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0	
Channel									
Frequency (MHz)				163800	166300	166300			
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0	
Channel									
Frequency (MHz)				163300	166300	166300			
5	QPSK	1	1	21.95	22.00	21.91	23.0	0.0	

n30 DSI3_Simultaneous Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)						2310			
10	PI2 BPSK	1	1			19.50			
10	PI2 BPSK	1	26			19.71			
10	PI2 BPSK	1	50			19.83			
10	PI2 BPSK	25	0			19.56	20.9	0.0	
10	PI2 BPSK	25	14			19.73	20.9	0.0	
10	PI2 BPSK	25	27			19.88	20.9	0.0	
10	PI2 BPSK	50	0			19.64			
10	QPSK	1	1			19.88			
10	QPSK	1	26			19.79	20.9	0.0	
10	QPSK	1	50			19.87			
10	QPSK	25	0			19.64	20.9	0.0	
10	QPSK	25	14			19.73	20.9	0.0	
10	QPSK	25	27			19.88	20.9	0.0	
10	QPSK	50	0			19.63			
10	16QAM	1	1			19.69	20.9	0.0	
10	64QAM	1	1			19.84	20.9	0.0	
10	256QAM	1	1			16.72	20.0	0.0	
Channel									
Frequency (MHz)				441500	450000	450000			
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	19.81	19.76	19.84	20.9	0.0	



n66 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				346000	346000	350000	
Frequency (MHz)				1725	1745	1760	
40	PI2 BPSK	1	1	21.87	21.73	21.61	
40	PI2 BPSK	1	108	21.49	21.61	21.55	22.8
40	PI2 BPSK	1	214	21.58	21.63	21.60	
40	PI2 BPSK	108	0	21.50	21.59	21.48	22.8
40	PI2 BPSK	108	54	21.68	21.70	21.66	22.8
40	PI2 BPSK	108	108	21.50	21.58	21.52	22.8
40	PI2 BPSK	216	0	21.59	21.64	21.52	
40	QPSK	1	1	21.87	21.79	21.74	
40	QPSK	1	108	21.62	21.72	21.63	22.8
40	QPSK	1	214	21.57	21.67	21.54	
40	QPSK	108	0	21.57	21.62	21.57	22.8
40	QPSK	108	54	21.62	21.74	21.60	22.8
40	QPSK	108	108	21.60	21.68	21.55	22.8
40	QPSK	216	0	21.67	21.71	21.64	
40	16QAM	1	1	21.52	21.63	21.52	22.8
40	64QAM	1	1	20.92	20.97	20.93	22.0
40	256QAM	1	1	19.62	19.77	19.65	20.0
Channel				345000	345000	350000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	21.64	21.70	21.60	22.8
Channel				344000	349000	354000	
Frequency (MHz)				1725	1745	1775	
20	QPSK	1	1	21.58	21.67	21.63	22.8
Channel				343000	346000	345000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	21.60	21.73	21.62	22.8
Channel				342000	349000	355000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.52	21.71	21.68	22.8

n70 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				346000	346000	350000	
Frequency (MHz)				1725	1745	1760	
15	PI2 BPSK	1	1	21.80			
15	PI2 BPSK	1	40	21.87			23.0
15	PI2 BPSK	1	77	21.82			
15	PI2 BPSK	36	0	21.34			22.5
15	PI2 BPSK	36	22	21.86			23.0
15	PI2 BPSK	36	43	21.26			22.5
15	PI2 BPSK	75	0	21.32			
15	QPSK	1	1	21.95			
15	QPSK	1	40	21.93			23.0
15	QPSK	1	77	21.88			
15	QPSK	36	0	21.35			22.0
15	QPSK	36	22	21.88			23.0
15	QPSK	36	43	21.40			22.0
15	QPSK	75	0	21.32			
15	16QAM	1	1	21.34			22.0
15	64QAM	1	1	19.88			20.5
15	256QAM	1	1	17.62			18.5
Channel				340000	345000	341000	
Frequency (MHz)				1700	1702.5	1705	
10	QPSK	1	1	21.84	21.92	21.81	23.0
Channel				339000	340000	341000	
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	1	21.81	21.88	21.83	23.0



n71 Default Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.08	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	58	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.18	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	58	21.91	22.06	21.98		
20	QPSK	100	0	22.03	22.13	21.95	23.0	0.0
20	16QAM	1	1	21.98	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.98	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.43	19.42	20.0	3.0
Channel				134500	136000	137500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	688		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	690.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 DSI3_Simultaneous Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				517052	519000	520998		
Frequency (MHz)				2535.01	2595	2604.99		
30	PI2 BPSK	1	1	19.35	19.44	19.27		
30	PI2 BPSK	1	40	19.28	19.33	19.27	20.2	0.0
30	PI2 BPSK	1	76	19.31	19.41	19.38		
30	PI2 BPSK	36	0	19.29	19.40	19.27	20.2	0.0
30	PI2 BPSK	36	21	19.23	19.32	19.28	20.2	0.0
30	PI2 BPSK	36	42	19.30	19.43	19.36		
30	PI2 BPSK	75	0	19.20	19.37	19.34	20.2	0.0
30	QPSK	1	1	19.46	19.50	19.38		
30	QPSK	1	40	19.26	19.36	19.29	20.2	0.0
30	QPSK	1	76	19.30	19.33	19.25		
30	QPSK	36	0	19.35	19.37	19.33	20.2	0.0
30	QPSK	36	21	19.32	19.44	19.30	20.2	0.0
30	QPSK	36	42	19.23	19.34	19.23	20.2	0.0
30	QPSK	75	0	19.37	19.43	19.26		
30	16QAM	1	1	19.27	19.40	19.30	20.2	0.0
30	64QAM	1	1	19.31	19.36	19.24	20.2	0.0
30	256QAM	1	1	19.06	19.21	19.03	19.5	0.7
Channel				515504	519500	521506	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2555	2607.48		
25	QPSK	1	1	19.39	19.37	19.35	20.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2554	2555	2610		
20	QPSK	1	1	19.32	19.36	19.29	20.2	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.35	19.40	19.27	20.2	0.0
Channel				515004	519500	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2555	2614.98		
10	QPSK	1	1	19.37	19.40	19.30	20.2	0.0

n41 DSI3_Simultaneous Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528000		
Frequency (MHz)				2540.01	2522.99	2540		
100	PI2 BPSK	1	1	18.87	18.96	18.83		
100	PI2 BPSK	1	137	18.78	18.85	18.80	20.2	0.0
100	PI2 BPSK	1	271	18.85	18.93	18.80		
100	PI2 BPSK	135	0	18.81	18.97	18.88	20.2	0.0
100	PI2 BPSK	135	69	18.88	18.84	18.70	20.2	0.0
100	PI2 BPSK	135	138	18.77	18.87	18.80		
100	PI2 BPSK	270	0	18.77	18.92	18.84	20.2	0.0
100	QPSK	1	1	18.90	19.00	18.93		
100	QPSK	1	137	18.84	18.92	18.87	20.2	0.0
100	QPSK	1	271	18.81	18.89	18.87		
100	QPSK	135	0	18.83	18.94	18.81	20.2	0.0
100	QPSK	135	69	18.95	18.98	18.82	20.2	0.0
100	QPSK	135	138	18.78	18.90	18.76	20.2	0.0
100	QPSK	270	0	18.78	18.90	18.84	20.2	0.0
100	16QAM	1	1	18.75	18.92	18.80	20.2	0.0
100	64QAM	1	1	18.67	18.81	18.76	20.2	0.0
100	256QAM	1	1	17.45	17.26	17.41	18.5	1.7
Channel				515500	518598	529596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	18.78	18.93	18.88	20.2	0.0
Channel				507294	518598	529598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2622.99	2649.99		
80	QPSK	1	1	18.77	18.97	18.77	20.2	0.0
Channel				506002	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2605		
70	QPSK	1	1	18.74	18.85	18.89	20.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2562.99	2659.98		
60	QPSK	1	1	18.74	18.94	18.78	20.2	0.0
Channel				505204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.78	18.92	18.80	20.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.79	18.83	18.79	20.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.85	18.85	18.80	20.2	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.88	18.88	18.78	20.2	0.0



n41 PC2 DSI3_Simultaneous Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				506202	516598	526900	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	2159	2208	2156	
100	PI2 BPSK	1	137	2197	2202	2200	23.2
100	PI2 BPSK	1	271	2180	2191	2180	
100	PI2 BPSK	135	0	2183	2195	2187	23.2
100	PI2 BPSK	135	69	2188	2204	2200	23.2
100	PI2 BPSK	135	138	2194	2200	2192	
100	PI2 BPSK	270	0	2185	2200	2188	23.2
100	QPSK	1	1	2201	2210	2193	
100	QPSK	1	197	2198	2203	2190	23.2
100	QPSK	1	211	2183	2199	2191	
100	QPSK	135	0	2189	2198	2190	23.2
100	QPSK	135	69	2196	2206	2196	23.2
100	QPSK	135	138	2187	2194	2184	
100	QPSK	270	0	2191	2196	2198	23.2
100	16QAM	1	1	2192	2203	2190	23.2
100	64QAM	1	1	2183	2177	2184	23.2
100	256QAM	1	1	2033	2104	2090	22.0
Channel				506203	516599	526899	Tune-up limit
Frequency (MHz)				2641	2592.99	2644.98	MPR (dB)
90	QPSK	1	1	2188	2196	2190	23.2
Channel				507204	516598	526998	Tune-up limit
Frequency (MHz)				2638.02	2661.98	2664.98	MPR (dB)
80	QPSK	1	1	2195	2196	2190	23.2
Channel				506202	516598	531000	Tune-up limit
Frequency (MHz)				2631.01	2662.99	2655	MPR (dB)
70	QPSK	1	1	2153	2201	2178	23.2
Channel				505200	516598	531998	Tune-up limit
Frequency (MHz)				2626	2662.99	2659.98	MPR (dB)
60	QPSK	1	1	2198	2196	2184	23.2
Channel				505203	516599	532000	Tune-up limit
Frequency (MHz)				2621.02	2662.99	2664.99	MPR (dB)
50	QPSK	1	1	2187	2199	2179	23.2
Channel				505202	516598	534000	Tune-up limit
Frequency (MHz)				2618.01	2662.99	2670	MPR (dB)
40	QPSK	1	1	2196	2205	2188	23.2
Channel				502200	516598	534998	Tune-up limit
Frequency (MHz)				2611	2662.99	2674.98	MPR (dB)
30	QPSK	1	1	2184	2202	2184	23.2
Channel				501203	516599	535998	Tune-up limit
Frequency (MHz)				2606.02	2662.99	2679.99	MPR (dB)
20	QPSK	1	1	2197	2202	2176	23.2

n48 Part96 Default Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				636000	641666	646332	
Frequency (MHz)				3670	3624.99	3679.98	
40	PI2 BPSK	1	1	2305	2305	2303	
40	PI2 BPSK	1	53	2303	2302	2305	24.0
40	PI2 BPSK	1	104	2349	2352	2345	
40	PI2 BPSK	50	0	2328	2335	2323	23.5
40	PI2 BPSK	50	26	2303	2307	2306	24.0
40	PI2 BPSK	50	86	2314	2318	2314	
40	PI2 BPSK	100	0	2314	2322	2322	23.5
40	QPSK	1	1	2305	2313	2306	
40	QPSK	1	53	2304	2302	2300	24.0
40	QPSK	1	104	2341	2302	2301	
40	QPSK	50	0	2265	2282	2284	23.0
40	QPSK	50	26	2300	2310	2307	24.0
40	QPSK	50	56	2257	2289	2284	23.0
40	QPSK	100	0	2263	2282	2271	23.0
40	16QAM	1	1	2258	2287	2258	23.0
40	64QAM	1	1	2103	2118	2109	21.5
40	256QAM	1	1	1617	1638	1626	19.5
Channel				637663	641666	645999	Tune-up limit
Frequency (MHz)				3665.02	3624.99	3684.98	MPR (dB)
30	QPSK	1	1	2316	2322	2303	24.0
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3660.03	3624.99	3680	MPR (dB)
20	QPSK	1	1	2316	2319	2305	24.0
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3655	3624.99	3684.98	MPR (dB)
10	QPSK	1	1	2316	2325	2305	24.0



Part270 n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	22.52	22.91	22.88	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	22.52	22.91	22.88	24.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

Part270 n77 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.84	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.83	25.70	25.86	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.76	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	25.75	25.84	25.80	27.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.90	25.87	25.72	27.0	0.0

Part270 n77 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	Pl2 BPSK	1	1			22.41		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			22.88	23.5	0.5
100	Pl2 BPSK	135	69			23.08	24.0	0.0
100	Pl2 BPSK	135	138			22.81	23.5	0.5
100	Pl2 BPSK	270	0			22.74		
100	QPSK	1	1			23.45		
100	QPSK	1	137			23.30	24.0	0.0
100	QPSK	1	271			23.35		
100	QPSK	135	0			23.43	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.56	23.0	1.0
100	QPSK	270	0			22.53		
100	16QAM	1	1			22.15	21.5	2.5
100	64QAM	1	1			20.84	19.5	4.5
100	256QAM	1	1			18.96	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
80	QPSK	1	1	23.41	23.32	23.38	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.31	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.02	24.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



Part27Q n77 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.54			
100	PI2 BPSK	1	271		20.32		27.0	0.0
100	PI2 BPSK	135	0		20.51			
100	PI2 BPSK	135	69		20.34		27.0	0.0
100	PI2 BPSK	135	138		20.44		27.0	0.0
100	PI2 BPSK	270	0		20.18		27.0	0.0
100	PI2 BPSK	270	0		20.27			
100	QPSK	1	1		20.00			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.30		27.0	0.0
100	QPSK	135	0		20.58		26.5	0.5
100	QPSK	135	69		20.42		27.0	0.0
100	QPSK	135	138		20.50		26.5	0.5
100	QPSK	270	0		20.15		27.0	0.0
100	16QAM	1	1		20.02		26.5	0.5
100	64QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
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	20.47	20.46	20.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.48	20.58	20.53	27.0	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	20.50	20.51	20.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.47	20.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631803	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.45	20.43	27.0	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	20.54	20.51	20.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.56	20.52	20.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.58	20.57	20.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	633100	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.57	20.58	20.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	20.50	20.45	20.55	27.0	0.0



Part270 n78 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		22.90		24.0	0.0
100	PI2 BPSK	1	271		22.85			
100	PI2 BPSK	1	271		22.81			
100	PI2 BPSK	135	0		22.33		23.5	0.5
100	PI2 BPSK	135	69		22.86		24.0	0.0
100	PI2 BPSK	135	138		22.32		23.5	0.5
100	PI2 BPSK	270	0		22.40			
100	QPSK	1	1		22.91		24.0	0.0
100	QPSK	1	137		22.82			
100	QPSK	1	271		22.72			
100	QPSK	135	0		22.05		23.0	1.0
100	QPSK	135	69		22.82		24.0	0.0
100	QPSK	135	138		21.90		23.0	1.0
100	QPSK	270	0		21.93			
100	16QAM	1	1		21.71		21.5	2.5
100	64QAM	1	1		20.36		19.5	4.5
100	256QAM	1	1		18.03		17.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64098	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.88	22.85	22.86	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.87	22.78	22.86	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65200	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.77	22.77	22.87	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65266	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.80	22.84	22.85	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.90	22.75	22.86	24.0	0.0

Part270 n78 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		25.90		27.0	0.0
100	PI2 BPSK	1	271		25.74			
100	PI2 BPSK	1	271		25.70			
100	PI2 BPSK	135	0		25.79		27.0	0.0
100	PI2 BPSK	135	69		25.87		27.0	0.0
100	PI2 BPSK	135	138		25.75		27.0	0.0
100	PI2 BPSK	270	0		25.78			
100	QPSK	1	1		25.94		27.0	0.0
100	QPSK	1	137		25.86			
100	QPSK	1	271		25.89			
100	QPSK	135	0		25.64		26.5	0.5
100	QPSK	135	69		25.88		27.0	0.0
100	QPSK	135	138		25.40		26.5	0.5
100	QPSK	270	0		25.92			
100	16QAM	1	1		25.40		25.0	0.5
100	64QAM	1	1		23.91		23.0	2.0
100	256QAM	1	1		22.07		22.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64998	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.91	25.90	25.91	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.85	25.80	25.78	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65200	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.80	25.80	25.79	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65266	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.86	25.89	25.78	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3745.02	3750	3765.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.83	25.87	25.87	27.0	0.0

Part270 n78 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3500.01				
100	PI2 BPSK	1	137		23.30		24.0	0.0
100	PI2 BPSK	1	271		23.29			
100	PI2 BPSK	1	271		23.46			
100	PI2 BPSK	135	0		23.09		23.5	0.5
100	PI2 BPSK	135	69		23.33		24.0	0.0
100	PI2 BPSK	135	138		22.99		23.5	0.5
100	PI2 BPSK	270	0		23.12			
100	QPSK	1	1		23.41		24.0	0.0
100	QPSK	1	137		23.19			
100	QPSK	1	271		23.35			
100	QPSK	135	0		22.71		23.0	1.0
100	QPSK	135	69		23.40		24.0	0.0
100	QPSK	135	138		22.81		23.0	1.0
100	QPSK	270	0		22.96			
100	16QAM	1	1		22.37		21.5	2.5
100	64QAM	1	1		21.25		19.5	4.5
100	256QAM	1	1		18.31		17.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63068	63334	63400	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.28	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63000	63334	63668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.32	23.34	23.39	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63166	63334	63500	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.35	23.33	23.32	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.27	23.26	23.39	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63600	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.33	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63034	63334	63634	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.28	23.31	23.26	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63000	63334	63668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.25	23.25	23.25	24.0	0.0



Part27Q n78 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
					26.43			
100	PI2 BPSK	1	137		26.12		27.0	0.0
100	PI2 BPSK	1	271		26.39			
100	PI2 BPSK	135	0		26.23		27.0	0.0
100	PI2 BPSK	135	69		26.00		27.0	0.0
100	PI2 BPSK	135	138		26.12		27.0	0.0
100	PI2 BPSK	270	0		25.96			
100	QPSK	1	1		26.51			
100	QPSK	1	137		26.27		27.0	0.0
100	QPSK	1	271		26.40			
100	QPSK	135	0		26.81		26.5	0.5
100	QPSK	135	69		26.30		27.0	0.0
100	QPSK	135	138		25.89		26.5	0.5
100	QPSK	270	0		25.95			
100	16QAM	1	1		25.76		26.5	0.5
100	64QAM	1	1		24.17		25.0	2.0
100	256QAM	1	1		22.12		23.0	4.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	26.47	26.36	26.41	27.0	0.0
Channel								
Frequency (MHz)								
				630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3510		
80	QPSK	1	1	26.41	26.40	26.45	27.0	0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.47	26.41	26.37	27.0	0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	26.35	26.37	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	26.49	26.48	26.48	27.0	0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3478.01	3500.01	3528.01		
40	QPSK	1	1	26.41	26.43	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	26.34	26.47	26.42	27.0	0.0
Channel								
Frequency (MHz)								
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	26.47	26.44	26.41	27.0	0.0
Channel								
Frequency (MHz)								
				630300	633334	636300	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	26.45	26.49	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	26.36	26.47	26.43	27.0	0.0



n2 DSI3_Simultaneous Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				1660	1680	1690		
20	PI2 BPSK	1	1	20.55	20.52	20.51	21.9	0.0
20	PI2 BPSK	1	53	20.37	20.59	20.26		
20	PI2 BPSK	1	104	20.32	20.47	20.16		
20	PI2 BPSK	50	0	20.31	20.45	20.13	21.9	0.0
20	PI2 BPSK	50	28	20.23	20.49	20.22	21.9	0.0
20	PI2 BPSK	50	56	20.25	20.37	20.25	21.9	0.0
20	PI2 BPSK	100	0	20.37	20.36	20.31	21.9	0.0
20	QPSK	1	1	20.38	20.55	20.46		
20	QPSK	1	53	20.47	20.52	20.46		
20	QPSK	1	104	20.31	20.48	20.20	21.9	0.0
20	QPSK	50	0	20.44	20.44	20.24		
20	QPSK	50	28	20.36	20.45	20.37		
20	QPSK	50	56	20.37	20.36	20.39	21.9	0.0
20	QPSK	100	0	20.36	20.43	20.42	21.9	0.0
20	16QAM	1	1	20.17	20.34	20.13		
20	16QAM	1	1	20.43	20.50	20.57		
20	256QAM	1	1	18.54	18.01	18.48	23.0	1.9
Channel								
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.24	20.42	20.34	21.9	0.0
Channel								
Frequency (MHz)				371000	376000	381000		
10	QPSK	1	1	20.14	20.39	20.19	21.9	0.0
Channel								
Frequency (MHz)				370500	376000	381500		
5	QPSK	1	1	20.07	20.25	20.21	21.9	0.0

n5 Default Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				166800	167300	167800		
20	PI2 BPSK	1	1	22.58	22.62	22.53	24.0	0.0
20	PI2 BPSK	1	53	22.42	22.53	22.49		
20	PI2 BPSK	1	104	22.38	22.46	22.34		
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0
20	PI2 BPSK	100	0	22.44	22.50	22.38	24.0	0.0
20	QPSK	1	1	22.61	22.65	22.59		
20	QPSK	1	53	22.45	22.56	22.42		
20	QPSK	1	104	22.43	22.48	22.34	24.0	0.0
20	QPSK	50	0	22.47	22.57	22.51		
20	QPSK	50	28	22.55	22.62	22.57		
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0
20	16QAM	1	1	22.34	22.41	22.28		
20	16QAM	1	1	22.27	22.38	22.25		
20	256QAM	1	1	21.71	21.81	21.73	23.0	1.0
Channel								
Frequency (MHz)				163300	163300	163300		
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0
Channel								
Frequency (MHz)				165800	167300	168800		
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0
Channel								
Frequency (MHz)				166300	167300	168300		
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0

n7 DSI3_Simultaneous Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				506000	507000	510000		
40	PI2 BPSK	1	1	14.47	14.54	14.44	15.6	0.0
40	PI2 BPSK	1	108	14.36	14.48	14.32		
40	PI2 BPSK	1	214	14.50	14.55	14.41		
40	PI2 BPSK	108	0	14.47	14.52	14.45	15.6	0.0
40	PI2 BPSK	108	54	14.38	14.44	14.32	15.6	0.0
40	PI2 BPSK	108	108	14.41	14.47	14.31	15.6	0.0
40	PI2 BPSK	216	0	14.52	14.58	14.52	15.6	0.0
40	QPSK	1	1	14.51	14.60	14.47		
40	QPSK	1	108	14.37	14.47	14.36		
40	QPSK	1	214	14.48	14.58	14.43	15.6	0.0
40	QPSK	108	0	14.42	14.47	14.44		
40	QPSK	108	54	14.42	14.56	14.54		
40	QPSK	108	108	14.44	14.46	14.42	15.6	0.0
40	QPSK	216	0	14.60	14.53	14.45	15.6	0.0
40	16QAM	1	1	14.44	14.48	14.44		
40	16QAM	1	1	14.28	14.44	14.31		
40	256QAM	1	1	14.30	14.37	14.26	15.6	0.0
Channel								
Frequency (MHz)				505000	507000	510000		
30	QPSK	1	1	14.44	14.44	14.38	15.6	0.0
Channel								
Frequency (MHz)				502500	507000	511500		
25	QPSK	1	1	14.43	14.56	14.41	15.6	0.0
Channel								
Frequency (MHz)				502000	507000	512000		
20	PI2 BPSK	1	1	14.41	14.53	14.43	15.6	0.0
Channel								
Frequency (MHz)				501500	507000	512500		
15	QPSK	1	1	14.47	14.44	14.39	15.6	0.0
Channel								
Frequency (MHz)				501000	507000	513000		
10	QPSK	1	1	14.37	14.47	14.32	15.6	0.0
Channel								
Frequency (MHz)				500500	507000	513500		
5	QPSK	1	1	14.39	14.46	14.43	15.6	0.0



n25 DSI3_Simultaneous Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	20.33	20.62	20.66	
40	PI2 BPSK	1	108	20.39	20.30	20.47	21.9
40	PI2 BPSK	1	214	20.29	20.38	20.30	
40	PI2 BPSK	108	0	20.36	20.49	20.41	21.9
40	PI2 BPSK	108	54	20.31	20.84	20.35	21.9
40	PI2 BPSK	108	108	20.41	20.51	20.41	21.9
40	PI2 BPSK	216	0	20.40	20.38	20.35	
40	QPSK	1	1	20.68	20.70	20.62	
40	QPSK	1	108	20.47	20.48	20.56	21.9
40	QPSK	1	214	20.45	20.55	20.49	
40	QPSK	108	0	20.51	20.56	20.53	21.9
40	QPSK	108	54	20.52	20.60	20.51	21.9
40	QPSK	108	108	20.34	20.49	20.41	21.9
40	QPSK	216	0	20.51	20.55	20.39	
40	16QAM	1	1	20.30	20.25	20.27	21.9
40	64QAM	1	1	20.43	20.47	20.35	21.9
40	256QAM	1	1	18.86	18.67	18.60	17.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.48	20.49	20.49	21.9
Channel							
Frequency (MHz)							
25	QPSK	1	1	20.53	20.57	20.32	21.9
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.50	20.39	20.46	21.9
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.45	20.51	20.40	21.9
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.48	20.53	20.46	21.9
Channel							
Frequency (MHz)							
5	QPSK	1	1	20.49	20.49	20.31	21.9

n30 DSI3_Simultaneous Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	14.33			
10	PI2 BPSK	1	26	14.28			15.5
10	PI2 BPSK	1	50	14.30			
10	PI2 BPSK	25	0	14.24			15.5
10	PI2 BPSK	25	14	14.26			15.5
10	PI2 BPSK	25	27	14.39			15.5
10	PI2 BPSK	50	0	14.32			
10	QPSK	1	1	14.37			15.5
10	QPSK	1	26	14.31			
10	QPSK	1	50	14.31			
10	QPSK	25	0	14.35			15.5
10	QPSK	25	14	14.37			15.5
10	QPSK	25	27	14.29			15.5
10	QPSK	50	0	14.35			
10	16QAM	1	1	14.35			15.5
10	64QAM	1	1	14.37			15.5
10	256QAM	1	1	14.25			15.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	14.30	14.32	14.26	15.5

n66 Default Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	22.01	22.11	22.07	
40	PI2 BPSK	1	108	21.97	22.07	21.94	23.0
40	PI2 BPSK	1	214	21.90	21.96	21.82	
40	PI2 BPSK	108	0	21.77	21.90	21.86	23.0
40	PI2 BPSK	108	54	21.84	21.85	22.01	23.0
40	PI2 BPSK	108	108	21.85	21.89	21.82	23.0
40	PI2 BPSK	216	0	21.84	21.95	21.83	
40	QPSK	1	1	22.06	22.18	22.01	
40	QPSK	1	108	22.05	22.12	22.05	23.0
40	QPSK	1	214	22.02	22.07	22.00	
40	QPSK	108	0	21.81	21.93	21.83	23.0
40	QPSK	108	54	21.95	21.99	21.86	23.0
40	QPSK	108	108	21.87	21.93	21.80	23.0
40	QPSK	216	0	21.92	21.95	21.82	
40	16QAM	1	1	21.88	21.91	21.78	23.0
40	64QAM	1	1	20.61	20.73	20.66	22.0
40	256QAM	1	1	19.34	19.43	19.34	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	21.96	22.14	21.87	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	21.99	22.10	21.90	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.00	22.06	21.89	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.90	22.07	21.88	23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.01	22.04	21.91	23.0



n70 Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel					1702.5			
Frequency (MHz)					1702.5			
15	PI2 BPSK	1	1	22.08			23.0	0.0
15	PI2 BPSK	1	49	21.95				
15	PI2 BPSK	1	77	21.40				
15	PI2 BPSK	36	0	22.03			22.5	0.5
15	PI2 BPSK	36	22	22.06			23.0	0.0
15	PI2 BPSK	36	43	21.38				
15	PI2 BPSK	75	0	21.45			22.5	0.5
15	QPSK	1	1	22.11				
15	QPSK	1	49	22.05			23.0	0.0
15	QPSK	1	77	22.07				
15	QPSK	36	0	21.06			22.0	1.0
15	QPSK	36	22	22.07			23.0	0.0
15	QPSK	36	43	20.56			22.0	1.0
15	QPSK	72	0	21.14				
15	16QAM	1	1	21.18			22.0	1.0
15	64QAM	1	1	19.76			20.5	2.5
15	256QAM	1	1	17.67			18.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.98	22.04	21.97	23.0	0.0
Channel				338500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 DSI3_Simultaneous Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
				517002	519000	520998	
				2585.01	2595	2604.99	
30	PI2 BPSK	1	1	13.41	13.50	13.55	
30	PI2 BPSK	1	1	13.41	13.50	13.55	14.7
30	PI2 BPSK	1	76	13.46	13.50	13.42	
30	PI2 BPSK	36	0	13.38	13.55	13.41	14.7
30	PI2 BPSK	36	21	13.42	13.54	13.50	14.7
30	PI2 BPSK	36	42	13.52	13.59	13.55	
30	PI2 BPSK	75	0	13.56	13.61	13.52	14.7
30	QPSK	1	1	13.50	13.60	13.61	
30	QPSK	1	40	13.47	13.62	13.54	14.7
30	QPSK	1	76	13.53	13.56	13.50	
30	QPSK	36	0	13.44	13.53	13.38	14.7
30	QPSK	36	21	13.54	13.59	13.42	14.7
30	QPSK	36	42	13.47	13.58	13.51	14.7
30	QPSK	75	0	13.47	13.50	13.43	
30	16QAM	1	1	13.54	13.61	13.48	14.7
30	64QAM	1	1	13.43	13.55	13.41	14.7
30	256QAM	1	1	13.40	13.45	13.40	14.7
				515004	519000	521496	
				2582.52	2595	2607.48	
25	QPSK	1	1	13.42	13.64	13.58	14.7
				516000	519000	522000	
				2577.51	2595	2612.49	
20	QPSK	1	1	13.43	13.60	13.55	14.7
				515002	519000	522498	
				2577.51	2595	2612.49	
15	QPSK	1	1	13.42	13.57	13.43	14.7
				515004	519000	522996	
				2575.02	2595	2614.98	
10	QPSK	1	1	13.45	13.52	13.47	14.7

n41 DSI3_Simultaneous Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
				506002	518998	528990	
				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	13.46	13.54	13.42	
100	PI2 BPSK	1	137	13.50	13.61	13.57	14.7
100	PI2 BPSK	1	271	13.50	13.67	13.53	
100	PI2 BPSK	135	0	13.54	13.59	13.50	14.7
100	PI2 BPSK	135	69	13.54	13.57	13.52	14.7
100	PI2 BPSK	135	138	13.47	13.54	13.48	
100	PI2 BPSK	270	0	13.56	13.63	13.61	14.7
100	QPSK	1	1	13.57	13.60	13.60	
100	QPSK	1	137	13.56	13.64	13.53	14.7
100	QPSK	1	271	13.45	13.52	13.40	
100	QPSK	135	0	13.53	13.59	13.47	14.7
100	QPSK	135	69	13.57	13.63	13.53	14.7
100	QPSK	135	138	13.44	13.57	13.44	14.7
100	QPSK	270	0	13.53	13.59	13.50	
100	16QAM	1	1	13.54	13.59	13.43	14.7
100	64QAM	1	1	13.48	13.53	13.36	14.7
100	256QAM	1	1	13.34	13.45	13.34	14.7
				505000	518998	529996	
				2541	2592.99	2644.98	
90	QPSK	1	1	13.47	13.57	13.49	14.7
				507004	518998	529998	
				2538.02	2592.99	2648.99	
80	QPSK	1	1	13.43	13.54	13.48	14.7
				506002	518998	531000	
				2531.01	2592.99	2655	
70	QPSK	1	1	13.52	13.62	13.44	14.7
				505000	518998	531996	
				2526	2592.99	2659.98	
60	QPSK	1	1	13.51	13.59	13.47	14.7
				505004	518998	532992	
				2521.02	2592.99	2664.99	
50	QPSK	1	1	13.53	13.61	13.47	14.7
				503002	518998	534000	
				2516.01	2592.99	2670	
40	QPSK	1	1	13.51	13.53	13.44	14.7
				502000	518998	534996	
				2511	2592.99	2674.98	
30	QPSK	1	1	13.41	13.60	13.45	14.7
				501004	518998	535998	
				2506.02	2592.99	2679.99	
20	QPSK	1	1	13.45	13.53	13.53	14.7



n41 PC2 DSI3_Simultaneous Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526994			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	16.37	16.51	16.37			
100	PI2 BPSK	1	137	16.34	16.48	16.42	17.7	0.0	
100	PI2 BPSK	1	271	16.33	16.42	16.38			
100	PI2 BPSK	135	0	16.41	16.51	16.37	17.7	0.0	
100	PI2 BPSK	135	69	16.39	16.44	16.37	17.7	0.0	
100	PI2 BPSK	135	138	16.42	16.47	16.36	17.7	0.0	
100	PI2 BPSK	270	0	16.47	16.53	16.41			
100	QPSK	1	1	16.46	16.55	16.38			
100	QPSK	1	137	16.32	16.45	16.38	17.7	0.0	
100	QPSK	1	271	16.30	16.42	16.38			
100	QPSK	135	0	16.46	16.50	16.41	17.7	0.0	
100	QPSK	135	69	16.40	16.52	16.42	17.7	0.0	
100	QPSK	135	138	16.46	16.49	16.42	17.7	0.0	
100	QPSK	270	0	16.35	16.42	16.32			
100	16QAM	1	1	16.43	16.52	16.40	17.7	0.0	
100	16QAM	1	1	16.23	16.40	16.27	17.7	0.0	
100	256QAM	1	1	16.29	16.36	16.32	17.7	0.0	
Channel				506203	516599	526995	Tune-up limit	MPR	
Frequency (MHz)				2641	2592.99	2644.98	(dBm)	(dB)	
80	QPSK	1	1	16.41	16.51	16.23	17.7	0.0	
Channel				507204	516598	526998	Tune-up limit	MPR	
Frequency (MHz)				2628.02	2592.99	2640.98	(dBm)	(dB)	
80	QPSK	1	1	16.36	16.39	16.34	17.7	0.0	
Channel				506202	516598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	16.29	16.52	16.29	17.7	0.0	
Channel				505200	516598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	16.41	16.39	16.21	17.7	0.0	
Channel				2521.02	2592.99	2654.99	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2654.99	(dBm)	(dB)	
50	QPSK	1	1	16.29	16.38	16.28	17.7	0.0	
Channel				505202	516598	534000	Tune-up limit	MPR	
Frequency (MHz)				2518.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	16.36	16.45	16.26	17.7	0.0	
Channel				502200	516598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	16.40	16.49	16.23	17.7	0.0	
Channel				507204	516598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	16.42	16.52	16.26	17.7	0.0	

n48 Part96 DSI3_Simultaneous Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	15.35	15.44	15.28			
40	PI2 BPSK	1	53	15.51	15.53	15.42	16.6	0.0	
40	PI2 BPSK	1	104	15.36	15.49	15.37			
40	PI2 BPSK	50	0	15.41	15.49	15.33	16.6	0.0	
40	PI2 BPSK	50	26	15.33	15.40	15.26	16.6	0.0	
40	PI2 BPSK	50	66	15.34	15.47	15.40	16.6	0.0	
40	PI2 BPSK	100	0	15.40	15.46	15.36			
40	QPSK	1	1	15.49	15.54	15.41			
40	QPSK	1	53	15.35	15.41	15.37	16.6	0.0	
40	QPSK	1	104	15.34	15.43	15.34			
40	QPSK	50	0	15.35	15.45	15.35	16.6	0.0	
40	QPSK	50	26	15.45	15.52	15.47	16.6	0.0	
40	QPSK	50	56	15.35	15.44	15.32	16.6	0.0	
40	QPSK	100	0	15.45	15.51	15.38			
40	16QAM	1	1	15.38	15.53	15.41	16.6	0.0	
40	16QAM	1	1	15.32	15.41	15.26	16.6	0.0	
40	256QAM	1	1	15.23	15.38	15.29	16.6	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)	(dB)	
30	QPSK	1	1	15.47	15.42	15.33	16.6	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3560.03	3624.99	3680	(dBm)	(dB)	
20	QPSK	1	1	15.45	15.43	15.28	16.6	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3624.99	3684.98	(dBm)	(dB)	
10	QPSK	1	1	15.35	15.49	15.39	16.6	0.0	



Part270 n77 DSI3_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.51	15.55	15.41		
100	PI2 BPSK	1	137	15.52	15.58	15.45	16.6	0.0
100	PI2 BPSK	1	271	15.37	15.51	15.37		
100	PI2 BPSK	135	0	15.48	15.58	15.41	16.6	0.0
100	PI2 BPSK	135	69	15.39	15.51	15.48	16.6	0.0
100	PI2 BPSK	135	138	15.41	15.54	15.44	16.6	0.0
100	PI2 BPSK	270	0	15.48	15.51	15.43	16.6	0.0
100	QPSK	1	1	15.52	15.61	15.57		
100	QPSK	1	137	15.46	15.54	15.44	16.6	0.0
100	QPSK	1	271	15.38	15.47	15.30		
100	QPSK	135	0	15.46	15.57	15.44	16.6	0.0
100	QPSK	135	69	15.48	15.58	15.48	16.6	0.0
100	QPSK	135	138	15.38	15.55	15.43	16.6	0.0
100	QPSK	270	0	15.40	15.51	15.40	16.6	0.0
100	16QAM	1	1	15.31	15.50	15.42	16.6	0.0
100	64QAM	1	1	15.50	15.56	15.42	16.6	0.0
100	256QAM	1	1	15.27	15.46	15.32	16.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3930.01		
90	QPSK	1	1	15.38	15.53	15.40	16.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3930.01		
80	QPSK	1	1	15.42	15.57	15.41	16.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3930.01		
70	QPSK	1	1	15.41	15.54	15.40	16.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3930.01		
60	QPSK	1	1	15.39	15.55	15.36	16.6	0.0
Channel								
Frequency (MHz)				3725.01	3840	3935.02		
50	QPSK	1	1	15.40	15.52	15.41	16.6	0.0
Channel								
Frequency (MHz)				3725.01	3840	3935.02		
40	QPSK	1	1	15.41	15.54	15.38	16.6	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
30	QPSK	1	1	15.42	15.55	15.39	16.6	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.39	15.52	15.42	16.6	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
15	QPSK	1	1	15.41	15.55	15.39	16.6	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.41	15.53	15.42	16.6	0.0

Part270 n77 PC2 DSI3_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.38	18.53	18.41		
100	PI2 BPSK	1	137	18.43	18.53	18.41	19.6	0.0
100	PI2 BPSK	1	271	18.47	18.64	18.46		
100	PI2 BPSK	135	0	18.52	18.61	18.48	19.6	0.0
100	PI2 BPSK	135	69	18.56	18.61	18.52	19.6	0.0
100	PI2 BPSK	135	138	18.45	18.49	18.45	19.6	0.0
100	PI2 BPSK	270	0	18.41	18.54	18.50	19.6	0.0
100	QPSK	1	1	18.58	18.77	18.51		
100	QPSK	1	137	18.34	18.45	18.33	19.6	0.0
100	QPSK	1	271	18.35	18.51	18.37		
100	QPSK	135	0	18.38	18.54	18.45	19.6	0.0
100	QPSK	135	69	18.46	18.65	18.51	19.6	0.0
100	QPSK	135	138	18.44	18.47	18.41	19.6	0.0
100	QPSK	270	0	18.45	18.56	18.51	19.6	0.0
100	16QAM	1	1	18.43	18.56	18.45	19.6	0.0
100	64QAM	1	1	18.47	18.56	18.55	19.6	0.0
100	256QAM	1	1	18.30	18.47	18.38	19.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.40	18.56	18.27	19.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	18.41	18.54	18.28	19.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	18.42	18.55	18.33	19.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	18.42	18.53	18.27	19.6	0.0
Channel								
Frequency (MHz)				3725.01	3840	3935.02		
50	QPSK	1	1	18.38	18.52	18.33	19.6	0.0
Channel								
Frequency (MHz)				3725.01	3840	3935.02		
40	QPSK	1	1	18.40	18.51	18.29	19.6	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
30	QPSK	1	1	18.41	18.57	18.32	19.6	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.39	18.52	18.30	19.6	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
15	QPSK	1	1	18.40	18.54	18.33	19.6	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.37	18.55	18.30	19.6	0.0

Part27Q n77 DSI3_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			15.68		
100	PI2 BPSK	1	137			15.76	16.6	0.0
100	PI2 BPSK	1	271			15.77		
100	PI2 BPSK	135	0			15.86	16.6	0.0
100	PI2 BPSK	135	69			15.81	16.6	0.0
100	PI2 BPSK	135	138			15.82	16.6	0.0
100	PI2 BPSK	270	0			15.88	16.6	0.0
100	QPSK	1	1			15.93		
100	QPSK	1	137			15.76	16.6	0.0
100	QPSK	1	271			15.69		
100	QPSK	135	0			15.78	16.6	0.0
100	QPSK	135	69			15.85	16.6	0.0
100	QPSK	135	138			15.76	16.6	0.0
100	QPSK	270	0			15.75	16.6	0.0
100	16QAM	1	1			15.88	16.6	0.0
100	64QAM	1	1			15.83	16.6	0.0
100	256QAM	1	1			15.74	16.6	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.70	15.72	15.62	16.6	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3500.01	3505.02	(dBm)	(dB)
80	QPSK	1	1	15.74	15.69	15.64	16.6	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.71	15.70	15.64	16.6	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.73	15.69	15.64	16.6	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525.02	(dBm)	(dB)
50	QPSK	1	1	15.70	15.68	15.65	16.6	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	15.70	15.69	15.62	16.6	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	15.72	15.71	15.63	16.6	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.73	15.68	15.65	16.6	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
15	QPSK	1	1	15.75	15.68	15.63	16.6	0.0
Channel								
Frequency (MHz)				630000	633334	636668	Tune-up limit	MPR
Frequency (MHz)				3450.01	3500.01	3550.01	(dBm)	(dB)
10	QPSK	1	1	15.73	15.73	15.67	16.6	0.0



Part27Q n77 PC2 DSI3_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		18.81			
100	PI2 BPSK	1	271		18.87		19.6	0.0
100	PI2 BPSK	135	0		18.81			0.0
100	PI2 BPSK	135	69		18.80		19.6	0.0
100	PI2 BPSK	135	138		18.83			0.0
100	PI2 BPSK	270	0		18.80		19.6	0.0
100	QPSK	1	1		18.95			
100	QPSK	1	137		18.81		19.6	0.0
100	QPSK	1	271		18.83			
100	QPSK	135	0		18.81		19.6	0.0
100	QPSK	135	69		18.89		19.6	0.0
100	QPSK	135	138		18.85		19.6	0.0
100	QPSK	270	0		18.91			
100	16QAM	1	1		18.79		19.6	0.0
100	64QAM	1	1		18.81		19.6	0.0
100	256QAM	1	1		18.80		19.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit	MPR
				3495	3500.01	3505.02	(dBm)	(dB)
				18.79	18.82	18.86	19.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit	MPR
				3498.02	3503.03	3508	(dBm)	(dB)
				18.80	18.82	18.84	19.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit	MPR
				3485.01	3500.01	3515.01	(dBm)	(dB)
				18.76	18.78	18.87	19.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit	MPR
				3480	3500.01	3520.02	(dBm)	(dB)
				18.78	18.82	18.88	19.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631800	633334	635000	Tune-up limit	MPR
				3475.02	3500.01	3525	(dBm)	(dB)
				18.80	18.80	18.83	19.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit	MPR
				3470.01	3500.01	3530.01	(dBm)	(dB)
				18.78	18.80	18.84	19.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit	MPR
				3465	3500.01	3535.02	(dBm)	(dB)
				18.80	18.80	18.83	19.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit	MPR
				3460.02	3500.01	3540	(dBm)	(dB)
				18.76	18.81	18.87	19.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636334	Tune-up limit	MPR
				3457.5	3500.01	3542.50	(dBm)	(dB)
				18.78	18.81	18.83	19.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit	MPR
				3452.01	3500.01	3542.01	(dBm)	(dB)
				18.80	18.83	18.84	19.6	0.0



Part270 n78 DSI3_Simultaneous Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3750	3750				
Frequency (MHz)										
100	PI2 BPSK	1	1		14.73					
100	PI2 BPSK	1	137		14.80			18.6	0.0	
100	PI2 BPSK	1	271		14.73					
100	PI2 BPSK	135	0		14.73			18.6	0.0	
100	PI2 BPSK	135	69		14.84			18.6	0.0	
100	PI2 BPSK	135	138		14.73			18.6	0.0	
100	PI2 BPSK	270	0		14.70			18.6	0.0	
100	QPSK	1	1		14.87					
100	QPSK	1	137		14.86			18.6	0.0	
100	QPSK	1	271		14.71					
100	QPSK	135	0		14.74			18.6	0.0	
100	QPSK	135	69		14.85			18.6	0.0	
100	QPSK	135	138		14.80			18.6	0.0	
100	QPSK	270	0		14.72			18.6	0.0	
100	16QAM	1	1		14.81			18.6	0.0	
100	64QAM	1	1		14.78			18.6	0.0	
100	256QAM	1	1		14.01			18.6	0.0	
Channel				64098	65000	65034	Tune-up limit	MPR		
Frequency (MHz)										
90	QPSK	1	1	14.74	14.75	14.76	18.6	0.0		
Channel				64834	65000	65068	Tune-up limit	MPR		
Frequency (MHz)										
80	QPSK	1	1	14.73	14.73	14.75	18.6	0.0		
Channel				64900	65000	65100	Tune-up limit	MPR		
Frequency (MHz)										
70	QPSK	1	1	14.76	14.75	14.72	18.6	0.0		
Channel				64868	65000	65134	Tune-up limit	MPR		
Frequency (MHz)										
60	QPSK	1	1	14.78	14.77	14.74	18.6	0.0		
Channel				3730.02	3750	3770.01	Tune-up limit	MPR		
Frequency (MHz)										
50	QPSK	1	1	14.76	14.73	14.75	18.6	0.0		
Channel				64800	65000	65000	Tune-up limit	MPR		
Frequency (MHz)										
40	QPSK	1	1	14.77	14.74	14.74	18.6	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)										
30	QPSK	1	1	14.72	14.73	14.70	18.6	0.0		
Channel				64734	65000	65068	Tune-up limit	MPR		
Frequency (MHz)										
20	QPSK	1	1	14.78	14.74	14.72	18.6	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)										
15	QPSK	1	1	14.78	14.76	14.73	18.6	0.0		
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)										
10	QPSK	1	1	14.77	14.77	14.71	18.6	0.0		

Part270 n78 PC2 DSI3_Simultaneous Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3750	3750				
Frequency (MHz)										
100	PI2 BPSK	1	1		17.98					
100	PI2 BPSK	1	137		17.98			19.6	0.0	
100	PI2 BPSK	1	271		18.02					
100	PI2 BPSK	135	0		18.03			19.6	0.0	
100	PI2 BPSK	135	69		17.99			19.6	0.0	
100	PI2 BPSK	135	138		17.99			19.6	0.0	
100	PI2 BPSK	270	0		17.95			19.6	0.0	
100	QPSK	1	1		18.07					
100	QPSK	1	137		18.04			19.6	0.0	
100	QPSK	1	271		18.05					
100	QPSK	135	0		17.94			19.6	0.0	
100	QPSK	135	69		18.06			19.6	0.0	
100	QPSK	135	138		17.99			19.6	0.0	
100	QPSK	270	0		17.93			19.6	0.0	
100	16QAM	1	1		17.95			19.6	0.0	
100	64QAM	1	1		18.01			19.6	0.0	
100	256QAM	1	1		17.96			19.6	0.0	
Channel				64988	65000	65034	Tune-up limit	MPR		
Frequency (MHz)										
90	QPSK	1	1	17.96	17.94	17.95	19.6	0.0		
Channel				64834	65000	65068	Tune-up limit	MPR		
Frequency (MHz)										
80	QPSK	1	1	17.94	17.89	17.94	19.6	0.0		
Channel				64900	65000	65100	Tune-up limit	MPR		
Frequency (MHz)										
70	QPSK	1	1	17.95	17.90	17.93	19.6	0.0		
Channel				64868	65000	65134	Tune-up limit	MPR		
Frequency (MHz)										
60	QPSK	1	1	17.97	17.90	17.94	19.6	0.0		
Channel				3730.02	3750	3770.01	Tune-up limit	MPR		
Frequency (MHz)										
50	QPSK	1	1	17.94	17.91	17.99	19.6	0.0		
Channel				64800	65000	65000	Tune-up limit	MPR		
Frequency (MHz)										
40	QPSK	1	1	17.95	17.93	17.97	19.6	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)										
30	QPSK	1	1	17.94	17.96	17.96	19.6	0.0		
Channel				64734	65000	65068	Tune-up limit	MPR		
Frequency (MHz)										
20	QPSK	1	1	17.95	17.92	17.99	19.6	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)										
15	QPSK	1	1	17.93	17.92	17.96	19.6	0.0		
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)										
10	QPSK	1	1	17.95	17.91	17.97	19.6	0.0		

Part27Q n78 DSI3_Simultaneous Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3500.01						
Frequency (MHz)										
100	PI2 BPSK	1	1		15.10					
100	PI2 BPSK	1	137		15.06			18.6	0.0	
100	PI2 BPSK	1	271		15.17					
100	PI2 BPSK	135	0		15.15			18.6	0.0	
100	PI2 BPSK	135	69		15.21			18.6	0.0	
100	PI2 BPSK	135	138		15.07			18.6	0.0	
100	PI2 BPSK	270	0		15.20			18.6	0.0	
100	QPSK	1	1		15.23					
100	QPSK	1	137		15.08			18.6	0.0	
100	QPSK	1	271		15.14					
100	QPSK	135	0		15.16			18.6	0.0	
100	QPSK	135	69		15.17			18.6	0.0	
100	QPSK	135	138		15.16			18.6	0.0	
100	QPSK	270	0		15.21			18.6	0.0	
100	16QAM	1	1		15.17			18.6	0.0	
100	64QAM	1	1		15.15			18.6	0.0	
100	256QAM	1	1		15.06			18.6	0.0	
Channel				63300	63354	63368	Tune-up limit	MPR		
Frequency (MHz)										
90	QPSK	1	1	15.14	15.04	15.14	18.6	0.0		
Channel				63268	63334	63400	Tune-up limit	MPR		
Frequency (MHz)										
80	QPSK	1	1	15.18	15.06	15.13	18.6	0.0		
Channel				63234	63334	63434	Tune-up limit	MPR		
Frequency (MHz)										
70	QPSK	1	1	15.17	15.05	15.13	18.6	0.0		
Channel				3480.02	3500.01	3520	Tune-up limit	MPR		
Frequency (MHz)										
60	QPSK	1	1	15.14	15.05	15.15	18.6	0.0		
Channel				63300	63334	63368	Tune-up limit	MPR		
Frequency (MHz)										
50	QPSK	1	1	15.13	15.04	15.16	18.6	0.0		
Channel				63168	63234	63300	Tune-up limit	MPR		
Frequency (MHz)										
40	QPSK	1	1	15.14	15.04	15.18	18.6	0.0		
Channel				63100	63234	63368	Tune-up limit	MPR		
Frequency (MHz)										
30	QPSK	1	1	15.15	15.08	15.12	18.6	0.0		
Channel				63068	63134	63200	Tune-up limit	MPR		
Frequency (MHz)										
20	QPSK	1	1	15.18	15.06	15.17	18.6	0.0		
Channel				63000	63134	63268	Tune-up limit	MPR		
Frequency (MHz)										
15	QPSK	1	1	15.19	15.03	15.13	18.6	0.0		
Channel				63034	63134	63234	Tune-up limit	MPR		
Frequency (MHz)										
10	QPSK	1	1	15.16	15.08	15.16	18.6	0.0		



Part27Q n78 PC2 DSI3_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		18.14			
100	PI2 BPSK	1	271		18.09		19.6	0.0
100	PI2 BPSK	1	271		18.15			
100	PI2 BPSK	135	0		18.08		19.6	0.0
100	PI2 BPSK	135	69		18.14		19.6	0.0
100	PI2 BPSK	135	138		18.13		19.6	0.0
100	PI2 BPSK	270	0		18.09		19.6	0.0
100	QPSK	1	1		18.18			
100	QPSK	1	137		18.07		19.6	0.0
100	QPSK	1	271		18.12			
100	QPSK	135	0		18.14		19.6	0.0
100	QPSK	135	69		18.15		19.6	0.0
100	QPSK	135	138		18.11		19.6	0.0
100	QPSK	270	0		18.16		19.6	0.0
100	16QAM	1	1		18.06		19.6	0.0
100	64QAM	1	1		18.15		19.6	0.0
100	256QAM	1	1		18.02		19.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				18.17	18.10	18.06	19.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3510		
				18.15	18.03	18.08	19.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				18.11	18.02	18.06	19.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				18.10	18.03	18.10	19.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				18.16	18.03	18.11	19.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
				18.13	18.06	18.07	19.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				18.17	18.07	18.05	19.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				18.12	18.07	18.13	19.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3455.03	3500.01	3545.03		
				18.15	18.05	18.05	19.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3545.01		
				18.15	18.07	18.03	19.6	0.0



n2 DSI3_Simultaneous Ant 3									
BW [MHz]	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)				1860	1880	1900			
20	PI2 BPSK	1	1	20.28	20.44	20.42			
20	PI2 BPSK	1	53	20.43	20.50	20.38	21.7	0.0	
20	PI2 BPSK	1	104	20.46	20.48	20.36			
20	PI2 BPSK	50	0	20.38	20.46	20.43	21.7	0.0	
20	PI2 BPSK	50	28	20.44	20.50	20.39	21.7	0.0	
20	PI2 BPSK	50	56	20.43	20.46	20.33	21.7	0.0	
20	PI2 BPSK	100	0	20.35	20.41	20.38			
20	QPSK	1	1	20.50	20.58	20.46			
20	QPSK	1	53	20.34	20.47	20.38	21.7	0.0	
20	QPSK	1	104	20.37	20.53	20.41			
20	QPSK	50	0	20.28	20.43	20.40	21.7	0.0	
20	QPSK	50	28	20.46	20.53	20.42	21.7	0.0	
20	QPSK	50	56	20.40	20.44	20.30	21.7	0.0	
20	QPSK	100	0	20.40	20.55	20.31			
20	16QAM	1	1	20.46	20.54	20.50	21.7	0.0	
20	64QAM	1	1	20.34	20.49	20.37	21.7	0.0	
20	256QAM	1	1	19.94	20.12	20.08	21.5	0.2	
Channel									
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	20.34	20.42	20.36	21.7	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	20.43	20.56	20.39	21.7	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	20.47	20.49	20.41	21.7	0.0	

n7 DSI3_Simultaneous Ant 3									
BW [MHz]	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)				2520	2535	2550			
40	PI2 BPSK	1	1	21.25	21.40	21.32			
40	PI2 BPSK	1	108	21.24	21.36	21.28	22.4	0.0	
40	PI2 BPSK	1	214	21.19	21.32	21.23			
40	PI2 BPSK	108	0	21.36	21.41	21.29	22.4	0.0	
40	PI2 BPSK	108	54	21.31	21.44	21.34	22.4	0.0	
40	PI2 BPSK	108	108	21.29	21.46	21.32	22.4	0.0	
40	PI2 BPSK	216	0	21.45	21.48	21.39			
40	QPSK	1	1	21.40	20.48	21.34			
40	QPSK	1	108	21.24	21.33	21.30	22.4	0.0	
40	QPSK	1	214	21.00	21.37	21.34			
40	QPSK	108	0	21.23	21.33	21.20	22.4	0.0	
40	QPSK	108	54	21.31	21.45	21.33	22.4	0.0	
40	QPSK	108	108	21.42	21.44	21.36	22.4	0.0	
40	QPSK	216	0	21.07	21.41	21.25			
40	16QAM	1	1	21.21	21.36	21.23	22.4	0.0	
40	64QAM	1	1	21.28	21.43	21.33	22.4	0.0	
40	256QAM	1	1	20.02	20.98	20.86	21.0	1.4	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.37	21.38	21.26	22.4	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	21.37	21.37	21.23	22.4	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	21.06	20.35	20.50	22.4	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	21.37	21.42	21.20	22.4	0.0	
Channel									
Frequency (MHz)				501000	5035	2555			
10	QPSK	1	1	21.38	21.44	21.25	22.4	0.0	
Channel									
Frequency (MHz)				500500	507000	513000			
5	QPSK	1	1	21.37	21.41	21.20	22.4	0.0	

n25 DSI3_Simultaneous Ant 3									
BW [MHz]	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)				1870	182.5	1895			
40	PI2 BPSK	1	1	20.52	20.58	20.62			
40	PI2 BPSK	1	108	20.52	20.58	20.47	21.7	0.0	
40	PI2 BPSK	1	214	20.38	20.54	20.45			
40	PI2 BPSK	108	0	20.56	20.63	20.49	21.7	0.0	
40	PI2 BPSK	108	54	20.53	20.61	20.53	21.7	0.0	
40	PI2 BPSK	108	108	20.51	20.63	20.59	21.7	0.0	
40	PI2 BPSK	216	0	20.61	20.68	20.56			
40	QPSK	1	1	20.56	20.71	20.60			
40	QPSK	1	108	20.54	20.57	20.46	21.7	0.0	
40	QPSK	1	214	20.37	20.84	20.47			
40	QPSK	108	0	20.63	20.66	20.62	21.7	0.0	
40	QPSK	108	54	20.60	20.69	20.63	21.7	0.0	
40	QPSK	108	108	20.65	20.68	20.66	21.7	0.0	
40	QPSK	216	0	20.59	20.67	20.57			
40	16QAM	1	1	20.54	20.60	20.50	21.7	0.0	
40	64QAM	1	1	20.54	20.59	20.45	21.7	0.0	
40	256QAM	1	1	20.22	20.38	20.46	21.5	0.2	
Channel									
Frequency (MHz)				1865	182.5	1900			
30	QPSK	1	1	20.54	20.58	20.57	21.7	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	20.43	20.57	20.53	21.7	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	20.40	20.64	20.55	21.7	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	20.43	20.60	20.50	21.7	0.0	
Channel									
Frequency (MHz)				1857.5	182.5	1902.5			
10	QPSK	1	1	20.42	20.54	20.49	21.7	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	20.42	20.69	20.52	21.7	0.0	



n30 DSI3_Simultaneous Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	21.02					
10	PI2 BPSK	1	26	21.08			22.2	0.0	
10	PI2 BPSK	1	50	20.97					
10	PI2 BPSK	25	0	21.07			22.2	0.0	
10	PI2 BPSK	25	14	21.01			22.2	0.0	
10	PI2 BPSK	25	27	21.06					
10	PI2 BPSK	50	0	21.08			22.2	0.0	
10	QPSK	1	1	21.11					
10	QPSK	1	26	21.09			22.2	0.0	
10	QPSK	1	50	20.98					
10	QPSK	25	0	20.95			22.2	0.0	
10	QPSK	25	14	21.06			22.2	0.0	
10	QPSK	25	27	20.98					
10	QPSK	50	0	21.03			22.2	0.0	
10	16QAM	1	1	21.00			22.2	0.0	
10	16QAM	1	1	21.07					
10	256QAM	1	1	20.20			21.2	1.0	
Channel				481500	482000	482500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	20.86	21.03	20.96	22.2	0.0	

n66 DSI3_Simultaneous Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
40	PI2 BPSK	1	1	20.33	20.38	20.23			
40	PI2 BPSK	1	108	20.16	20.30	20.16	21.5	0.0	
40	PI2 BPSK	1	214	20.23	20.34	20.22			
40	PI2 BPSK	108	0	20.24	20.33	20.22	21.5	0.0	
40	PI2 BPSK	108	54	20.13	20.28	20.16	21.5	0.0	
40	PI2 BPSK	108	108	20.25	20.31	20.27			
40	PI2 BPSK	216	0	20.21	20.27	20.11	21.5	0.0	
40	QPSK	1	1	20.36	20.41	20.29			
40	QPSK	1	108	20.24	20.26	20.21	21.5	0.0	
40	QPSK	1	214	20.20	20.37	20.31			
40	QPSK	108	0	20.25	20.34	20.31	21.5	0.0	
40	QPSK	108	54	20.23	20.38	20.24	21.5	0.0	
40	QPSK	108	108	20.09	20.24	20.08			
40	QPSK	216	0	20.32	20.37	20.35	21.5	0.0	
40	16QAM	1	1	20.22	20.33	20.26	21.5	0.0	
40	16QAM	1	1	20.28	20.32	20.25	21.5	0.0	
40	256QAM	1	1	20.32	20.35	20.33	21.0	0.5	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.19	20.24	20.20	21.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	20.20	20.28	20.25	21.5	0.0	
Channel				343000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
15	QPSK	1	1	20.21	20.23	20.25	21.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.34	20.20	20.13	21.5	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.25	20.28	20.25	21.5	0.0	

n70 DSI3_Simultaneous Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1702.5					
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1	20.32					
15	PI2 BPSK	1	40	20.28			21.7	0.0	
15	PI2 BPSK	1	77	20.42					
15	PI2 BPSK	36	0	20.20			21.7	0.0	
15	PI2 BPSK	36	22	20.27					
15	PI2 BPSK	36	43	20.30			21.7	0.0	
15	PI2 BPSK	75	0	20.34					
15	QPSK	1	1	20.47					
15	QPSK	1	40	20.44			21.7	0.0	
15	QPSK	1	77	20.38					
15	QPSK	36	0	20.40			21.7	0.0	
15	QPSK	36	22	20.41					
15	QPSK	36	43	20.33			21.7	0.0	
15	QPSK	75	0	20.33					
15	16QAM	1	1	20.36			21.7	0.0	
15	16QAM	1	1	20.31					
15	256QAM	1	1	19.10			19.5	2.2	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	20.28	20.36	20.25	21.7	0.0	
Channel				339000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	20.20	20.28	20.19	21.7	0.0	



n38 DSI3_Simultaneous Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				517052	519000	520998		
Frequency (MHz)				2535.01	2535	2504.99		
30	PI2 BPSK	1	1	21.00	21.12	21.08		
30	PI2 BPSK	1	1	21.17	21.22	21.13	22.2	0.0
30	PI2 BPSK	1	76	20.99	21.15	20.99		
30	PI2 BPSK	36	0	21.02	21.15	21.12	22.2	0.0
30	PI2 BPSK	36	21	21.08	21.18	21.08	22.2	0.0
30	PI2 BPSK	36	42	20.94	21.09	21.00		
30	PI2 BPSK	75	0	21.15	21.18	21.14	22.2	0.0
30	QPSK	1	1	21.09	21.24	21.12		
30	QPSK	1	43	20.98	21.15	20.98	22.2	0.0
30	QPSK	1	76	21.15	21.15	21.11		
30	QPSK	36	0	20.95	21.12	20.97	22.2	0.0
30	QPSK	36	21	21.07	21.16	21.07	22.2	0.0
30	QPSK	36	42	21.00	21.14	21.08	22.2	0.0
30	QPSK	75	0	21.12	21.21	21.00		
30	16QAM	1	1	21.07	21.11	21.08	22.2	0.0
30	64QAM	1	1	21.01	21.14	21.08	22.2	0.0
30	256QAM	1	1	20.38	20.41	20.25	20.5	1.7
Channel				515004	519000	521000		
Frequency (MHz)				2582.52	2585	2607.48		
25	QPSK	1	1	20.97	21.21	20.98	22.2	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2585	2585	2610		
20	QPSK	1	1	21.06	21.11	21.09	22.2	0.0
Channel				515502	519000	524000		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.96	21.00	20.87	22.2	0.0
Channel				515004	519000	522998		
Frequency (MHz)				2575.02	2585	2614.98		
10	QPSK	1	1	20.93	21.12	20.97	22.2	0.0

n41 DSI3_Simultaneous Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2552.99	2540		
100	PI2 BPSK	1	1	20.74	20.80	20.70		
100	PI2 BPSK	1	137	20.74	20.78	20.75	22.2	0.0
100	PI2 BPSK	1	271	20.85	20.89	20.88		
100	PI2 BPSK	135	0	20.73	20.82	20.79	22.2	0.0
100	PI2 BPSK	135	69	20.74	20.78	20.83	22.2	0.0
100	PI2 BPSK	135	138	20.77	20.80	20.77		
100	PI2 BPSK	270	0	20.78	20.80	20.66	22.2	0.0
100	QPSK	1	1	20.78	20.92	20.82		
100	QPSK	1	137	20.73	20.86	20.78	22.2	0.0
100	QPSK	1	271	20.74	20.81	20.77		
100	QPSK	135	0	20.70	20.75	20.58	22.2	0.0
100	QPSK	135	69	20.78	20.83	20.71	22.2	0.0
100	QPSK	135	138	20.86	20.82	20.70	22.2	0.0
100	QPSK	270	0	20.74	20.78	20.65	22.2	0.0
100	16QAM	1	1	20.77	20.81	20.78	22.2	0.0
100	64QAM	1	1	20.69	20.81	20.78	21.5	0.7
100	256QAM	1	1	18.83	18.85	18.67	18.5	2.7
Channel				510200	518598	529598		
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	20.69	20.75	20.76	22.2	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2538.02	2552.99	2648.99		
80	QPSK	1	1	20.71	20.80	20.78	22.2	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2552.99	2655		
70	QPSK	1	1	20.70	20.78	20.77	22.2	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2528	2552.99	2659.98		
60	QPSK	1	1	20.72	20.84	20.68	22.2	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2552.99	2664.99		
50	QPSK	1	1	20.70	20.78	20.70	22.2	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2518.01	2552.99	2669		
40	QPSK	1	1	20.65	20.77	20.73	22.2	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2552.99	2674.98		
30	QPSK	1	1	20.68	20.82	20.73	22.2	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2552.99	2679.99		
20	QPSK	1	1	20.71	20.85	20.69	22.2	0.0



n41 PC2 DSI3_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	MPR (dB)
Channel				506202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	23.81	23.95	23.87	25.2
100	PI2 BPSK	1	137	23.82	23.86	23.73	25.2
100	PI2 BPSK	1	271	23.82	23.92	23.78	25.2
100	PI2 BPSK	135	0	23.76	23.87	23.75	25.2
100	PI2 BPSK	135	69	23.85	23.94	23.92	25.2
100	PI2 BPSK	135	138	23.72	23.83	23.67	25.2
100	PI2 BPSK	270	0	23.85	23.96	23.89	25.2
100	QPSK	1	1	23.94	24.00	23.86	25.2
100	QPSK	1	197	23.84	23.87	23.78	25.2
100	QPSK	1	211	23.84	23.95	23.83	25.2
100	QPSK	135	0	23.74	23.90	23.73	25.2
100	QPSK	135	69	23.80	23.97	23.82	25.2
100	QPSK	135	138	23.92	23.95	23.80	25.2
100	QPSK	270	0	23.74	23.90	23.78	25.2
100	16QAM	1	1	23.72	23.83	23.68	25.2
100	64QAM	1	1	23.72	23.87	23.73	25.0
100	256QAM	1	1	22.98	22.81	22.57	24.0
Channel				506203	518599	528000	Tune-up limit
Frequency (MHz)				2641	2592.99	2644.98	MPR (dB)
90	QPSK	1	1	23.87	23.87	23.80	25.2
Channel				507294	518598	528000	Tune-up limit
Frequency (MHz)				2638.02	2661.98	2684.98	MPR (dB)
80	QPSK	1	1	23.90	23.92	23.73	25.2
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	MPR (dB)
70	QPSK	1	1	23.84	23.91	23.77	25.2
Channel				505200	518598	531998	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	MPR (dB)
60	QPSK	1	1	23.88	23.86	23.73	25.2
Channel				505203	518599	532000	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	1	23.80	23.87	23.83	25.2
Channel				505202	518598	534000	Tune-up limit
Frequency (MHz)				2518.01	2592.99	2670	MPR (dB)
40	QPSK	1	1	23.98	23.83	23.74	25.2
Channel				502200	518598	534998	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	MPR (dB)
30	QPSK	1	1	23.81	23.96	23.69	25.2
Channel				501203	518599	535000	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	1	23.89	23.97	23.73	25.2

n48 Part96 DSI3_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	MPR (dB)
Channel				636000	641666	646332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI2 BPSK	1	1	15.11	15.24	15.08	16.3
40	PI2 BPSK	1	53	15.07	15.16	15.02	16.3
40	PI2 BPSK	1	104	15.23	15.27	15.12	16.3
40	PI2 BPSK	50	0	15.15	15.18	15.15	16.3
40	PI2 BPSK	50	26	15.18	15.26	15.09	16.3
40	PI2 BPSK	50	56	15.12	15.16	15.07	16.3
40	PI2 BPSK	100	0	15.10	15.18	15.08	16.3
40	QPSK	1	1	15.26	15.32	15.16	16.3
40	QPSK	1	53	15.12	15.20	15.03	16.3
40	QPSK	1	104	15.17	15.22	15.15	16.3
40	QPSK	50	0	15.07	15.19	15.14	16.3
40	QPSK	50	26	15.14	15.28	15.25	16.3
40	QPSK	50	56	15.22	15.24	15.11	16.3
40	QPSK	100	0	15.20	15.25	15.13	16.3
40	16QAM	1	1	15.09	15.21	15.18	16.3
40	64QAM	1	1	15.15	15.27	15.20	16.3
40	256QAM	1	1	15.07	15.16	15.13	16.3
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.98	MPR (dB)
30	QPSK	1	1	15.17	15.21	15.01	16.3
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3569.03	3624.99	3689	MPR (dB)
20	QPSK	1	1	15.11	15.18	15.00	16.3
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3684.98	MPR (dB)
10	QPSK	1	1	15.22	15.19	15.02	16.3



Part270 n77 DSI3_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.24	16.27	16.18		
100	PI2 BPSK	1	137	16.19	16.25	16.20	17.1	0.0
100	PI2 BPSK	1	271	16.04	16.20	16.12		
100	PI2 BPSK	135	0	16.14	16.20	16.13	17.1	0.0
100	PI2 BPSK	135	69	16.17	16.27	16.16	17.1	0.0
100	PI2 BPSK	135	138	16.16	16.21	16.13	17.1	0.0
100	PI2 BPSK	270	0	16.21	16.25	16.12	17.1	0.0
100	QPSK	1	1	16.15	16.30	16.24		
100	QPSK	1	137	16.08	16.23	16.11	17.1	0.0
100	QPSK	1	271	16.10	16.21	16.11		
100	QPSK	135	0	16.10	16.21	16.18	17.1	0.0
100	QPSK	135	69	16.14	16.27	16.12	17.1	0.0
100	QPSK	135	138	16.09	16.15	15.99	17.1	0.0
100	QPSK	270	0	16.21	16.26	16.15	17.1	0.0
100	16QAM	1	1	16.16	16.26	16.14	17.1	0.0
100	64QAM	1	1	16.01	16.17	16.07	17.1	0.0
100	256QAM	1	1	16.02	16.11	15.96	17.1	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.12	16.27	16.21	17.1	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.08	16.22	16.10	17.1	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.09	16.27	16.08	17.1	0.0
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.08	16.15	16.17	17.1	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.00	16.27	16.15	17.1	0.0
Channel								
Frequency (MHz)				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.02	16.28	16.08	17.1	0.0
Channel								
Frequency (MHz)				647668	650000	650334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.07	16.20	16.10	17.1	0.0
Channel								
Frequency (MHz)				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.11	16.27	16.22	17.1	0.0
Channel								
Frequency (MHz)				647160	650000	650334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.02	16.28	16.17	17.1	0.0
Channel								
Frequency (MHz)				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.08	16.13	16.13	17.1	0.0

Part270 n77 PC2 DSI3_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.03	19.15	19.07		
100	PI2 BPSK	1	137	19.02	19.15	19.05	20.1	0.0
100	PI2 BPSK	1	271	19.07	19.20	19.10		
100	PI2 BPSK	135	0	19.03	19.07	18.99	20.1	0.0
100	PI2 BPSK	135	69	19.14	19.20	19.16	20.1	0.0
100	PI2 BPSK	135	138	19.07	19.18	19.07	20.1	0.0
100	PI2 BPSK	270	0	19.02	19.12	19.06	20.1	0.0
100	QPSK	1	1	19.09	19.24	19.16		
100	QPSK	1	137	19.02	19.15	19.08	20.1	0.0
100	QPSK	1	271	19.06	19.08	19.03		
100	QPSK	135	0	19.06	19.10	18.97	20.1	0.0
100	QPSK	135	69	19.08	19.15	19.07	20.1	0.0
100	QPSK	135	138	19.06	19.13	19.07	20.1	0.0
100	QPSK	270	0	19.11	19.20	19.16	20.1	0.0
100	16QAM	1	1	19.07	19.20	19.07	20.1	0.0
100	64QAM	1	1	19.07	19.10	19.20	20.1	0.0
100	256QAM	1	1	19.08	19.08	19.99	20.1	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.98	19.07	19.13	20.1	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.97	19.13	19.08	20.1	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.98	19.18	19.00	20.1	0.0
Channel								
Frequency (MHz)				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.00	19.20	18.99	20.1	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.07	19.18	19.10	20.1	0.0
Channel								
Frequency (MHz)				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.06	19.08	19.02	20.1	0.0
Channel								
Frequency (MHz)				647668	650000	650334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.08	19.08	19.03	20.1	0.0
Channel								
Frequency (MHz)				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.02	19.13	19.04	20.1	0.0
Channel								
Frequency (MHz)				647160	650000	650334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.95	19.10	19.13	20.1	0.0
Channel								
Frequency (MHz)				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.04	19.10	19.08	20.1	0.0

Part27Q n77 DSI3_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		16.28			
100	PI2 BPSK	1	137		16.29		17.1	0.0
100	PI2 BPSK	1	271		16.26			
100	PI2 BPSK	135	0		16.36	16.38	17.1	0.0
100	PI2 BPSK	135	69		16.30		17.1	0.0
100	PI2 BPSK	135	138		16.33		17.1	0.0
100	PI2 BPSK	270	0		16.32		17.1	0.0
100	QPSK	1	1		16.42			
100	QPSK	1	137		16.34		17.1	0.0
100	QPSK	1	271		16.32			
100	QPSK	135	0		16.35		17.1	0.0
100	QPSK	135	69		16.38		17.1	0.0
100	QPSK	135	138		16.27		17.1	0.0
100	QPSK	270	0		16.27		17.1	0.0
100	16QAM	1	1		16.37		17.1	0.0
100	64QAM	1	1		16.33		17.1	0.0
100	256QAM	1	1		16.20		17.1	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.35	16.37	16.34	17.1	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.29	16.34	16.29	17.1	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.27	16.32	16.32	17.1	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.32	16.30	16.32	17.1	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.36	16.34	16.32	17.1	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.31	16.36	16.28	17.1	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.38	16.29	16.33	17.1	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.25	16.38	16.26	17.1	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.39	16.34	16.33	17.1	0.0
Channel								
Frequency (MHz)				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.25	16.35	16.37	17.1	0.0



Part27Q n77 PC2 DSI3_Simultaneous Ant 3

BW [MHz]	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		3500.01			
100	PI2 BPSK	1	137		19.43			
100	PI2 BPSK	1	271		19.39		20.1	0.0
100	PI2 BPSK	135	0		19.38			
100	PI2 BPSK	135	69		19.44		20.1	0.0
100	PI2 BPSK	135	138		19.48		20.1	0.0
100	PI2 BPSK	270	0		19.44		20.1	0.0
100	PI2 BPSK	270	0		19.39			
100	QPSK	1	1		19.50			
100	QPSK	1	137		19.36			
100	QPSK	1	271		19.46		20.1	0.0
100	QPSK	135	0		19.36		20.1	0.0
100	QPSK	135	69		19.47		20.1	0.0
100	QPSK	135	138		19.40		20.1	0.0
100	QPSK	270	0		19.42			
100	16QAM	1	1		19.35		20.1	0.0
100	64QAM	1	1		19.38		20.1	0.0
100	256QAM	1	1		19.36		20.1	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	19.42	19.38	19.48	20.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3510		
80	QPSK	1	1	19.44	19.45	19.41	20.1	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	19.42	19.33	19.40	20.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	19.48	19.42	19.46	20.1	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	19.35	19.47	19.42	20.1	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	19.38	19.45	19.34	20.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	19.38	19.44	19.34	20.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	19.34	19.40	19.39	20.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630350	633334	636350	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	19.36	19.44	19.33	20.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3540.01		
10	QPSK	1	1	19.45	19.45	19.41	20.1	0.0



Part270 n78 DSI3_Simultaneous Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	3750	3750	3750				
100	PI2 BPSK	1	137		1615					
100	PI2 BPSK	1	271		1612		17.1	0.0		
100	PI2 BPSK	1	271		1617					
100	PI2 BPSK	135	0		1616		17.1	0.0		
100	PI2 BPSK	135	69		1620		17.1	0.0		
100	PI2 BPSK	135	138		1617		17.1	0.0		
100	PI2 BPSK	270	0		1609		17.1	0.0		
100	QPSK	1	1		1625					
100	QPSK	1	137		1615		17.1	0.0		
100	QPSK	1	271		1610					
100	QPSK	135	0		1611		17.1	0.0		
100	QPSK	135	69		1617		17.1	0.0		
100	QPSK	135	138		1614		17.1	0.0		
100	QPSK	270	0		1612		17.1	0.0		
100	16QAM	1	1		1618		17.1	0.0		
100	64QAM	1	1		1612		17.1	0.0		
100	256QAM	1	1		1608		17.1	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	64098	65000	65034	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	1621	1621	1620	17.1	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	1609	1611	1619	17.1	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	64800	65000	65100	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	1622	1613	1624	17.1	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	64734	65000	65166	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	1619	1613	1612	17.1	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3745	3750	3755	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	1617	1620	1609	17.1	0.0		

Part270 n78 PC2 DSI3_Simultaneous Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	3750	3750	3750				
100	PI2 BPSK	1	137		1603					
100	PI2 BPSK	1	137		1609		20.1	0.0		
100	PI2 BPSK	1	271		1606					
100	PI2 BPSK	135	0		1604		20.1	0.0		
100	PI2 BPSK	135	69		1609		20.1	0.0		
100	PI2 BPSK	135	138		1600		20.1	0.0		
100	PI2 BPSK	270	0		1602		20.1	0.0		
100	QPSK	1	1		1610					
100	QPSK	1	137		1600		20.1	0.0		
100	QPSK	1	271		1604					
100	QPSK	135	0		1601		20.1	0.0		
100	QPSK	135	69		1607		20.1	0.0		
100	QPSK	135	138		1604		20.1	0.0		
100	QPSK	270	0		1603		20.1	0.0		
100	16QAM	1	1		1600		20.1	0.0		
100	64QAM	1	1		1604		20.1	0.0		
100	256QAM	1	1		1608		20.1	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	64098	65000	65034	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	1606	1606	1606	20.1	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	1607	1601	1607	20.1	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	64800	65000	65100	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	1608	1604	1605	20.1	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	64734	65000	65166	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	1604	1608	1604	20.1	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3745	3750	3755	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	1604	1604	1607	20.1	0.0		

Part27Q n78 DSI3_Simultaneous Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	3500.01						
100	PI2 BPSK	1	137		1633					
100	PI2 BPSK	1	137		1627		17.1	0.0		
100	PI2 BPSK	1	271		1631					
100	PI2 BPSK	135	0		1624		17.1	0.0		
100	PI2 BPSK	135	69		1628		17.1	0.0		
100	PI2 BPSK	135	138		1627		17.1	0.0		
100	PI2 BPSK	270	0		1633		17.1	0.0		
100	QPSK	1	1		1638					
100	QPSK	1	137		1626		17.1	0.0		
100	QPSK	1	271		1632					
100	QPSK	135	0		1629		17.1	0.0		
100	QPSK	135	69		1636		17.1	0.0		
100	QPSK	135	138		1630		17.1	0.0		
100	QPSK	270	0		1621		17.1	0.0		
100	16QAM	1	1		1630		17.1	0.0		
100	64QAM	1	1		1618		17.1	0.0		
100	256QAM	1	1		1626		17.1	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63368	63398	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	1624	1625	1633	17.1	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	63268	63334	63400	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3495.02	3500.01	3505.02	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	3495.02	3500.01	3505.02	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	1636	1634	1634	17.1	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	63166	63254	63300	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	1623	1621	1633	17.1	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	63134	63334	63534	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3495.02	3500.01	3505.02	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	1631	1622	1631	17.1	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	63100	63334	63668	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	1622	1628	1634	17.1	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	63068	63334	63600	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	3490.02	3500.01	3510	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	1621	1634	1635	17.1	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	63000	63334	63608	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3485.01	3500.01	3510.01	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
15	QPSK	1	1	1628	1635	1622	17.1	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	63034	63334	63634	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3485.01	3500.01	3510.01	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	1635	1622	1634	17.1	0.0		



Part27Q n78 PC2 DSI3_Simultaneous Ant 3

BW [MHz]	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		3500.01			
100	PI2 BPSK	1	137		19.29			
100	PI2 BPSK	1	271		19.34		20.1	0.0
100	PI2 BPSK	135	0		19.29		20.1	0.0
100	PI2 BPSK	135	69		19.30		20.1	0.0
100	PI2 BPSK	135	138		19.33		20.1	0.0
100	PI2 BPSK	270	0		19.36		20.1	0.0
100	QPSK	1	1		19.45			
100	QPSK	1	137		19.36			
100	QPSK	1	271		19.31		20.1	0.0
100	QPSK	135	0		19.32		20.1	0.0
100	QPSK	135	69		19.42		20.1	0.0
100	QPSK	135	138		19.38		20.1	0.0
100	QPSK	270	0		19.36		20.1	0.0
100	16QAM	1	1		19.31		20.1	0.0
100	64QAM	1	1		19.27		20.1	0.0
100	256QAM	1	1		19.26		20.1	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	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.42	19.28	19.41	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3498.02	3500.01	3502	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.43	19.31	19.29	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	631808	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.39	19.31	19.38	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3478.01	3500.01	3528.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.34	19.31	19.30	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.33	19.30	19.29	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636308	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3457.5	3500.01	3542.5	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3452.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.42	19.32	19.37	Tune-up limit (dBm)	MPR (dB)



Reduced Power Mode for DSI5-Standalone

n5 Default Ant 0									
BW (MHz)	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)									
				834	836.5	839			
20	PI2 BPSK	1	1	21.89	21.88	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63			
20	PI2 BPSK	100	0	21.73	21.77	21.65	23.0	0.0	
20	QPSK	1	1	21.88	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.82	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.78	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	16QAM	1	1	21.62	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.83	20.68	20.56	21.0	2.0	
Channel									
Frequency (MHz)									
				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)									
				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)									
				836.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 DSI5_Standalone Ant 0									
BW (MHz)	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)									
				2520	2535	2550			
40	PI2 BPSK	1	1	19.52	19.04	19.56			
40	PI2 BPSK	1	108	19.42	19.58	19.55	20.7	0.0	
40	PI2 BPSK	1	214	19.54	19.58	19.49			
40	PI2 BPSK	108	0	19.45	19.59	19.54	20.7	0.0	
40	PI2 BPSK	108	54	19.53	19.56	19.40	20.7	0.0	
40	PI2 BPSK	108	108	19.55	19.68	19.56			
40	PI2 BPSK	216	0	19.50	19.56	19.46	20.7	0.0	
40	QPSK	1	1	19.60	19.72	19.56			
40	QPSK	1	108	19.54	19.65	19.51	20.7	0.0	
40	QPSK	1	214	19.56	19.68	19.67			
40	QPSK	108	0	19.52	19.58	19.48	20.7	0.0	
40	QPSK	108	54	19.53	19.66	19.54	20.7	0.0	
40	QPSK	108	108	19.42	19.58	19.45	20.7	0.0	
40	QPSK	216	0	19.51	19.59	19.51			
40	16QAM	1	1	19.36	19.69	19.54	20.7	0.0	
40	16QAM	1	1	19.37	19.48	19.34	20.7	0.0	
40	256QAM	1	1	19.01	19.14	19.08	20.0	0.7	
Channel									
Frequency (MHz)									
				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	25.15	25.35	25.55	20.7	0.0	
Channel									
Frequency (MHz)									
				502900	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	19.57	19.66	19.42	20.7	0.0	
Channel									
Frequency (MHz)									
				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	19.54	19.58	19.47	20.7	0.0	
Channel									
Frequency (MHz)									
				507000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.56	19.67	19.52	20.7	0.0	
Channel									
Frequency (MHz)									
				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.45	19.68	19.51	20.7	0.0	
Channel									
Frequency (MHz)									
				500600	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.52	19.59	19.54	20.7	0.0	

n12 Default Ant 0									
BW (MHz)	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)									
				708.5	707.5	708.5			
15	PI2 BPSK	1	1	21.82	21.86	21.76			
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0	0.0	
15	PI2 BPSK	1	77	21.49	21.59	21.46			
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0	
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0	
15	PI2 BPSK	36	43	21.64	21.69	21.66			
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0	0.0	
15	QPSK	1	1	21.87	21.95	21.82			
15	QPSK	1	40	21.78	21.83	21.74	23.0	0.0	
15	QPSK	1	77	21.70	21.79	21.67			
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0	
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0	
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0	
15	QPSK	75	0	21.72	21.78	21.74			
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0	
15	16QAM	1	1	20.93	20.93	20.89	22.0	1.0	
15	256QAM	1	1	19.33	19.41	19.29	20.0	3.0	
Channel									
Frequency (MHz)									
				143800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.74	21.75	21.71	23.0	0.0	
Channel									
Frequency (MHz)									
				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0	



n13 Default Ant 0

BW (MHz)	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)				15600			782		
10	PI2 BPSK	1	1		21.84		23.0	0.0	
10	PI2 BPSK	1	26		21.79				
10	PI2 BPSK	1	50		21.72		22.5	0.5	
10	PI2 BPSK	25	0		20.93				
10	PI2 BPSK	25	14		21.88		23.0	0.0	
10	PI2 BPSK	25	27		21.76				
10	PI2 BPSK	50	0		21.81		22.5	0.5	
10	QPSK	1	1		21.94				
10	QPSK	1	26		21.87		23.0	0.0	
10	QPSK	1	50		21.83				
10	QPSK	25	0		20.89		23.0	1.0	
10	QPSK	25	14		21.88				
10	QPSK	25	27		21.13		22.0	1.0	
10	QPSK	50	0		21.18				
10	16QAM	1	1		20.71		22.0	1.0	
10	64QAM	1	1		19.53				
10	256QAM	1	1		18.22		18.5	4.5	
Channel				155900	156400	156900			Tune-up limit (dBm)
5	QPSK	1	1		21.50	21.87	21.11	23.0	0.0

n14 Default Ant 0

BW (MHz)	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)				15800			793		
10	PI2 BPSK	1	1		21.98		23.0	0.0	
10	PI2 BPSK	1	26		21.90				
10	PI2 BPSK	1	50		21.86		23.0	0.0	
10	PI2 BPSK	25	0		21.89				
10	PI2 BPSK	25	14		21.95		23.0	0.0	
10	PI2 BPSK	25	27		21.86				
10	PI2 BPSK	50	0		21.93		23.0	0.0	
10	QPSK	1	1		22.04				
10	QPSK	1	26		22.01		23.0	0.0	
10	QPSK	1	50		21.96				
10	QPSK	25	0		21.94		23.0	0.0	
10	QPSK	25	14		21.99				
10	QPSK	25	27		21.87		23.0	0.0	
10	QPSK	50	0		21.94				
10	16QAM	1	1		21.86		23.0	0.0	
10	64QAM	1	1		20.85				
10	256QAM	1	1		19.09		20.0	3.0	
Channel				158100	158600	159100			Tune-up limit (dBm)
5	QPSK	1	1		21.93	21.98	21.21	23.0	0.0

n25 Default Ant 0

BW (MHz)	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)				1870			1882.5		
40	PI2 BPSK	1	1		23.00	23.13	23.12	24.0	0.0
40	PI2 BPSK	1	108		22.91	23.11	22.94		
40	PI2 BPSK	1	214		22.98	22.98	23.02	24.0	0.0
40	PI2 BPSK	108	0		22.95	23.08	23.08		
40	PI2 BPSK	108	54		23.04	23.11	23.14	24.0	0.0
40	PI2 BPSK	108	108		22.96	23.07	22.93		
40	PI2 BPSK	216	0		22.88	22.96	23.05	24.0	0.0
40	QPSK	1	1		23.08	23.25	23.21		
40	QPSK	1	108		23.11	23.15	23.10	24.0	0.0
40	QPSK	1	214		23.02	23.06	23.00		
40	QPSK	108	0		22.98	23.03	22.91	24.0	0.0
40	QPSK	108	54		23.02	23.16	22.97		
40	QPSK	108	108		22.98	23.08	22.93	24.0	0.0
40	QPSK	216	0		23.04	23.12	23.04		
40	16QAM	1	1		23.09	23.21	23.16	24.0	0.0
40	64QAM	1	1		22.06	22.13	22.08		
40	256QAM	1	1		20.69	20.74	20.63	21.0	3.0
Channel				372000	376500	380000	Tune-up limit (dBm)		
30	QPSK	1	1		22.99	23.11	23.06	24.0	0.0
Channel									
Frequency (MHz)				372500			376500		
25	QPSK	1	1		23.04	23.14	23.10	24.0	0.0
Channel									
Frequency (MHz)				372500			376500		
20	QPSK	1	1		22.99	23.19	23.08	24.0	0.0
Channel									
Frequency (MHz)				372500			376500		
15	QPSK	1	1		22.93	23.20	23.06	24.0	0.0
Channel									
Frequency (MHz)				371000			376500		
10	QPSK	1	1		22.98	23.21	23.17	24.0	0.0
Channel									
Frequency (MHz)				376500			382500		
5	QPSK	1	1		22.96	23.17	23.14	24.0	0.0



n26 Default Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				164900	166300	167900			
Frequency (MHz)				854	831.5	839			
20	PI2 BPSK	1	1	23.38	23.46	23.33			
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.11	23.05			
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0	
20	PI2 BPSK	50	26	23.22	23.31	23.18	24.0	0.0	
20	PI2 BPSK	50	56	23.02	23.15	23.08			
20	PI2 BPSK	100	0	23.17	23.28	23.22	24.0	0.0	
20	QPSK	1	1	23.43	23.49	23.38			
20	QPSK	1	63	23.29	23.40	23.32	24.0	0.0	
20	QPSK	1	104	23.27	23.34	23.22			
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0	
20	QPSK	50	26	23.39	23.43	23.32	24.0	0.0	
20	QPSK	50	56	23.20	23.31	23.28	24.0	0.0	
20	QPSK	100	0	23.31	23.38	23.26			
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0	
20	16QAM	1	1	22.31	22.43	22.30	23.0	1.0	
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5	(dB)	(dB)	
15	QPSK	1	1	23.32	23.35	23.33	24.0	0.0	
Channel				165900	166300	166800	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				819	831.5	844	(dB)	(dB)	
10	QPSK	1	1	23.31	23.32	23.25	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	(dB)	(dB)	
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0	

n30 DSI5_Standalone Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				460900	462000	463000			
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	21.07					
10	PI2 BPSK	1	26	20.98			22.1	0.0	
10	PI2 BPSK	1	50	20.90					
10	PI2 BPSK	25	0	20.83			22.1	0.0	
10	PI2 BPSK	25	14	21.00			22.1	0.0	
10	PI2 BPSK	25	27	20.95					
10	PI2 BPSK	50	0	20.91			22.1	0.0	
10	QPSK	1	1	21.15					
10	QPSK	1	26	21.06			22.1	0.0	
10	QPSK	1	50	20.94					
10	QPSK	25	0	20.91			22.1	0.0	
10	QPSK	25	14	21.00			22.1	0.0	
10	QPSK	25	27	20.95					
10	QPSK	50	0	20.90			22.1	0.0	
10	16QAM	1	1	20.96			22.1	0.0	
10	16QAM	1	1	20.91			22.1	0.0	
10	256QAM	1	1	19.99			21.0	1.1	
Channel				461500	462000	462500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	(dB)	(dB)	
5	QPSK	1	1	21.03	21.03	21.11	22.1	0.0	



n66 DSI5_Standalone Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000	349000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	21.80	21.86	21.74		
40	PI2 BPSK	1	108	21.62	21.74	21.68	22.9	0.0
40	PI2 BPSK	1	214	21.71	21.76	21.73		
40	PI2 BPSK	108	0	21.63	21.72	21.61	22.9	0.0
40	PI2 BPSK	108	84	21.78	21.83	21.69	22.9	0.0
40	PI2 BPSK	108	108	21.63	21.71	21.65	22.9	0.0
40	PI2 BPSK	216	0	21.72	21.77	21.65		
40	QPSK	1	1	21.80	21.82	21.87		
40	QPSK	1	108	21.75	21.85	21.76	22.9	0.0
40	QPSK	1	214	21.70	21.80	21.67		
40	QPSK	108	0	21.70	21.75	21.70	22.9	0.0
40	QPSK	108	84	21.75	21.87	21.73	22.9	0.0
40	QPSK	108	108	21.73	21.81	21.68	22.9	0.0
40	QPSK	216	0	21.80	21.84	21.77		
40	16QAM	1	1	21.65	21.76	21.65	22.9	0.0
40	64QAM	1	1	21.05	21.10	21.06	22.9	0.0
40	256QAM	1	1	19.75	19.90	19.78	21.0	1.9
Channel				345000	349000	353000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.64	21.70	21.59	22.9	0.0
Channel				344000	349000	356000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.50	21.67	21.63	22.9	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.64	21.75	21.64	22.9	0.0
Channel				340000	349000	355000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.60	21.73	21.62	22.9	0.0
Channel				342000	349000	355000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1722.5	1745	1772.5		
5	QPSK	1	1	21.52	21.71	21.65	22.9	0.0



n38 DS15_Standalone Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2535.01	2595	2604.99		
30	PI2 BPSK	1	1	19.66	19.72	19.79		
30	PI2 BPSK	1	40	19.59	19.64	19.73	21.3	0.0
30	PI2 BPSK	1	76	19.64	19.93	19.84		
30	PI2 BPSK	36	0	19.62	19.74	19.74	21.3	0.0
30	PI2 BPSK	36	21	19.77	19.64	19.60	21.3	0.0
30	PI2 BPSK	36	42	19.76	19.70	19.86		
30	PI2 BPSK	75	0	19.81	19.81	19.73	21.3	0.0
30	QPSK	1	1	19.81	20.06	19.74		
30	QPSK	1	40	19.71	19.77	19.55	21.3	0.0
30	QPSK	1	76	19.53	19.65	19.75		
30	QPSK	36	0	19.85	19.71	19.68	21.3	0.0
30	QPSK	36	21	19.67	20.00	19.67	21.3	0.0
30	QPSK	36	42	19.72	19.73	19.63	21.3	0.0
30	QPSK	75	0	19.79	19.87	19.62		
30	16QAM	1	1	19.57	19.60	19.56	21.3	0.0
30	64QAM	1	1	19.71	19.80	19.86	21.3	0.0
30	256QAM	1	1	17.52	17.22	17.77	19.5	1.0
Channel				515504	519300	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2555	2607.48		
25	QPSK	1	1	19.68	19.56	19.63	21.3	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2554	2555	2610		
20	QPSK	1	1	19.71	19.52	19.72	21.3	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.66	19.33	19.73	21.3	0.0
Channel				515004	519300	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2555	2614.98		
10	QPSK	1	1	19.69	19.52	19.31	21.3	0.0

n41 DS15_Standalone Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528000		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	19.94	20.01	19.88		
100	PI2 BPSK	1	137	19.75	19.80	19.79	21.3	0.0
100	PI2 BPSK	1	271	19.68	19.81	19.74		
100	PI2 BPSK	135	0	19.80	19.91	19.87	21.3	0.0
100	PI2 BPSK	135	69	19.98	20.02	19.90	21.3	0.0
100	PI2 BPSK	135	138	19.69	19.93	19.88		
100	PI2 BPSK	270	0	19.85	19.95	19.82	21.3	0.0
100	QPSK	1	1	19.92	20.14	19.95		
100	QPSK	1	137	19.95	19.81	19.75	21.3	0.0
100	QPSK	1	271	19.79	19.89	19.79		
100	QPSK	135	0	19.82	19.83	19.79	21.3	0.0
100	QPSK	135	69	20.00	20.03	19.72	21.3	0.0
100	QPSK	135	138	19.75	19.91	19.91	21.3	0.0
100	QPSK	270	0	19.81	19.90	19.69		
100	16QAM	1	1	19.92	20.03	19.87	21.3	0.0
100	64QAM	1	1	19.47	19.61	19.48	20.5	0.8
100	256QAM	1	1	17.60	18.03	17.64	18.5	2.0
Channel				515500	518598	529596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.75	19.68	19.66	21.3	0.0
Channel				507294	518598	529598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2622.99	2648.99		
80	QPSK	1	1	19.61	19.41	19.41	21.3	0.0
Channel				506002	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2653		
70	QPSK	1	1	19.57	19.47	19.37	21.3	0.0
Channel				505000	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.37	19.43	19.40	21.3	0.0
Channel				502504	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.34	19.51	19.80	21.3	0.0
Channel				503002	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.73	19.43	19.38	21.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.60	19.43	19.71	21.3	0.0
Channel				501294	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.62	19.49	19.58	21.3	0.0



n41 PC2 DSI5_Standalone Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)			
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.					
Channel				506002	518598	526000					
Frequency (MHz)				2546.01	2592.99	2640					
100	PI2 BPSK	1	1	22.74	22.86	22.78					
100	PI2 BPSK	1	137	22.74	22.91	22.82	24.3	0.0			
100	PI2 BPSK	1	271	22.72	22.86	22.78					
100	PI2 BPSK	135	0	22.87	22.77	22.78	24.3	0.0			
100	PI2 BPSK	135	69	22.96	22.78	22.86	24.3	0.0			
100	PI2 BPSK	135	138	22.82	22.69	22.69	24.3	0.0			
100	PI2 BPSK	270	0	22.84	22.68	22.81					
100	QPSK	1	1	22.84	23.00	22.86					
100	QPSK	1	137	22.87	22.94	22.67	24.3	0.0			
100	QPSK	1	271	22.85	22.85	22.85					
100	QPSK	135	0	22.85	22.85	22.82	24.3	0.0			
100	QPSK	135	69	22.89	22.95	22.80	24.3	0.0			
100	QPSK	135	138	22.87	22.89	22.66	24.3	0.0			
100	QPSK	270	0	22.91	22.85	22.79					
100	16QAM	1	1	22.79	22.79	22.72	24.3	0.0			
100	64QAM	1	1	22.92	22.89	22.99	24.0	0.3			
100	256QAM	1	1	20.85	20.77	20.62	22.0	2.3			
Channel				510000	519598	529000					
Frequency (MHz)				2541	2592.99	2644.98					
90	QPSK	1	1	22.64	22.71	22.66	24.3	0.0			
Channel				507204	518598	529998					
Frequency (MHz)				2638.02	2692.99	2644.99					
80	QPSK	1	1	22.49	22.76	22.62	24.3	0.0			
Channel				506002	518598	531000					
Frequency (MHz)				2531.01	2592.99	2655					
70	QPSK	1	1	22.45	22.63	22.51	24.3	0.0			
Channel				505000	518598	531998					
Frequency (MHz)				2458	2592.99	2659.98					
60	QPSK	1	1	22.47	22.71	22.43	24.3	0.0			
Channel				504004	518598	532998					
Frequency (MHz)				2421.02	2592.99	2664.99					
50	QPSK	1	1	22.42	22.70	22.58	24.3	0.0			
Channel				503002	518598	534000					
Frequency (MHz)				2416.01	2592.99	2669					
40	QPSK	1	1	22.55	22.63	22.58	24.3	0.0			
Channel				502000	518598	534998					
Frequency (MHz)				2511	2592.99	2674.98					
30	QPSK	1	1	22.42	22.42	22.42	24.3	0.0			
Channel				501004	518598	535998					
Frequency (MHz)				2606.02	2592.99	2679.99					
20	QPSK	1	1	23.11	23.36	23.24	24.3	0.0			

n48 Part96 Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
Channel				638000	641666	645332				
Frequency (MHz)				3570	3624.99	3679.98				
40	PI2 BPSK	1	1	20.87	21.01	20.95				
40	PI2 BPSK	1	53	20.85	20.99	20.89	22.0	0.0		
40	PI2 BPSK	1	104	20.91	20.95	20.91				
40	PI2 BPSK	50	0	20.80	20.90	20.84	22.0	0.0		
40	PI2 BPSK	50	26	20.84	20.97	20.82	22.0	0.0		
40	PI2 BPSK	50	55	20.84	20.89	20.84	22.0	0.0		
40	PI2 BPSK	100	0	20.88	20.93	20.80				
40	QPSK	1	1	20.99	21.09	20.94				
40	QPSK	1	53	20.95	21.03	20.97	22.0	0.0		
40	QPSK	1	104	20.92	20.96	20.93				
40	QPSK	50	0	20.92	21.01	20.93	22.0	0.0		
40	QPSK	50	28	20.94	21.05	20.88	22.0	0.0		
40	QPSK	50	56	20.87	20.94	20.82	22.0	0.0		
40	QPSK	100	0	20.90	20.97	20.83				
40	16QAM	1	1	20.85	20.89	20.81	22.0	0.0		
40	64QAM	1	1	19.69	19.78	19.74	21.0	1.0		
40	256QAM	1	1	18.14	18.27	18.17	19.0	3.0		
Channel				637000	641666	646000				
Frequency (MHz)				3665.02	3694.99	3684.99				
30	QPSK	1	1	20.87	21.03	20.83	22.0	0.0		
Channel				637204	641666	646000				
Frequency (MHz)				3662.01	3624.99	3660				
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0		
Channel				637000	641666	646332				
Frequency (MHz)				3555	3624.99	3694.98				
10	QPSK	1	1	20.90	20.89	20.89	22.0	0.0		



Part270 n77 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.81	22.94	22.91		
100	Pl2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0
100	Pl2 BPSK	1	271	22.77	22.89	22.77		
100	Pl2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	Pl2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	Pl2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	Pl2 BPSK	270	0	22.82	22.92	22.81		
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.94	22.90	22.77		
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
40	QPSK	1	1	22.74	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
30	QPSK	1	1	22.71	22.98	22.93	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

Part270 n77 PC2 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.68	25.92	25.60		
100	Pl2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	Pl2 BPSK	1	271	25.88	26.07	26.03		
100	Pl2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	Pl2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	Pl2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	Pl2 BPSK	270	0	25.70	25.91	25.87		
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.84	26.02	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81		
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
30	QPSK	1	1	25.70	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
10	QPSK	1	1	25.77	25.98	25.96	27.0	0.0

Part270 n77 PC2 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	Pl2 BPSK	1	1	23.24				
100	Pl2 BPSK	1	137	23.32			24.0	0.0
100	Pl2 BPSK	1	271	23.26				
100	Pl2 BPSK	135	0	23.22			24.0	0.0
100	Pl2 BPSK	135	69	23.23			24.0	0.0
100	Pl2 BPSK	135	138	23.26			24.0	0.0
100	Pl2 BPSK	270	0	23.20				
100	QPSK	1	1	23.36				
100	QPSK	1	137	23.28			24.0	0.0
100	QPSK	1	271	23.24				
100	QPSK	135	0	23.24			24.0	0.0
100	QPSK	135	69	23.29			24.0	0.0
100	QPSK	135	138	23.24			24.0	0.0
100	QPSK	270	0	23.23				
100	16QAM	1	1	23.21			23.0	0.0
100	64QAM	1	1	22.32			23.0	1.0
100	256QAM	1	1	20.50			21.0	3.0
Channel								
Frequency (MHz)				633000	633554	633968		
90	QPSK	1	1	34.95	35.00	35.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633554	633968		
80	QPSK	1	1	34.95	35.00	35.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633554	633968		
80	QPSK	1	1	34.95	35.00	35.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633554	633968		
70	QPSK	1	1	34.95	35.00	35.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633554	633968		
60	QPSK	1	1	34.95	35.00	35.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633554	633968		
50	QPSK	1	1	34.95	35.00	35.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633554	633968		
40	QPSK	1	1	34.95	35.00	35.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633554	633968		
30	QPSK	1	1	34.95	35.00	35.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633554	633968		
20	QPSK	1	1	34.95	35.00	35.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633554	633968		
15	QPSK	1	1	34.95	35.00	35.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633554	633968		
10	QPSK	1	1	34.95	35.00	35.02	24.0	0.0



Part27Q n77 PC2 Ant 0

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	28.39	3000.01			
100	Pi/2 BPSK	1	137	28.39			27.0	0.0
100	Pi/2 BPSK	1	271	28.38				
100	Pi/2 BPSK	135	0	28.33			27.0	0.0
100	Pi/2 BPSK	135	69	28.29			27.0	0.0
100	Pi/2 BPSK	135	138	28.35			27.0	0.0
100	Pi/2 BPSK	270	0	28.38				
100	QPSK	1	1	28.46				
100	QPSK	1	137	28.36			27.0	0.0
100	QPSK	1	271	28.31				
100	QPSK	135	0	28.29			27.0	0.0
100	QPSK	135	69	28.35			27.0	0.0
100	QPSK	135	138	28.26			27.0	0.0
100	QPSK	270	0	28.40				
100	16QAM	1	1	28.29			27.0	0.0
100	64QAM	1	1	28.06			26.5	0.5
100	256QAM	1	1	24.11			24.5	2.5
Channel								
Frequency (MHz)								
				633000	633334	633668		
				3486	3000.01	3005.02		
90	QPSK	1	1	28.30	28.34	28.43	27.0	0.0
Channel								
				630068	633334	634000		
				3480.02	3000.01	3010		
80	QPSK	1	1	28.38	28.40	28.29	27.0	0.0
Channel								
				632334	633334	634334		
				3485.01	3000.01	3015.01		
70	QPSK	1	1	28.30	28.30	28.29	27.0	0.0
Channel								
				632000	633334	634668		
				3480	3000.01	3000.02		
60	QPSK	1	1	28.36	28.31	28.34	27.0	0.0
Channel								
				631000	633334	635000		
				3476.02	3000.01	3025		
50	QPSK	1	1	28.38	28.33	28.37	27.0	0.0
Channel								
				631334	633334	635334		
				3470.01	3000.01	3020.01		
40	QPSK	1	1	28.42	28.38	28.32	27.0	0.0
Channel								
				631000	633334	635668		
				3485	3000.01	3035.02		
30	QPSK	1	1	28.32	28.33	28.43	27.0	0.0
Channel								
				630568	633334	635900		
				3480.02	3000.01	3040		
20	QPSK	1	1	28.36	28.38	28.41	27.0	0.0
Channel								
				630000	633334	636168		
				3477.5	3000.01	3042.02		
15	QPSK	1	1	28.42	28.33	28.37	27.0	0.0
Channel								
				630334	633334	636334		
				3483.01	3000.01	3043.01		
10	QPSK	1	1	28.35	28.33	28.34	27.0	0.0



Part270 n78 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		22.0	2.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.75	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.52	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.83	22.73	22.72	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

Part270 n78 PC2 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.85	25.94	25.87	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.92	25.92	25.85	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	0.0

Part270 n78 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63334	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63368	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.15	23.19	23.25	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63368	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.24	23.27	23.16	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63368	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63334	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.15	23.25	24.0	0.0



Part27Q n78 PC2 Ant 0

BW [MHz]	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	26.24	3500.01			
100	PI2 BPSK	1	137	26.33			27.0	0.0
100	PI2 BPSK	1	271	26.28				
100	PI2 BPSK	135	0	26.22			27.0	0.0
100	PI2 BPSK	135	69	26.32			27.0	0.0
100	PI2 BPSK	135	138	26.27			27.0	0.0
100	PI2 BPSK	270	0	26.25				
100	QPSK	1	1	26.38				
100	QPSK	1	197	26.33			27.0	0.0
100	QPSK	1	271	26.22				
100	QPSK	135	0	26.30			27.0	0.0
100	QPSK	135	69	26.35			27.0	0.0
100	QPSK	135	138	26.32			27.0	0.0
100	QPSK	270	0	26.23				
100	16QAM	1	1	26.16			27.0	0.0
100	64QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.16			23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.16	26.26	26.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.24	26.24	26.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.22	26.29	26.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.20	26.26	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.26	26.29	26.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.18	26.23	26.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.24	26.34	26.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.22	26.27	26.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.18	26.35	26.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.25	26.32	26.27	27.0	0.0



n2 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1690			
20	PI2 BPSK	1	1	21.38	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.40	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.30	19.41	19.29	21.0	1.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
Frequency (MHz)				3710.0	3760.0	3810.0			
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
Frequency (MHz)				3705.0	3760.0	3815.0			
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

DS15_Stand

n5 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1668.0	1679.0	1676.0			
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	21.0	2.0	
Channel									
Frequency (MHz)				1620.0	1620.0	1620.0			
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)				1658.0	1670.0	1680.0			
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)				1663.0	1673.0	1683.0			
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 DSI5_ Standalone Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				5040.0	5070.0	5100.0			
40	PI2 BPSK	1	1	19.56	19.59	19.59			
40	PI2 BPSK	1	108	19.43	19.76	19.65	21.1	0.0	
40	PI2 BPSK	1	214	19.84	19.63	19.51			
40	PI2 BPSK	108	0	19.47	19.70	19.56	21.1	0.0	
40	PI2 BPSK	108	54	19.72	19.60	19.61	21.1	0.0	
40	PI2 BPSK	108	108	19.71	19.78	19.60	21.1	0.0	
40	PI2 BPSK	216	0	19.70	19.75	19.47			
40	QPSK	1	1	19.70	19.81	19.60			
40	QPSK	1	108	19.72	19.77	19.55	21.1	0.0	
40	QPSK	1	214	19.59	19.72	19.67			
40	QPSK	108	0	19.55	19.59	19.59	21.1	0.0	
40	QPSK	108	54	19.74	19.79	19.56	21.1	0.0	
40	QPSK	108	108	19.57	19.78	19.55	21.1	0.0	
40	QPSK	216	0	19.81	19.73	19.59			
40	16QAM	1	1	19.59	19.77	19.73	21.1	0.0	
40	64QAM	1	1	19.55	19.75	19.64	21.1	0.0	
40	256QAM	1	1	19.50	19.72	19.73	21.1	0.0	
Channel									
Frequency (MHz)				5200.0	5210.0	5190.0			
30	QPSK	1	1	19.57	19.57	19.37	21.1	0.0	
Channel									
Frequency (MHz)				5025.0	5070.0	5115.0			
25	QPSK	1	1	19.39	19.64	19.47	21.1	0.0	
Channel									
Frequency (MHz)				5020.0	5070.0	5120.0			
20	PI2 BPSK	1	1	19.55	19.54	19.47	21.1	0.0	
Channel									
Frequency (MHz)				5015.0	5070.0	5125.0			
15	QPSK	1	1	19.45	19.50	19.37	21.1	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	19.48	19.61	19.39	21.1	0.0	
Channel									
Frequency (MHz)				5005.0	5070.0	5130.0			
5	QPSK	1	1	19.50	19.51	19.41	21.1	0.0	



n12 Default Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				141300	141600	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	21.62	21.66	21.76		
15	PI2 BPSK	1	49	21.64	21.71	21.80	23.0	0.0
15	PI2 BPSK	1	77	21.49	21.59	21.46		
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0
15	PI2 BPSK	75	0	21.71	21.79	21.70		
15	QPSK	1	1	21.87	21.95	21.82		
15	QPSK	1	49	21.76	21.83	21.74	23.0	0.0
15	QPSK	1	77	21.70	21.79	21.67		
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0
15	QPSK	75	0	21.72	21.76	21.74		
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0
15	256QAM	1	1	19.33	19.41	19.29	23.0	3.0
Channel				142000	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711	(dBm)	(dB)
10	QPSK	1	1	21.82	21.88	21.69	23.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0

n13 Default Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				155900	156400	156900		
Frequency (MHz)				782	782	782		
10	PI2 BPSK	1	1	21.84	21.84	21.84		
10	PI2 BPSK	1	26	21.79	21.79	21.79	23.0	0.0
10	PI2 BPSK	1	50	21.72	21.72	21.72		
10	PI2 BPSK	25	0	20.93	20.93	20.93	22.5	0.5
10	PI2 BPSK	25	14	21.86	21.86	21.86	23.0	0.0
10	PI2 BPSK	25	27	21.76	21.76	21.76	22.5	0.5
10	PI2 BPSK	50	0	21.81	21.81	21.81		
10	QPSK	1	1	21.94	21.94	21.94		
10	QPSK	1	26	21.87	21.87	21.87	23.0	0.0
10	QPSK	1	50	21.83	21.83	21.83		
10	QPSK	25	0	20.89	20.89	20.89	22.0	1.0
10	QPSK	25	14	21.89	21.89	21.89	23.0	0.0
10	QPSK	25	27	21.13	21.13	21.13	22.0	1.0
10	QPSK	50	0	21.16	21.16	21.16		
10	16QAM	1	1	20.71	20.71	20.71	22.0	1.0
10	64QAM	1	1	19.53	19.53	19.53	20.5	2.5
10	256QAM	1	1	18.22	18.22	18.22	18.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5	(dBm)	(dB)
5	QPSK	1	1	21.80	21.87	21.81	23.0	0.0

n14 Default Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				158100	158600	159100		
Frequency (MHz)				793	793	793		
10	PI2 BPSK	1	1	21.98	21.98	21.98		
10	PI2 BPSK	1	26	21.90	21.90	21.90	23.0	0.0
10	PI2 BPSK	1	50	21.86	21.86	21.86		
10	PI2 BPSK	25	0	21.89	21.89	21.89	23.0	0.0
10	PI2 BPSK	25	14	21.95	21.95	21.95	23.0	0.0
10	PI2 BPSK	25	27	21.86	21.86	21.86	23.0	0.0
10	PI2 BPSK	50	0	21.93	21.93	21.93		
10	QPSK	1	1	22.04	22.04	22.04		
10	QPSK	1	26	22.01	22.01	22.01	23.0	0.0
10	QPSK	1	50	21.96	21.96	21.96		
10	QPSK	25	0	21.94	21.94	21.94	23.0	0.0
10	QPSK	25	14	21.99	21.99	21.99	23.0	0.0
10	QPSK	25	27	21.87	21.87	21.87	23.0	0.0
10	QPSK	50	0	21.94	21.94	21.94		
10	16QAM	1	1	21.88	21.88	21.88	23.0	0.0
10	64QAM	1	1	20.85	20.85	20.85	22.0	1.0
10	256QAM	1	1	19.09	19.09	19.09	20.0	3.0
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5	(dBm)	(dB)
5	QPSK	1	1	21.93	21.98	21.91	23.0	0.0



n25 Default Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
				1870	1882.5	1895		
40	PI2 BPSK	1	1	21.39	21.43	21.33		
40	PI2 BPSK	1	108	21.32	21.37	21.22	23.0	0.0
40	PI2 BPSK	1	214	21.34	21.40	21.28		
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0
40	PI2 BPSK	108	54	21.38	21.40	21.38	23.0	0.0
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0
40	PI2 BPSK	216	0	21.28	21.38	21.26		
40	QPSK	1	1	21.49	21.52	21.45		
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0
40	QPSK	1	214	21.30	21.42	21.34		
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0
40	QPSK	216	0	21.38	21.44	21.33		
40	16QAM	1	1	21.33	21.37	21.26	23.0	0.0
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0
40	256QAM	1	1	19.07	19.13	19.00	20.0	3.0
	Channel			37250	37650	38050	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1885	1882.5	1900		
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0
	Channel			37250	37650	38050	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1882.5	1882.5	1882.5		
25	QPSK	1	1	21.35	21.41	21.39	23.0	0.0
	Channel			37200	37650	38100	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1900	1892.5	1905		
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0
	Channel			37150	37650	38150	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1897.5	1882.5	1907.5		
15	QPSK	1	1	21.34	21.40	21.31	23.0	0.0
	Channel			37100	37650	38200	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1885	1882.5	1910		
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0
	Channel			37050	37650	38250	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1882.5	1882.5	1892.5		
5	QPSK	1	1	21.36	21.43	21.38	23.0	0.0

n26 Default Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
				824	831.5	839		
20	PI2 BPSK	1	1	22.07	22.11	22.02		
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0
20	PI2 BPSK	1	104	21.88	21.91	21.80		
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0
20	PI2 BPSK	50	26	21.94	22.08	21.94	23.0	0.0
20	PI2 BPSK	50	55	21.83	21.91	21.81	23.0	0.0
20	PI2 BPSK	100	0	21.92	22.01	21.95		
20	QPSK	1	1	22.03	22.15	22.04		
20	QPSK	1	53	21.99	22.10	22.07	23.0	0.0
20	QPSK	1	104	21.91	22.05	21.94		
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0
20	QPSK	50	56	21.92	21.99	21.93	23.0	0.0
20	QPSK	100	0	22.02	22.08	21.94		
20	16QAM	1	1	21.64	21.75	21.69	23.0	0.0
20	64QAM	1	1	20.96	21.11	21.08	22.0	1.0
20	256QAM	1	1	19.32	19.41	19.33	20.0	3.0
	Channel			16350	16650	16950	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			821.5	831.5	841.5		
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0
	Channel			16380	16650	16860	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			818	831.5	844		
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0
	Channel			16330	16650	16950	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			815	831.5	846.5		
5	QPSK	1	1	21.95	22.01	21.91	23.0	0.0



n30 DSI5_Standalone Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)							2310	
10	PI/2 BPSK	1	1	20.59				
10	PI/2 BPSK	1	26	20.30			22.0	0.0
10	PI/2 BPSK	1	50	20.22				
10	PI/2 BPSK	25	0	20.15			22.0	0.0
10	PI/2 BPSK	25	14	20.32			22.0	0.0
10	PI/2 BPSK	25	27	20.27			22.0	0.0
10	PI/2 BPSK	50	0	20.23			22.0	0.0
10	QPSK	1	1	20.47				
10	QPSK	1	26	20.38			22.0	0.0
10	QPSK	1	50	20.28				
10	QPSK	25	0	20.23			22.0	0.0
10	QPSK	25	14	20.32			22.0	0.0
10	QPSK	25	27	20.27			22.0	0.0
10	QPSK	50	0	20.22			22.0	0.0
10	16QAM	1	1	20.28			22.0	0.0
10	64QAM	1	1	20.23			22.0	0.0
10	256QAM	1	1	18.04			22.0	2.0
Channel							46190	46200
Frequency (MHz)							2307.5	2310
5	QPSK	1	1	20.13	20.15	20.11	22.0	0.0

n66 Default Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel							346000	349000
Frequency (MHz)							1730	1745
40	PI/2 BPSK	1	1	21.67	21.73	21.61		
40	PI/2 BPSK	1	108	21.49	21.61	21.55	23.0	0.0
40	PI/2 BPSK	1	214	21.58	21.63	21.60		
40	PI/2 BPSK	108	0	21.50	21.59	21.48	23.0	0.0
40	PI/2 BPSK	108	54	21.65	21.70	21.56	23.0	0.0
40	PI/2 BPSK	108	108	21.50	21.58	21.52	23.0	0.0
40	PI/2 BPSK	216	0	21.59	21.64	21.52		
40	QPSK	1	1	21.67	21.79	21.74		
40	QPSK	1	108	21.62	21.72	21.63	23.0	0.0
40	QPSK	1	214	21.57	21.67	21.54		
40	QPSK	108	0	21.57	21.62	21.57	23.0	0.0
40	QPSK	108	54	21.62	21.74	21.60	23.0	0.0
40	QPSK	108	108	21.60	21.68	21.55	23.0	0.0
40	QPSK	216	0	21.67	21.71	21.64		
40	16QAM	1	1	21.52	21.63	21.52	23.0	0.0
40	64QAM	1	1	20.92	20.97	20.93	22.0	1.0
40	256QAM	1	1	19.02	19.77	19.88	23.0	2.0
Channel							352000	349000
Frequency (MHz)							1725	1745
30	QPSK	1	1	21.64	21.70	21.60	23.0	0.0
Channel							345000	349000
Frequency (MHz)							1717.5	1745
15	QPSK	1	1	21.64	21.75	21.64	23.0	0.0
Channel							343000	349000
Frequency (MHz)							1715	1745
10	QPSK	1	1	21.60	21.73	21.62	23.0	0.0
Channel							352500	349000
Frequency (MHz)							1732.5	1745
5	QPSK	1	1	21.52	21.71	21.68	23.0	0.0

n70 Default Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel							342000	345000
Frequency (MHz)							1702.5	
15	PI/2 BPSK	1	1	21.50				
15	PI/2 BPSK	1	40	21.87			23.0	0.0
15	PI/2 BPSK	1	77	21.82				
15	PI/2 BPSK	36	0	21.34			22.5	0.5
15	PI/2 BPSK	36	22	21.86			23.0	0.0
15	PI/2 BPSK	36	43	21.26			22.5	0.5
15	PI/2 BPSK	75	0	21.32				
15	QPSK	1	1	21.95				
15	QPSK	1	40	21.83			23.0	0.0
15	QPSK	1	77	21.86				
15	QPSK	36	0	21.35			22.0	1.0
15	QPSK	36	22	21.88			23.0	0.0
15	QPSK	36	43	21.40			22.0	1.0
15	QPSK	75	0	21.32				
15	16QAM	1	1	21.34			22.0	1.0
15	64QAM	1	1	19.88			20.5	2.5
15	256QAM	1	1	17.92			18.5	4.5
Channel							345000	345000
Frequency (MHz)							1700	1702.5
10	QPSK	1	1	21.84	21.92	21.81	23.0	0.0
Channel							335000	345000
Frequency (MHz)							1697.5	1702.5
5	QPSK	1	1	21.81	21.88	21.83	23.0	0.0



n71 Default Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.07	22.18	22.14		
20	PI/2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI/2 BPSK	1	104	21.91	22.06	21.99		
20	PI/2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI/2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI/2 BPSK	50	56	22.03	22.07	21.98		
20	PI/2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.16	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	56	21.91	22.06	21.99		
20	QPSK	100	0	22.03	22.13	21.99	23.0	0.0
20	16QAM	1	1	21.96	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.99	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.49	19.42	23.0	3.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit	MPR
Frequency (MHz)				688	690.5	693	(dBm)	(dB)
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				690.5	691.5	692.5	(dBm)	(dB)
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 DS15_Standalone Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	22.05	22.09	22.00		
30	PI2 BPSK	1	40	21.91	22.04	22.01	22.7	0.0
30	PI2 BPSK	1	76	21.78	21.92	21.77		
30	PI2 BPSK	36	0	21.95	22.07	21.94	22.7	0.0
30	PI2 BPSK	36	21	21.99	22.04	21.91	22.7	0.0
30	PI2 BPSK	36	42	21.88	22.00	21.85	22.7	0.0
30	PI2 BPSK	75	0	21.98	22.03	21.98		
30	QPSK	1	1	22.06	22.18	22.12		
30	QPSK	1	40	21.95	22.07	21.98	22.7	0.0
30	QPSK	1	76	22.05	22.10	22.04		
30	QPSK	36	0	21.84	22.06	22.03	22.7	0.0
30	QPSK	36	21	22.02	22.11	22.05	22.7	0.0
30	QPSK	36	42	21.93	21.97	21.85	22.7	0.0
30	QPSK	75	0	21.98	22.03	22.01		
30	16QAM	1	1	21.91	22.04	21.92	22.7	0.0
30	64QAM	1	1	20.39	20.54	20.48	21.5	1.2
30	256QAM	1	1	18.74	18.83	18.63	18.5	1.2
Channel				515004	519000	521000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2582.52	2585	2607.48		
25	QPSK	1	1	21.93	22.14	22.08	22.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2584	2585	2610		
20	QPSK	1	1	21.94	22.04	22.02	22.7	0.0
Channel				515002	519000	524998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.95	22.00	21.89	22.7	0.0
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2575.02	2585	2614.98		
10	QPSK	1	1	21.93	22.12	22.00	22.7	0.0

n41 DS15_Standalone Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				509002	518998	528990		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.52	21.57	21.41		
100	PI2 BPSK	1	137	21.55	21.63	21.51	22.7	0.0
100	PI2 BPSK	1	271	21.48	21.60	21.47		
100	PI2 BPSK	135	0	21.55	21.64	21.54	22.5	0.2
100	PI2 BPSK	135	69	21.51	21.63	21.47	22.7	0.0
100	PI2 BPSK	135	138	21.38	21.51	21.42	22.5	0.2
100	PI2 BPSK	270	0	21.48	21.51	21.38		
100	QPSK	1	1	21.52	21.68	21.56		
100	QPSK	1	137	21.45	21.57	21.48	22.7	0.0
100	QPSK	1	271	21.59	21.52	21.48		
100	QPSK	135	0	21.38	21.54	21.49	22.0	0.7
100	QPSK	135	69	21.53	21.66	21.45	22.7	0.0
100	QPSK	135	138	21.45	21.58	21.45	22.0	0.7
100	QPSK	270	0	21.49	21.65	21.61		
100	16QAM	1	1	21.37	21.52	21.41	22.0	0.7
100	64QAM	1	1	19.88	19.92	19.85	20.5	2.2
100	256QAM	1	1	17.73	17.83	17.73	18.5	1.2
Channel				515000	518998	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.06	21.29	21.10	22.7	0.0
Channel				507004	518998	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2538.03	2592.99	2649.99		
80	QPSK	1	1	21.20	21.33	21.27	22.7	0.0
Channel				506002	518998	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.25	21.40	21.19	22.7	0.0
Channel				505000	518998	531998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2528	2592.99	2659.98		
60	QPSK	1	1	21.25	21.31	21.31	22.7	0.0
Channel				504004	518998	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.18	21.37	21.31	22.7	0.0
Channel				503002	518998	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.25	21.38	21.28	22.7	0.0
Channel				502000	518998	534998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.21	21.29	21.29	22.7	0.0
Channel				501004	518998	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.21	21.43	21.28	22.7	0.0



n41 PC2 DSI5_Standalone Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	529000			
Frequency (MHz)				2440.01	2592.99	2640			
100	PI2 BPSK	1	1	24.65	24.74	24.67			
100	PI2 BPSK	1	137	24.55	24.70	24.62	25.7	0.0	
100	PI2 BPSK	1	271	24.48	24.64	24.60			
100	PI2 BPSK	135	0	24.38	24.55	24.53	25.7	0.0	
100	PI2 BPSK	135	69	24.51	24.67	24.66	25.7	0.0	
100	PI2 BPSK	135	138	24.45	24.60	24.53			
100	PI2 BPSK	270	0	24.51	24.64	24.58	25.7	0.0	
100	QPSK	1	1	24.73	24.81	24.74			
100	QPSK	1	137	24.64	24.75	24.66	25.7	0.0	
100	QPSK	1	271	24.48	24.66	24.65			
100	QPSK	135	0	24.01	24.21	24.19	25.5	0.2	
100	QPSK	135	69	24.69	24.76	24.70	25.7	0.0	
100	QPSK	135	138	24.08	24.24	24.14	25.5	0.2	
100	QPSK	270	0	24.02	24.15	24.10			
100	16QAM	1	1	23.95	24.14	24.08	25.5	0.2	
100	64QAM	1	1	22.41	22.63	22.48	24.0	1.7	
100	256QAM	1	1	20.41	20.63	20.48	22.0	3.7	
Channel				510000	518598	529998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	24.27	24.46	24.25	25.7	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2638.02	2592.99	2644.99			
80	QPSK	1	1	24.19	24.46	24.32	25.7	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2695			
70	QPSK	1	1	24.26	24.35	24.34	25.7	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2458	2592.99	2659.98			
60	QPSK	1	1	24.29	24.42	24.29	25.7	0.0	
Channel				510000	518598	532000			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	24.17	24.35	24.20	25.7	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2416.01	2592.99	2690			
40	QPSK	1	1	24.21	24.39	24.30	25.7	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.42	24.35	24.27	25.7	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2606.02	2592.99	2679.99			
20	QPSK	1	1	24.16	24.46	24.29	25.7	0.0	

n48 Part96 Default Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	23.65	23.66	23.63			
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0	
40	PI2 BPSK	1	104	23.49	23.52	23.45			
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5	
40	PI2 BPSK	50	26	23.53	23.67	23.56	24.0	0.0	
40	PI2 BPSK	50	56	23.14	23.18	23.14	23.5	0.5	
40	PI2 BPSK	100	0	23.14	23.22	23.22			
40	QPSK	1	1	23.65	23.73	23.56			
40	QPSK	1	53	23.54	23.62	23.60	24.0	0.0	
40	QPSK	1	104	23.41	23.62	23.51			
40	QPSK	50	0	22.85	22.82	22.64	23.0	1.0	
40	QPSK	50	28	23.80	23.70	23.47	24.0	0.0	
40	QPSK	50	56	22.57	22.69	22.64	23.0	1.0	
40	QPSK	100	0	22.63	22.62	22.71			
40	16QAM	1	1	22.56	22.67	22.58	23.0	1.0	
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5	
40	256QAM	1	1	19.17	19.25	19.25	19.5	4.5	
Channel				#REF!	#REF!	#REF!			
Frequency (MHz)				#REF!	#REF!	#REF!			
30	QPSK	1	1	23.16	23.22	23.03	#REF!	0.0	
Channel				#REF!	#REF!	#REF!			
Frequency (MHz)				#REF!	#REF!	#REF!			
20	QPSK	1	1	23.16	23.19	23.05	#REF!	0.0	
Channel				#REF!	#REF!	#REF!			
Frequency (MHz)				#REF!	#REF!	#REF!			
10	QPSK	1	1	23.16	23.25	23.05	#REF!	0.0	



Part270 n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000		
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	654834		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000		
10	QPSK	1	1	3705	3840	3975		
Channel								
Frequency (MHz)				3705	3840	3975		

Part270 n77 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.64	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.63	25.70	25.66	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				649334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	653000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	653334		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	654000		
40	QPSK	1	1	25.79	25.80	25.67	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.68	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	654834		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000		
10	QPSK	1	1	3705	3840	3975		
Channel								
Frequency (MHz)				3705	3840	3975		

Part270Q n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	Pl2 BPSK	1	1			22.41		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			22.88	23.5	0.5
100	Pl2 BPSK	135	69			23.08	24.0	0.0
100	Pl2 BPSK	135	138			22.81	23.5	0.5
100	Pl2 BPSK	270	0			22.74		
100	QPSK	1	1			23.45		
100	QPSK	1	137			23.30	24.0	0.0
100	QPSK	1	271			23.35		
100	QPSK	135	0			23.43	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.56	23.0	1.0
100	QPSK	270	0			22.53		
100	16QAM	1	1			22.15	21.5	2.5
100	64QAM	1	1			20.84	19.5	4.5
100	256QAM	1	1			18.96	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.29	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.01		
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



Part27Q n77 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		26.54			
100	PI2 BPSK	1	271		26.32		27.0	0.0
100	PI2 BPSK	135	0		26.51			
100	PI2 BPSK	135	69		26.34		27.0	0.0
100	PI2 BPSK	135	138		26.44		27.0	0.0
100	PI2 BPSK	270	0		26.18		27.0	0.0
100	PI2 BPSK	270	0		26.27			
100	QPSK	1	1		26.00			
100	QPSK	1	137		26.36		27.0	0.0
100	QPSK	1	271		26.35			
100	QPSK	135	0		26.58		26.5	0.5
100	QPSK	135	69		26.42		27.0	0.0
100	QPSK	135	138		25.90		26.5	0.5
100	QPSK	270	0		26.15		26.5	0.5
100	16QAM	1	1		26.02		26.5	0.5
100	64QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
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	26.47	26.46	26.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	26.48	26.58	26.53	27.0	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	26.50	26.51	26.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	26.56	26.47	26.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	26.48	26.45	26.43	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.54	26.51	26.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	26.56	26.52	26.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	26.58	26.57	26.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	633168	Tune-up limit (dBm)	MPR (dB)
				3451.5	3500.01	3542.50		
15	QPSK	1	1	26.57	26.58	26.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	26.50	26.45	26.55	27.0	0.0



Part270 n78 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.90				
100	PI2 BPSK	1	137		22.85		24.0	0.0	
100	PI2 BPSK	1	271		22.81				
100	PI2 BPSK	135	0		22.33		23.5	0.5	
100	PI2 BPSK	135	69		22.86		24.0	0.0	
100	PI2 BPSK	135	138		22.32		23.5	0.5	
100	PI2 BPSK	270	0		22.40				
100	QPSK	1	1		22.91		24.0	0.0	
100	QPSK	1	137		22.82				
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.05		23.0	1.0	
100	QPSK	135	69		22.82		24.0	0.0	
100	QPSK	135	138		21.90		23.0	1.0	
100	QPSK	270	0		21.93				
100	16QAM	1	1		21.71		21.5	2.5	
100	64QAM	1	1		20.36		19.5	4.5	
100	256QAM	1	1		18.03		17.5	4.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit	MPR	
Channel				3745.02	3750	3765.01	(dBm)	(dB)	
90	QPSK	1	1		22.77	22.87	22.86	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit	MPR	
Channel				3749.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		22.88	22.85	22.86	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit	MPR	
Channel				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		22.83	22.80	22.82	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit	MPR	
Channel				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		22.87	22.78	22.86	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65168	Tune-up limit	MPR	
Channel				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		22.77	22.77	22.87	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65200	Tune-up limit	MPR	
Channel				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		22.84	22.80	22.77	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65234	Tune-up limit	MPR	
Channel				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		22.58	22.78	22.76	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65268	Tune-up limit	MPR	
Channel				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		22.80	22.84	22.85	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit	MPR	
Channel				3707.50	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		22.77	22.79	22.84	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit	MPR	
Channel				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		22.90	22.75	22.86	24.0	0.0

Part270 n78 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.90				
100	PI2 BPSK	1	137		25.74		27.0	0.0	
100	PI2 BPSK	1	271		25.70				
100	PI2 BPSK	135	0		25.79		27.0	0.0	
100	PI2 BPSK	135	69		25.87		27.0	0.0	
100	PI2 BPSK	135	138		25.75		27.0	0.0	
100	PI2 BPSK	270	0		25.78				
100	QPSK	1	1		25.94		27.0	0.0	
100	QPSK	1	137		25.86				
100	QPSK	1	271		25.89				
100	QPSK	135	0		25.64		26.5	0.5	
100	QPSK	135	69		25.88		27.0	0.0	
100	QPSK	135	138		25.40		26.5	0.5	
100	QPSK	270	0		25.92				
100	16QAM	1	1		25.40		25.0	0.5	
100	64QAM	1	1		23.91		23.0	2.0	
100	256QAM	1	1		22.07		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit	MPR	
Channel				3745.02	3750	3765.01	(dBm)	(dB)	
90	QPSK	1	1		25.88	25.80	25.82	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit	MPR	
Channel				3749.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		25.91	25.90	25.91	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit	MPR	
Channel				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		25.88	25.79	25.82	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit	MPR	
Channel				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		25.85	25.80	25.78	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65168	Tune-up limit	MPR	
Channel				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		25.77	25.78	25.84	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65200	Tune-up limit	MPR	
Channel				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		25.80	25.80	25.79	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65234	Tune-up limit	MPR	
Channel				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		25.34	25.78	25.85	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65268	Tune-up limit	MPR	
Channel				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		25.86	25.89	25.78	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit	MPR	
Channel				3707.50	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		25.77	25.91	25.88	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit	MPR	
Channel				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		25.83	25.87	25.87	27.0	0.0

Part270 n78 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		23.30				
100	PI2 BPSK	1	137		23.29		24.0	0.0	
100	PI2 BPSK	1	271		23.46				
100	PI2 BPSK	135	0		23.09		23.5	0.5	
100	PI2 BPSK	135	69		23.33		24.0	0.0	
100	PI2 BPSK	135	138		22.99		23.5	0.5	
100	PI2 BPSK	270	0		23.12				
100	QPSK	1	1		23.41				
100	QPSK	1	137		23.19		24.0	0.0	
100	QPSK	1	271		23.35				
100	QPSK	135	0		22.71		23.0	1.0	
100	QPSK	135	69		23.40		24.0	0.0	
100	QPSK	135	138		22.81		23.0	1.0	
100	QPSK	270	0		22.96				
100	16QAM	1	1		22.37		21.5	2.5	
100	64QAM	1	1		21.25		19.5	4.5	
100	256QAM	1	1		18.31		17.5	4.5	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit	MPR	
Channel				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		23.37	23.29	23.28	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63400	Tune-up limit	MPR	
Channel				3495.02	3500.01	3505	(dBm)	(dB)	
80	QPSK	1	1		23.28	23.34	23.28	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit	MPR	
Channel				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		23.34	23.39	23.25	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit	MPR	
Channel				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		23.32	23.34	23.39	24.0	0.0
Channel									
Frequency (MHz)				63168	63334	63500	Tune-up limit	MPR	
Channel				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		23.35	23.33	23.32	24.0	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit	MPR	
Channel				3480.01	3500.01	3520.01	(dBm)	(dB)	
40	QPSK	1	1		23.27	23.26	23.39	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit	MPR	
Channel				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		23.25	23.34	23.24	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63500	Tune-up limit	MPR	
Channel				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		23.33	23.34	23.28	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63600	Tune-up limit	MPR	
Channel				3457.5	3500.01	3542.50	(dBm)	(dB)	
15	QPSK	1	1		23.28	23.31	23.26	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit	MPR	
Channel				3462.01	3500.01	3542.01	(dBm)	(dB)	
10	QPSK	1	1		23.25	23.25	23.25	24.0	0.0



Part27Q n78 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel					3000.01			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.43				
100	PI2 BPSK	1	137	28.12			27.0	0.0
100	PI2 BPSK	1	271	28.39				
100	PI2 BPSK	135	0	28.23			27.0	0.0
100	PI2 BPSK	135	69	28.60			27.0	0.0
100	PI2 BPSK	135	138	28.12			27.0	0.0
100	PI2 BPSK	270	0	25.98				
100	QPSK	1	1	28.51				
100	QPSK	1	137	28.27			27.0	0.0
100	QPSK	1	271	28.40				
100	QPSK	135	0	25.81			26.5	0.5
100	QPSK	135	69	28.30			27.0	0.0
100	QPSK	135	138	28.89			26.5	0.5
100	QPSK	270	0	25.55				
100	16QAM	1	1	25.76			26.5	0.5
100	64QAM	1	1	24.17			25.0	2.0
100	256QAM	1	1	22.12			23.0	4.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	28.47	28.36	28.41	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3500.01	3520		
80	QPSK	1	1	28.41	28.40	28.45	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	28.47	28.47	28.37	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	28.35	28.37	28.47	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	28.49	28.48	28.48	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3520.01	3528.01		
40	QPSK	1	1	28.41	28.43	28.47	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	28.38	28.47	28.42	27.0	0.0
Channel				630568	633334	635900		
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	28.47	28.44	28.41	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475.01	3500.01	3542.02		
15	QPSK	1	1	28.45	28.49	28.47	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3500.01	3543.01		
10	QPSK	1	1	28.36	28.47	28.43	27.0	0.0



n2 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1600	1680	1800			
20	PI2 BPSK	1	1	21.50	21.62	21.58			
20	PI2 BPSK	1	53	21.45	21.58	21.44	23.0	0.0	
20	PI2 BPSK	1	104	21.46	21.50	21.35			
20	PI2 BPSK	50	0	21.40	21.44	21.31	23.0	0.0	
20	PI2 BPSK	50	28	21.42	21.54	21.42	23.0	0.0	
20	PI2 BPSK	50	56	21.44	21.49	21.44	23.0	0.0	
20	PI2 BPSK	100	0	21.46	21.51	21.39	23.0	0.0	
20	QPSK	1	1	21.54	21.66	21.57			
20	QPSK	1	53	21.61	21.64	21.54	23.0	0.0	
20	QPSK	1	104	21.68	21.55	21.63			
20	QPSK	50	0	21.50	21.59	21.46	23.0	0.0	
20	QPSK	50	28	21.51	21.61	21.49	23.0	0.0	
20	QPSK	50	56	21.39	21.52	21.49	23.0	0.0	
20	QPSK	100	0	21.46	21.55	21.44	23.0	0.0	
20	16QAM	1	1	21.33	21.46	21.32	23.0	0.0	
20	64QAM	1	1	20.63	20.70	20.57	22.0	1.0	
20	256QAM	1	1	18.54	18.01	18.48	23.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.49	21.61	21.51	23.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	21.40	21.60	21.53	23.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	21.43	21.58	21.54	23.0	0.0	

DS15_Stand

n5 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167900	167600			
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38	24.0	0.0	
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0	
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	23.0	1.0	
Channel									
Frequency (MHz)				163910	163910	163910			
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
Frequency (MHz)				165800	167900	168000			
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166300	167900	169300			
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DSI5_ Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506000	507000	510000			
40	PI2 BPSK	1	1	17.38	17.50	17.38			
40	PI2 BPSK	1	108	17.40	17.46	17.35	18.5	0.0	
40	PI2 BPSK	1	214	17.38	17.43	17.35			
40	PI2 BPSK	108	0	17.31	17.39	17.31	18.5	0.0	
40	PI2 BPSK	108	54	17.33	17.47	17.40	18.5	0.0	
40	PI2 BPSK	108	108	17.47	17.50	17.48	18.5	0.0	
40	PI2 BPSK	216	0	17.40	17.46	17.32			
40	QPSK	1	1	17.50	17.55	17.41			
40	QPSK	1	108	17.34	17.48	17.33	18.5	0.0	
40	QPSK	1	214	17.42	17.48	17.40			
40	QPSK	108	0	17.41	17.51	17.35	18.5	0.0	
40	QPSK	108	54	17.45	17.53	17.40	18.5	0.0	
40	QPSK	108	108	17.25	17.39	17.30	18.5	0.0	
40	QPSK	216	0	17.47	17.49	17.46			
40	16QAM	1	1	17.41	17.49	17.46	18.5	0.0	
40	64QAM	1	1	17.28	17.42	17.34	18.5	0.0	
40	256QAM	1	1	17.26	17.36	17.22	18.5	0.0	
Channel									
Frequency (MHz)				520100	521000	519100			
30	QPSK	1	1	17.24	17.37	17.17	18.5	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	17.23	17.27	17.26	18.5	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	17.34	17.34	17.15	18.5	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	17.28	17.30	17.23	18.5	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	17.22	17.28	17.22	18.5	0.0	
Channel									
Frequency (MHz)				500500	507000	513000			
5	QPSK	1	1	17.28	17.29	17.16	18.5	0.0	



n25 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	21.48	21.53	21.44	23.0	0.0	
40	PI/2 BPSK	1	108	21.32	21.41	21.36	23.0	0.0	
40	PI/2 BPSK	1	214	21.32	21.43	21.34	23.0	0.0	
40	PI/2 BPSK	108	0	21.42	21.52	21.45	23.0	0.0	
40	PI/2 BPSK	108	54	21.39	21.46	21.43	23.0	0.0	
40	PI/2 BPSK	108	108	21.38	21.45	21.39	23.0	0.0	
40	PI/2 BPSK	216	0	21.33	21.41	21.28	23.0	0.0	
40	QPSK	1	1	21.62	21.66	21.57	23.0	0.0	
40	QPSK	1	108	21.43	21.54	21.49	23.0	0.0	
40	QPSK	1	214	21.41	21.48	21.40	23.0	0.0	
40	QPSK	108	0	21.48	21.55	21.47	23.0	0.0	
40	QPSK	108	54	21.53	21.58	21.48	23.0	0.0	
40	QPSK	108	108	21.38	21.46	21.39	23.0	0.0	
40	QPSK	216	0	21.47	21.51	21.43	23.0	0.0	
40	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
40	64QAM	1	1	20.43	20.47	20.35	22.0	1.0	
40	256QAM	1	1	18.58	18.67	18.68	22.0	3.0	
Channel									
Frequency (MHz)				1885	1892.5	1900	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.50	21.52	21.45	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.55	21.61	21.47	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.53	21.58	21.44	23.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.56	21.62	21.49	23.0	0.0	
Channel									
Frequency (MHz)				1885	1892.5	1910	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.55	21.57	21.53	23.0	0.0	
Channel									
Frequency (MHz)				370500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.48	21.56	21.52	23.0	0.0	

n30 DSI5_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2310					
10	PI/2 BPSK	1	1	17.65			19.1	0.0	
10	PI/2 BPSK	1	26	17.77			19.1	0.0	
10	PI/2 BPSK	1	50	17.86			19.1	0.0	
10	PI/2 BPSK	25	0	17.79			19.1	0.0	
10	PI/2 BPSK	25	14	17.82			19.1	0.0	
10	PI/2 BPSK	25	27	17.74			19.1	0.0	
10	PI/2 BPSK	50	0	17.82			19.1	0.0	
10	QPSK	1	1	17.73			19.1	0.0	
10	QPSK	1	26	17.78			19.1	0.0	
10	QPSK	1	50	17.76			19.1	0.0	
10	QPSK	25	0	17.77			19.1	0.0	
10	QPSK	25	14	17.82			19.1	0.0	
10	QPSK	25	27	17.74			19.1	0.0	
10	QPSK	50	0	17.84			19.1	0.0	
10	16QAM	1	1	17.79			19.1	0.0	
10	64QAM	1	1	17.82			19.1	0.0	
10	256QAM	1	1	17.73			19.1	0.0	
Channel									
Frequency (MHz)				461900	462000	462500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	17.66	17.71	17.88	19.1	0.0	

n66 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.01	22.11	22.07	23.0	0.0	
40	PI/2 BPSK	1	108	21.97	22.07	21.94	23.0	0.0	
40	PI/2 BPSK	1	214	21.90	21.96	21.82	23.0	0.0	
40	PI/2 BPSK	108	0	21.77	21.90	21.86	23.0	0.0	
40	PI/2 BPSK	108	54	21.94	22.05	22.01	23.0	0.0	
40	PI/2 BPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	PI/2 BPSK	216	0	21.84	21.95	21.83	23.0	0.0	
40	QPSK	1	1	22.06	22.18	22.01	23.0	0.0	
40	QPSK	1	108	22.05	22.12	22.06	23.0	0.0	
40	QPSK	1	214	22.02	22.07	22.00	23.0	0.0	
40	QPSK	108	0	21.81	21.93	21.83	23.0	0.0	
40	QPSK	108	54	21.95	21.99	21.86	23.0	0.0	
40	QPSK	108	108	21.87	21.93	21.80	23.0	0.0	
40	QPSK	216	0	21.92	21.98	21.82	23.0	0.0	
40	16QAM	1	1	21.88	21.91	21.78	22.0	1.0	
40	64QAM	1	1	20.61	20.73	20.66	22.0	1.0	
40	256QAM	1	1	18.34	18.49	18.38	20.0	3.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.96	22.14	21.87	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.99	22.10	21.90	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.00	22.05	21.93	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.96	22.07	21.86	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	355500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.01	22.04	21.91	23.0	0.0	



n70 Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq.	Power Middle Ch. F. Freq.	Power High Ch. F. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					1702.5			
15	PI2 BPSK	1	1		22.08			
15	PI2 BPSK	1	40		21.95		23.0	0.0
15	PI2 BPSK	1	77		21.40			
15	PI2 BPSK	36	0		22.03		22.5	0.5
15	PI2 BPSK	36	22		22.06		23.0	0.0
15	PI2 BPSK	36	43		21.38			
15	PI2 BPSK	75	0		21.45		22.5	0.5
15	QPSK	1	1		22.11			
15	QPSK	1	40		22.06		23.0	0.0
15	QPSK	1	77		22.07			
15	QPSK	36	0		21.06		22.0	1.0
15	QPSK	36	22		22.07		23.0	0.0
15	QPSK	36	43		20.96		22.0	1.0
15	QPSK	75	0		21.14			
15	16QAM	1	1		21.18		22.0	1.0
15	16QAM	1	1		19.76		20.5	2.5
15	256QAM	1	1		17.67		18.5	4.5
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	21.98	22.04	21.97	23.0	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 DS15_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2583.01	2595	2604.99		
30	PI2 BPSK	1	1	16.96	17.02	16.91		
30	PI2 BPSK	1	40	16.83	16.96	16.88	18.3	0.0
30	PI2 BPSK	1	76	16.76	16.91	16.84		
30	PI2 BPSK	36	0	16.90	16.97	16.90	18.3	0.0
30	PI2 BPSK	36	21	16.96	17.00	16.90	18.3	0.0
30	PI2 BPSK	36	42	16.96	16.94	16.87	18.3	0.0
30	PI2 BPSK	75	0	16.85	16.98	16.94		
30	QPSK	1	1	17.02	17.06	16.93		
30	QPSK	1	40	16.94	16.96	16.91	18.3	0.0
30	QPSK	1	76	16.85	16.92	16.86		
30	QPSK	36	0	16.80	16.91	16.87	18.3	0.0
30	QPSK	36	21	16.85	16.99	16.91	18.3	0.0
30	QPSK	36	42	16.76	16.88	16.82	18.3	0.0
30	QPSK	75	0	16.76	16.94	16.84		
30	16QAM	1	1	16.87	16.76	16.66	18.3	0.0
30	64QAM	1	1	16.58	16.55	16.63	18.3	0.0
30	256QAM	1	1	16.96	16.67	16.62	18.3	0.0
Channel				515004	519000	521006	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	16.62	16.65	16.69	18.3	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2584	2595	2610		
20	QPSK	1	1	16.64	16.76	16.56	18.3	0.0
Channel				515002	519000	522006	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	16.64	16.81	16.59	18.3	0.0
Channel				515004	519000	522006	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2576.02	2595	2614.98		
10	QPSK	1	1	16.64	16.73	16.59	18.3	0.0

n41 DS15_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518698	520696		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	16.91	17.00	16.86		
100	PI2 BPSK	1	137	16.82	16.96	16.84	18.3	0.0
100	PI2 BPSK	1	271	16.96	17.02	16.95		
100	PI2 BPSK	135	0	16.81	16.89	16.83	18.3	0.0
100	PI2 BPSK	135	69	16.98	16.97	16.83	18.3	0.0
100	PI2 BPSK	135	138	16.84	16.93	16.78	18.3	0.0
100	PI2 BPSK	270	0	16.82	16.95	16.87		
100	QPSK	1	1	17.04	17.07	16.99		
100	QPSK	1	137	16.94	17.01	16.87	18.3	0.0
100	QPSK	1	271	16.97	17.03	16.97		
100	QPSK	135	0	16.78	16.86	16.82	18.3	0.0
100	QPSK	135	69	16.99	17.02	16.90	18.3	0.0
100	QPSK	135	138	16.84	16.94	16.92	18.3	0.0
100	QPSK	270	0	16.76	16.93	16.78		
100	16QAM	1	1	16.87	17.00	16.86	18.3	0.0
100	64QAM	1	1	16.77	16.94	16.89	18.3	0.0
100	256QAM	1	1	16.75	16.81	16.77	18.3	0.0
Channel				515000	518698	520696	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.76	16.79	16.71	18.3	0.0
Channel				507204	518698	520698	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	16.80	16.84	16.80	18.3	0.0
Channel				506002	518698	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2692.99	2665		
70	QPSK	1	1	16.85	16.84	16.70	18.3	0.0
Channel				505000	518698	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2692.99	2669.98		
60	QPSK	1	1	16.81	16.76	16.73	18.3	0.0
Channel				505004	518698	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2692.99	2664.99		
50	QPSK	1	1	16.80	16.82	16.69	18.3	0.0
Channel				503002	518698	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616.01	2692.99	2660		
40	QPSK	1	1	16.82	16.77	16.72	18.3	0.0
Channel				502000	518698	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2692.99	2674.98		
30	QPSK	1	1	16.73	16.70	16.60	18.3	0.0
Channel				501004	518698	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2606.02	2692.99	2678.99		
20	QPSK	1	1	16.71	16.80	16.78	18.3	0.0



n41 PC2 DSI5_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	19.92	20.04	19.82			
100	PI2 BPSK	1	137	19.93	19.93	19.81	21.3	0.0	
100	PI2 BPSK	1	271	19.89	19.97	19.83			
100	PI2 BPSK	135	0	19.85	19.79	19.87	21.3	0.0	
100	PI2 BPSK	135	69	19.97	20.00	19.85	21.3	0.0	
100	PI2 BPSK	135	138	19.90	19.88	19.85	21.3	0.0	
100	PI2 BPSK	270	0	19.85	19.95	19.83			
100	QPSK	1	1	20.05	20.10	19.97			
100	QPSK	1	137	19.72	19.85	19.78	21.3	0.0	
100	QPSK	1	271	19.95	19.95	19.85			
100	QPSK	135	0	19.34	19.48	19.40	21.3	0.0	
100	QPSK	135	69	19.89	19.99	19.93	21.3	0.0	
100	QPSK	135	138	19.35	19.40	19.32	21.3	0.0	
100	QPSK	270	0	19.33	19.45	19.37			
100	16QAM	1	1	19.48	19.53	19.41	21.3	0.0	
100	64QAM	1	1	19.31	19.35	19.40	21.3	0.0	
100	256QAM	1	1	19.40	19.30	19.32	21.3	0.0	
Channel				510000	519598	529000			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	19.38	19.36	19.32	21.3	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2638.02	2692.99	2648.99			
80	QPSK	1	1	19.33	19.39	19.41	21.3	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2631.01	2692.99	2695			
70	QPSK	1	1	19.31	19.43	19.44	21.3	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2628	2692.99	2699.98			
60	QPSK	1	1	19.36	19.45	19.45	21.3	0.0	
Channel				504004	518598	532998			
Frequency (MHz)				2621.02	2692.99	2694.99			
50	QPSK	1	1	19.33	19.52	19.39	21.3	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2616.01	2692.99	2693			
40	QPSK	1	1	19.37	19.40	19.40	21.3	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2611	2692.99	2674.98			
30	QPSK	1	1	19.42	19.30	19.31	21.3	0.0	
Channel				501004	518598	535998			
Frequency (MHz)				2606.02	2692.99	2679.99			
20	QPSK	1	1	19.31	19.35	19.42	21.3	0.0	

n48 Part96 DSI5_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	20.29	20.49	20.38			
40	PI2 BPSK	1	53	20.36	20.45	20.35	21.8	0.0	
40	PI2 BPSK	1	104	20.28	20.41	20.29			
40	PI2 BPSK	50	0	20.20	20.39	20.33	21.8	0.0	
40	PI2 BPSK	50	26	20.38	20.48	20.37	21.8	0.0	
40	PI2 BPSK	50	55	20.40	20.55	20.37	21.8	0.0	
40	PI2 BPSK	100	0	20.33	20.48	20.41			
40	QPSK	1	1	20.49	20.61	20.50			
40	QPSK	1	53	20.51	20.49	20.35	21.8	0.0	
40	QPSK	1	104	20.45	20.50	20.38			
40	QPSK	50	0	20.42	20.41	20.38	21.8	0.0	
40	QPSK	50	28	20.38	20.56	20.45	21.8	0.0	
40	QPSK	50	56	20.38	20.48	20.35	21.8	0.0	
40	QPSK	100	0	20.29	20.37	20.34			
40	16QAM	1	1	20.59	20.51	20.45	21.8	0.0	
40	64QAM	1	1	20.43	20.44	20.27	21.5	0.3	
40	256QAM	1	1	18.11	18.03	18.09	18.5	2.3	
Channel				637000	641666	646000			
Frequency (MHz)				3665.02	3694.99	3684.99			
30	QPSK	1	1	20.45	20.58	20.44	21.8	0.0	
Channel				637000	641666	646000			
Frequency (MHz)				3660.01	3624.99	3660			
20	QPSK	1	1	20.39	20.55	20.44	21.8	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	20.44	20.58	20.43	21.8	0.0	



Part270 n77 DS15_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.52	19.53	19.76		
100	PI2 BPSK	1	137	19.86	20.00	19.86	21.4	0.0
100	PI2 BPSK	1	271	19.97	20.06	19.85		
100	PI2 BPSK	135	0	19.90	20.02	19.83	21.4	0.0
100	PI2 BPSK	135	69	19.85	20.00	19.82		
100	PI2 BPSK	135	138	19.85	19.99	19.96	21.4	0.0
100	PI2 BPSK	270	0	19.85	20.05	19.85		
100	QPSK	1	1	19.93	20.25	20.04		
100	QPSK	1	137	19.94	19.96	19.89	21.4	0.0
100	QPSK	1	271	19.97	19.99	19.91		
100	QPSK	135	0	19.81	19.92	19.92	21.4	0.0
100	QPSK	135	69	19.98	20.09	19.89		
100	QPSK	135	138	19.79	19.96	19.88	21.4	0.0
100	QPSK	270	0	19.96	20.00	19.95		
100	16QAM	1	1	19.86	19.98	19.87	21.4	0.0
100	64QAM	1	1	19.49	19.58	19.54	21.4	0.0
100	256QAM	1	1	17.64	17.72	17.77	19.8	1.9
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.91	20.17	20.01	21.4	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	19.84	20.20	19.95	21.4	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				648968	650000	650334		
60	QPSK	1	1	19.87	20.17	19.95	21.4	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.88	20.16	19.98	21.4	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	19.87	20.21	19.99	21.4	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	19.35	20.18	19.99	21.4	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.83	20.21	20.01	21.4	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	19.88	20.17	19.96	21.4	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.90	20.21	20.00	21.4	0.0

Part270 n77 PC2 DS15_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	23.04	23.11	23.10		
100	PI2 BPSK	1	137	22.89	23.03	23.04	24.4	0.0
100	PI2 BPSK	1	271	22.93	23.15	23.08		
100	PI2 BPSK	135	0	23.11	23.11	23.06	24.4	0.0
100	PI2 BPSK	135	69	22.97	23.07	23.02		
100	PI2 BPSK	135	138	22.96	23.06	22.94	24.4	0.0
100	PI2 BPSK	270	0	22.98	23.01	22.97		
100	QPSK	1	1	23.05	23.38	23.17		
100	QPSK	1	137	23.06	23.19	23.11	24.4	0.0
100	QPSK	1	271	22.94	23.17	23.06		
100	QPSK	135	0	22.96	23.06	22.97	24.4	0.0
100	QPSK	135	69	23.06	23.15	23.09		
100	QPSK	135	138	22.91	23.09	22.96	24.4	0.0
100	QPSK	270	0	22.96	23.15	23.04		
100	16QAM	1	1	22.98	23.12	22.94	24.4	0.0
100	64QAM	1	1	22.98	23.01	22.89	24.4	0.0
100	256QAM	1	1	21.38	21.47	21.40	23.0	1.4
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.02	23.34	23.15	24.4	0.0
Channel								
Frequency (MHz)				649334	650000	652668		
80	QPSK	1	1	22.95	23.32	23.11	24.4	0.0
Channel								
Frequency (MHz)				649000	650000	653000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				648968	650000	653334		
60	QPSK	1	1	22.96	23.29	23.14	24.4	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.99	23.32	23.10	24.4	0.0
Channel								
Frequency (MHz)				648000	650000	654000		
40	QPSK	1	1	23.02	23.33	23.14	24.4	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	22.97	23.34	23.14	24.4	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.95	23.29	23.14	24.4	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	22.99	23.33	23.14	24.4	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.96	23.29	23.10	24.4	0.0

Part27Q n77 DS15_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			20.14		
100	PI2 BPSK	1	137			20.08	21.4	0.0
100	PI2 BPSK	1	271			20.08		
100	PI2 BPSK	135	0			20.04	21.4	0.0
100	PI2 BPSK	135	69			20.16		
100	PI2 BPSK	135	138			20.06	21.4	0.0
100	PI2 BPSK	270	0			20.02		
100	QPSK	1	1			20.36		
100	QPSK	1	137			20.05	21.4	0.0
100	QPSK	1	271			20.14		
100	QPSK	135	0			20.08	21.4	0.0
100	QPSK	135	69			20.33		
100	QPSK	135	138			20.14	21.4	0.0
100	QPSK	270	0			20.03		
100	16QAM	1	1			20.17	21.4	0.0
100	64QAM	1	1			19.71	21.4	0.0
100	256QAM	1	1			17.77	19.8	1.9
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	19.93	19.95	20.01	21.4	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	19.96	19.99	20.04	21.4	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	20.01	19.99	20.00	21.4	0.0
Channel								
Frequency (MHz)				632000	633334	633668		
60	QPSK	1	1	19.96	19.97	20.04	21.4	0.0
Channel								
Frequency (MHz)				631668	632334	633000		
50	QPSK	1	1	19.99	19.96	19.97	21.4	0.0
Channel								
Frequency (MHz)				631334	633334	633668		
40	QPSK	1	1	20.00	19.98	19.99	21.4	0.0
Channel								
Frequency (MHz)				631000	633334	633668		
30	QPSK	1	1	20.05	19.98	19.99	21.4	0.0
Channel								
Frequency (MHz)				630668	633334	633668		
20	QPSK	1	1	20.05	20.03	19.96	21.4	0.0
Channel								
Frequency (MHz)				630334	633334	633668		
15	QPSK	1	1	19.94	20.02	19.99	21.4	0.0
Channel								
Frequency (MHz)				630000	633334	633668		
10	QPSK	1	1	20.00	19.95	20.01	21.4	0.0



Part27Q n77 PC2 DSI5_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		22.90			
100	PI2 BPSK	1	271		22.87		24.4	0.0
100	PI2 BPSK	135	0		23.20			
100	PI2 BPSK	135	69		22.87		24.4	0.0
100	PI2 BPSK	135	138		22.97		24.4	0.0
100	PI2 BPSK	270	0		23.03			
100	PI2 BPSK	270	0		22.97		24.4	0.0
100	QPSK	1	1		23.41			
100	QPSK	1	137		23.01		24.4	0.0
100	QPSK	1	271		23.10			
100	QPSK	135	0		22.88		24.4	0.0
100	QPSK	135	69		23.36		24.4	0.0
100	QPSK	135	138		23.04		24.4	0.0
100	QPSK	270	0		23.20			
100	16QAM	1	1		22.98		24.4	0.0
100	64QAM	1	1		22.90		24.4	0.0
100	256QAM	1	1		21.68		23.0	1.4
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.01	22.05	22.98	24.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3498.02	3500.01	3510	24.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634688	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.09	22.94	22.98	24.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631868	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.05	22.92	22.92	24.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3492.01	3500.01	3502.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.01	22.92	22.96	24.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	636688	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.03	22.96	22.97	24.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.12	22.92	22.94	24.4	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3542.50	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.10	23.02	22.96	24.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3450.01	3500.01	3540.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.11	22.94	23.03	24.4	0.0



Part270 n78 DSI5_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		19.65		21.4	0.0
100	PI2 BPSK	1	271		19.80			
100	PI2 BPSK	1	271		19.71			
100	PI2 BPSK	135	0		19.70		21.4	0.0
100	PI2 BPSK	135	69		19.91		21.4	0.0
100	PI2 BPSK	135	138		19.93		21.4	0.0
100	PI2 BPSK	270	0		19.75		21.4	0.0
100	QPSK	1	1		20.05			
100	QPSK	1	137		19.83		21.4	0.0
100	QPSK	1	271		19.80			
100	QPSK	135	0		19.73		21.4	0.0
100	QPSK	135	69		19.83		21.4	0.0
100	QPSK	135	138		19.73		21.4	0.0
100	QPSK	270	0		19.94		21.4	0.0
100	16QAM	1	1		19.71		21.4	0.0
100	64QAM	1	1		19.41		21.4	0.0
100	256QAM	1	1		17.57		19.8	1.9
Channel								
Frequency (MHz)								
90	QPSK	1	1	64998	65000	65034	Tune-up limit	MPR
				3745.02	3750	3765.01	(dBm)	(dB)
90	QPSK	1	1	19.65	19.81	19.76	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up limit	MPR
				3749.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.69	19.92	19.81	21.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
				3745.02	3750	3770.01	(dBm)	(dB)
70	QPSK	1	1	19.70	19.77	19.69	21.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
				3740.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	19.77	19.78	19.67	21.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65300	Tune-up limit	MPR
				3735.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.83	19.75	19.74	21.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
				3735.02	3750	3785.01	(dBm)	(dB)
40	QPSK	1	1	19.56	19.69	19.84	21.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
				3730.01	3750	3790.02	(dBm)	(dB)
30	QPSK	1	1	19.71	19.67	19.72	21.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
				3730.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.71	19.67	19.72	21.4	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
				3730.01	3750	3790.02	(dBm)	(dB)
15	QPSK	1	1	19.74	19.77	19.75	21.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
				3730.01	3750	3790.02	(dBm)	(dB)
10	QPSK	1	1	19.68	19.90	19.82	21.4	0.0

Part270 n78 PC2 DSI5_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		22.91		24.4	0.0
100	PI2 BPSK	1	137		22.92			
100	PI2 BPSK	1	271		23.05			
100	PI2 BPSK	135	0		23.00		24.4	0.0
100	PI2 BPSK	135	69		22.97		24.4	0.0
100	PI2 BPSK	135	138		22.98		24.4	0.0
100	PI2 BPSK	270	0		22.81		24.4	0.0
100	QPSK	1	1		23.12			
100	QPSK	1	137		22.96		24.4	0.0
100	QPSK	1	271		22.90			
100	QPSK	135	0		22.80		24.4	0.0
100	QPSK	135	69		22.94		24.4	0.0
100	QPSK	135	138		22.93		24.4	0.0
100	QPSK	270	0		23.06		24.4	0.0
100	16QAM	1	1		22.90		24.4	0.0
100	64QAM	1	1		22.73		24.4	0.0
100	256QAM	1	1		21.18		23.0	1.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	64998	65000	65034	Tune-up limit	MPR
				3745.02	3750	3765.01	(dBm)	(dB)
90	QPSK	1	1	22.59	22.76	22.75	24.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up limit	MPR
				3749.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.53	22.87	22.54	24.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
				3745.02	3750	3770.01	(dBm)	(dB)
70	QPSK	1	1	22.41	22.85	22.52	24.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
				3740.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	22.61	22.84	22.89	24.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65300	Tune-up limit	MPR
				3735.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.51	22.84	22.53	24.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
				3735.02	3750	3785.01	(dBm)	(dB)
40	QPSK	1	1	22.68	22.89	22.56	24.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
				3730.01	3750	3790.02	(dBm)	(dB)
30	QPSK	1	1	22.54	22.89	22.71	24.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
				3730.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.58	22.85	22.59	24.4	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
				3730.01	3750	3790.02	(dBm)	(dB)
15	QPSK	1	1	22.87	22.76	22.58	24.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
				3730.01	3750	3790.02	(dBm)	(dB)
10	QPSK	1	1	22.77	22.98	22.47	24.4	0.0

Part27Q n78 DSI5_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.00		21.4	0.0
100	PI2 BPSK	1	137		19.94			
100	PI2 BPSK	1	271		19.85			
100	PI2 BPSK	135	0		19.82		21.4	0.0
100	PI2 BPSK	135	69		19.86		21.4	0.0
100	PI2 BPSK	135	138		19.96		21.4	0.0
100	PI2 BPSK	270	0		19.95		21.4	0.0
100	QPSK	1	1		20.23			
100	QPSK	1	137		19.98		21.4	0.0
100	QPSK	1	271		19.92			
100	QPSK	135	0		19.82		21.4	0.0
100	QPSK	135	69		20.24		21.4	0.0
100	QPSK	135	138		19.99		21.4	0.0
100	QPSK	270	0		19.76		21.4	0.0
100	16QAM	1	1		19.88		21.4	0.0
100	64QAM	1	1		19.47		21.4	0.0
100	256QAM	1	1		17.89		19.8	1.9
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up limit	MPR
				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.82	19.75	19.89	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63400	Tune-up limit	MPR
				3499.02	3500.01	3501	(dBm)	(dB)
80	QPSK	1	1	19.87	19.74	19.88	21.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.92	19.84	19.86	21.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit	MPR
				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.72	19.84	19.94	21.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63166	63334	63500	Tune-up limit	MPR
				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.65	19.78	19.66	21.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit	MPR
				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.73	19.79	19.91	21.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up limit	MPR
				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.81	19.81	19.81	21.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63600	Tune-up limit	MPR
				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.75	19.94	19.90	21.4	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63030	63334	63634	Tune-up limit	MPR
				3455.01	3500.01	3545.01	(dBm)	(dB)
15	QPSK	1	1	19.79	19.86	19.93	21.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63000	63334	63668	Tune-up limit	MPR
				3450.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	19.69	19.76	19.68	21.4	0.0



Part27Q n78 PC2 DSI5_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.44	3000.01			
100	PI2 BPSK	1	137	22.72			24.4	0.0
100	PI2 BPSK	1	271	22.89				
100	PI2 BPSK	135	0	22.79			24.4	0.0
100	PI2 BPSK	135	69	22.90				
100	PI2 BPSK	135	138	22.98			24.4	0.0
100	PI2 BPSK	270	0	22.79				
100	QPSK	1	1	23.31				
100	QPSK	1	137	22.74			24.4	0.0
100	QPSK	1	271	22.78				
100	QPSK	135	0	22.55			24.4	0.0
100	QPSK	135	69	23.25				
100	QPSK	135	138	22.87			24.4	0.0
100	QPSK	270	0	23.13				
100	16QAM	1	1	22.82				
100	16QAM	1	1	22.78			24.4	0.0
100	25QAM	1	1	21.62			23.0	1.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.76	22.65	22.85	24.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.82	22.84	22.84	24.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.80	22.75	22.84	24.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.90	22.60	22.85	24.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.74	22.85	22.85	24.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.81	22.60	22.82	24.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.74	22.80	22.81	24.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.94	22.57	22.77	24.4	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.95	22.84	22.64	24.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.81	22.61	22.73	24.4	0.0



n2 DSI5_Standalone Ant 3									
BW [MHz]	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)				1860	1880	1900			
20	PI2 BPSK	1	1	23.04	23.07	22.97			
20	PI2 BPSK	1	53	22.98	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	22.87	22.98	22.89			
20	PI2 BPSK	50	0	22.91	22.99	22.93	24.0	0.0	
20	PI2 BPSK	50	28	22.84	22.97	22.91	24.0	0.0	
20	PI2 BPSK	50	56	22.92	22.96	22.87	24.0	0.0	
20	PI2 BPSK	100	0	22.93	22.99	22.94			
20	QPSK	1	1	23.06	23.12	22.99			
20	QPSK	1	53	23.00	23.08	22.98	24.0	0.0	
20	QPSK	1	104	22.99	23.03	22.96			
20	QPSK	50	0	22.84	23.01	22.94	24.0	0.0	
20	QPSK	50	28	23.03	23.08	22.95	24.0	0.0	
20	QPSK	50	56	22.84	22.94	22.85	24.0	0.0	
20	QPSK	100	0	22.92	23.00	22.90			
20	16QAM	1	1	22.85	22.95	22.92	24.0	0.0	
20	64QAM	1	1	21.80	22.01	21.94	23.0	1.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	22.98	23.08	22.88	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	22.98	23.01	22.84	24.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	23.02	23.04	22.98	24.0	0.0	

n7 DSI5_Standalone Ant 3									
BW [MHz]	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)				2520	2535	2550			
40	PI2 BPSK	1	1	23.46	23.49	23.40			
40	PI2 BPSK	1	108	23.33	23.40	23.37	24.0	0.0	
40	PI2 BPSK	1	214	23.24	23.36	23.32			
40	PI2 BPSK	108	0	23.21	23.31	23.24	24.0	0.0	
40	PI2 BPSK	108	54	23.35	23.47	23.32	24.0	0.0	
40	PI2 BPSK	108	108	23.29	23.33	23.27	24.0	0.0	
40	PI2 BPSK	216	0	23.33	23.37	23.34			
40	QPSK	1	1	23.53	23.61	23.40			
40	QPSK	1	108	23.46	23.53	23.41	24.0	0.0	
40	QPSK	1	214	23.43	23.51	23.41			
40	QPSK	108	0	23.27	23.39	23.29	24.0	0.0	
40	QPSK	108	54	23.48	23.54	23.41	24.0	0.0	
40	QPSK	108	108	23.35	23.43	23.39	24.0	0.0	
40	QPSK	216	0	23.43	23.48	23.36			
40	16QAM	1	1	23.19	23.29	23.23	24.0	0.0	
40	64QAM	1	1	22.36	22.47	22.41	23.0	1.0	
40	256QAM	1	1	20.02	20.08	20.06	21.0	3.0	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.47	23.55	23.32	24.0	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	23.45	23.57	23.29	24.0	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	23.41	23.47	23.33	24.0	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	23.39	23.49	23.28	24.0	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	23.44	23.50	23.31	24.0	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	23.40	23.51	23.26	24.0	0.0	

n25 DSI5_Standalone Ant 3									
BW [MHz]	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)				1870	182.5	1895			
40	PI2 BPSK	1	1	23.01	23.06	22.93			
40	PI2 BPSK	1	108	22.84	22.96	22.89	24.0	0.0	
40	PI2 BPSK	1	214	22.93	22.99	22.85			
40	PI2 BPSK	108	0	22.96	23.03	22.87	24.0	0.0	
40	PI2 BPSK	108	54	22.89	22.98	22.84	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.97	22.84	24.0	0.0	
40	PI2 BPSK	216	0	22.85	22.99	22.90			
40	QPSK	1	1	23.07	23.17	22.98			
40	QPSK	1	108	23.03	23.08	22.99	24.0	0.0	
40	QPSK	1	214	23.00	23.02	22.92			
40	QPSK	108	0	22.97	23.05	22.92	24.0	0.0	
40	QPSK	108	54	23.01	23.09	22.96	24.0	0.0	
40	QPSK	108	108	22.90	22.99	22.84	24.0	0.0	
40	QPSK	216	0	22.96	23.03	22.92			
40	16QAM	1	1	23.01	23.08	23.02	24.0	0.0	
40	64QAM	1	1	21.89	21.96	21.91	23.0	1.0	
40	256QAM	1	1	20.22	20.28	20.48	21.0	3.0	
Channel									
Frequency (MHz)				1865	182.5	1900			
30	QPSK	1	1	22.92	23.11	22.86	24.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	22.99	23.05	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	23.03	23.04	22.87	24.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	23.02	23.10	22.86	24.0	0.0	
Channel									
Frequency (MHz)				1865	182.5	1910			
10	QPSK	1	1	22.99	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	23.02	23.06	22.93	24.0	0.0	



n30 DSI5_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	23.11			24.0	0.0	
10	PI2 BPSK	1	26	23.05					
10	PI2 BPSK	1	50	23.08					
10	PI2 BPSK	25	0	22.95			24.0	0.0	
10	PI2 BPSK	25	14	23.01			24.0	0.0	
10	PI2 BPSK	25	27	22.97			24.0	0.0	
10	PI2 BPSK	50	0	22.98					
10	QPSK	1	1	23.17			24.0	0.0	
10	QPSK	1	26	23.08					
10	QPSK	1	50	23.04					
10	QPSK	25	0	23.02			24.0	0.0	
10	QPSK	25	14	23.09			24.0	0.0	
10	QPSK	25	27	22.91			24.0	0.0	
10	QPSK	50	0	22.95					
10	16QAM	1	1	22.93			24.0	0.0	
10	64QAM	1	1	21.81			23.0	1.0	
10	256QAM	1	1	19.89			21.0	3.0	
Channel				481500	482500		Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	23.07	23.13	23.03	24.0	0.0	

n66 DSI5_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
40	PI2 BPSK	1	1	23.50	23.53	23.40	24.0	0.0	
40	PI2 BPSK	1	108	23.24	23.31	23.23			
40	PI2 BPSK	1	214	23.18	23.29	23.14			
40	PI2 BPSK	108	0	23.18	23.23	23.10	24.0	0.0	
40	PI2 BPSK	108	54	23.25	23.34	23.22	24.0	0.0	
40	PI2 BPSK	108	108	23.20	23.27	23.24			
40	PI2 BPSK	216	0	23.18	23.29	23.19	24.0	0.0	
40	QPSK	1	1	23.49	23.58	23.47			
40	QPSK	1	108	23.35	23.49	23.38	24.0	0.0	
40	QPSK	1	214	23.34	23.44	23.39			
40	QPSK	108	0	23.12	23.24	23.21	24.0	0.0	
40	QPSK	108	54	23.33	23.46	23.39	24.0	0.0	
40	QPSK	108	108	23.23	23.32	23.21			
40	QPSK	216	0	23.32	23.41	23.30	24.0	0.0	
40	16QAM	1	1	23.23	23.31	23.19	24.0	0.0	
40	64QAM	1	1	21.96	22.09	21.98	23.0	1.0	
40	256QAM	1	1	20.82	20.82	20.43	21.0	3.0	
Channel				345000	346000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.42	23.47	23.43	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1770			
20	QPSK	1	1	23.40	23.52	23.37	24.0	0.0	
Channel				343000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
15	QPSK	1	1	23.45	23.43	23.43	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.45	23.43	23.42	24.0	0.0	
Channel				342000	348000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.35	23.55	23.37	24.0	0.0	

n70 DSI5_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
15	PI2 BPSK	1	1	23.53			24.0	0.0	
15	PI2 BPSK	1	40	23.47					
15	PI2 BPSK	1	77	23.49					
15	PI2 BPSK	36	0	23.41			24.0	0.0	
15	PI2 BPSK	36	22	23.48			24.0	0.0	
15	PI2 BPSK	36	43	23.34			24.0	0.0	
15	PI2 BPSK	75	0	23.39					
15	QPSK	1	1	23.55			24.0	0.0	
15	QPSK	1	40	23.46					
15	QPSK	1	77	23.42					
15	QPSK	36	0	23.36			24.0	0.0	
15	QPSK	36	22	23.50			24.0	0.0	
15	QPSK	36	43	23.39			24.0	0.0	
15	QPSK	75	0	23.43					
15	16QAM	1	1	21.98			23.0	1.0	
15	64QAM	1	1	20.71			21.5	2.5	
15	256QAM	1	1	19.10			19.5	4.5	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1760	1762.5	1765			
10	QPSK	1	1	23.40	23.48	23.41	24.0	0.0	
Channel				339000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.48	23.51	23.42	24.0	0.0	



n38 DSIS_ Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2335.01	2355	2304.99		
30	PI2 BPSK	1	1	23.60	23.68	23.64		
30	PI2 BPSK	1	1	23.41	23.55	23.42	24.0	0.0
30	PI2 BPSK	1	76	23.56	23.59	23.55		
30	PI2 BPSK	36	0	23.49	23.57	23.43	24.0	0.0
30	PI2 BPSK	36	21	23.48	23.61	23.47	24.0	0.0
30	PI2 BPSK	36	42	23.40	23.54	23.45		
30	PI2 BPSK	75	0	23.58	23.67	23.56	24.0	0.0
30	QPSK	1	1	23.69	23.63	23.77		
30	QPSK	1	40	23.56	23.67	23.56	24.0	0.0
30	QPSK	1	76	23.56	23.62	23.56		
30	QPSK	36	0	23.61	23.66	23.53	24.0	0.0
30	QPSK	36	21	23.60	23.77	23.63	24.0	0.0
30	QPSK	36	42	23.50	23.59	23.55	24.0	0.0
30	QPSK	75	0	23.53	23.62	23.55		
30	16QAM	1	1	23.54	23.67	23.62	24.0	0.0
30	64QAM	1	1	22.13	22.21	22.06	22.5	1.5
30	256QAM	1	1	20.26	20.45	20.32	20.5	3.5
Channel				515004	519000	521000		
Frequency (MHz)				2362.52	2355	2307.48		
25	QPSK	1	1	23.60	23.74	23.72	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2356	2355	2313		
20	QPSK	1	1	23.59	23.77	23.71	24.0	0.0
Channel				515502	519000	524998		
Frequency (MHz)				2377.51	2395	2312.49		
15	QPSK	1	1	23.62	23.70	23.63	24.0	0.0
Channel				515004	519000	522998		
Frequency (MHz)				2375.02	2355	2314.98		
10	QPSK	1	1	23.63	23.68	23.72	24.0	0.0

n41 DSIS_ Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	528998		
Frequency (MHz)				2346.01	2329.99	2340		
100	PI2 BPSK	1	1	23.10	23.24	23.11		
100	PI2 BPSK	1	137	23.17	23.21	23.07	24.0	0.0
100	PI2 BPSK	1	271	23.15	23.19	23.12		
100	PI2 BPSK	135	0	22.70	22.78	22.62	23.5	0.5
100	PI2 BPSK	135	69	22.80	22.81	22.74	24.0	0.0
100	PI2 BPSK	135	138	22.72	22.75	22.67		
100	PI2 BPSK	270	0	22.69	22.70	22.68	23.5	0.5
100	QPSK	1	1	23.23	23.29	23.17		
100	QPSK	1	137	23.16	23.23	23.15	24.0	0.0
100	QPSK	1	271	23.10	23.17	23.13		
100	QPSK	135	0	22.21	22.25	22.11	23.0	1.0
100	QPSK	135	69	23.16	23.24	23.12	24.0	0.0
100	QPSK	135	138	22.13	22.27	22.16	23.0	1.0
100	QPSK	270	0	22.28	22.29	22.19		
100	16QAM	1	1	22.05	22.25	22.10	23.0	1.0
100	64QAM	1	1	20.67	20.81	20.65	21.5	2.5
100	256QAM	1	1	18.71	18.76	18.56	19.5	4.5
Channel				515000	518998	529998		
Frequency (MHz)				2354	2352.99	2344.98		
90	QPSK	1	1	23.14	23.15	23.05	24.0	0.0
Channel				507294	518998	529998		
Frequency (MHz)				2336.92	2322.99	2348.99		
80	QPSK	1	1	23.15	23.22	23.12	24.0	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2331.01	2322.99	2305		
70	QPSK	1	1	23.20	23.15	23.09	24.0	0.0
Channel				505000	518998	531998		
Frequency (MHz)				2326	2322.99	2309.98		
60	QPSK	1	1	23.15	23.26	23.07	24.0	0.0
Channel				502504	518998	532998		
Frequency (MHz)				2321.92	2322.99	2304.99		
50	QPSK	1	1	23.10	23.23	23.07	24.0	0.0
Channel				503002	518998	534000		
Frequency (MHz)				2316.01	2322.99	2300		
40	QPSK	1	1	23.15	23.19	23.13	24.0	0.0
Channel				502000	518998	534998		
Frequency (MHz)				2311	2322.99	2304.98		
30	QPSK	1	1	23.05	23.21	23.03	24.0	0.0
Channel				501294	518998	535998		
Frequency (MHz)				2306.92	2322.99	2309.99		
20	QPSK	1	1	23.10	23.25	23.13	24.0	0.0



n41 PC2 DSI5_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				509002	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	28.23	28.27	28.19			
100	PI2 BPSK	1	137	25.97	28.11	28.06	27.0	0.0	
100	PI2 BPSK	1	271	25.82	25.98	25.93			
100	PI2 BPSK	135	0	28.06	28.13	25.98	27.0	0.0	
100	PI2 BPSK	135	69	28.14	28.25	28.21	27.0	0.0	
100	PI2 BPSK	135	138	25.82	25.93	25.79	27.0	0.0	
100	PI2 BPSK	270	0	28.09	28.18	28.12			
100	QPSK	1	1	28.25	28.33	28.29			
100	QPSK	1	137	28.22	28.28	28.21	27.0	0.0	
100	QPSK	1	271	25.07	28.14	28.06			
100	QPSK	135	0	25.80	25.88	25.78	26.5	0.5	
100	QPSK	135	69	28.16	28.23	28.10	27.0	0.0	
100	QPSK	135	138	25.83	25.80	25.74	26.5	0.5	
100	QPSK	270	0	25.71	25.82	25.80			
100	16QAM	1	1	25.70	25.82	25.76	26.5	0.5	
100	64QAM	1	1	24.35	24.41	24.28	25.0	2.0	
100	256QAM	1	1	22.31	22.95	22.32	23.0	4.0	
Channel				510000	519598	529000			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	28.22	28.19	28.25	27.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2638.02	2692.99	2643.99			
80	QPSK	1	1	28.12	28.27	28.21	27.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	28.18	28.20	28.24	27.0	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2428	2592.99	2659.98			
60	QPSK	1	1	28.17	28.28	28.14	27.0	0.0	
Channel				504204	518598	532000			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	28.11	28.21	28.16	27.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2418.01	2592.99	2669			
40	QPSK	1	1	28.18	28.24	28.17	27.0	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	28.17	28.20	28.16	27.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2606.02	2592.99	2679.99			
20	QPSK	1	1	28.19	28.26	28.18	27.0	0.0	

n48 Part96 DSI5_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				638000	641666	645332			
Frequency (MHz)				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	18.06	18.48	19.08			
40	PI2 BPSK	1	53	19.04	18.11	19.04	20.2	0.0	
40	PI2 BPSK	1	104	18.95	18.08	19.00			
40	PI2 BPSK	50	0	18.92	19.07	19.03	20.2	0.0	
40	PI2 BPSK	50	25	18.94	19.00	18.95	20.2	0.0	
40	PI2 BPSK	50	55	19.01	19.06	18.99			
40	PI2 BPSK	100	0	18.91	19.03	18.99	20.2	0.0	
40	QPSK	1	1	19.06	19.17	19.01			
40	QPSK	1	53	18.94	18.10	19.00	20.2	0.0	
40	QPSK	1	104	19.10	18.13	19.03			
40	QPSK	50	0	18.88	19.02	18.96	20.2	0.0	
40	QPSK	50	28	18.98	18.11	19.08	20.2	0.0	
40	QPSK	50	56	18.89	19.01	18.88	20.2	0.0	
40	QPSK	100	0	18.89	19.03	18.95			
40	16QAM	1	1	18.87	18.98	18.92	20.2	0.0	
40	64QAM	1	1	18.89	19.04	19.00	20.2	0.0	
40	256QAM	1	1	17.91	17.93	17.93	18.5	0.7	
Channel				637000	641666	646000			
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	18.94	19.09	18.94	20.2	0.0	
Channel				637204	641666	646000			
Frequency (MHz)				3662.01	3624.99	3680			
20	QPSK	1	1	18.93	19.14	18.98	20.2	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	18.94	19.13	18.92	20.2	0.0	



Part270 n77 DS15_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.00	19.04	18.99		
100	PI2 BPSK	1	137	18.98	19.08	19.04	20.0	0.0
100	PI2 BPSK	1	271	18.99	19.05	18.94		
100	PI2 BPSK	135	0	18.83	18.97	18.87	20.0	0.0
100	PI2 BPSK	135	69	18.86	19.01	18.99		
100	PI2 BPSK	135	138	18.88	19.03	18.90	20.0	0.0
100	PI2 BPSK	270	0	18.99	19.10	19.07		
100	QPSK	1	1	18.96	19.13	19.00		
100	QPSK	1	137	18.87	18.96	18.87	20.0	0.0
100	QPSK	1	271	18.91	18.99	18.90		
100	QPSK	135	0	18.95	19.07	18.91	20.0	0.0
100	QPSK	135	69	19.04	19.09	19.05	20.0	0.0
100	QPSK	135	138	18.90	18.99	18.88	20.0	0.0
100	QPSK	270	0	18.98	19.05	18.92		
100	16QAM	1	1	18.90	19.04	18.98	20.0	0.0
100	64QAM	1	1	18.87	19.00	18.87	20.0	0.0
100	256QAM	1	1	18.28	18.33	18.26	19.5	0.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.69	18.93	18.71	20.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	18.83	19.00	18.88	20.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit	MPR
70	QPSK	1	1	18.72	18.92	18.74	20.0	0.0
Channel								
Frequency (MHz)				649068	650000	650334	Tune-up limit	MPR
60	QPSK	1	1	18.77	19.00	18.92	20.0	0.0
Channel								
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.77	19.00	18.92	20.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.71	19.03	18.91	20.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000	Tune-up limit	MPR
40	QPSK	1	1	18.82	18.98	18.74	20.0	0.0
Channel								
Frequency (MHz)				647668	650000	650334	Tune-up limit	MPR
30	QPSK	1	1	18.67	18.88	18.72	20.0	0.0
Channel								
Frequency (MHz)				647334	650000	650668	Tune-up limit	MPR
20	QPSK	1	1	18.72	19.01	18.70	20.0	0.0
Channel								
Frequency (MHz)				647168	650000	650334	Tune-up limit	MPR
15	QPSK	1	1	18.74	18.82	18.83	20.0	0.0
Channel								
Frequency (MHz)				647000	650000	650000	Tune-up limit	MPR
10	QPSK	1	1	18.07	19.04	18.82	20.0	0.0

Part270 n77 PC2 DS15_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.08	22.13	22.10		
100	PI2 BPSK	1	137	22.02	22.11	22.01	23.0	0.0
100	PI2 BPSK	1	271	22.01	22.17	22.04		
100	PI2 BPSK	135	0	22.08	22.16	22.00	23.0	0.0
100	PI2 BPSK	135	69	21.94	22.10	22.02		
100	PI2 BPSK	135	138	22.08	22.17	22.07	23.0	0.0
100	PI2 BPSK	270	0	22.08	22.15	21.98		
100	QPSK	1	1	22.23	22.27	22.17		
100	QPSK	1	137	22.14	22.20	22.07	23.0	0.0
100	QPSK	1	271	22.14	22.20	22.18		
100	QPSK	135	0	22.01	22.10	21.99	23.0	0.0
100	QPSK	135	69	22.13	22.16	22.13	23.0	0.0
100	QPSK	135	138	22.09	22.13	22.07	23.0	0.0
100	QPSK	270	0	22.16	22.21	22.17		
100	16QAM	1	1	22.18	22.22	22.10	23.0	0.0
100	64QAM	1	1	22.01	22.16	22.12	23.0	0.0
100	256QAM	1	1	21.00	21.92	22.01	23.0	0.0
Channel								
Frequency (MHz)				649068	650000	650334	Tune-up limit	MPR
90	QPSK	1	1	22.13	22.16	21.91	23.0	0.0
Channel								
Frequency (MHz)				648334	650000	650268	Tune-up limit	MPR
80	QPSK	1	1	22.10	22.06	22.02	23.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit	MPR
70	QPSK	1	1	21.94	22.02	21.90	23.0	0.0
Channel								
Frequency (MHz)				649068	650000	650334	Tune-up limit	MPR
60	QPSK	1	1	21.93	22.12	22.07	23.0	0.0
Channel								
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.93	22.12	22.07	23.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.14	21.97	21.99	23.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000	Tune-up limit	MPR
40	QPSK	1	1	21.98	22.08	21.94	23.0	0.0
Channel								
Frequency (MHz)				647668	650000	650334	Tune-up limit	MPR
30	QPSK	1	1	22.10	22.08	22.04	23.0	0.0
Channel								
Frequency (MHz)				647334	650000	650668	Tune-up limit	MPR
20	QPSK	1	1	21.99	22.07	22.03	23.0	0.0
Channel								
Frequency (MHz)				647168	650000	650334	Tune-up limit	MPR
15	QPSK	1	1	22.01	22.10	22.00	23.0	0.0
Channel								
Frequency (MHz)				647000	650000	650000	Tune-up limit	MPR
10	QPSK	1	1	21.95	22.14	21.91	23.0	0.0

Part27Q n77 DS15_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			19.30		
100	PI2 BPSK	1	137			19.33	20.0	0.0
100	PI2 BPSK	1	271			19.33		
100	PI2 BPSK	135	0			19.22	20.0	0.0
100	PI2 BPSK	135	69			19.30		
100	PI2 BPSK	135	138			19.32	20.0	0.0
100	PI2 BPSK	270	0			19.30		
100	QPSK	1	1			19.38		
100	QPSK	1	137			19.32	20.0	0.0
100	QPSK	1	271			19.30		
100	QPSK	135	0			19.30	20.0	0.0
100	QPSK	135	69			19.35		
100	QPSK	135	138			19.23	20.0	0.0
100	QPSK	270	0			19.30		
100	16QAM	1	1			19.21	20.0	0.0
100	64QAM	1	1			19.18		
100	256QAM	1	1			17.72	19.5	0.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit	MPR
90	QPSK	1	1	19.09	19.00	19.07	20.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit	MPR
80	QPSK	1	1	19.08	19.08	19.00	20.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit	MPR
70	QPSK	1	1	19.07	19.06	19.16	20.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit	MPR
60	QPSK	1	1	19.14	19.14	19.10	20.0	0.0
Channel								
Frequency (MHz)				3495.02	3500.01	3505.02		
60	QPSK	1	1	19.14	19.14	19.10	20.0	0.0
Channel								
Frequency (MHz)				3475.02	3500.01	3525.02		
50	QPSK	1	1	19.13	19.15	19.04	20.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit	MPR
40	QPSK	1	1	19.20	18.99	19.19	20.0	0.0
Channel								
Frequency (MHz)				631000	633334	636668	Tune-up limit	MPR
30	QPSK	1	1	19.12	19.08	19.15	20.0	0.0
Channel								
Frequency (MHz)				630668	633334	637000	Tune-up limit	MPR
20	QPSK	1	1	19.11	19.13	19.11	20.0	0.0
Channel								
Frequency (MHz)				630334	633334	637334	Tune-up limit	MPR
15	QPSK	1	1	19.04	19.01	19.10	20.0	0.0
Channel								
Frequency (MHz)				630000	633334	637668	Tune-up limit	MPR
10	QPSK	1	1	19.08	19.01	19.20	20.0	0.0



Part27Q n77 PC2 DSI5_Standalone Ant 3								
BW (MHz)	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	22.38	3500.01			
100	PI2 BPSK	1	137	22.32			23.0	0.0
100	PI2 BPSK	1	271	22.28				
100	PI2 BPSK	135	0	22.35			23.0	0.0
100	PI2 BPSK	135	69	22.42			23.0	0.0
100	PI2 BPSK	135	138	22.37			23.0	0.0
100	PI2 BPSK	270	0	22.41				
100	QPSK	1	1	22.45				
100	QPSK	1	137	22.31			23.0	0.0
100	QPSK	1	271	22.37				
100	QPSK	135	0	22.32			23.0	0.0
100	QPSK	135	69	22.41			23.0	0.0
100	QPSK	135	138	22.28			23.0	0.0
100	QPSK	270	0	22.38				
100	16QAM	1	1	22.38			23.0	0.0
100	64QAM	1	1	22.31			23.0	0.0
100	256QAM	1	1	22.33			23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.16	21.08	22.13	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3498.02	3503.03	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.16	22.19	22.29	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.18	22.08	22.29	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.08	22.14	22.26	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.13	22.03	22.30	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.25	22.14	22.17	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.29	22.07	22.23	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.27	22.04	22.31	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3542.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.08	22.15	22.23	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3453.34	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.16	22.13	22.14	23.0	0.0



Part270 n78 DS15_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	18.88				
100	PI2 BPSK	1	137	18.84			20.0	0.0
100	PI2 BPSK	1	271	18.85				
100	PI2 BPSK	135	0	18.92			20.0	0.0
100	PI2 BPSK	135	69	18.87			20.0	0.0
100	PI2 BPSK	135	138	18.81			20.0	0.0
100	PI2 BPSK	270	0	18.88			20.0	0.0
100	QPSK	1	1	18.95				
100	QPSK	1	137	18.83			20.0	0.0
100	QPSK	1	271	18.85				
100	QPSK	135	0	18.88			20.0	0.0
100	QPSK	135	69	18.89			20.0	0.0
100	QPSK	135	138	18.86			20.0	0.0
100	QPSK	270	0	18.94			20.0	0.0
100	16QAM	1	1	18.89			20.0	0.0
100	64QAM	1	1	18.91			20.0	0.0
100	256QAM	1	1	18.20			18.5	0.5
Channel								
Frequency (MHz)				64998	65000	65034	Tune-up limit	MPR
90	QPSK	1	1	18.57	18.87	18.45	20.0	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR
80	QPSK	1	1	18.58	18.75	18.59	20.0	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR
70	QPSK	1	1	18.39	18.77	18.30	20.0	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR
60	QPSK	1	1	18.49	18.82	18.67	20.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit	MPR
50	QPSK	1	1	18.90	18.92	18.87	20.0	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit	MPR
40	QPSK	1	1	18.43	18.54	18.64	20.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR
30	QPSK	1	1	18.44	18.54	18.64	20.0	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR
20	QPSK	1	1	18.64	18.87	18.61	20.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
15	QPSK	1	1	18.81	18.70	18.64	20.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit	MPR
10	QPSK	1	1	18.37	18.84	18.54	20.0	0.0

Part270 n78 PC2 DS15_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	21.53				
100	PI2 BPSK	1	137	21.91			23.0	0.0
100	PI2 BPSK	1	271	21.97				
100	PI2 BPSK	135	0	21.96			23.0	0.0
100	PI2 BPSK	135	69	21.90			23.0	0.0
100	PI2 BPSK	135	138	21.97			23.0	0.0
100	PI2 BPSK	270	0	21.95			23.0	0.0
100	QPSK	1	1	22.07				
100	QPSK	1	137	21.86			23.0	0.0
100	QPSK	1	271	22.00				
100	QPSK	135	0	21.90			23.0	0.0
100	QPSK	135	69	21.96			23.0	0.0
100	QPSK	135	138	21.93			23.0	0.0
100	QPSK	270	0	22.01			23.0	0.0
100	16QAM	1	1	22.02			23.0	0.0
100	64QAM	1	1	21.96			23.0	0.0
100	256QAM	1	1	21.72			23.0	0.0
Channel								
Frequency (MHz)				64998	65000	65034	Tune-up limit	MPR
90	QPSK	1	1	21.93	21.96	21.71	23.0	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR
80	QPSK	1	1	21.90	21.86	21.82	23.0	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR
70	QPSK	1	1	21.74	21.82	21.70	23.0	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR
60	QPSK	1	1	21.73	21.92	21.87	23.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit	MPR
50	QPSK	1	1	21.94	21.77	21.79	23.0	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit	MPR
40	QPSK	1	1	21.76	21.88	21.74	23.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR
30	QPSK	1	1	21.80	21.86	21.84	23.0	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR
20	QPSK	1	1	21.79	21.87	21.83	23.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
15	QPSK	1	1	21.81	21.90	21.80	23.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit	MPR
10	QPSK	1	1	21.75	21.84	21.71	23.0	0.0

Part27Q n78 DS15_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	18.13				
100	PI2 BPSK	1	137	18.19			20.0	0.0
100	PI2 BPSK	1	271	18.18				
100	PI2 BPSK	135	0	18.02			20.0	0.0
100	PI2 BPSK	135	69	18.12			20.0	0.0
100	PI2 BPSK	135	138	18.15			20.0	0.0
100	PI2 BPSK	270	0	18.13			20.0	0.0
100	QPSK	1	1	18.23				
100	QPSK	1	137	18.07			20.0	0.0
100	QPSK	1	271	18.15				
100	QPSK	135	0	18.08			20.0	0.0
100	QPSK	135	69	18.20			20.0	0.0
100	QPSK	135	138	18.06			20.0	0.0
100	QPSK	270	0	18.13			20.0	0.0
100	16QAM	1	1	18.02			20.0	0.0
100	64QAM	1	1	18.03			20.0	0.0
100	256QAM	1	1	17.88			18.5	0.5
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit	MPR
90	QPSK	1	1	18.04	18.85	18.87	20.0	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit	MPR
80	QPSK	1	1	18.86	18.89	18.74	20.0	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit	MPR
70	QPSK	1	1	18.18	18.75	18.00	20.0	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit	MPR
60	QPSK	1	1	18.98	18.99	18.86	20.0	0.0
Channel								
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit	MPR
50	QPSK	1	1	18.92	19.01	18.79	20.0	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit	MPR
40	QPSK	1	1	19.05	18.83	18.86	20.0	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit	MPR
30	QPSK	1	1	18.98	18.88	18.87	20.0	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit	MPR
20	QPSK	1	1	18.94	18.87	18.86	20.0	0.0
Channel								
Frequency (MHz)				63000	63334	63668	Tune-up limit	MPR
15	QPSK	1	1	18.83	18.78	18.88	20.0	0.0
Channel								
Frequency (MHz)				3482.01	3500.01	3518.01	Tune-up limit	MPR
10	QPSK	1	1	18.91	18.74	18.84	20.0	0.0



Part27Q n78 PC2 DSI5_Standalone Ant 3

BW (MHz)	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	22.2	3000.01			
100	PI2 BPSK	1	137	22.15			23.0	0.0
100	PI2 BPSK	1	271	22.11				
100	PI2 BPSK	135	0	22.20			23.0	0.0
100	PI2 BPSK	135	69	22.24			23.0	0.0
100	PI2 BPSK	135	138	22.12			23.0	0.0
100	PI2 BPSK	270	0	22.20				
100	QPSK	1	1	22.30				
100	QPSK	1	137	22.12			23.0	0.0
100	QPSK	1	271	22.1				
100	QPSK	135	0	22.13			23.0	0.0
100	QPSK	135	69	22.24			23.0	0.0
100	QPSK	135	138	22.12			23.0	0.0
100	QPSK	270	0	22.17				
100	16QAM	1	1	22.20			23.0	0.0
100	64QAM	1	1	22.14			23.0	0.0
100	256QAM	1	1	22.10			23.0	0.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3485	3000.01	3505.02		
90	QPSK	1	1	21.94	21.80	21.90	23.0	0.0
Channel								
Frequency (MHz)								
				632068	633334	634600	Tune-up limit (dBm)	MPR (dB)
				3480.02	3000.01	3510		
80	QPSK	1	1	21.91	22.03	22.05	23.0	0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3000.01	3515.01		
70	QPSK	1	1	21.87	21.8	22.04	23.0	0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3000.01	3500.02		
60	QPSK	1	1	21.87	21.91	22.03	23.0	0.0
Channel								
Frequency (MHz)								
				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3000.01	3525		
50	QPSK	1	1	21.98	21.78	22.07	23.0	0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3480.01	3000.01	3520.01		
40	QPSK	1	1	22.05	21.93	21.97	23.0	0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3485	3000.01	3535.02		
30	QPSK	1	1	22.20	21.82	22.07	23.0	0.0
Channel								
Frequency (MHz)								
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3480.02	3000.01	3540		
20	QPSK	1	1	22.05	21.88	22.11	23.0	0.0
Channel								
Frequency (MHz)								
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
				3475	3000.01	3542.02		
15	QPSK	1	1	21.89	21.99	22.01	23.0	0.0
Channel								
Frequency (MHz)								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3480.01	3000.01	3540.01		
10	QPSK	1	1	21.97	21.93	21.93	23.0	0.0



Reduced Power Mode for DSI5-Simultaneous

n2 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	21.38	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25			
20	PI2 BPSK	100	0	21.30	21.37	21.32	23.0	0.0	
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.40	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.38	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	16QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	18.30	19.41	19.28	20.0	3.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	1887.5	1890	1892.5	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	1855	1860	1865	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63			
20	PI2 BPSK	100	0	21.73	21.77	21.65	23.0	0.0	
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.78			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.82	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.78	21.72			
20	16QAM	1	1	21.66	21.72	21.63	23.0	0.0	
20	16QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.83	20.68	20.56	21.0	2.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	1681.5	1683.5	1681.5	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	1678	1679	1678	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 DSI5_Simultaneous Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.82	20.90	20.85			
40	PI2 BPSK	1	108	20.74	20.86	20.87	22.1	0.0	
40	PI2 BPSK	1	214	20.81	20.89	20.82			
40	PI2 BPSK	108	0	20.74	20.87	20.86	22.1	0.0	
40	PI2 BPSK	108	54	20.82	20.82	20.87	22.1	0.0	
40	PI2 BPSK	108	108	20.84	20.96	20.86			
40	PI2 BPSK	216	0	20.76	20.85	20.74	22.1	0.0	
40	QPSK	1	1	20.88	21.01	20.87			
40	QPSK	1	108	20.80	20.92	20.83	22.1	0.0	
40	QPSK	1	214	20.83	21.00	20.83			
40	QPSK	108	0	20.78	20.85	20.77	22.1	0.0	
40	QPSK	108	54	20.86	20.99	20.87	22.1	0.0	
40	QPSK	108	108	20.69	20.87	20.73	22.1	0.0	
40	QPSK	216	0	20.81	20.91	20.81			
40	16QAM	1	1	20.84	20.88	20.85	22.1	0.0	
40	16QAM	1	1	20.64	20.79	20.67	22.0	0.1	
40	256QAM	1	1	19.15	19.22	19.08	20.0	2.1	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2515	2535	2555	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.07	20.07	20.04	22.1	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	20.83	20.86	20.79	22.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.88	20.88	20.85	22.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.84	20.89	20.82	22.1	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.87	20.88	20.85	22.1	0.0	



n12 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				143300	144500	145700			
				708.5	707.5	708.5			
15	PI2 BPSK	1	1	21.82	21.86	21.76			
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0	0.0	
15	PI2 BPSK	1	77	21.49	21.59	21.46			
15	PI2 BPSK	38	0	21.75	21.87	21.73	23.0	0.0	
15	PI2 BPSK	38	22	21.63	21.76	21.65	23.0	0.0	
15	PI2 BPSK	38	43	21.64	21.69	21.66			
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0	0.0	
15	QPSK	1	1	21.87	21.95	21.82			
15	QPSK	1	40	21.78	21.83	21.74	23.0	0.0	
15	QPSK	1	77	21.70	21.79	21.67			
15	QPSK	38	0	21.64	21.73	21.60	23.0	0.0	
15	QPSK	38	22	21.83	21.86	21.79	23.0	0.0	
15	QPSK	38	43	21.82	21.73	21.64			
15	QPSK	75	0	21.72	21.78	21.74			
15	RCQAM	1	1	21.53	21.63	21.52	23.0	0.0	
15	RCQAM	1	1	20.93	20.93	20.91	22.0	1.0	
15	256QAM	1	1	19.33	19.41	19.29	20.0	3.0	
Channel									
Frequency (MHz)				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)	
				704	703.5	711	23.0	0.0	
Channel									
Frequency (MHz)				140900	141500	142700	Tune-up limit (dBm)	MPR (dB)	
				701.5	707.5	713.5	23.0	0.0	
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0	

n13 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				154600	155200	155800			
				712	712	712			
10	PI2 BPSK	1	1	21.84	21.84	21.84			
10	PI2 BPSK	1	26	21.79	21.79	21.79	23.0	0.0	
10	PI2 BPSK	1	50	21.72	21.72	21.72			
10	PI2 BPSK	25	0	20.93	20.93	20.93	22.5	0.5	
10	PI2 BPSK	25	14	21.86	21.86	21.86	23.0	0.0	
10	PI2 BPSK	25	27	21.76	21.76	21.76			
10	PI2 BPSK	50	0	21.81	21.81	21.81	22.5	0.5	
10	QPSK	1	1	21.94	21.94	21.94			
10	QPSK	1	26	21.87	21.87	21.87	23.0	0.0	
10	QPSK	1	50	21.83	21.83	21.83			
10	QPSK	25	0	20.99	20.99	20.99	22.0	1.0	
10	QPSK	25	14	21.89	21.89	21.89	23.0	0.0	
10	QPSK	25	27	21.13	21.13	21.13	22.0	1.0	
10	QPSK	50	0	21.18	21.18	21.18			
10	RCQAM	1	1	20.71	20.71	20.71	22.0	1.0	
10	RCQAM	1	1	19.53	19.53	19.53	20.5	2.5	
10	256QAM	1	1	18.22	18.22	18.22	18.5	4.5	
Channel									
Frequency (MHz)				159900	159400	159900	Tune-up limit (dBm)	MPR (dB)	
				718.5	712	718.5	23.0	0.0	
5	QPSK	1	1	21.90	21.97	21.81	23.0	0.0	

n14 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				156600	157200	157800			
				713	713	713			
10	PI2 BPSK	1	1	21.98	21.98	21.98			
10	PI2 BPSK	1	26	21.90	21.90	21.90	23.0	0.0	
10	PI2 BPSK	1	50	21.86	21.86	21.86			
10	PI2 BPSK	25	0	21.89	21.89	21.89	23.0	0.0	
10	PI2 BPSK	25	14	21.95	21.95	21.95	23.0	0.0	
10	PI2 BPSK	25	27	21.86	21.86	21.86			
10	PI2 BPSK	50	0	21.93	21.93	21.93	23.0	0.0	
10	QPSK	1	1	22.04	22.04	22.04			
10	QPSK	1	26	22.01	22.01	22.01	23.0	0.0	
10	QPSK	1	50	21.96	21.96	21.96			
10	QPSK	25	0	21.94	21.94	21.94	23.0	0.0	
10	QPSK	25	14	21.99	21.99	21.99	23.0	0.0	
10	QPSK	25	27	21.87	21.87	21.87			
10	QPSK	50	0	21.94	21.94	21.94	23.0	0.0	
10	RCQAM	1	1	21.86	21.86	21.86	23.0	0.0	
10	RCQAM	1	1	20.85	20.85	20.85	22.0	1.0	
10	256QAM	1	1	19.09	19.09	19.09	20.0	3.0	
Channel									
Frequency (MHz)				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
				716.5	713	716.5	23.0	0.0	
5	QPSK	1	1	21.93	21.93	21.91	23.0	0.0	



n25 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374200	376900	379600			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.00	23.13	23.12			
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0	
40	PI2 BPSK	1	214	22.98	23.08	23.02			
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0	
40	PI2 BPSK	108	84	23.04	23.11	23.14	24.0	0.0	
40	PI2 BPSK	108	108	22.96	23.07	22.93			
40	PI2 BPSK	216	0	22.98	22.98	23.05	24.0	0.0	
40	QPSK	1	1	23.08	23.25	23.21			
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0	
40	QPSK	1	214	23.02	23.06	23.00			
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0	
40	QPSK	108	84	23.02	23.16	22.97	24.0	0.0	
40	QPSK	108	108	22.98	23.08	22.83	24.0	0.0	
40	QPSK	216	0	23.04	23.12	23.04			
40	16QAM	1	1	23.08	23.21	23.18	24.0	0.0	
40	16QAM	1	1	22.05	22.13	22.08	23.0	1.0	
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.92	23.11	23.06	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	22.89	23.19	23.08	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1858	1882.5	1910			
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1856	1882.5	1912			
10	QPSK	1	1	22.95	23.21	23.17	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	22.90	23.17	23.14	24.0	0.0	

n26 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	23.38	23.40	23.33			
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.11	23.05			
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0	
20	PI2 BPSK	50	28	23.25	23.31	23.18	24.0	0.0	
20	PI2 BPSK	50	56	23.02	23.15	23.08			
20	PI2 BPSK	100	0	23.17	23.28	23.22	24.0	0.0	
20	QPSK	1	1	23.43	23.49	23.38			
20	QPSK	1	53	23.29	23.40	23.32	24.0	0.0	
20	QPSK	1	104	23.27	23.34	23.22			
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0	
20	QPSK	50	28	23.39	23.43	23.32	24.0	0.0	
20	QPSK	50	56	23.20	23.31	23.28	24.0	0.0	
20	QPSK	100	0	23.31	23.38	23.26			
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0	
20	16QAM	1	1	22.31	22.43	22.30	23.0	1.0	
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	23.33	23.30	23.33	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	23.31	23.29	23.25	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0	



n30 DSI5_Simultaneous Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				462000	2310		
Frequency (MHz)							
10	PI/2 BPSK	1	1	18.11			0.0
10	PI/2 BPSK	1	26	18.95			20.5
10	PI/2 BPSK	1	50	18.93			0.0
10	PI/2 BPSK	25	0	18.81			20.5
10	PI/2 BPSK	25	14	19.01			0.0
10	PI/2 BPSK	25	27	18.94			20.5
10	PI/2 BPSK	50	0	18.91			0.0
10	QPSK	1	1	18.14			20.5
10	QPSK	1	26	18.07			0.0
10	QPSK	1	50	18.98			20.5
10	QPSK	25	0	18.99			0.0
10	QPSK	25	14	18.99			20.5
10	QPSK	25	27	18.93			0.0
10	QPSK	50	0	18.93			20.5
10	16QAM	1	1	18.93			0.0
10	16QAM	1	1	18.88			20.5
Channel				461500	462000	462500	
Frequency (MHz)							
5	QPSK	1	1	19.11	19.01	19.13	20.5

n66 DSI5_Simultaneous Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				345000	345000	350000	
Frequency (MHz)							
40	PI/2 BPSK	1	1	20.80	20.83	20.73	0.0
40	PI/2 BPSK	1	108	20.58	20.74	20.72	22.4
40	PI/2 BPSK	1	214	20.74	20.73	20.75	0.0
40	PI/2 BPSK	108	0	20.66	20.70	20.59	22.4
40	PI/2 BPSK	108	54	20.75	20.82	20.71	0.0
40	PI/2 BPSK	108	108	20.61	20.74	20.85	22.4
40	PI/2 BPSK	216	0	20.75	20.76	20.66	0.0
40	QPSK	1	1	20.82	21.02	20.91	22.4
40	QPSK	1	108	20.71	20.85	20.72	0.0
40	QPSK	1	214	20.71	20.78	20.67	22.4
40	QPSK	108	0	20.72	20.78	20.71	0.0
40	QPSK	108	54	20.76	20.85	20.73	22.4
40	QPSK	108	108	20.72	20.84	20.70	0.0
40	QPSK	216	0	20.80	20.87	20.81	22.4
40	16QAM	1	1	20.65	20.74	20.61	0.0
40	16QAM	1	1	20.67	20.73	20.67	22.4
40	256QAM	1	1	19.75	19.90	19.78	21.0
Channel				345000	345000	353000	
Frequency (MHz)							
30	QPSK	1	1	20.63	20.69	20.56	22.4
Channel				344000	349000	354000	
Frequency (MHz)							
20	QPSK	1	1	17.20	17.45	17.60	22.4
20	QPSK	1	1	20.68	20.72	20.66	0.0
Channel				345000	350000	355000	
Frequency (MHz)							
15	QPSK	1	1	17.17.5	17.45	17.72.5	22.4
15	QPSK	1	1	20.66	20.67	20.63	0.0
Channel				345000	349000	350000	
Frequency (MHz)							
10	QPSK	1	1	17.15	17.45	17.75	22.4
10	QPSK	1	1	20.64	20.73	20.63	0.0
Channel				342500	345000	355000	
Frequency (MHz)							
5	QPSK	1	1	20.67	20.73	20.58	22.4



n38 DSI5_Simultaneous Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	18.14	18.21	18.29		
30	PI2 BPSK	1	40	18.10	18.15	18.23	19.2	0.0
30	PI2 BPSK	1	76	18.12	18.45	18.32		
30	PI2 BPSK	36	0	18.15	18.21	18.20	19.2	0.0
30	PI2 BPSK	36	21	18.23	18.16	18.07	19.2	0.0
30	PI2 BPSK	36	42	18.23	18.23	18.36		
30	PI2 BPSK	75	0	18.29	18.27	18.22	19.2	0.0
30	QPSK	1	1	18.15	18.57	18.28		
30	QPSK	1	40	18.17	18.30	18.01	19.2	0.0
30	QPSK	1	76	18.00	18.16	18.25		
30	QPSK	36	0	18.33	18.23	18.34	19.2	0.0
30	QPSK	36	21	18.19	18.53	18.13	19.2	0.0
30	QPSK	36	42	18.22	18.19	18.14	19.2	0.0
30	QPSK	75	0	18.29	18.30	18.00		
30	16QAM	1	1	18.09	18.07	18.06	19.2	0.0
30	64QAM	1	1	18.22	18.34	18.44	19.2	0.0
30	256QAM	1	1	17.52	17.22	17.77	19.2	0.0
Channel				515004	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.10	18.49	18.18	19.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2584	2595	2610		
20	QPSK	1	1	18.05	18.54	18.24	19.2	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.10	18.53	18.23	19.2	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.09	18.49	18.21	19.2	0.0

n41 DSI5_Simultaneous Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				509002	518998	528990		
Frequency (MHz)				2540.01	2552.99	2540		
100	PI2 BPSK	1	1	18.43	18.47	18.38		
100	PI2 BPSK	1	137	18.22	18.30	18.22	19.2	0.0
100	PI2 BPSK	1	271	18.18	18.31	18.21		
100	PI2 BPSK	135	0	18.32	18.41	18.38	19.2	0.0
100	PI2 BPSK	135	69	18.43	18.49	18.40	19.2	0.0
100	PI2 BPSK	135	138	18.17	18.40	18.35		
100	PI2 BPSK	270	0	18.35	18.48	18.35	19.2	0.0
100	QPSK	1	1	18.42	18.63	18.42		
100	QPSK	1	137	18.20	18.34	18.29	19.2	0.0
100	QPSK	1	271	18.25	18.21	18.27		
100	QPSK	135	0	18.34	18.32	18.28	19.2	0.0
100	QPSK	135	69	18.48	18.53	18.23	19.2	0.0
100	QPSK	135	138	18.28	18.43	18.43	19.2	0.0
100	QPSK	270	0	18.29	18.40	18.15		
100	16QAM	1	1	18.43	18.49	18.33	19.2	0.0
100	64QAM	1	1	18.32	18.41	18.21	19.2	0.0
100	256QAM	1	1	17.80	18.03	17.64	19.2	0.0
Channel				510000	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	18.27	18.22	18.17	19.2	0.0
Channel				507004	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.00	2652.99	2648.99		
80	QPSK	1	1	18.21	18.22	18.15	19.2	0.0
Channel				506002	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2652.99	2665		
70	QPSK	1	1	18.20	18.18	18.17	19.2	0.0
Channel				505000	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2652.99	2659.98		
60	QPSK	1	1	18.27	18.18	18.13	19.2	0.0
Channel				504004	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2652.99	2664.99		
50	QPSK	1	1	18.23	18.20	18.12	19.2	0.0
Channel				503002	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616.01	2652.99	2670		
40	QPSK	1	1	18.27	18.21	18.16	19.2	0.0
Channel				502000	518998	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2652.99	2674.98		
30	QPSK	1	1	18.22	18.22	18.10	19.2	0.0
Channel				501004	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2606.02	2652.99	2679.99		
20	QPSK	1	1	18.28	18.20	18.15	19.2	0.0



n41 PC2 DS15_Simultaneous Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq			
Channel				506002	518598	529600			
Frequency (MHz)				2544.01	2592.99	2640			
100	PI2 BPSK	1	1	20.74	20.83	20.77			
100	PI2 BPSK	1	137	20.74	20.92	20.85	22.2	0.0	
100	PI2 BPSK	1	271	20.74	20.86	20.77			
100	PI2 BPSK	135	0	20.86	20.73	20.79	22.2	0.0	
100	PI2 BPSK	135	69	20.98	20.79	20.78	22.2	0.0	
100	PI2 BPSK	135	138	20.84	20.68	20.67			
100	PI2 BPSK	270	0	20.62	20.71	20.81	22.2	0.0	
100	QPSK	1	1	20.82	21.15	20.86			
100	QPSK	1	137	20.86	20.95	20.71	22.2	0.0	
100	QPSK	1	271	20.87	20.82	20.85			
100	QPSK	135	0	20.89	20.87	20.95	22.2	0.0	
100	QPSK	135	69	20.73	21.06	20.78	22.2	0.0	
100	QPSK	135	138	20.87	20.80	20.69	22.2	0.0	
100	QPSK	270	0	20.95	21.04	20.83			
100	16QAM	1	1	20.80	20.77	20.71	22.2	0.0	
100	64QAM	1	1	20.95	20.86	20.97	22.2	0.0	
100	256QAM	1	1	20.85	20.77	20.62	22.0	0.2	
Channel				510200	519598	529998			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	20.61	20.73	20.69	22.2	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2638.02	2692.99	2644.99			
80	QPSK	1	1	20.65	20.70	20.65	22.2	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2695			
70	QPSK	1	1	20.66	20.63	20.69	22.2	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2426	2592.99	2699.98			
60	QPSK	1	1	20.67	20.73	20.70	22.2	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2694.99			
50	QPSK	1	1	20.63	20.68	20.68	22.2	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2416.01	2592.99	2692			
40	QPSK	1	1	20.62	20.72	20.64	22.2	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.67	20.70	20.63	22.2	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2606.02	2592.99	2679.99			
20	QPSK	1	1	20.65	20.70	20.67	22.2	0.0	

n48 Part96 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq			
Channel				638000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	20.87	21.01	20.96			
40	PI2 BPSK	1	53	20.85	20.99	20.89	22.0	0.0	
40	PI2 BPSK	1	104	20.91	20.95	20.91			
40	PI2 BPSK	50	0	20.80	20.90	20.84	22.0	0.0	
40	PI2 BPSK	50	26	20.84	20.97	20.82	22.0	0.0	
40	PI2 BPSK	50	55	20.84	20.89	20.84	22.0	0.0	
40	PI2 BPSK	100	0	20.88	20.93	20.80			
40	QPSK	1	1	20.99	21.09	20.94			
40	QPSK	1	53	20.95	21.03	20.97	22.0	0.0	
40	QPSK	1	104	20.92	20.96	20.93			
40	QPSK	50	0	20.92	21.01	20.93	22.0	0.0	
40	QPSK	50	28	20.94	21.05	20.88	22.0	0.0	
40	QPSK	50	56	20.87	20.94	20.82	22.0	0.0	
40	QPSK	100	0	20.90	20.97	20.83			
40	16QAM	1	1	20.85	20.89	20.81	22.0	0.0	
40	64QAM	1	1	19.69	19.78	19.74	21.0	1.0	
40	256QAM	1	1	18.14	18.27	18.17	19.0	3.0	
Channel				637000	641666	646000			
Frequency (MHz)				3665.02	3694.99	3684.99			
30	QPSK	1	1	20.67	21.03	20.63	22.0	0.0	
Channel				637204	641666	646000			
Frequency (MHz)				3662.01	3624.99	3660			
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	20.90	20.89	20.89	22.0	0.0	



Part270 n77 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.81	22.94	22.91		
100	PI2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0
100	PI2 BPSK	1	271	22.77	22.89	22.77		
100	PI2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	PI2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	PI2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	PI2 BPSK	270	0	22.82	22.92	22.81	24.0	0.0
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.94	22.90	22.77	24.0	0.0
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
40	QPSK	1	1	22.74	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
30	QPSK	1	1	22.71	22.98	22.93	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

Part270 n77 PC2 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	25.68	25.92	25.60		
100	PI2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	PI2 BPSK	1	271	25.88	26.07	26.03		
100	PI2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	PI2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	PI2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	PI2 BPSK	270	0	25.70	25.91	25.87	27.0	0.0
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81	27.0	0.0
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
30	QPSK	1	1	25.76	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
10	QPSK	1	1	25.77	25.98	25.96	27.0	0.0

Part27Q n77 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			23.24		
100	PI2 BPSK	1	137			23.32	24.0	0.0
100	PI2 BPSK	1	271			23.26		
100	PI2 BPSK	135	0			23.22	24.0	0.0
100	PI2 BPSK	135	69			23.23	24.0	0.0
100	PI2 BPSK	135	138			23.26	24.0	0.0
100	PI2 BPSK	270	0			23.20	24.0	0.0
100	QPSK	1	1			23.36		
100	QPSK	1	137			23.28	24.0	0.0
100	QPSK	1	271			23.24		
100	QPSK	135	0			23.24	24.0	0.0
100	QPSK	135	69			23.29	24.0	0.0
100	QPSK	135	138			23.24	24.0	0.0
100	QPSK	270	0			23.23	24.0	0.0
100	16QAM	1	1			23.21	23.0	1.0
100	64QAM	1	1			22.32	23.0	1.0
100	256QAM	1	1			20.50	21.0	3.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
90	QPSK	1	1	23.21	23.27	23.17	24.0	0.0
Channel								
Frequency (MHz)				633088	633334	633600		
80	QPSK	1	1	23.28	23.24	23.26	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
70	QPSK	1	1	23.15	23.27	23.15	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
60	QPSK	1	1	23.20	23.23	23.15	24.0	0.0
Channel								
Frequency (MHz)				633166	633334	633500		
50	QPSK	1	1	23.22	23.32	23.19	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
40	QPSK	1	1	23.16	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
30	QPSK	1	1	23.24	23.33	23.23	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
20	QPSK	1	1	23.17	23.26	23.18	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
15	QPSK	1	1	23.29	23.25	23.13	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
10	QPSK	1	1	23.21	23.28	23.18	24.0	0.0



Part27Q n77 PC2 Ant0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		26.35			
100	PI2 BPSK	1	137		26.39		27.0	0.0
100	PI2 BPSK	1	271		26.38			
100	PI2 BPSK	135	0		26.33		27.0	0.0
100	PI2 BPSK	135	69		26.29		27.0	0.0
100	PI2 BPSK	135	138		26.35		27.0	0.0
100	PI2 BPSK	270	0		26.38			
100	QPSK	1	1		26.46			
100	QPSK	1	137		26.36		27.0	0.0
100	QPSK	1	271		26.31			
100	QPSK	135	0		26.29		27.0	0.0
100	QPSK	135	69		26.35		27.0	0.0
100	QPSK	135	138		26.26		27.0	0.0
100	QPSK	270	0		26.40			
100	16QAM	1	1		26.29		27.0	0.0
100	64QAM	1	1		26.06		26.5	0.5
100	256QAM	1	1		24.11		24.6	2.6
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel				3495	3500.01	3505.02		
90	QPSK	1	1	26.30	26.34	26.43	27.0	0.0
Channel								
Frequency (MHz)				630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel				3498.02	3500.01	3502		
80	QPSK	1	1	26.38	26.40	26.29	27.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Channel				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.30	26.39	26.29	27.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel				3480	3500.01	3520.02		
60	QPSK	1	1	26.36	26.31	26.34	27.0	0.0
Channel								
Frequency (MHz)				631868	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel				3475.02	3500.01	3525		
50	QPSK	1	1	26.38	26.33	26.37	27.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.42	26.36	26.32	27.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Channel				3465	3500.01	3535.02		
30	QPSK	1	1	26.32	26.33	26.43	27.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel				3460.02	3500.01	3540		
20	QPSK	1	1	26.36	26.38	26.41	27.0	0.0
Channel								
Frequency (MHz)				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
Channel				3455.0	3500.01	3545.02		
15	QPSK	1	1	26.42	26.33	26.37	27.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel				3450.01	3500.01	3545.01		
10	QPSK	1	1	26.35	26.31	26.34	27.0	0.0



Part270 n78 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		23.5	0.5	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	2.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.78	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.52	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.82	22.73	22.74	24.0	0.0
Channel									
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.83	22.73	22.72	24.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

Part270 n78 PC2 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.85	25.94	25.87	27.0	0.0
Channel									
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.92	25.92	25.85	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	0.0

Part27Q n78 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		23.5	0.5	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	2.0	
100	256QAM	1	1		19.48		20.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.15	23.19	23.25	24.0	0.0
Channel									
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.24	23.27	23.16	24.0	0.0
Channel									
Frequency (MHz)				63030	63334	63608	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.19	23.25	24.0	0.0



Part27Q n78 PC2 Ant0

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq. 633334	High Ch. / Freq.		
Channel					3000.01			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.24			27.0	0.0
100	PI2 BPSK	1	137	28.33				
100	PI2 BPSK	1	271	28.28				
100	PI2 BPSK	135	0	28.22			27.0	0.0
100	PI2 BPSK	135	69	28.32			27.0	0.0
100	PI2 BPSK	135	138	28.27			27.0	0.0
100	PI2 BPSK	270	0	28.25				
100	QPSK	1	1	28.38			27.0	0.0
100	QPSK	1	137	28.29				
100	QPSK	1	271	28.25				
100	QPSK	135	0	28.30			27.0	0.0
100	QPSK	135	69	28.35			27.0	0.0
100	QPSK	135	138	28.32			27.0	0.0
100	QPSK	270	0	28.23				
100	16QAM	1	1	28.18			27.0	0.0
100	64QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.16			23.5	3.5
Channel				633000	633334	633668		
Frequency (MHz)				3485	3000.01	3005.02		
90	QPSK	1	1	28.16	28.26	28.22	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3000.01	3010		
80	QPSK	1	1	28.24	28.24	28.24	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3000.01	3115.01		
70	QPSK	1	1	28.22	28.29	28.29	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3000.01	3020.02		
60	QPSK	1	1	28.20	28.26	28.16	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3000.01	3025		
50	QPSK	1	1	28.28	28.29	28.28	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3000.01	3028.01		
40	QPSK	1	1	28.18	28.23	28.29	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3000.01	3035.02		
30	QPSK	1	1	28.32	28.32	28.29	27.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3480.02	3000.01	3040		
20	QPSK	1	1	28.22	28.27	28.20	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475.15	3000.01	3042.02		
15	QPSK	1	1	28.18	28.35	28.28	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3000.01	3043.01		
10	QPSK	1	1	28.29	28.32	28.27	27.0	0.0



n2 Default Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1690			
20	PI2 BPSK	1	1	20.26	20.35	20.26			
20	PI2 BPSK	1	53	20.21	20.27	20.19	21.6	0.0	
20	PI2 BPSK	1	104	20.29	20.29	20.18			
20	PI2 BPSK	50	0	20.21	20.22	20.26	21.6	0.0	
20	PI2 BPSK	50	28	20.21	20.34	20.24	21.6	0.0	
20	PI2 BPSK	50	56	20.22	20.27	20.17	21.6	0.0	
20	PI2 BPSK	100	0	20.14	20.30	20.17			
20	QPSK	1	1	20.37	20.55	20.39			
20	QPSK	1	53	20.24	20.34	20.27	21.6	0.0	
20	QPSK	1	104	20.14	20.30	20.20			
20	QPSK	50	0	20.27	20.25	20.16	21.6	0.0	
20	QPSK	50	28	20.31	20.46	20.27	21.6	0.0	
20	QPSK	50	56	20.27	20.30	20.27	21.6	0.0	
20	QPSK	100	0	20.26	20.32	20.20			
20	16QAM	1	1	20.24	20.27	20.14	21.6	0.0	
20	64QAM	1	1	20.18	20.34	20.30	21.6	0.0	
20	256QAM	1	1	19.30	19.41	19.29	23.0	1.6	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	20.34	20.47	20.35	21.6	0.0	
Channel									
Frequency (MHz)				3710.00	3760.00	3810.00			
10	QPSK	1	1	20.28	20.48	20.36	21.6	0.0	
Channel									
Frequency (MHz)				3705.00	3760.00	3815.00			
5	QPSK	1	1	20.31	20.50	20.34	21.6	0.0	

n5 Default Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1668.00	1679.00	1676.00			
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	23.0	2.0	
Channel									
Frequency (MHz)				1620.00	1620.00	1620.00			
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)				1658.00	1670.00	1680.00			
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)				1663.00	1670.00	1663.00			
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 DS15_Simultaneous Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				5060.00	5070.00	5100.00			
40	PI2 BPSK	1	1	18.89	18.97	18.17			
40	PI2 BPSK	1	108	18.87	19.23	19.11	20.6	0.0	
40	PI2 BPSK	1	214	19.01	19.04	18.93			
40	PI2 BPSK	108	0	18.81	19.10	18.91	20.6	0.0	
40	PI2 BPSK	108	54	19.04	18.93	18.91	20.6	0.0	
40	PI2 BPSK	108	108	18.97	19.14	18.99	20.6	0.0	
40	PI2 BPSK	216	0	19.12	19.08	18.87			
40	QPSK	1	1	19.04	19.30	18.94			
40	QPSK	1	108	19.10	19.11	18.95	20.6	0.0	
40	QPSK	1	214	18.96	19.18	19.04			
40	QPSK	108	0	19.02	18.90	18.94	20.6	0.0	
40	QPSK	108	54	19.03	19.24	18.99	20.6	0.0	
40	QPSK	108	108	18.94	19.23	19.03	20.6	0.0	
40	QPSK	216	0	18.94	19.07	18.98			
40	16QAM	1	1	18.98	19.17	19.02	20.6	0.0	
40	64QAM	1	1	18.93	19.05	19.11	20.6	0.0	
40	256QAM	1	1	18.86	19.19	19.08	20.6	0.0	
Channel									
Frequency (MHz)				5200.00	5210.00	5190.00			
30	QPSK	1	1	18.91	19.07	18.85	20.6	0.0	
Channel									
Frequency (MHz)				5025.00	5070.00	5115.00			
25	QPSK	1	1	18.88	19.12	18.83	20.6	0.0	
Channel									
Frequency (MHz)				5020.00	5070.00	5120.00			
20	PI2 BPSK	1	1	18.78	19.12	19.83	20.6	0.0	
Channel									
Frequency (MHz)				5015.00	5070.00	5125.00			
15	QPSK	1	1	18.86	19.30	19.81	20.6	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	18.77	19.00	18.82	20.6	0.0	
Channel									
Frequency (MHz)				5005.00	5070.00	5130.00			
5	QPSK	1	1	18.77	19.00	18.65	20.6	0.0	



n12 Default Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141600	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	21.52	21.56	21.76		
15	PI2 BPSK	1	49	21.64	21.71	21.86	23.0	0.0
15	PI2 BPSK	1	77	21.49	21.59	21.46		
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0
15	PI2 BPSK	75	0	21.71	21.79	21.70		
15	QPSK	1	1	21.87	21.95	21.82		
15	QPSK	1	49	21.76	21.83	21.74	23.0	0.0
15	QPSK	1	77	21.70	21.79	21.97		
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0
15	QPSK	75	0	21.72	21.76	21.74		
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0
15	256QAM	1	1	19.33	19.41	19.29	23.0	3.0
Channel				142000	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711	(dBm)	(dB)
10	QPSK	1	1	21.82	21.88	21.69	23.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0

n13 Default Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				155900	156400	156600		
Frequency (MHz)				782				
10	PI2 BPSK	1	1	21.84				
10	PI2 BPSK	1	26	21.79			23.0	0.0
10	PI2 BPSK	1	50	21.72				
10	PI2 BPSK	25	0	20.93			22.5	0.5
10	PI2 BPSK	25	14	21.86			23.0	0.0
10	PI2 BPSK	25	27	21.76			22.5	0.5
10	PI2 BPSK	50	0	21.81				
10	QPSK	1	1	21.94				
10	QPSK	1	26	21.87			23.0	0.0
10	QPSK	1	50	21.83				
10	QPSK	25	0	20.89			22.0	1.0
10	QPSK	25	14	21.89			23.0	0.0
10	QPSK	25	27	21.13			22.0	1.0
10	QPSK	50	0	21.16				
10	16QAM	1	1	20.71			22.0	1.0
10	64QAM	1	1	19.53			20.5	2.5
10	256QAM	1	1	18.22			18.5	4.5
Channel				155900	156400	156600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5	(dBm)	(dB)
5	QPSK	1	1	21.80	21.87	21.81	23.0	0.0

n14 Default Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158100	158600	158800		
Frequency (MHz)				793				
10	PI2 BPSK	1	1	21.98				
10	PI2 BPSK	1	26	21.90			23.0	0.0
10	PI2 BPSK	1	50	21.86				
10	PI2 BPSK	25	0	21.89			23.0	0.0
10	PI2 BPSK	25	14	21.95			23.0	0.0
10	PI2 BPSK	25	27	21.86			23.0	0.0
10	PI2 BPSK	50	0	21.93				
10	QPSK	1	1	22.04				
10	QPSK	1	26	22.01			23.0	0.0
10	QPSK	1	50	21.96				
10	QPSK	25	0	21.94			23.0	0.0
10	QPSK	25	14	21.99			23.0	0.0
10	QPSK	25	27	21.87			23.0	0.0
10	QPSK	50	0	21.94				
10	16QAM	1	1	21.88			23.0	0.0
10	64QAM	1	1	20.85			22.0	1.0
10	256QAM	1	1	19.09			20.0	3.0
Channel				158100	158600	158800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5	(dBm)	(dB)
5	QPSK	1	1	21.93	21.98	21.91	23.0	0.0



n25 DSI5_Simultaneous Ant1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				374500	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI2 BPSK	1	1	20.37	20.44	20.38	
40	PI2 BPSK	1	108	20.32	20.40	20.25	21.6
40	PI2 BPSK	1	214	20.36	20.38	20.28	
40	PI2 BPSK	108	0	20.33	20.36	20.34	21.6
40	PI2 BPSK	108	54	20.32	20.47	20.36	21.6
40	PI2 BPSK	108	108	20.31	20.37	20.29	21.6
40	PI2 BPSK	216	0	20.26	20.41	20.27	21.6
40	QPSK	1	1	20.49	20.64	20.47	
40	QPSK	1	108	20.36	20.46	20.29	21.6
40	QPSK	1	214	20.27	20.44	20.35	
40	QPSK	108	0	20.34	20.38	20.25	21.6
40	QPSK	108	54	20.43	20.58	20.35	21.6
40	QPSK	108	108	20.40	20.29	20.33	21.6
40	QPSK	216	0	20.33	20.43	20.33	21.6
40	16QAM	1	1	20.34	20.33	20.27	21.6
40	64QAM	1	1	20.32	20.42	20.37	21.6
40	256QAM	1	1	19.07	19.13	19.00	20.0
Channel				372500	376500	380500	
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	20.40	20.49	20.31	21.6
Channel				372500	376500	380500	
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	20.44	20.47	20.39	21.6
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	20.43	20.45	20.32	21.6
Channel				371500	376500	381500	
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	20.41	20.50	20.20	21.6
Channel				371000	376500	382000	
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	20.41	20.49	20.33	21.6
Channel				370500	376500	382500	
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	20.39	20.46	20.35	21.6

n26 Default Ant1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI2 BPSK	1	1	22.07	22.11	22.02	
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0
20	PI2 BPSK	1	104	21.85	21.91	21.80	
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0
20	PI2 BPSK	50	26	21.94	22.06	21.94	23.0
20	PI2 BPSK	50	55	21.83	21.91	21.81	23.0
20	PI2 BPSK	100	0	21.92	22.01	21.95	
20	QPSK	1	1	22.03	22.15	22.04	
20	QPSK	1	53	21.99	22.10	22.07	23.0
20	QPSK	1	104	21.91	22.05	21.94	
20	QPSK	50	0	21.87	22.01	21.92	23.0
20	QPSK	50	28	22.08	22.12	22.06	23.0
20	QPSK	50	56	21.92	21.99	21.93	23.0
20	QPSK	100	0	22.02	22.08	21.94	23.0
20	16QAM	1	1	21.64	21.75	21.69	23.0
20	64QAM	1	1	20.96	21.11	21.08	22.0
20	256QAM	1	1	19.32	19.41	19.23	20.0
Channel				165300	166300	166300	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	1	22.02	22.08	21.95	23.0
Channel				163800	166300	168800	
Frequency (MHz)				816	831.5	844	
10	QPSK	1	1	21.97	22.03	21.88	23.0
Channel				163300	166300	169300	
Frequency (MHz)				813	831.5	846.5	
5	QPSK	1	1	21.95	22.00	21.91	23.0



n30 DSI5_Simultaneous Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	19.87	2310				
10	PI2 BPSK	1	26	19.81			21.2	0.0	
10	PI2 BPSK	1	50	19.69					
10	PI2 BPSK	25	0	19.62			21.2	0.0	
10	PI2 BPSK	25	14	19.79			21.2	0.0	
10	PI2 BPSK	25	27	19.78					
10	PI2 BPSK	50	0	19.74			21.2	0.0	
10	QPSK	1	1	19.95					
10	QPSK	1	26	19.82			21.2	0.0	
10	QPSK	1	50	19.75					
10	QPSK	25	0	19.71			21.2	0.0	
10	QPSK	25	14	19.84			21.2	0.0	
10	QPSK	25	27	19.76			21.2	0.0	
10	QPSK	50	0	19.71					
10	16QAM	1	1	19.78			21.2	0.0	
10	64QAM	1	1	19.70			21.2	0.0	
10	256QAM	1	1	19.64			21.0	1.2	
Channel									
Frequency (MHz)									
5	QPSK	1	1	461390	462010	462500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	2307.5	2310	2312.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.66	19.68	19.62	21.2	0.0	

n66 DSI5_Simultaneous Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	21.67	1745	1760			
40	PI2 BPSK	1	108	21.49	21.61	21.55	22.8	0.0	
40	PI2 BPSK	1	214	21.58	21.63	21.60			
40	PI2 BPSK	108	0	21.50	21.59	21.48	22.8	0.0	
40	PI2 BPSK	108	54	21.65	21.70	21.56	22.8	0.0	
40	PI2 BPSK	108	108	21.50	21.58	21.52	22.8	0.0	
40	PI2 BPSK	216	0	21.59	21.64	21.52			
40	QPSK	1	1	21.67	21.79	21.74			
40	QPSK	1	108	21.62	21.72	21.63	22.8	0.0	
40	QPSK	1	214	21.57	21.67	21.54			
40	QPSK	108	0	21.57	21.62	21.57	22.8	0.0	
40	QPSK	108	54	21.62	21.74	21.60	22.8	0.0	
40	QPSK	108	108	21.60	21.68	21.55	22.8	0.0	
40	QPSK	216	0	21.67	21.71	21.64			
40	16QAM	1	1	21.52	21.63	21.52	22.8	0.0	
40	64QAM	1	1	20.82	20.97	20.93	22.0	0.8	
40	256QAM	1	1	19.02	19.77	19.88	21.0	2.8	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.64	21.70	21.60	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.64	21.75	21.64	22.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	343000	343000	343000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.60	21.73	21.62	22.8	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.52	21.71	21.68	22.8	0.0	

n70 Simultaneous Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	21.40	1702.5				
15	PI2 BPSK	1	40	21.41			22.6	0.0	
15	PI2 BPSK	1	77	21.30					
15	PI2 BPSK	36	0	21.34			22.5	0.1	
15	PI2 BPSK	36	22	21.34			22.6	0.0	
15	PI2 BPSK	36	43	21.26			22.5	0.1	
15	PI2 BPSK	75	0	21.32					
15	QPSK	1	1	21.46					
15	QPSK	1	40	21.45			22.6	0.0	
15	QPSK	1	77	21.37					
15	QPSK	36	0	21.21			22.0	0.6	
15	QPSK	36	22	21.25			22.6	0.0	
15	QPSK	36	43	21.11			22.0	0.6	
15	QPSK	75	0	21.21					
15	16QAM	1	1	21.34			22.0	0.6	
15	64QAM	1	1	19.88			20.5	2.1	
15	256QAM	1	1	18.5			17.92	4.1	
Channel									
Frequency (MHz)									
10	QPSK	1	1	345000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	1700	1702.5	1705	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.36	21.41	21.32	22.6	0.0	



n71 Default Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.07	22.18	22.14		
20	PI/2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI/2 BPSK	1	104	21.91	22.06	21.99		
20	PI/2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI/2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI/2 BPSK	50	56	22.03	22.07	21.98		
20	PI/2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.16	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	56	21.91	22.06	21.99		
20	QPSK	100	0	22.03	22.13	21.99	23.0	0.0
20	16QAM	1	1	21.96	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.99	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.49	19.42	23.0	3.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit	MPR
Frequency (MHz)				688	690.5	693	(dBm)	(dB)
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				690.5	691.5	692.5	(dBm)	(dB)
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 DSI5_Simultaneous Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	19.43	19.46	19.43		
30	PI2 BPSK	1	1	19.28	19.44	19.40	20.6	0.0
30	PI2 BPSK	1	76	19.17	19.31	19.17		
30	PI2 BPSK	36	0	19.32	19.46	19.35	20.6	0.0
30	PI2 BPSK	36	21	19.36	19.41	19.34	20.6	0.0
30	PI2 BPSK	36	42	19.31	19.37	19.32		
30	PI2 BPSK	75	0	19.34	19.43	19.39	20.6	0.0
30	QPSK	1	1	19.47	19.56	19.54		
30	QPSK	1	40	19.32	19.43	19.29	20.6	0.0
30	QPSK	1	76	19.46	19.53	19.47		
30	QPSK	36	0	19.31	19.48	19.43	20.6	0.0
30	QPSK	36	21	19.45	19.53	19.43	20.6	0.0
30	QPSK	36	42	19.34	19.38	19.24	20.6	0.0
30	QPSK	75	0	19.34	19.43	19.39		
30	16QAM	1	1	19.31	19.43	19.32	20.6	0.0
30	64QAM	1	1	19.35	19.48	19.36	20.6	0.0
30	256QAM	1	1	19.74	19.83	19.63	19.5	1.1
Channel				515004	519000	521006	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	19.38	19.52	19.45	20.6	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
20	QPSK	1	1	19.41	19.50	19.50	20.6	0.0
Channel				515002	519000	524008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.39	19.48	19.43	20.6	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2576.02	2595	2614.98		
10	QPSK	1	1	19.41	19.47	19.51	20.6	0.0

n41 DSI5_Simultaneous Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518698	528600		
Frequency (MHz)				2540.01	2552.99	2560		
100	PI2 BPSK	1	1	19.40	19.60	19.30		
100	PI2 BPSK	1	137	19.59	19.64	19.52	20.6	0.0
100	PI2 BPSK	1	271	19.48	19.62	19.47		
100	PI2 BPSK	135	0	19.53	19.62	19.58	20.6	0.0
100	PI2 BPSK	135	69	19.48	19.59	19.46	20.6	0.0
100	PI2 BPSK	135	138	19.37	19.50	19.45		
100	PI2 BPSK	270	0	19.48	19.51	19.40	20.6	0.0
100	QPSK	1	1	19.50	19.60	19.58		
100	QPSK	1	137	19.42	19.57	19.45	20.6	0.0
100	QPSK	1	271	19.50	19.65	19.51		
100	QPSK	135	0	19.35	19.57	19.49	20.6	0.0
100	QPSK	135	69	19.50	19.58	19.46	20.6	0.0
100	QPSK	135	138	19.45	19.55	19.49	20.6	0.0
100	QPSK	270	0	19.45	19.51	19.47		
100	16QAM	1	1	19.45	19.59	19.48	20.6	0.0
100	64QAM	1	1	19.60	19.60	19.50	20.5	0.1
100	256QAM	1	1	17.72	17.83	17.75	18.5	2.1
Channel				515000	518698	529698	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	19.08	19.29	19.13	20.6	0.0
Channel				507204	518698	529698	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2652.99	2648.99		
80	QPSK	1	1	19.07	19.26	19.11	20.6	0.0
Channel				506002	518698	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2552.99	2605		
70	QPSK	1	1	19.07	19.26	19.13	20.6	0.0
Channel				505000	518698	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2552.99	2609.98		
60	QPSK	1	1	19.00	19.26	19.10	20.6	0.0
Channel				505004	518698	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2552.99	2604.99		
50	QPSK	1	1	19.08	19.29	19.12	20.6	0.0
Channel				503002	518698	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2416.01	2552.99	2600		
40	QPSK	1	1	19.07	19.25	19.07	20.6	0.0
Channel				502000	518698	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2552.99	2674.98		
30	QPSK	1	1	19.65	19.51	19.13	20.6	0.0
Channel				501004	518698	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2552.99	2679.99		
20	QPSK	1	1	19.03	19.31	19.14	20.6	0.0



n41 PC2 DS15_Simultaneous Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
				506002	518598	526000			
				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	22.83	22.73	22.65			
100	PI2 BPSK	1	137	22.55	22.75	22.65	23.6	0.0	
100	PI2 BPSK	1	271	22.49	22.61	22.62			
100	PI2 BPSK	135	0	22.36	22.51	22.55	23.6	0.0	
100	PI2 BPSK	135	69	22.33	22.63	22.65	23.6	0.0	
100	PI2 BPSK	135	138	22.45	22.58	22.53			
100	PI2 BPSK	270	0	22.51	22.61	22.56	23.6	0.0	
100	QPSK	1	1	22.73	22.86	22.73			
100	QPSK	1	137	22.44	22.70	22.70	23.6	0.0	
100	QPSK	1	271	22.45	22.67	22.65			
100	QPSK	135	0	22.04	22.21	22.21	23.6	0.0	
100	QPSK	135	69	22.70	22.75	22.69	23.6	0.0	
100	QPSK	135	138	22.07	22.22	22.18			
100	QPSK	270	0	22.61	22.77	22.74	23.6	0.0	
100	16QAM	1	1	21.95	22.11	22.04	23.6	0.0	
100	64QAM	1	1	22.75	22.81	22.66	23.6	0.0	
100	256QAM	1	1	20.92	21.04	20.90	22.0	1.0	
				510000	518598	526998			
				2541	2592.99	2644.98			
90	QPSK	1	1	22.24	22.49	22.27	23.6	0.0	
				507204	518598	526998			
				2638.00	2692.99	2644.99			
80	QPSK	1	1	22.27	22.49	22.24	23.6	0.0	
				506002	518598	531000			
				2631.01	2692.99	2695			
70	QPSK	1	1	22.23	22.43	22.25	23.6	0.0	
				505000	518598	531996			
				2626	2692.99	2699.98			
60	QPSK	1	1	22.24	22.44	22.21	23.6	0.0	
				504004	518598	532000			
				2621.02	2692.99	2664.99			
50	QPSK	1	1	22.26	22.44	22.28	23.6	0.0	
				503002	518598	534000			
				2616.01	2692.99	2692			
40	QPSK	1	1	22.24	22.50	22.28	23.6	0.0	
				502000	518598	534996			
				2511	2692.99	2674.98			
30	QPSK	1	1	22.24	22.50	22.25	23.0	0.0	
				501004	518598	535996			
				2606.02	2692.99	2679.99			
20	QPSK	1	1	22.26	22.45	22.28	23.6	0.0	

n48 Part96 Default Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
				638000	641666	645332			
				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	23.65	23.66	23.63			
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0	
40	PI2 BPSK	1	104	23.49	23.52	23.45			
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5	
40	PI2 BPSK	50	26	23.53	23.67	23.56	24.0	0.0	
40	PI2 BPSK	50	56	23.14	23.18	23.14			
40	PI2 BPSK	100	0	23.14	23.22	23.22	23.5	0.5	
40	QPSK	1	1	23.65	23.73	23.56			
40	QPSK	1	53	23.54	23.62	23.60	24.0	0.0	
40	QPSK	1	104	23.41	23.62	23.51			
40	QPSK	50	0	22.65	22.82	22.64	23.0	1.0	
40	QPSK	50	28	23.80	23.70	23.47	24.0	0.0	
40	QPSK	50	56	22.57	22.69	22.64			
40	QPSK	100	0	22.63	22.82	22.71	23.0	1.0	
40	16QAM	1	1	22.56	22.67	22.58	23.0	1.0	
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5	
40	256QAM	1	1	19.17	19.25	19.25	19.5	4.5	
				#REF!	#REF!	#REF!			
				#REF!	#REF!	#REF!			
30	QPSK	1	1	23.16	23.22	23.03	24.0	0.0	
				#REF!	#REF!	#REF!			
				#REF!	#REF!	#REF!			
20	QPSK	1	1	23.16	23.19	23.05	24.0	0.0	
				#REF!	#REF!	#REF!			
				#REF!	#REF!	#REF!			
10	QPSK	1	1	23.16	23.25	23.05	24.0	0.0	



Part270 n77 DSI5_Simultaneous Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.82	21.84	21.79		
100	PI2 BPSK	1	137	21.91	21.95	21.91	23.2	0.0
100	PI2 BPSK	1	271	21.79	21.88	21.73		
100	PI2 BPSK	135	0	21.76	21.92	21.79	23.2	0.0
100	PI2 BPSK	135	69	21.79	21.90	21.80	23.2	0.0
100	PI2 BPSK	135	138	21.80	21.83	21.88	23.2	0.0
100	PI2 BPSK	270	0	21.83	21.90	21.87	23.2	0.0
100	QPSK	1	1	21.86	21.96	21.92		
100	QPSK	1	137	21.82	21.85	21.88	23.2	0.0
100	QPSK	1	271	21.83	21.83	21.83		
100	QPSK	135	0	21.79	21.86	21.83	23.0	0.2
100	QPSK	135	69	21.87	21.90	21.77	23.2	0.0
100	QPSK	135	138	21.80	21.84	21.83	23.0	0.2
100	QPSK	270	0	21.83	21.90	21.87	23.0	0.2
100	16QAM	1	1	21.83	21.87	21.80	23.0	0.2
100	64QAM	1	1	20.21	20.38	20.24	21.5	1.7
100	256QAM	1	1	18.50	18.01	18.50	18.8	3.7
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.77	21.84	21.83	23.2	0.0
Channel								
Frequency (MHz)				4843.34	495000	495000		
80	QPSK	1	1	24.82	24.82	24.83	26.2	0.0
Channel								
Frequency (MHz)				6490.00	650000	650000		
70	QPSK	1	1	21.74	21.88	21.88	23.2	0.0
Channel								
Frequency (MHz)				6496.68	650000	6503.34		
60	QPSK	1	1	21.80	21.91	21.85	23.2	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.81	21.88	21.88	23.2	0.0
Channel								
Frequency (MHz)				6480.00	650000	650000		
40	QPSK	1	1	21.73	21.86	21.87	23.2	0.0
Channel								
Frequency (MHz)				6476.68	650000	6543.34		
30	QPSK	1	1	21.83	21.86	21.76	23.2	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.74	21.88	21.81	23.2	0.0
Channel								
Frequency (MHz)				6471.68	650000	6543.34		
15	QPSK	1	1	21.72	21.88	21.77	23.2	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.70	21.92	21.84	23.2	0.0

Part270 n77 PC2 DSI5_Simultaneous Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.77	24.89	24.78		
100	PI2 BPSK	1	137	24.77	24.90	24.79	26.2	0.0
100	PI2 BPSK	1	271	24.72	24.88	24.75		
100	PI2 BPSK	135	0	24.87	24.90	24.85	26.2	0.0
100	PI2 BPSK	135	69	24.80	25.02	24.92	26.2	0.0
100	PI2 BPSK	135	138	24.87	24.94	24.92	26.2	0.0
100	PI2 BPSK	270	0	24.86	24.89	24.75	26.2	0.0
100	QPSK	1	1	24.86	25.03	24.99		
100	QPSK	1	137	24.80	24.94	24.89	26.2	0.0
100	QPSK	1	271	24.86	24.94	24.78		
100	QPSK	135	0	24.76	24.91	24.86	26.2	0.0
100	QPSK	135	69	24.89	25.01	24.85	26.2	0.0
100	QPSK	135	138	24.91	25.00	24.97	26.2	0.0
100	QPSK	270	0	24.76	24.90	24.78	26.2	0.0
100	16QAM	1	1	24.91	24.97	24.91	26.2	0.0
100	64QAM	1	1	23.89	23.74	23.85	25.0	1.2
100	256QAM	1	1	21.79	21.62	21.71	23.0	3.2
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.78	24.95	24.94	26.2	0.0
Channel								
Frequency (MHz)				4843.34	495000	495000		
80	QPSK	1	1	24.82	24.90	24.97	26.2	0.0
Channel								
Frequency (MHz)				6490.00	650000	650000		
70	QPSK	1	1	24.83	24.90	24.91	26.2	0.0
Channel								
Frequency (MHz)				6496.68	650000	6503.34		
60	QPSK	1	1	24.79	24.95	24.85	26.2	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.73	24.89	24.92	26.2	0.0
Channel								
Frequency (MHz)				6480.00	650000	650000		
40	QPSK	1	1	24.76	24.93	24.86	26.2	0.0
Channel								
Frequency (MHz)				6476.68	650000	6543.34		
30	QPSK	1	1	24.72	24.98	24.98	26.2	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.73	24.97	24.96	26.2	0.0
Channel								
Frequency (MHz)				6471.68	650000	6543.34		
15	QPSK	1	1	24.78	25.00	24.92	26.2	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.74	24.87	24.85	26.2	0.0

Part270 n77 DSI5_Simultaneous Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			22.42		
100	PI2 BPSK	1	137			22.46	23.2	0.0
100	PI2 BPSK	1	271			22.44		
100	PI2 BPSK	135	0			22.45	23.2	0.0
100	PI2 BPSK	135	69			22.38	23.2	0.0
100	PI2 BPSK	135	138			22.44	23.2	0.0
100	PI2 BPSK	270	0			22.34	23.2	0.0
100	QPSK	1	1			22.47		
100	QPSK	1	137			22.43	23.2	0.0
100	QPSK	1	271			22.37		
100	QPSK	135	0			22.40	23.0	0.2
100	QPSK	135	69			22.42	23.2	0.0
100	QPSK	135	138			22.32	23.0	0.2
100	QPSK	270	0			22.35	23.0	0.2
100	16QAM	1	1			22.24	23.0	0.2
100	64QAM	1	1			20.78	21.5	1.7
100	256QAM	1	1			18.90	18.8	3.7
Channel								
Frequency (MHz)				6330.00	633334	633668		
90	QPSK	1	1	22.31	22.33	22.32	23.2	0.0
Channel								
Frequency (MHz)				6326.68	633334	634000		
80	QPSK	1	1	22.34	22.42	22.38	23.2	0.0
Channel								
Frequency (MHz)				6323.34	633334	634334		
70	QPSK	1	1	22.43	22.39	22.34	23.2	0.0
Channel								
Frequency (MHz)				6320.00	633334	633668		
60	QPSK	1	1	22.35	22.42	22.43	23.2	0.0
Channel								
Frequency (MHz)				6316.68	633334	633000		
50	QPSK	1	1	22.32	22.44	22.43	23.2	0.0
Channel								
Frequency (MHz)				6313.34	633334	633668		
40	QPSK	1	1	22.37	22.45	22.37	23.2	0.0
Channel								
Frequency (MHz)				6310.00	633334	633668		
30	QPSK	1	1	22.40	22.37	22.24	23.2	0.0
Channel								
Frequency (MHz)				6306.68	633334	633000		
20	QPSK	1	1	22.42	22.39	22.36	23.2	0.0
Channel								
Frequency (MHz)				6303.34	633334	633668		
15	QPSK	1	1	22.33	22.36	22.35	23.2	0.0
Channel								
Frequency (MHz)				6300.00	633334	634000		
10	QPSK	1	1	22.35	22.32	22.41	23.2	0.0



Part27Q n77 PC2 DSI5_Simultaneous Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		25.25			
100	PI2 BPSK	1	271		25.44		28.2	0.0
100	PI2 BPSK	135	0		25.43			
100	PI2 BPSK	135	69		25.41		28.2	0.0
100	PI2 BPSK	135	138		25.46		28.2	0.0
100	PI2 BPSK	270	0		25.42		28.2	0.0
100	PI2 BPSK	270	0		25.45			
100	QPSK	1	1		25.50			
100	QPSK	1	137		25.34		28.2	0.0
100	QPSK	1	271		25.48			
100	QPSK	135	0		25.41		28.2	0.0
100	QPSK	135	69		25.46		28.2	0.0
100	QPSK	135	138		25.40		28.2	0.0
100	QPSK	270	0		25.38			
100	16QAM	1	1		25.30		28.2	0.0
100	64QAM	1	1		24.34		25.0	1.2
100	256QAM	1	1		22.37		23.0	3.2
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.38	25.33	25.47	28.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3498.02	3500.01	3501.99	28.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.41	25.34	25.43	28.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631863	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.43	25.43	25.40	28.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3478.01	3500.01	3520.01	28.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.34	25.37	25.47	28.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.43	25.48	25.47	28.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3452.01	3500.01	3542.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.37	25.45	25.45	28.2	0.0



Part270 n78 DSI5_Simultaneous Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		2179				
100	PI2 BPSK	1	137		2176		23.2	0.0	
100	PI2 BPSK	1	271		2186				
100	PI2 BPSK	135	0		2186		23.2	0.0	
100	PI2 BPSK	135	69		2178		23.2	0.0	
100	PI2 BPSK	135	138		2182		23.2	0.0	
100	PI2 BPSK	270	0		2183		23.2	0.0	
100	QPSK	1	1		2190				
100	QPSK	1	137		2184		23.2	0.0	
100	QPSK	1	271		2183				
100	QPSK	135	0		2178		23.0	0.2	
100	QPSK	135	69		2187		23.2	0.0	
100	QPSK	135	138		2186		23.0	0.2	
100	QPSK	270	0		2192		23.0	0.2	
100	16QAM	1	1		2176		21.5	1.7	
100	64QAM	1	1		2032		21.5	1.7	
100	256QAM	1	1		1824		18.5	3.7	
Channel									
Frequency (MHz)				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	2179	2179	2187	23.2	0.0	
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2175	2182	2185	23.2	0.0	
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	2184	2185	2174	23.2	0.0	
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	2179	2182	2179	23.2	0.0	
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	2181	2176	2182	23.2	0.0	
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	2177	2180	2176	23.2	0.0	
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2183	2184	2182	23.2	0.0	
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	2184	2174	2177	23.2	0.0	
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2176	2182	2179	23.2	0.0	
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	2188	2184	2178	23.2	0.0	

Part270 n78 PC2 DSI5_Simultaneous Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		2493				
100	PI2 BPSK	1	137		2492		26.2	0.0	
100	PI2 BPSK	1	271		2488				
100	PI2 BPSK	135	0		2491		26.2	0.0	
100	PI2 BPSK	135	69		2486		26.2	0.0	
100	PI2 BPSK	135	138		2494		26.2	0.0	
100	PI2 BPSK	270	0		2497		26.2	0.0	
100	QPSK	1	1		2500				
100	QPSK	1	137		2485		26.2	0.0	
100	QPSK	1	271		2488				
100	QPSK	135	0		2484		26.2	0.0	
100	QPSK	135	69		2492		26.2	0.0	
100	QPSK	135	138		2485		26.2	0.0	
100	QPSK	270	0		2497		26.2	0.0	
100	16QAM	1	1		2485		25.0	1.2	
100	64QAM	1	1		2194		23.0	3.2	
100	256QAM	1	1		1824		18.5	3.7	
Channel									
Frequency (MHz)				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	2487	2486	2497	26.2	0.0	
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2493	2489	2489	26.2	0.0	
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	2490	2485	2485	23.2	0.0	
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	2490	2486	2490	26.2	0.0	
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	2496	2494	2490	26.2	0.0	
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	2497	2485	2490	26.2	0.0	
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2494	2485	2486	23.2	0.0	
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	2498	2485	2492	26.2	0.0	
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2498	2491	2491	26.2	0.0	
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	2493	2491	2485	23.2	0.0	

Part27Q n78 DSI5_Simultaneous Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		2230				
100	PI2 BPSK	1	137		2233		23.2	0.0	
100	PI2 BPSK	1	271		2234				
100	PI2 BPSK	135	0		2232		23.2	0.0	
100	PI2 BPSK	135	69		2242		23.2	0.0	
100	PI2 BPSK	135	138		2227		23.2	0.0	
100	PI2 BPSK	270	0		2240		23.2	0.0	
100	QPSK	1	1		2244				
100	QPSK	1	137		2238		23.2	0.0	
100	QPSK	1	271		2235				
100	QPSK	135	0		2237		23.0	0.2	
100	QPSK	135	69		2238		23.2	0.0	
100	QPSK	135	138		2229		23.0	0.2	
100	QPSK	270	0		2234		23.0	0.2	
100	16QAM	1	1		2227		21.5	1.7	
100	64QAM	1	1		2111		21.5	1.7	
100	256QAM	1	1		1823		18.5	3.7	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	2231	2231	2237	23.2	0.0	
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2235	2235	2235	23.2	0.0	
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	2229	2230	2234	23.2	0.0	
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	2232	2231	2231	23.2	0.0	
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	2234	2238	2232	23.2	0.0	
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	2228	2233	2241	23.2	0.0	
Channel									
Frequency (MHz)				63100	63334	63468	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2229	2240	2229	23.2	0.0	
Channel									
Frequency (MHz)				63034	63334	63500	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	2239	2230	2227	23.2	0.0	
Channel									
Frequency (MHz)				62900	63334	63668	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2229	2229	2230	23.2	0.0	
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	2233	2236	2237	23.2	0.0	



Part27Q n78 PC2 DSI5_Simultaneous Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3000.01				
Frequency (MHz)					25.32				
100	PI2 BPSK	1	1		25.38		26.2	0.0	
100	PI2 BPSK	1	137		25.38				
100	PI2 BPSK	1	271		25.38				
100	PI2 BPSK	135	0		25.31		26.2	0.0	
100	PI2 BPSK	135	69		25.30		26.2	0.0	
100	PI2 BPSK	135	138		25.32		26.2	0.0	
100	PI2 BPSK	270	0		25.32				
100	QPSK	1	1		25.46				
100	QPSK	1	137		25.29		26.2	0.0	
100	QPSK	1	271		25.40				
100	QPSK	135	0		25.26		26.2	0.0	
100	QPSK	135	69		25.34		26.2	0.0	
100	QPSK	135	138		25.31		26.2	0.0	
100	QPSK	270	0		25.30				
100	16QAM	1	1		25.23		26.2	0.0	
100	64QAM	1	1		24.30		25.0	1.2	
100	256QAM	1	1		22.10		23.0	3.2	
Channel				633000	633334	633668			
Frequency (MHz)				3485	3000.01	3005.02			
90	QPSK	1	1	25.35	25.35	25.31	26.2	0.0	
Channel				632068	633334	634000			
Frequency (MHz)				3480.02	3000.01	3010			
80	QPSK	1	1	25.44	25.42	25.30	26.2	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3000.01	3115.01			
70	QPSK	1	1	25.23	25.34	25.25	26.2	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3000.01	3000.02			
60	QPSK	1	1	25.38	25.42	25.29	26.2	0.0	
Channel				631068	633334	635000			
Frequency (MHz)				3475.02	3000.01	3025			
50	QPSK	1	1	25.43	25.34	25.40	26.2	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3000.01	3030.01			
40	QPSK	1	1	25.37	25.41	25.41	26.2	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3485	3000.01	3035.02			
30	QPSK	1	1	25.30	25.30	25.33	26.2	0.0	
Channel				630668	633334	635900			
Frequency (MHz)				3480.02	3000.01	3040			
20	QPSK	1	1	25.42	25.32	25.33	26.2	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3475	3000.01	3042.02			
15	QPSK	1	1	25.32	25.34	25.31	26.2	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3480.01	3000.01	3043.01			
10	QPSK	1	1	25.30	25.31	25.41	26.2	0.0	



n2 DS15_Simultaneous Ant2									
BW [MHz]	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)				1860	1880	1900			
20	PI2 BPSK	1	1	20.38	20.54	20.44			
20	PI2 BPSK	1	53	20.37	20.48	20.33	22.1	0.0	
20	PI2 BPSK	1	104	20.40	20.38	20.25			
20	PI2 BPSK	50	0	20.28	20.34	20.23	22.1	0.0	
20	PI2 BPSK	50	28	20.32	20.47	20.34	22.1	0.0	
20	PI2 BPSK	50	56	20.36	20.42	20.35	22.1	0.0	
20	PI2 BPSK	100	0	20.33	20.44	20.25			
20	QPSK	1	1	20.45	20.56	20.46			
20	QPSK	1	53	20.50	20.51	20.42	22.1	0.0	
20	QPSK	1	104	20.42	20.46	20.33			
20	QPSK	50	0	20.38	20.46	20.34	22.1	0.0	
20	QPSK	50	28	20.42	20.55	20.42	22.1	0.0	
20	QPSK	50	56	20.27	20.40	20.38	22.1	0.0	
20	QPSK	100	0	20.36	20.41	20.36			
20	16QAM	1	1	20.25	20.36	20.21	22.1	0.0	
20	64QAM	1	1	20.33	20.35	20.31	22.0	0.1	
20	256QAM	1	1	18.54	18.01	18.48	22.0	2.1	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	20.38	20.50	20.37	22.1	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	20.35	20.46	20.42	22.1	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	20.38	20.51	20.38	22.1	0.0	

DS15_Simult

n5 Default Ant2									
BW [MHz]	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)				166800	167300	167800			
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38			
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51			
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.1	
20	256QAM	1	1	21.71	21.81	21.73	23.0	0.0	
Channel									
Frequency (MHz)				163300	163300	163300			
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166800	167300	168300			
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166300	167300	166300			
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DS15_Simultaneous Ant2									
BW [MHz]	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)				506000	507000	510000			
40	PI2 BPSK	1	1	13.91	13.98	13.86			
40	PI2 BPSK	1	108	13.87	13.95	13.88	15.3	0.0	
40	PI2 BPSK	1	214	13.86	13.89	13.86			
40	PI2 BPSK	108	0	13.84	13.87	13.85	15.3	0.0	
40	PI2 BPSK	108	54	13.79	13.93	13.90	15.3	0.0	
40	PI2 BPSK	108	108	13.96	14.01	14.00	15.3	0.0	
40	PI2 BPSK	216	0	13.91	13.94	13.79			
40	QPSK	1	1	14.00	14.07	13.89			
40	QPSK	1	108	13.82	14.01	13.88			
40	QPSK	1	214	13.89	13.95	13.92	15.3	0.0	
40	QPSK	108	0	13.87	13.98	13.83	15.3	0.0	
40	QPSK	108	54	13.94	14.02	13.86	15.3	0.0	
40	QPSK	108	108	13.77	13.91	13.80	15.3	0.0	
40	QPSK	216	0	13.95	13.95	13.97			
40	16QAM	1	1	13.94	14.00	13.92	15.3	0.0	
40	64QAM	1	1	13.79	13.91	13.82	15.3	0.0	
40	256QAM	1	1	13.79	13.86	13.72	15.3	0.0	
Channel									
Frequency (MHz)				505000	507000	510000			
30	QPSK	1	1	13.77	13.86	13.69	15.3	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	13.74	13.85	13.70	15.3	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	13.76	13.89	13.65	15.3	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	13.73	13.90	13.70	15.3	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	13.78	13.85	13.66	15.3	0.0	
Channel									
Frequency (MHz)				500500	507000	513000			
5	QPSK	1	1	13.75	13.87	13.68	15.3	0.0	



n25 DSI5_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel									
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	20.46	20.54	20.47			
40	PI2 BPSK	1	108	20.29	20.42	20.37	22.1	0.0	
40	PI2 BPSK	1	214	20.30	20.39	20.30			
40	PI2 BPSK	108	0	20.41	20.49	20.48	22.1	0.0	
40	PI2 BPSK	108	54	20.37	20.44	20.43	22.1	0.0	
40	PI2 BPSK	108	108	20.40	20.44	20.38	22.1	0.0	
40	PI2 BPSK	216	0	20.30	20.40	20.27			
40	QPSK	1	1	20.65	20.66	20.58			
40	QPSK	1	108	20.46	20.51	20.46	22.1	0.0	
40	QPSK	1	214	20.42	20.53	20.38			
40	QPSK	108	0	20.46	20.58	20.44	22.1	0.0	
40	QPSK	108	54	20.52	20.63	20.50	22.1	0.0	
40	QPSK	108	108	20.36	20.47	20.42	22.1	0.0	
40	QPSK	216	0	20.46	20.46	20.43			
40	16QAM	1	1	20.27	20.32	20.17	22.1	0.0	
40	64QAM	1	1	20.43	20.47	20.35	22.0	0.1	
40	256QAM	1	1	18.58	18.07	18.68	22.0	2.1	
Channel									
Frequency (MHz)				1885	1892.5	1900			
30	QPSK	1	1	20.51	20.52	20.43	22.1	0.0	
Channel									
Frequency (MHz)				372000	376500	380500			
25	QPSK	1	1	20.54	20.62	20.42	22.1	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	20.51	20.49	20.42	22.1	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	20.47	20.49	20.42	22.1	0.0	
Channel									
Frequency (MHz)				1885	1892.5	1910			
10	QPSK	1	1	20.48	20.53	20.44	22.1	0.0	
Channel									
Frequency (MHz)				370500	376500	382000			
5	QPSK	1	1	20.53	20.50	20.44	22.1	0.0	

n30 DSI5_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel									
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	14.59					
10	PI2 BPSK	1	26	14.24			15.6	0.0	
10	PI2 BPSK	1	50	14.35					
10	PI2 BPSK	25	0	14.28			15.6	0.0	
10	PI2 BPSK	25	14	14.32			15.6	0.0	
10	PI2 BPSK	25	27	14.25			15.6	0.0	
10	PI2 BPSK	50	0	14.31					
10	QPSK	1	1	14.48					
10	QPSK	1	26	14.20			15.6	0.0	
10	QPSK	1	50	14.28					
10	QPSK	25	0	14.28			15.6	0.0	
10	QPSK	25	14	14.29			15.6	0.0	
10	QPSK	25	27	14.23			15.6	0.0	
10	QPSK	50	0	14.37					
10	16QAM	1	1	14.32			15.6	0.0	
10	64QAM	1	1	14.30			15.6	0.0	
10	256QAM	1	1	14.20			15.6	0.0	
Channel									
Frequency (MHz)				461900	462000	462900			
5	QPSK	1	1	14.15	14.20	14.17	15.6	0.0	

n66 DSI5_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel									
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	20.50	20.61	20.61			
40	PI2 BPSK	1	108	20.49	20.80	20.46	21.5	0.0	
40	PI2 BPSK	1	214	20.42	20.47	20.33			
40	PI2 BPSK	108	0	20.31	20.38	20.37	21.5	0.0	
40	PI2 BPSK	108	54	20.43	20.53	20.48	21.5	0.0	
40	PI2 BPSK	108	108	20.39	20.37	20.32	21.5	0.0	
40	PI2 BPSK	216	0	20.30	20.44	20.35			
40	QPSK	1	1	20.54	20.68	20.49			
40	QPSK	1	108	20.58	20.59	20.53	21.5	0.0	
40	QPSK	1	214	20.48	20.57	20.48			
40	QPSK	108	0	20.29	20.40	20.36	21.5	0.0	
40	QPSK	108	54	20.47	20.56	20.39	21.5	0.0	
40	QPSK	108	108	20.34	20.40	20.38	21.5	0.0	
40	QPSK	216	0	20.45	20.46	20.33			
40	16QAM	1	1	20.40	20.45	20.30	21.5	0.0	
40	64QAM	1	1	20.42	20.45	20.35	21.5	0.0	
40	256QAM	1	1	18.34	18.48	18.38	20.0	1.3	
Channel									
Frequency (MHz)				343000	349000	353000			
30	QPSK	1	1	20.43	20.60	20.35	21.5	0.0	
Channel									
Frequency (MHz)				344000	349000	354000			
20	QPSK	1	1	20.50	20.64	20.35	21.5	0.0	
Channel									
Frequency (MHz)				343500	349000	354500			
15	QPSK	1	1	20.43	20.67	20.35	21.5	0.0	
Channel									
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.48	20.61	20.37	21.5	0.0	
Channel									
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.44	20.64	20.35	21.5	0.0	



n70 DSI5_Simultaneous Ant2

BW (MHz)	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)					1702.5			
15	PI2 BPSK	1	1		20.60			
15	PI2 BPSK	1	40		20.41		22.1	0.0
15	PI2 BPSK	1	77		20.24			
15	PI2 BPSK	36	0		20.55		22.1	0.0
15	PI2 BPSK	36	22		20.54		22.1	0.0
15	PI2 BPSK	36	43		20.50			
15	PI2 BPSK	75	0		20.58		22.1	0.0
15	QPSK	1	1		20.66			
15	QPSK	1	40		20.56		22.1	0.0
15	QPSK	1	77		20.59			
15	QPSK	36	0		20.53		22.0	0.1
15	QPSK	36	22		20.63		22.1	0.0
15	QPSK	36	43		20.47		22.0	0.1
15	QPSK	75	0		20.51			
15	16QAM	1	1		20.49		22.0	0.1
15	16QAM	1	1		19.76		20.5	1.6
15	256QAM	1	1		17.67		18.5	2.6
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	20.49	20.55	20.49	22.1	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	20.44	20.56	20.43	22.1	0.0



n38 DSI5_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Midsize Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				517002	519000	520998			
Frequency (MHz)				2562.01	2595	2624.99			
30	PI2 BPSK	1	1	14.54	14.58	14.51			
30	PI2 BPSK	1	49	14.42	14.52	14.44	15.5	0.0	
30	PI2 BPSK	1	78	14.36	14.53	14.47			
30	PI2 BPSK	36	0	14.53	14.54	14.54	15.5	0.0	
30	PI2 BPSK	36	21	14.55	14.53	14.53	15.5	0.0	
30	PI2 BPSK	36	42	14.47	14.58	14.44	15.5	0.0	
30	PI2 BPSK	75	0	14.42	14.56	14.57	15.5	0.0	
30	QPSK	1	1	14.61	14.64	14.54			
30	QPSK	1	49	14.56	14.59	14.51	15.5	0.0	
30	QPSK	1	78	14.49	14.51	14.51			
30	QPSK	36	0	14.41	14.54	14.47	15.5	0.0	
30	QPSK	36	21	14.44	14.60	14.49	15.5	0.0	
30	QPSK	36	42	14.39	14.46	14.44	15.5	0.0	
30	QPSK	75	0	14.42	14.56	14.42	15.5	0.0	
30	16QAM	1	1	14.24	14.35	14.25	15.5	0.0	
30	64QAM	1	1	14.19	14.12	14.22	15.5	0.0	
30	256QAM	1	1	14.18	14.29	14.24	15.5	0.0	
Channel				519004	520000	521996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2624.48			
25	QPSK	1	1	14.59	14.56	14.48	15.5	0.0	
Channel				519000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2610			
20	QPSK	1	1	14.57	14.60	14.48	15.5	0.0	
Channel				519002	519000	520498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.48			
15	QPSK	1	1	14.59	14.61	14.44	15.5	0.0	
Channel				519004	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2573.02	2595	2614.98			
10	QPSK	1	1	14.59	14.56	14.49	15.5	0.0	

n41 DSI5_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Midsize Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518998	529000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	14.51	14.53	14.49			
100	PI2 BPSK	1	137	14.44	14.55	14.46	15.5	0.0	
100	PI2 BPSK	1	271	14.59	14.65	14.53			
100	PI2 BPSK	135	0	14.37	14.47	14.43	15.5	0.0	
100	PI2 BPSK	135	69	14.46	14.56	14.42	15.5	0.0	
100	PI2 BPSK	135	138	14.47	14.52	14.38	15.5	0.0	
100	PI2 BPSK	270	0	14.40	14.53	14.46	15.5	0.0	
100	QPSK	1	1	14.64	14.69	14.58			
100	QPSK	1	137	14.57	14.61	14.49	15.5	0.0	
100	QPSK	1	271	14.56	14.59	14.60			
100	QPSK	135	0	14.40	14.46	14.39	15.5	0.0	
100	QPSK	135	69	14.57	14.63	14.54	15.5	0.0	
100	QPSK	135	138	14.41	14.56	14.48	15.5	0.0	
100	QPSK	270	0	14.34	14.53	14.36	15.5	0.0	
100	16QAM	1	1	14.43	14.61	14.48	15.5	0.0	
100	64QAM	1	1	14.34	14.50	14.46	15.5	0.0	
100	256QAM	1	1	14.32	14.45	14.40	15.5	0.0	
Channel				509200	518998	529000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	14.38	14.36	14.34	15.5	0.0	
Channel				509204	518998	529000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	1	14.36	14.37	14.34	15.5	0.0	
Channel				509202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	14.57	14.43	14.59	15.5	0.0	
Channel				509200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	14.35	14.36	14.31	15.5	0.0	
Channel				509202	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	14.38	14.36	14.31	15.5	0.0	
Channel				509202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	14.36	14.39	14.32	15.5	0.0	
Channel				509200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	14.55	14.38	14.36	15.5	0.0	
Channel				509204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	14.33	14.42	14.29	15.5	0.0	



n41 PC2 DSI5_Simultaneous Ant2									
BW (MHz)	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)				506202	506202	506202			
100	PI2 BPSK	1	1	17.45	17.50	17.58			
100	PI2 BPSK	1	137	17.30	17.43	17.31	18.5	0.0	
100	PI2 BPSK	1	211	17.35	17.49	17.33			
100	PI2 BPSK	135	0	17.14	17.26	17.13	18.5	0.0	
100	PI2 BPSK	135	69	17.34	17.49	17.47	18.5	0.0	
100	PI2 BPSK	135	138	17.31	17.35	17.38	18.5	0.0	
100	PI2 BPSK	270	0	17.31	17.47	17.33			
100	QPSK	1	1	17.51	17.58	17.48			
100	QPSK	1	137	17.25	17.32	17.29	18.5	0.0	
100	QPSK	1	221	17.47	17.44	17.32			
100	QPSK	135	0	16.83	16.88	16.88	18.5	0.0	
100	QPSK	135	69	17.38	17.39	17.31	18.5	0.0	
100	QPSK	135	138	16.89	16.90	16.85	18.5	0.0	
100	QPSK	270	0	16.97	16.96	16.97			
100	16QAM	1	1	16.96	17.06	16.92	18.5	0.0	
100	64QAM	1	1	16.84	16.82	16.93	18.5	0.0	
100	256QAM	1	1	16.98	16.92	16.79	18.5	0.0	
Channel									
Frequency (MHz)				2541	2592.99	2544.98			
90	QPSK	1	1	16.89	16.90	16.86	18.5	0.0	
Channel									
Frequency (MHz)				507204	516988	529988			
80	QPSK	1	1	16.84	16.87	16.84	18.5	0.0	
Channel									
Frequency (MHz)				506202	516988	531000			
70	QPSK	1	1	16.83	16.85	16.79	18.5	0.0	
Channel									
Frequency (MHz)				2526	2592.99	2599.98			
60	QPSK	1	1	16.90	16.89	16.84	18.5	0.0	
Channel									
Frequency (MHz)				504201	518988	529988			
50	QPSK	1	1	16.92	16.85	16.83	18.5	0.0	
Channel									
Frequency (MHz)				2511.02	2592.99	2594.99			
40	QPSK	1	1	16.90	16.90	16.83	18.5	0.0	
Channel									
Frequency (MHz)				502000	516988	534998			
30	QPSK	1	1	16.89	16.87	16.81	18.5	0.0	
Channel									
Frequency (MHz)				2508.02	2592.99	2679.98			
20	QPSK	1	1	16.92	16.85	16.78	18.5	0.0	

n48 Part96 DSI5_Simultaneous Ant2									
BW (MHz)	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)				636000	641666	645332			
40	PI2 BPSK	1	1	17.30	17.48	17.35			
40	PI2 BPSK	1	53	17.36	17.41	17.23	18.6	0.0	
40	PI2 BPSK	1	104	17.31	17.43	17.28			
40	PI2 BPSK	50	0	17.22	17.40	17.32	18.6	0.0	
40	PI2 BPSK	50	26	17.37	17.43	17.36	18.6	0.0	
40	PI2 BPSK	50	56	17.39	17.23	17.41	18.6	0.0	
40	PI2 BPSK	100	0	17.33	17.46	17.41			
40	QPSK	1	1	17.48	17.62	17.53			
40	QPSK	1	53	17.49	17.50	17.33	18.6	0.0	
40	QPSK	1	104	17.42	17.54	17.41			
40	QPSK	50	0	17.44	17.38	17.38	18.6	0.0	
40	QPSK	50	26	17.37	17.55	17.46	18.6	0.0	
40	QPSK	50	56	17.36	17.49	17.37	18.6	0.0	
40	QPSK	100	0	17.29	17.41	17.31			
40	16QAM	1	1	17.38	17.52	17.48	18.6	0.0	
40	64QAM	1	1	17.45	17.40	17.23	18.6	0.0	
40	256QAM	1	1	17.38	17.52	17.48	18.6	0.0	
Channel									
Frequency (MHz)				3565.02	3624.99	3684.98			
30	QPSK	1	1	17.43	17.57	17.45	18.6	0.0	
Channel									
Frequency (MHz)				637334	641666	646000			
20	QPSK	1	1	17.44	17.56	17.47	18.6	0.0	
Channel									
Frequency (MHz)				637000	641666	646332			
10	QPSK	1	1	17.41	17.60	17.41	18.6	0.0	



Part270 n77 DSI5_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.87	16.98	16.87		
100	PI2 BPSK	1	137	17.05	17.05	16.97	18.2	0.0
100	PI2 BPSK	1	271	17.06	17.08	16.85		
100	PI2 BPSK	135	0	17.08	17.13	17.00	18.2	0.0
100	PI2 BPSK	135	69	17.03	17.19	16.97	18.2	0.0
100	PI2 BPSK	135	138	16.96	17.14	17.16	18.2	0.0
100	PI2 BPSK	270	0	17.11	17.20	16.93		
100	QPSK	1	1	17.02	17.31	17.06		
100	QPSK	1	137	16.96	16.84	16.87	18.2	0.0
100	QPSK	1	271	16.93	16.98	16.90		
100	QPSK	135	0	16.96	17.13	16.94	18.2	0.0
100	QPSK	135	69	16.97	17.28	17.03	18.2	0.0
100	QPSK	135	138	16.98	17.07	16.97	18.2	0.0
100	QPSK	270	0	16.98	17.08	16.99		
100	16QAM	1	1	16.93	16.98	17.03	18.2	0.0
100	64QAM	1	1	16.83	16.78	16.63	18.2	0.0
100	256QAM	1	1	16.73	16.74	16.66	18.2	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.74	16.97	16.98	18.2	0.0
Channel								
Frequency (MHz)				3740.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.72	16.97	16.92	18.2	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.83	17.05	16.87	18.2	0.0
Channel								
Frequency (MHz)				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.78	16.98	17.00	18.2	0.0
Channel								
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.82	20.05	20.16	21.2	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.80	20.20	20.12	21.2	0.0
Channel								
Frequency (MHz)				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.95	20.02	20.17	21.2	0.0
Channel								
Frequency (MHz)				647668	650000	651334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.01	20.03	19.96	21.2	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.89	17.12	16.80	18.2	0.0
Channel								
Frequency (MHz)				647160	650000	651334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.82	17.02	16.95	18.2	0.0
Channel								
Frequency (MHz)				647000	650000	651000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.87	17.07	16.90	18.2	0.0

Part270 n77 PC2 DSI5_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.88	20.02	20.08		
100	PI2 BPSK	1	137	19.83	19.96	19.83	21.2	0.0
100	PI2 BPSK	1	271	19.89	20.04	19.90		
100	PI2 BPSK	135	0	19.89	19.98	19.89	21.2	0.0
100	PI2 BPSK	135	69	19.77	20.09	19.99	21.2	0.0
100	PI2 BPSK	135	138	19.80	19.94	19.93	21.2	0.0
100	PI2 BPSK	270	0	19.82	19.93	19.91		
100	QPSK	1	1	19.99	20.25	20.06		
100	QPSK	1	137	20.06	19.86	20.06	21.2	0.0
100	QPSK	1	271	19.93	20.13	19.89		
100	QPSK	135	0	19.86	19.94	19.93	21.2	0.0
100	QPSK	135	69	20.06	20.07	19.96	21.2	0.0
100	QPSK	135	138	19.71	20.04	19.86	21.2	0.0
100	QPSK	270	0	19.84	20.13	19.83		
100	16QAM	1	1	19.81	20.12	19.90	21.2	0.0
100	64QAM	1	1	19.80	19.83	19.86	21.2	0.0
100	256QAM	1	1	19.58	19.88	19.88	21.2	0.0
Channel								
Frequency (MHz)				649068	650000	651334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.04	20.15	20.08	21.2	0.0
Channel								
Frequency (MHz)				648334	650000	652668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.90	20.18	20.09	21.2	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.84	20.07	20.07	21.2	0.0
Channel								
Frequency (MHz)				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.82	20.05	20.16	21.2	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.80	20.20	20.12	21.2	0.0
Channel								
Frequency (MHz)				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.95	20.02	20.17	21.2	0.0
Channel								
Frequency (MHz)				647668	650000	651334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.98	20.03	19.96	21.2	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.96	20.03	20.01	21.2	0.0
Channel								
Frequency (MHz)				647160	650000	651334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.80	20.15	20.10	21.2	0.0
Channel								
Frequency (MHz)				647000	650000	651000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.03	20.09	20.04	21.2	0.0

Part27Q n77 DSI5_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		17.31			
100	PI2 BPSK	1	137		17.25		18.2	0.0
100	PI2 BPSK	1	271		17.21			
100	PI2 BPSK	135	0		17.25		18.2	0.0
100	PI2 BPSK	135	69		17.16		18.2	0.0
100	PI2 BPSK	135	138		17.04		18.2	0.0
100	PI2 BPSK	270	0		17.06			
100	QPSK	1	1		17.39			
100	QPSK	1	137		17.22		18.2	0.0
100	QPSK	1	271		17.35			
100	QPSK	135	0		17.21		18.2	0.0
100	QPSK	135	69		17.38		18.2	0.0
100	QPSK	135	138		17.32		18.2	0.0
100	QPSK	270	0		17.24			
100	16QAM	1	1		17.28		18.2	0.0
100	64QAM	1	1		16.91		18.2	0.0
100	256QAM	1	1		16.77		18.2	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.88	16.85	17.03	18.2	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.99	17.06	17.02	18.2	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.93	16.93	16.90	18.2	0.0
Channel								
Frequency (MHz)				632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.88	17.00	16.96	18.2	0.0
Channel								
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.81	17.00	17.01	18.2	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.03	16.91	16.94	18.2	0.0
Channel								
Frequency (MHz)				631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.04	17.03	16.92	18.2	0.0
Channel								
Frequency (MHz)				630668	633334	633000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.90	16.96	16.97	18.2	0.0
Channel								
Frequency (MHz)				630300	633334	633668	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.91	17.00	17.01	18.2	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.97	16.91	17.10	18.2	0.0



Part27Q n77 PC2 DSI5_Simultaneous Ant2

BW [MHz]	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		3500.01			
100	PI2 BPSK	1	137		19.96			
100	PI2 BPSK	1	271		19.95		21.2	0.0
100	PI2 BPSK	135	0		20.34			
100	PI2 BPSK	135	69		19.94		21.2	0.0
100	PI2 BPSK	135	138		19.96		21.2	0.0
100	PI2 BPSK	270	0		20.06			
100	PI2 BPSK	270	0		20.19		21.2	0.0
100	QPSK	1	1		20.36			
100	QPSK	1	137		20.04			
100	QPSK	1	271		20.17		21.2	0.0
100	QPSK	135	0		20.04		21.2	0.0
100	QPSK	135	69		20.19		21.2	0.0
100	QPSK	135	138		20.02		21.2	0.0
100	QPSK	270	0		20.15			
100	16QAM	1	1		20.11		21.2	0.0
100	64QAM	1	1		19.97		21.2	0.0
100	256QAM	1	1		20.13		21.2	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	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.02	19.99	20.01	21.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63068	63334	63400	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3498.02	3503.03	3508	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.97	19.96	19.97	21.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.03	19.94	19.88	21.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3478.01	3503.01	3503.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.98	19.95	19.93	21.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.06	20.00	19.97	21.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3542.5	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3450.01	3500.01	3540.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.04	19.94	19.88	21.2	0.0



Part270 n78 DSI5_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		16.61			
100	PI2 BPSK	1	137		16.72		18.2	0.0
100	PI2 BPSK	1	271		16.83			
100	PI2 BPSK	135	0		16.79		18.2	0.0
100	PI2 BPSK	135	69		16.80		18.2	0.0
100	PI2 BPSK	135	138		16.83		18.2	0.0
100	PI2 BPSK	270	0		16.81		18.2	0.0
100	QPSK	1	1		17.07			
100	QPSK	1	137		16.86		18.2	0.0
100	QPSK	1	271		16.88			
100	QPSK	135	0		16.75		18.2	0.0
100	QPSK	135	69		16.78		18.2	0.0
100	QPSK	135	138		16.77		18.2	0.0
100	QPSK	270	0		16.92		18.2	0.0
100	16QAM	1	1		16.70		18.2	0.0
100	64QAM	1	1		16.41		18.2	0.0
100	256QAM	1	1		16.42		18.2	0.0
Channel								
Frequency (MHz)				64988	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	18.2	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.61	16.81	16.75	18.2	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.53	16.70	16.54	18.2	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	18.2	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.59	16.77	16.86	18.2	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.54	16.76	16.76	18.2	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	18.2	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.54	16.82	16.86	18.2	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.74	16.91	16.73	18.2	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.77	16.76	16.88	18.2	0.0

Part270 n78 PC2 DSI5_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		19.90			
100	PI2 BPSK	1	137		19.95		21.2	0.0
100	PI2 BPSK	1	271		20.01			
100	PI2 BPSK	135	0		20.01		21.2	0.0
100	PI2 BPSK	135	69		20.06		21.2	0.0
100	PI2 BPSK	135	138		19.97		21.2	0.0
100	PI2 BPSK	270	0		19.91		21.2	0.0
100	QPSK	1	1		20.20			
100	QPSK	1	137		20.07		21.2	0.0
100	QPSK	1	271		19.78			
100	QPSK	135	0		19.75		21.2	0.0
100	QPSK	135	69		19.98		21.2	0.0
100	QPSK	135	138		19.87		21.2	0.0
100	QPSK	270	0		20.12		21.2	0.0
100	16QAM	1	1		19.94		21.2	0.0
100	64QAM	1	1		19.66		21.2	0.0
100	256QAM	1	1		19.58		21.2	0.0
Channel								
Frequency (MHz)				64988	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	21.2	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.56	19.68	19.72	21.2	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.55	19.74	19.63	21.2	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	21.2	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.89	19.83	19.78	21.2	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.58	19.83	19.87	21.2	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	21.2	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.62	19.78	19.75	21.2	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.60	19.75	19.87	21.2	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.47	19.84	19.75	21.2	0.0

Part27Q n78 DSI5_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		16.97			
100	PI2 BPSK	1	137		16.89		18.2	0.0
100	PI2 BPSK	1	271		16.84			
100	PI2 BPSK	135	0		16.81		18.2	0.0
100	PI2 BPSK	135	69		17.00		18.2	0.0
100	PI2 BPSK	135	138		16.93		18.2	0.0
100	PI2 BPSK	270	0		17.04		18.2	0.0
100	QPSK	1	1		17.30			
100	QPSK	1	137		16.92		18.2	0.0
100	QPSK	1	271		17.05			
100	QPSK	135	0		16.87		18.2	0.0
100	QPSK	135	69		17.12		18.2	0.0
100	QPSK	135	138		16.96		18.2	0.0
100	QPSK	270	0		16.90		18.2	0.0
100	16QAM	1	1		16.90		18.2	0.0
100	64QAM	1	1		16.49		18.2	0.0
100	256QAM	1	1		16.58		18.2	0.0
Channel								
Frequency (MHz)				63300	63354	63398	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	18.2	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.82	16.85	16.70	18.2	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.79	16.54	16.67	18.2	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.93	16.75	16.59	18.2	0.0
Channel								
Frequency (MHz)				3490	3500.01	3510.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.92	16.79	16.76	18.2	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.70	16.83	16.76	18.2	0.0
Channel								
Frequency (MHz)				63134	63334	63498	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3485.01	3500.01	3515.01	18.2	0.0
Channel								
Frequency (MHz)				63100	63334	63534	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.85	16.83	16.63	18.2	0.0
Channel								
Frequency (MHz)				63050	63334	63600	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.89	16.80	16.79	18.2	0.0
Channel								
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.72	16.85	16.59	18.2	0.0



Part27Q n78 PC2 DSI5_Simultaneous Ant2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	MPR (dB)
Channel							
Frequency (MHz)							
100	PI/2 BPSK	1	1	3500.01			
100	PI/2 BPSK	1	137	19.55			21.2
100	PI/2 BPSK	1	271	19.83			0.0
100	PI/2 BPSK	135	0	19.78			21.2
100	PI/2 BPSK	135	69	19.78			0.0
100	PI/2 BPSK	135	138	20.03			21.2
100	PI/2 BPSK	270	0	19.71			0.0
100	QPSK	1	1	20.29			
100	QPSK	1	137	19.84			21.2
100	QPSK	1	271	19.78			0.0
100	QPSK	135	0	19.58			21.2
100	QPSK	135	69	20.22			0.0
100	QPSK	135	138	19.83			21.2
100	QPSK	270	0	20.16			0.0
100	16QAM	1	1	19.71			21.2
100	64QAM	1	1	19.70			0.0
100	256QAM	1	1	20.00			21.2
Channel							
Frequency (MHz)							
90	QPSK	1	1	633000	633334	633668	MPR (dB)
Channel							
Frequency (MHz)							
90	QPSK	1	1	3495	3500.01	3505.02	MPR (dB)
Channel							
Frequency (MHz)							
80	QPSK	1	1	19.70	19.65	19.83	21.2
Channel							
Frequency (MHz)							
80	QPSK	1	1	632688	633334	634000	MPR (dB)
Channel							
Frequency (MHz)							
70	QPSK	1	1	3499.02	3500.01	3501.00	21.2
Channel							
Frequency (MHz)							
60	QPSK	1	1	632000	633334	634668	MPR (dB)
Channel							
Frequency (MHz)							
60	QPSK	1	1	3480	3500.01	3520.02	21.2
Channel							
Frequency (MHz)							
50	QPSK	1	1	19.63	19.67	19.96	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	631800	633334	635000	MPR (dB)
Channel							
Frequency (MHz)							
40	QPSK	1	1	3475.02	3500.01	3525	21.2
Channel							
Frequency (MHz)							
40	QPSK	1	1	19.83	19.56	19.84	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	631334	633334	635334	MPR (dB)
Channel							
Frequency (MHz)							
30	QPSK	1	1	3482.01	3500.01	3520.01	21.2
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.79	19.73	19.91	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	631000	633334	635668	MPR (dB)
Channel							
Frequency (MHz)							
30	QPSK	1	1	3465	3500.01	3535.02	21.2
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.58	19.75	19.83	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	630500	633334	636168	MPR (dB)
Channel							
Frequency (MHz)							
15	QPSK	1	1	3457.5	3500.01	3542.50	21.2
Channel							
Frequency (MHz)							
15	QPSK	1	1	19.79	19.74	19.78	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	630334	633334	636334	MPR (dB)
Channel							
Frequency (MHz)							
10	QPSK	1	1	3452.01	3500.01	3542.01	21.2
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.66	19.63	19.93	0.0



n2 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1600			
20	PI2 BPSK	1	1	21.10	21.11	21.17			
20	PI2 BPSK	1	53	21.03	20.98	20.79	22.2	0.0	
20	PI2 BPSK	1	104	20.90	20.99	20.83			
20	PI2 BPSK	50	0	20.83	20.98	20.95	22.2	0.0	
20	PI2 BPSK	50	28	20.93	21.14	20.95	22.2	0.0	
20	PI2 BPSK	50	56	20.93	20.91	20.94	22.2	0.0	
20	PI2 BPSK	100	0	20.90	21.10	20.92			
20	QPSK	1	1	21.17	21.22	21.06			
20	QPSK	1	53	20.77	21.09	20.89	22.2	0.0	
20	QPSK	1	104	20.79	20.80	20.93			
20	QPSK	50	0	21.00	21.04	20.79	22.2	0.0	
20	QPSK	50	28	21.07	21.20	20.89	22.2	0.0	
20	QPSK	50	56	20.99	21.05	20.91	22.2	0.0	
20	QPSK	100	0	20.77	21.07	20.90			
20	16QAM	1	1	20.82	21.05	20.83	22.2	0.0	
20	64QAM	1	1	20.97	20.96	20.98	22.2	0.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	1.2	
Channel									
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	21.08	21.13	21.04	22.2	0.0	
Channel									
Frequency (MHz)				3710.0	3760.0	3810.0			
10	QPSK	1	1	21.13	21.10	21.00	22.2	0.0	
Channel									
Frequency (MHz)				3705.0	3760.0	3815.0			
5	QPSK	1	1	21.12	21.08	21.00	22.2	0.0	

n7 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2220	2235	2250			
40	PI2 BPSK	1	1	22.15	22.20	22.13			
40	PI2 BPSK	1	108	21.90	22.02	21.82	23.1	0.0	
40	PI2 BPSK	1	214	22.11	22.15	21.99			
40	PI2 BPSK	108	0	21.87	22.07	21.85	23.1	0.0	
40	PI2 BPSK	108	54	22.04	22.14	22.00	23.1	0.0	
40	PI2 BPSK	108	108	21.99	22.05	21.89	23.1	0.0	
40	PI2 BPSK	216	0	21.84	21.97	21.81			
40	QPSK	1	1	22.12	22.22	22.19			
40	QPSK	1	108	22.00	22.09	21.93	23.1	0.0	
40	QPSK	1	214	21.96	22.00	21.99			
40	QPSK	108	0	21.85	22.03	21.97	23.1	0.0	
40	QPSK	108	54	22.04	22.18	21.99	23.1	0.0	
40	QPSK	108	108	21.90	22.08	21.85	23.1	0.0	
40	QPSK	216	0	21.84	22.11	21.88			
40	16QAM	1	1	21.83	21.95	21.86	23.1	0.0	
40	64QAM	1	1	22.06	22.20	22.08	23.0	0.1	
40	256QAM	1	1	20.02	20.99	20.86	21.0	2.1	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.03	22.08	22.11	23.1	0.0	
Channel									
Frequency (MHz)				5025.0	5070.0	5115.0			
25	QPSK	1	1	21.99	22.08	22.10	23.1	0.0	
Channel									
Frequency (MHz)				5020.0	5070.0	5120.0			
20	PI2 BPSK	1	1	22.05	22.14	22.13	23.1	0.0	
Channel									
Frequency (MHz)				5015.0	5070.0	5125.0			
15	QPSK	1	1	22.04	22.08	22.12	23.1	0.0	
Channel									
Frequency (MHz)				5010.0	5070.0	5130.0			
10	QPSK	1	1	22.05	22.05	22.05	23.1	0.0	
Channel									
Frequency (MHz)				5005.0	5070.0	5135.0			
5	QPSK	1	1	22.05	22.08	22.12	23.1	0.0	

n25 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1822.5	1895			
40	PI2 BPSK	1	1	21.18	21.21	21.20			
40	PI2 BPSK	1	108	21.08	21.06	20.86	22.2	0.0	
40	PI2 BPSK	1	214	20.98	21.03	20.86			
40	PI2 BPSK	108	0	20.89	21.05	21.04	22.2	0.0	
40	PI2 BPSK	108	54	20.96	21.22	21.03	22.2	0.0	
40	PI2 BPSK	108	108	21.02	20.97	21.02	22.2	0.0	
40	PI2 BPSK	216	0	21.00	21.18	21.02			
40	QPSK	1	1	21.24	21.26	21.10			
40	QPSK	1	108	20.86	21.14	20.99	22.2	0.0	
40	QPSK	1	214	20.93	20.97	21.00			
40	QPSK	108	0	21.07	21.11	20.88	22.2	0.0	
40	QPSK	108	54	21.15	21.22	20.93	22.2	0.0	
40	QPSK	108	108	20.90	21.11	21.01	22.2	0.0	
40	QPSK	216	0	20.93	21.10	20.97			
40	16QAM	1	1	20.90	21.07	20.89	22.2	0.0	
40	64QAM	1	1	21.04	20.99	21.06	22.2	0.0	
40	256QAM	1	1	20.22	20.98	20.46	21.0	1.2	
Channel									
Frequency (MHz)				1865	1822.5	1900			
30	QPSK	1	1	21.07	20.90	20.97	22.2	0.0	
Channel									
Frequency (MHz)				3725.0	3765.0	3805.0			
25	QPSK	1	1	21.06	20.93	20.92	22.2	0.0	
Channel									
Frequency (MHz)				3720.0	3765.0	3810.0			
20	QPSK	1	1	21.10	20.92	20.93	22.2	0.0	
Channel									
Frequency (MHz)				3715.0	3765.0	3815.0			
15	QPSK	1	1	21.05	20.96	20.96	22.2	0.0	
Channel									
Frequency (MHz)				1855	1822.5	1910			
10	QPSK	1	1	21.07	20.93	20.99	22.2	0.0	
Channel									
Frequency (MHz)				3720.0	3765.0	3820.0			
5	QPSK	1	1	21.06	20.87	20.93	22.2	0.0	



n30 DSI5_Simultaneous Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					2310			
10	Pi/2 BPSK	1	1	22.21			23.7	0.0
10	Pi/2 BPSK	1	26	22.18				
10	Pi/2 BPSK	1	50	22.08				
10	Pi/2 BPSK	25	0	22.05			23.7	0.0
10	Pi/2 BPSK	25	14	22.23			23.7	0.0
10	Pi/2 BPSK	25	27	22.16			23.7	0.0
10	Pi/2 BPSK	50	0	22.12				
10	QPSK	1	1	22.25			23.7	0.0
10	QPSK	1	26	22.16				
10	QPSK	1	50	22.11				
10	QPSK	25	0	22.17			23.7	0.0
10	QPSK	25	14	22.19			23.7	0.0
10	QPSK	25	27	22.11			23.7	0.0
10	QPSK	50	0	22.06				
10	16QAM	1	1	21.89			23.7	0.0
10	16QAM	1	1	21.86			23.0	0.7
10	256QAM	1	1	20.31			21.0	2.7
Channel				461900	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	21.93	22.03	21.97	23.7	0.0

n66 DSI5_Simultaneous Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					1730	1745	1760	
40	Pi/2 BPSK	1	1	22.00	22.00	21.88	23.4	0.0
40	Pi/2 BPSK	1	108	21.77	21.82	21.72		
40	Pi/2 BPSK	1	214	21.88	21.76	21.82		
40	Pi/2 BPSK	108	0	21.69	21.71	21.62	23.4	0.0
40	Pi/2 BPSK	108	54	21.73	21.81	21.68	23.4	0.0
40	Pi/2 BPSK	108	108	21.67	21.77	21.77	23.4	0.0
40	Pi/2 BPSK	216	0	21.66	21.77	21.68		
40	QPSK	1	1	22.03	22.11	21.96	23.4	0.0
40	QPSK	1	108	21.88	21.89	21.87		
40	QPSK	1	214	21.88	21.97	21.91		
40	QPSK	108	0	21.65	21.72	21.67	23.4	0.0
40	QPSK	108	54	22.03	22.06	21.87	23.4	0.0
40	QPSK	108	108	21.75	21.82	21.88	23.4	0.0
40	QPSK	216	0	21.80	21.91	21.84		
40	16QAM	1	1	21.73	21.78	21.66	23.4	0.0
40	16QAM	1	1	21.86	22.09	21.98	23.0	0.4
40	256QAM	1	1	20.32	20.62	20.48	21.0	2.4
Channel				342000	342000	342000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.92	22.00	21.94	23.4	0.0
Channel				344000	345000	345000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1760		
20	QPSK	1	1	21.92	21.99	21.90	23.4	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.91	22.01	21.95	23.4	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.81	21.98	21.96	23.4	0.0
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.91	21.95	21.92	23.4	0.0

n70 DSI5_Simultaneous Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					1702.5			
15	Pi/2 BPSK	1	1	22.53			23.5	0.0
15	Pi/2 BPSK	1	40	22.51				
15	Pi/2 BPSK	1	77	22.48				
15	Pi/2 BPSK	36	0	22.40			23.5	0.0
15	Pi/2 BPSK	36	22	22.49			23.5	0.0
15	Pi/2 BPSK	36	43	22.35			23.5	0.0
15	Pi/2 BPSK	75	0	22.40				
15	QPSK	1	1	22.57			23.5	0.0
15	QPSK	1	40	22.56				
15	QPSK	1	77	22.41				
15	QPSK	36	0	22.37			23.5	0.0
15	QPSK	36	22	22.51			23.5	0.0
15	QPSK	36	43	22.41			23.5	0.0
15	QPSK	75	0	22.44				
15	16QAM	1	1	21.91			21.5	0.5
15	16QAM	1	1	20.71			21.5	2.0
15	256QAM	1	1	18.16			18.5	4.0
Channel				345000	345500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.41	22.49	22.41	23.5	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.36	22.51	22.44	23.5	0.0



n38 DSI5_Simultaneous Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517002	519000	520998		
Frequency (MHz)				2535.01	2595	2604.99		
30	PI2 BPSK	1	1	21.56	21.64	21.63		
30	PI2 BPSK	1	1	21.57	21.59	21.59	23.0	0.0
30	PI2 BPSK	1	76	21.60	21.68	21.54		
30	PI2 BPSK	36	0	21.53	21.54	21.45	23.0	0.0
30	PI2 BPSK	36	21	21.58	21.60	21.68	23.0	0.0
30	PI2 BPSK	36	42	21.54	21.59	21.58		
30	PI2 BPSK	75	0	21.48	21.64	21.61	23.0	0.0
30	QPSK	1	1	21.80	21.85	21.57		
30	QPSK	1	40	21.63	21.67	21.61	23.0	0.0
30	QPSK	1	76	21.39	21.59	21.60		
30	QPSK	36	0	21.45	21.55	21.47	23.0	0.0
30	QPSK	36	21	21.57	21.62	21.53	23.0	0.0
30	QPSK	36	42	21.37	21.55	21.47	23.0	0.0
30	QPSK	75	0	21.54	21.58	21.50		
30	16QAM	1	1	21.37	21.55	21.42	23.0	0.0
30	64QAM	1	1	21.80	21.81	21.84	22.5	0.5
30	256QAM	1	1	20.26	20.45	20.32	20.5	2.5
Channel				515004	519000	521000		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.56	21.77	21.49	23.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2594	2595	2610		
20	QPSK	1	1	21.54	21.79	21.52	23.0	0.0
Channel				515002	519000	520998		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.55	21.79	21.49	23.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2576.02	2595	2614.98		
10	QPSK	1	1	21.56	21.76	21.50	23.0	0.0

n41 DSI5_Simultaneous Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	21.64	21.70	21.68		
100	PI2 BPSK	1	137	21.62	21.67	21.62	23.0	0.0
100	PI2 BPSK	1	271	21.63	21.72	21.58		
100	PI2 BPSK	135	0	21.61	21.64	21.48	23.0	0.0
100	PI2 BPSK	135	69	21.60	21.74	21.70	23.0	0.0
100	PI2 BPSK	135	138	21.56	21.67	21.63		
100	PI2 BPSK	270	0	21.56	21.71	21.68	23.0	0.0
100	QPSK	1	1	21.67	21.94	21.62		
100	QPSK	1	137	21.71	21.73	21.68	23.0	0.0
100	QPSK	1	271	21.47	21.61	21.50		
100	QPSK	135	0	21.49	21.65	21.55	23.0	0.0
100	QPSK	135	69	21.91	21.69	21.60	23.0	0.0
100	QPSK	135	138	21.44	21.60	21.55	23.0	0.0
100	QPSK	270	0	21.61	21.65	21.60		
100	16QAM	1	1	21.45	21.58	21.49	23.0	0.0
100	64QAM	1	1	20.67	20.81	20.65	21.5	1.5
100	256QAM	1	1	18.71	18.76	18.50	19.5	3.5
Channel				515000	518998	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.63	21.64	21.53	23.0	0.0
Channel				507294	518998	529998		
Frequency (MHz)				2638.92	2692.99	2649.99		
80	QPSK	1	1	21.51	21.65	21.49	23.0	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.61	21.63	21.47	23.0	0.0
Channel				505200	518998	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.50	21.62	21.56	23.0	0.0
Channel				505204	518998	532000		
Frequency (MHz)				2521.92	2592.99	2664.99		
50	QPSK	1	1	21.60	21.70	21.59	23.0	0.0
Channel				503202	518998	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.52	21.71	21.60	23.0	0.0
Channel				502200	518998	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.50	21.70	21.61	23.0	0.0
Channel				501204	518998	535996		
Frequency (MHz)				2506.92	2592.99	2679.99		
20	QPSK	1	1	21.83	21.68	21.52	23.0	0.0



n41 PC2 DSI5_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	24.54	24.69	24.56			
100	PI2 BPSK	1	137	24.57	24.72	24.64	26.0	0.0	
100	PI2 BPSK	1	271	24.53	24.69	24.65			
100	PI2 BPSK	135	0	24.76	24.79	24.70	26.0	0.0	
100	PI2 BPSK	135	69	24.57	24.72	24.66	26.0	0.0	
100	PI2 BPSK	135	138	24.64	24.67	24.50	26.0	0.0	
100	PI2 BPSK	270	0	24.59	24.71	24.58	26.0	0.0	
100	QPSK	1	1	24.67	24.63	24.72			
100	QPSK	1	137	24.67	24.61	24.57	26.0	0.0	
100	QPSK	1	271	24.64	24.69	24.66			
100	QPSK	135	0	24.50	24.56	24.53	26.0	0.0	
100	QPSK	135	69	24.71	24.74	24.63	26.0	0.0	
100	QPSK	135	138	24.60	24.72	24.55	26.0	0.0	
100	QPSK	270	0	24.57	24.69	24.59	26.0	0.0	
100	16QAM	1	1	24.45	24.55	24.45	26.0	0.0	
100	64QAM	1	1	24.35	24.41	24.28	25.0	1.0	
100	256QAM	1	1	22.31	22.95	22.32	23.0	3.0	
Channel				510200	519596	529396			
Frequency (MHz)				2554	2592.99	2644.98			
90	QPSK	1	1	24.52	24.70	24.56	26.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2638.02	2692.99	2649.99			
80	QPSK	1	1	24.58	24.71	24.56	26.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2695			
70	QPSK	1	1	24.64	24.74	24.65	26.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2699.98			
60	QPSK	1	1	24.54	24.67	24.59	26.0	0.0	
Channel				504204	518598	532996			
Frequency (MHz)				2521.02	2592.99	2694.99			
50	QPSK	1	1	24.60	24.69	24.57	26.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2689			
40	QPSK	1	1	24.60	24.73	24.58	26.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.47	24.67	24.50	26.0	0.0	
Channel				501204	518598	535996			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	24.59	24.69	24.62	26.0	0.0	

n48 Part96 DSI5_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	14.59	14.63	14.53			
40	PI2 BPSK	1	53	14.51	14.58	14.53	16.0	0.0	
40	PI2 BPSK	1	104	14.44	14.54	14.49			
40	PI2 BPSK	50	0	14.39	14.53	14.55	16.0	0.0	
40	PI2 BPSK	50	26	14.38	14.51	14.41	16.0	0.0	
40	PI2 BPSK	50	55	14.49	14.56	14.45			
40	PI2 BPSK	100	0	14.37	14.55	14.48	16.0	0.0	
40	QPSK	1	1	14.52	14.69	14.54			
40	QPSK	1	53	14.46	14.61	14.49	16.0	0.0	
40	QPSK	1	104	14.57	14.63	14.49			
40	QPSK	50	0	14.40	14.55	14.49	16.0	0.0	
40	QPSK	50	28	14.51	14.66	14.60	16.0	0.0	
40	QPSK	50	56	14.38	14.52	14.37	16.0	0.0	
40	QPSK	100	0	14.41	14.59	14.48	16.0	0.0	
40	16QAM	1	1	14.35	14.50	14.39	16.0	0.0	
40	64QAM	1	1	14.37	14.53	14.49	16.0	0.0	
40	256QAM	1	1	14.41	14.53	14.38	16.0	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3665.02	3694.99	3684.99			
30	QPSK	1	1	14.41	14.55	14.45	16.0	0.0	
Channel				637204	641666	646000			
Frequency (MHz)				3669.01	3624.99	3690			
20	QPSK	1	1	14.44	14.56	14.45	16.0	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	14.44	14.55	14.40	16.0	0.0	



Part270 n77 DSI5_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.78	15.59	15.66		
100	PI2 BPSK	1	137	15.74	15.76	15.75	16.7	0.0
100	PI2 BPSK	1	271	15.76	15.80	15.82		
100	PI2 BPSK	135	0	15.59	15.53	15.61	16.7	0.0
100	PI2 BPSK	135	69	15.56	15.73	15.69	16.7	0.0
100	PI2 BPSK	135	138	15.64	15.65	15.55	16.7	0.0
100	PI2 BPSK	270	0	15.74	15.78	15.68	16.7	0.0
100	QPSK	1	1	15.53	15.85	15.71		
100	QPSK	1	137	15.45	15.70	15.81	16.7	0.0
100	QPSK	1	271	15.58	15.56	15.45		
100	QPSK	135	0	15.61	15.73	15.47	16.7	0.0
100	QPSK	135	69	15.69	15.74	15.66	16.7	0.0
100	QPSK	135	138	15.56	15.57	15.62	16.7	0.0
100	QPSK	270	0	15.66	15.67	15.66	16.7	0.0
100	16QAM	1	1	15.60	15.79	15.63	16.7	0.0
100	64QAM	1	1	15.52	15.55	15.65	16.7	0.0
100	256QAM	1	1	15.39	15.55	15.41	15.7	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.29	15.49	15.46	16.7	0.0
Channel								
Frequency (MHz)				3483.34	3500	3516.66		
80	QPSK	1	1	15.47	15.61	15.48	16.7	0.0
Channel								
Frequency (MHz)				649000	650000	651000		
70	QPSK	1	1	15.39	15.57	15.37	15.7	0.0
Channel								
Frequency (MHz)				648968	650000	651334		
60	QPSK	1	1	15.40	15.63	15.57	16.7	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.37	15.57	15.51	16.7	0.0
Channel								
Frequency (MHz)				648000	650000	651000		
40	QPSK	1	1	15.42	15.55	15.44	16.7	0.0
Channel								
Frequency (MHz)				647668	650000	651334		
30	QPSK	1	1	15.42	15.55	15.40	15.7	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.41	15.64	15.58	16.7	0.0
Channel								
Frequency (MHz)				647160	650000	651334		
15	QPSK	1	1	15.37	15.66	15.47	16.7	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.44	15.61	15.35	15.7	0.0

Part270 n77 PC2 DSI5_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.00	18.96	18.54		
100	PI2 BPSK	1	137	18.79	18.90	18.75	19.7	0.0
100	PI2 BPSK	1	271	18.87	19.03	18.93		
100	PI2 BPSK	135	0	18.89	19.05	18.85	19.7	0.0
100	PI2 BPSK	135	69	18.75	18.93	18.90	19.7	0.0
100	PI2 BPSK	135	138	19.02	19.00	18.98	19.7	0.0
100	PI2 BPSK	270	0	19.00	19.10	18.72	19.7	0.0
100	QPSK	1	1	19.03	19.11	19.01		
100	QPSK	1	137	18.92	18.94	18.85	19.7	0.0
100	QPSK	1	271	18.94	18.97	18.95		
100	QPSK	135	0	18.88	18.87	18.82	19.7	0.0
100	QPSK	135	69	18.83	18.99	18.91	19.7	0.0
100	QPSK	135	138	18.95	18.95	18.85	19.7	0.0
100	QPSK	270	0	18.98	19.07	18.94	19.7	0.0
100	16QAM	1	1	18.89	18.91	18.85	19.7	0.0
100	64QAM	1	1	18.71	18.90	18.74	19.7	0.0
100	256QAM	1	1	18.54	18.68	18.74	15.7	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.89	18.80	18.73	19.7	0.0
Channel								
Frequency (MHz)				648334	650000	652666		
80	QPSK	1	1	18.92	18.96	18.91	19.7	0.0
Channel								
Frequency (MHz)				649000	650000	651000		
70	QPSK	1	1	18.86	18.97	18.51	19.7	0.0
Channel								
Frequency (MHz)				648968	650000	651334		
60	QPSK	1	1	18.77	18.88	18.67	19.7	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.73	18.77	18.55	19.7	0.0
Channel								
Frequency (MHz)				648000	650000	651000		
40	QPSK	1	1	18.75	18.92	18.70	19.7	0.0
Channel								
Frequency (MHz)				647668	650000	651334		
30	QPSK	1	1	18.35	18.85	18.53	19.7	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.84	18.77	18.64	19.7	0.0
Channel								
Frequency (MHz)				647160	650000	651334		
15	QPSK	1	1	18.85	18.74	18.53	19.7	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.78	18.93	18.63	19.7	0.0

Part27Q n77 DSI5_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		15.52			
100	PI2 BPSK	1	137		15.82		16.7	0.0
100	PI2 BPSK	1	271		15.85			
100	PI2 BPSK	135	0		15.73		16.7	0.0
100	PI2 BPSK	135	69		15.91		16.7	0.0
100	PI2 BPSK	135	138		15.79		16.7	0.0
100	PI2 BPSK	270	0		15.70		16.7	0.0
100	QPSK	1	1		15.97			
100	QPSK	1	137		15.62		16.7	0.0
100	QPSK	1	271		15.76			
100	QPSK	135	0		15.87		16.7	0.0
100	QPSK	135	69		15.96		16.7	0.0
100	QPSK	135	138		15.84		16.7	0.0
100	QPSK	270	0		15.93		16.7	0.0
100	16QAM	1	1		15.88		16.7	0.0
100	64QAM	1	1		15.59		16.7	0.0
100	256QAM	1	1		14.75		16.7	0.0
Channel								
Frequency (MHz)				633000	633334	633666		
90	QPSK	1	1	15.09	15.48	15.59	16.7	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	15.70	15.51	15.60	16.7	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	15.55	15.58	15.54	15.7	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	15.51	15.41	15.59	16.7	0.0
Channel								
Frequency (MHz)				3480	3500.01	3520.02		
50	QPSK	1	1	15.62	15.47	15.61	16.7	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	15.91	15.61	15.64	16.7	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	15.49	15.47	15.55	15.7	0.0
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	15.63	15.38	15.60	16.7	0.0
Channel								
Frequency (MHz)				630300	633334	636334		
15	QPSK	1	1	15.47	15.40	15.46	16.7	0.0
Channel								
Frequency (MHz)				3462.01	3500.01	3542.01		
10	QPSK	1	1	15.51	15.41	15.47	16.7	0.0



Part27Q n77 PC2 DSI5_Simultaneous Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		3500.01				
100	PI2 BPSK	1	137		18.82				
100	PI2 BPSK	1	271		18.88				
100	PI2 BPSK	135	0		18.82		19.7	0.0	
100	PI2 BPSK	135	69		18.93				
100	PI2 BPSK	135	138		18.83		19.7	0.0	
100	PI2 BPSK	270	0		18.95				
100	QPSK	1	1		19.02				
100	QPSK	1	197		18.74				
100	QPSK	1	271		18.76				
100	QPSK	135	0		18.78		19.7	0.0	
100	QPSK	135	69		18.87				
100	QPSK	135	138		18.79		19.7	0.0	
100	QPSK	270	0		18.95				
100	16QAM	1	1		18.77		19.7	0.0	
100	64QAM	1	1		18.84		19.7	0.0	
100	256QAM	1	1		18.94		19.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02			
				18.66	18.51	18.68		19.7	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3498.02	3503.03	3508			
				18.55	18.51	18.54		19.7	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3515.01			
				18.71	18.40	18.71		19.7	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02			
				18.64	18.39	18.68		19.7	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525			
				18.59	18.52	18.60		19.7	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.03	3500.01	3530.03			
				18.60	18.37	18.59		19.7	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02			
				18.74	18.36	18.57		19.7	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540			
				18.77	18.43	18.73		19.7	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500.01	3542.50			
				18.73	18.59	18.62		19.7	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500.01	3545.01			
				18.54	18.47	18.63		19.7	0.0



Part270 n78 DSI5_Simultaneous Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	15.27				
100	PI2 BPSK	1	137	15.27			16.7	0.0
100	PI2 BPSK	1	271	15.31				
100	PI2 BPSK	135	0	15.44			16.7	0.0
100	PI2 BPSK	135	69	15.10			16.7	0.0
100	PI2 BPSK	135	138	15.27			16.7	0.0
100	PI2 BPSK	270	0	15.28			16.7	0.0
100	QPSK	1	1	15.47				
100	QPSK	1	137	15.45			16.7	0.0
100	QPSK	1	271	15.26				
100	QPSK	135	0	15.34			16.7	0.0
100	QPSK	135	69	15.35			16.7	0.0
100	QPSK	135	138	15.06			16.7	0.0
100	QPSK	270	0	15.34			16.7	0.0
100	16QAM	1	1	15.35			16.7	0.0
100	64QAM	1	1	15.34			16.7	0.0
100	256QAM	1	1	15.21			15.7	0.0
Channel								
Frequency (MHz)				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	16.7	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	15.15	15.43	14.84	16.7	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	15.08	15.39	14.90	15.7	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	16.7	0.0
Channel								
Frequency (MHz)				15.16	15.40	14.86	16.7	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	15.07	15.35	14.85	16.7	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	14.97	15.38	14.83	16.7	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	16.7	0.0
Channel								
Frequency (MHz)				15.06	15.26	15.04	15.7	0.0
Channel								
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	15.03	15.43	14.85	16.7	0.0
Channel								
Frequency (MHz)				64716	65000	65234	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	15.08	15.43	14.92	16.7	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	15.05	15.38	14.85	15.7	0.0

Part270 n78 PC2 DSI5_Simultaneous Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	18.58				
100	PI2 BPSK	1	137	18.32			19.7	0.0
100	PI2 BPSK	1	271	18.39				
100	PI2 BPSK	135	0	18.50			19.7	0.0
100	PI2 BPSK	135	69	18.33			19.7	0.0
100	PI2 BPSK	135	138	18.43			19.7	0.0
100	PI2 BPSK	270	0	18.42			19.7	0.0
100	QPSK	1	1	18.62				
100	QPSK	1	137	18.56			19.7	0.0
100	QPSK	1	271	18.41				
100	QPSK	135	0	18.50			19.7	0.0
100	QPSK	135	69	18.47			19.7	0.0
100	QPSK	135	138	18.33			19.7	0.0
100	QPSK	270	0	18.44			19.7	0.0
100	16QAM	1	1	18.30			19.7	0.0
100	64QAM	1	1	18.24			19.7	0.0
100	256QAM	1	1	18.12			14.8	0.0
Channel								
Frequency (MHz)				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	19.7	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.58	18.26	18.11	19.7	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.44	18.25	18.08	19.7	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	19.7	0.0
Channel								
Frequency (MHz)				18.47	18.24	18.29	19.7	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.57	18.27	18.13	19.7	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.44	18.34	18.18	19.7	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	19.7	0.0
Channel								
Frequency (MHz)				18.44	18.48	18.28	19.7	0.0
Channel								
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.55	18.28	18.27	19.7	0.0
Channel								
Frequency (MHz)				64716	65000	65234	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.50	18.27	18.26	19.7	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.45	18.37	18.23	15.7	0.0

Part27Q n78 DSI5_Simultaneous Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1	15.63				
100	PI2 BPSK	1	137	15.72			16.7	0.0
100	PI2 BPSK	1	271	15.63				
100	PI2 BPSK	135	0	15.46			16.7	0.0
100	PI2 BPSK	135	69	15.59			16.7	0.0
100	PI2 BPSK	135	138	15.59			16.7	0.0
100	PI2 BPSK	270	0	15.58			16.7	0.0
100	QPSK	1	1	15.74				
100	QPSK	1	137	15.53			16.7	0.0
100	QPSK	1	271	15.55				
100	QPSK	135	0	15.60			16.7	0.0
100	QPSK	135	69	15.70			16.7	0.0
100	QPSK	135	138	15.66			16.7	0.0
100	QPSK	270	0	15.65			16.7	0.0
100	16QAM	1	1	15.43			16.7	0.0
100	64QAM	1	1	15.63			16.7	0.0
100	256QAM	1	1	15.21			14.8	0.0
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	16.7	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	15.55	15.24	15.28	16.7	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	15.32	15.48	15.45	15.7	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3480	3500.01	3520.02	16.7	0.0
Channel								
Frequency (MHz)				15.40	15.31	15.41	16.7	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	15.45	15.34	15.36	16.7	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	15.36	15.45	15.40	16.7	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3465	3500.01	3535.02	16.7	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	15.47	15.25	15.26	16.7	0.0
Channel								
Frequency (MHz)				63030	63334	63634	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	15.37	15.32	15.27	16.7	0.0
Channel								
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	15.37	15.25	15.33	16.7	0.0



Part27Q n78 DSI5_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01	3549.99	3600			
100	Pl2 BPSK	1	1	15.63	15.69	15.59	16.7	0.0	
100	Pl2 BPSK	1	137	15.72	15.73	15.52	16.7	0.0	
100	Pl2 BPSK	1	271	15.83	15.85	15.61	16.7	0.0	
100	Pl2 BPSK	135	0	15.46	15.48	15.38	16.7	0.0	
100	Pl2 BPSK	135	69	15.59	15.64	15.41	16.7	0.0	
100	Pl2 BPSK	135	138	15.59	15.59	15.56	16.7	0.0	
100	Pl2 BPSK	270	0	15.58	15.69	15.50	16.7	0.0	
100	QPSK	1	1	15.74	15.71	15.62	16.7	0.0	
100	QPSK	1	137	15.53	15.47	15.46	16.7	0.0	
100	QPSK	1	271	15.55	15.47	15.46	16.7	0.0	
100	QPSK	135	0	15.60	15.55	15.58	16.7	0.0	
100	QPSK	135	69	15.70	15.68	15.50	16.7	0.0	
100	QPSK	135	138	15.66	15.66	15.62	16.7	0.0	
100	QPSK	270	0	15.65	15.54	15.47	16.7	0.0	
100	16QAM	1	1	15.43	15.37	15.43	16.7	0.0	
100	16QAM	1	1	15.63	15.67	15.45	16.7	0.0	
100	256QAM	1	1	14.33	14.31	14.76	16.7	0.0	
Channel									
Frequency (MHz)				3495	3549.99	3604.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	15.35	15.03	15.43	16.7	0.0	
Channel									
Frequency (MHz)				63068	63666	64066	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	15.55	15.53	15.50	16.7	0.0	
Channel									
Frequency (MHz)				63234	63666	64100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	15.52	15.52	15.44	16.7	0.0	
Channel									
Frequency (MHz)				63200	63666	64132	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	15.40	15.62	15.46	16.7	0.0	
Channel									
Frequency (MHz)				3475.02	3549.99	3624.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	15.45	15.51	15.52	16.7	0.0	
Channel									
Frequency (MHz)				63134	63666	64000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	15.36	15.62	15.38	16.7	0.0	
Channel									
Frequency (MHz)				63100	63666	64232	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	15.24	15.66	15.58	16.7	0.0	
Channel									
Frequency (MHz)				3460.02	3549.99	3609.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.47	15.49	15.52	16.7	0.0	
Channel									
Frequency (MHz)				63000	63666	64000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.37	15.58	15.59	16.7	0.0	
Channel									
Frequency (MHz)				63034	63666	64300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.37	15.45	15.55	16.7	0.0	

Part27Q n78 PC2 DSI5_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01	3549.99	3600			
100	Pl2 BPSK	1	1	16.07	16.09	15.99	16.7	0.0	
100	Pl2 BPSK	1	137	16.06	16.06	15.86	16.7	0.0	
100	Pl2 BPSK	1	271	16.19	16.19	15.99	16.7	0.0	
100	Pl2 BPSK	135	0	16.70	16.70	16.50	16.7	0.0	
100	Pl2 BPSK	135	69	16.86	16.86	16.66	16.7	0.0	
100	Pl2 BPSK	135	138	16.85	16.85	16.65	16.7	0.0	
100	Pl2 BPSK	270	0	16.62	16.62	16.42	16.7	0.0	
100	QPSK	1	1	16.81	16.81	16.61	16.7	0.0	
100	QPSK	1	137	16.65	16.65	16.45	16.7	0.0	
100	QPSK	1	271	16.62	16.62	16.42	16.7	0.0	
100	QPSK	135	0	16.70	16.70	16.50	16.7	0.0	
100	QPSK	135	69	16.72	16.72	16.52	16.7	0.0	
100	QPSK	135	138	16.63	16.63	16.43	16.7	0.0	
100	QPSK	270	0	16.70	16.70	16.50	16.7	0.0	
100	16QAM	1	1	16.73	16.73	16.53	16.7	0.0	
100	16QAM	1	1	16.83	16.83	16.63	16.7	0.0	
100	256QAM	1	1	16.56	16.56	16.36	16.7	0.0	
Channel									
Frequency (MHz)				63300	63334	63366	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	16.34	16.22	16.34	16.7	0.0	
Channel									
Frequency (MHz)				63068	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.32	16.36	16.36	16.7	0.0	
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	16.53	16.22	16.44	16.7	0.0	
Channel									
Frequency (MHz)				63200	63334	63466	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	16.49	16.35	16.32	16.7	0.0	
Channel									
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	16.33	16.31	16.48	16.7	0.0	
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.54	16.24	16.37	16.7	0.0	
Channel									
Frequency (MHz)				63100	63334	63666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.52	16.25	16.29	16.7	0.0	
Channel									
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.34	16.24	16.48	16.7	0.0	
Channel									
Frequency (MHz)				63000	63334	63666	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.38	16.25	16.35	16.7	0.0	
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.50	16.27	16.56	16.7	0.0	



Reduced Power Mode for DSI6-Standalone

n2 Ant 0									
BW (MHz)	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)									
20	PI2 BPSK	1	1	22.93	23.07	22.99	24.0	0.0	
20	PI2 BPSK	1	53	22.79	22.98	22.82			
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.89			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.87	22.95	22.87			
20	QPSK	50	0	22.92	22.93	22.84			
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.87	24.0	0.0	
20	16QAM	1	1	22.74	22.86	22.71			
20	64QAM	1	1	21.76	21.88	21.83			
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	1852.5	1860	1852.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3710.0	3760.0	3810.0	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	1852.5	1860	1857.5	Tune-up limit (dBm)	MPR (dB)	

n5 Ant 0									
BW (MHz)	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)									
20	PI2 BPSK	1	1	23.09	23.19	23.14	24.0	0.0	
20	PI2 BPSK	1	53	22.87	23.04	22.84			
20	PI2 BPSK	1	104	22.84	22.96	22.93			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.83	22.96	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.94	23.00	22.93			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.96	22.89			
20	QPSK	50	28	23.09	23.18	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07	24.0	0.0	
20	16QAM	1	1	23.02	23.08	22.95			
20	64QAM	1	1	22.57	22.71	22.58			
20	256QAM	1	1	21.90	22.04	21.94	23.0	1.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	1683.0	1673.0	1683.0	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3291.5	3283.5	3291.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	1683.0	1673.0	1683.0	Tune-up limit (dBm)	MPR (dB)	

n7 Ant 0									
BW (MHz)	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)									
40	PI2 BPSK	1	1	21.84	21.90	21.78	23.0	0.0	
40	PI2 BPSK	1	108	21.76	21.87	21.83			
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.96	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.86	21.78			
40	QPSK	108	54	21.78	21.95	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77	23.0	0.0	
40	16QAM	1	1	21.80	21.84	21.74			
40	64QAM	1	1	21.05	21.14	21.09			
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2515	2535	2555	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	5025.0	5070.0	5110.0	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.81	21.84	21.74	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	5010.0	5070.0	5130.0	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.87	21.88	21.60	23.0	0.0	



n12 Ant 0										
BW (MHz)	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)										
15	PI2 BPSK	1	1	23.05	23.11	22.97				
15	PI2 BPSK	1	40	22.84	22.82	22.80	24.0	0.0		
15	PI2 BPSK	1	77	22.75	22.80	22.74				
15	PI2 BPSK	36	0	22.96	23.01	22.96	24.0	0.0		
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0	0.0		
15	PI2 BPSK	36	43	22.90	22.96	22.88				
15	PI2 BPSK	75	0	22.90	23.02	22.96	24.0	0.0		
15	QPSK	1	1	23.13	23.19	23.12				
15	QPSK	1	40	23.07	23.12	23.08	24.0	0.0		
15	QPSK	1	77	22.87	22.95	22.90				
15	QPSK	36	0	22.92	23.01	22.99	24.0	0.0		
15	QPSK	36	22	22.97	23.06	22.97	24.0	0.0		
15	QPSK	36	43	22.94	22.99	22.89				
15	QPSK	75	0	22.89	23.01	22.90				
15	16QAM	1	1	23.07	23.11	23.07	24.0	0.0		
15	16QAM	1	1	22.01	22.11	22.03	23.0	1.0		
15	256QAM	1	1	20.14	20.28	20.17	21.0	3.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	23.03	23.14	23.06	24.0	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	701.5	707.5	713.5	24.0	0.0		

n13 Ant 0										
BW (MHz)	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)										
10	PI2 BPSK	1	1		23.18					
10	PI2 BPSK	1	26		23.13		24.0	0.0		
10	PI2 BPSK	1	50		23.05					
10	PI2 BPSK	25	0		22.97		23.5	0.5		
10	PI2 BPSK	25	14		23.15		24.0	0.0		
10	PI2 BPSK	25	27		23.01					
10	PI2 BPSK	50	0		23.11		23.5	0.5		
10	QPSK	1	1		23.29					
10	QPSK	1	26		23.19		24.0	0.0		
10	QPSK	1	50		23.13					
10	QPSK	25	0		22.46		23.0	1.0		
10	QPSK	25	14		23.19		24.0	0.0		
10	QPSK	25	27		22.97					
10	QPSK	50	0		22.58		23.0	1.0		
10	16QAM	1	1		21.67		21.0	1.0		
10	16QAM	1	1		20.78		21.5	2.5		
10	256QAM	1	1		19.36		19.5	4.5		
Channel										
Frequency (MHz)										
5	QPSK	1	1	2320	2326	2322	24.0	0.0		

n14 Ant 0										
BW (MHz)	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)										
10	PI2 BPSK	1	1		23.37					
10	PI2 BPSK	1	26		23.28		24.0	0.0		
10	PI2 BPSK	1	50		23.33					
10	PI2 BPSK	25	0		23.28		24.0	0.0		
10	PI2 BPSK	25	14		23.35		24.0	0.0		
10	PI2 BPSK	25	27		23.28					
10	PI2 BPSK	50	0		23.31		24.0	0.0		
10	QPSK	1	1		23.43					
10	QPSK	1	26		23.31		24.0	0.0		
10	QPSK	1	50		23.36					
10	QPSK	25	0		23.31		24.0	0.0		
10	QPSK	25	14		23.35		24.0	0.0		
10	QPSK	25	27		23.26					
10	QPSK	50	0		23.33		24.0	0.0		
10	16QAM	1	1		23.22		24.0	0.0		
10	16QAM	1	1		22.17		23.0	1.0		
10	256QAM	1	1		20.40		21.0	3.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	2332	2340	2330	24.0	0.0		



n25 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374200	376900	379600			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.00	23.13	23.12			
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0	
40	PI2 BPSK	1	214	22.98	23.08	23.02			
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0	
40	PI2 BPSK	108	84	23.04	23.11	23.14	24.0	0.0	
40	PI2 BPSK	108	108	22.96	23.07	22.93			
40	PI2 BPSK	216	0	22.98	22.98	23.05	24.0	0.0	
40	QPSK	1	1	23.08	23.25	23.21			
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0	
40	QPSK	1	214	23.02	23.06	23.00			
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0	
40	QPSK	108	84	23.02	23.16	22.97	24.0	0.0	
40	QPSK	108	108	22.98	23.08	22.83	24.0	0.0	
40	QPSK	216	0	23.04	23.12	23.04			
40	16QAM	1	1	23.08	23.21	23.18	24.0	0.0	
40	64QAM	1	1	22.05	22.13	22.08	23.0	1.0	
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.92	23.11	23.06	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	22.89	23.19	23.08	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1858	1882.5	1910			
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1856	1882.5	1912			
10	QPSK	1	1	22.95	23.21	23.17	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	22.90	23.17	23.14	24.0	0.0	

n26 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				854	831.5	839			
20	PI2 BPSK	1	1	23.38	23.40	23.33			
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.11	23.05			
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0	
20	PI2 BPSK	50	28	23.25	23.31	23.18	24.0	0.0	
20	PI2 BPSK	50	56	23.02	23.15	23.08			
20	PI2 BPSK	100	0	23.17	23.28	23.22	24.0	0.0	
20	QPSK	1	1	23.43	23.49	23.38			
20	QPSK	1	53	23.29	23.40	23.32	24.0	0.0	
20	QPSK	1	104	23.27	23.34	23.22			
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0	
20	QPSK	50	28	23.39	23.43	23.32	24.0	0.0	
20	QPSK	50	56	23.20	23.31	23.28	24.0	0.0	
20	QPSK	100	0	23.31	23.38	23.26			
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0	
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0	
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	23.33	23.30	23.33	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	23.31	23.29	23.25	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0	



n30 Ant 0									
BW (MHz)	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)									
2310									
10	PI2 BPSK	1	1	22.91			24.0	0.0	
10	PI2 BPSK	1	26	22.89					
10	PI2 BPSK	1	50	22.82					
10	PI2 BPSK	25	0	22.91			24.0	0.0	
10	PI2 BPSK	25	14	22.92			24.0	0.0	
10	PI2 BPSK	25	27	22.87			24.0	0.0	
10	PI2 BPSK	50	0	22.81					
10	QPSK	1	1	23.03					
10	QPSK	1	26	22.91			24.0	0.0	
10	QPSK	1	50	22.90					
10	QPSK	25	0	22.80			24.0	0.0	
10	QPSK	25	14	22.93			24.0	0.0	
10	QPSK	25	27	22.89			24.0	0.0	
10	QPSK	50	0	22.90					
10	16QAM	1	1	22.86			24.0	0.0	
10	16QAM	1	1	22.17			23.0	1.0	
10	256QAM	1	1	20.17			21.0	3.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2287.5	2310	2332.5	24.0	0.0	
5	QPSK	1	1	22.53	22.90	22.91	24.0	0.0	

n66 Ant 0									
BW (MHz)	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)									
1730 1745 1760									
40	PI2 BPSK	1	1	23.18	23.29	23.32	24.0	0.0	
40	PI2 BPSK	1	108	23.07	23.36	23.14			
40	PI2 BPSK	1	214	23.29	23.14	23.27			
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0	
40	PI2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0	
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0	
40	PI2 BPSK	216	0	23.04	23.22	23.21			
40	QPSK	1	1	23.28	23.45	23.40			
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0	
40	QPSK	1	214	23.26	23.26	23.25			
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0	
40	QPSK	108	54	23.22	23.39	23.24	24.0	0.0	
40	QPSK	108	108	23.15	23.29	23.16	24.0	0.0	
40	QPSK	216	0	23.21	23.35	23.22			
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0	
40	16QAM	1	1	21.92	21.37	21.54	23.0	1.0	
40	256QAM	1	1	20.38	20.24	20.44	21.0	3.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
1720 1745 1770									
20	QPSK	1	1	23.13	23.41	23.36	24.0	0.0	
Channel									
Frequency (MHz)									
1717.5 1745 1772.5									
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0	
Channel									
Frequency (MHz)									
1715 1745 1775									
10	QPSK	1	1	23.22	23.34	23.28	24.0	0.0	
Channel									
Frequency (MHz)									
1712.5 1745 1772.5									
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0	

n70 Ant 0									
BW (MHz)	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)									
1702.5									
15	PI2 BPSK	1	1		20.88		22.0	0.0	
15	PI2 BPSK	1	40		20.92				
15	PI2 BPSK	1	77		20.96				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.98		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.92		22.0	0.0	
15	QPSK	36	43		20.87		21.0	1.0	
15	QPSK	75	0		20.78		21.0	1.0	
15	16QAM	1	1		19.65		19.5	2.5	
15	16QAM	1	1		18.01				
15	256QAM	1	1		16.67		17.5	4.5	
Channel				349000	349500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	22.0	0.0	
10	QPSK	1	1	20.95	20.91	20.88	22.0	0.0	
Channel									
Frequency (MHz)									
1697.5 1702.5 1707.5									
5	QPSK	1	1	20.89	20.96	20.89	22.0	0.0	



n71 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134000	134100	134200		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	23.27	23.32	23.24	24.0	0.0
20	PI2 BPSK	1	53	23.19	23.28	23.17		
20	PI2 BPSK	1	104	23.09	23.22	23.19		
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0
20	PI2 BPSK	50	28	23.21	23.29	23.17	24.0	0.0
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0
20	PI2 BPSK	100	0	23.10	23.22	23.09		
20	QPSK	1	1	23.27	23.38	23.34		
20	QPSK	1	53	23.17	23.31	23.26	24.0	0.0
20	QPSK	1	104	23.18	23.29	23.23		
20	QPSK	50	0	23.11	23.23	23.11		
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0
20	QPSK	100	0	23.14	23.26	23.14		
20	QAM	1	1	22.76	22.86	22.84		
20	QAM	1	1	22.10	22.19	22.12	23.0	1.0
20	256QAM	1	1	20.83	20.57	20.48	21.0	3.0
Channel				134100	138100	138100	Tune-up limit	MPR
Frequency (MHz)				673.5	680.5	687.5	(dBm)	(dB)
15	QPSK	1	1	23.15	23.35	23.20	24.0	0.0
Channel				133900	138100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				666.5	680.5	686.5	(dBm)	(dB)
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0



n38 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	20.72	20.98	20.83		
30	PI2 BPSK	1	40	20.73	20.90	20.71	22.3	0.0
30	PI2 BPSK	1	76	20.68	20.88	20.78		
30	PI2 BPSK	36	0	20.85	20.77	20.62	22.3	0.0
30	PI2 BPSK	36	21	20.98	20.81	20.89	22.3	0.0
30	PI2 BPSK	36	42	20.57	20.78	20.68		
30	PI2 BPSK	75	0	20.59	20.79	20.68	22.3	0.0
30	QPSK	1	1	20.84	21.03	20.99		
30	QPSK	1	40	20.76	21.00	20.83	22.3	0.0
30	QPSK	1	76	20.91	20.75	20.76		
30	QPSK	36	0	20.69	20.90	20.75	22.3	0.0
30	QPSK	36	21	20.88	20.91	20.76	22.3	0.0
30	QPSK	36	42	20.77	20.88	20.80	22.3	0.0
30	QPSK	75	0	20.80	20.95	20.65		
30	16QAM	1	1	21.01	20.94	20.83	22.3	0.0
30	64QAM	1	1	20.50	20.59	20.44	21.6	0.8
30	256QAM	1	1	18.72	18.84	18.71	18.5	2.0
Channel				515004	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	20.62	20.71	20.62	22.3	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2584	2595	2610		
20	QPSK	1	1	20.75	20.81	20.84	22.3	0.0
Channel				515502	519000	524998		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.65	20.90	20.81	22.3	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2576.02	2595	2614.98		
10	QPSK	1	1	20.53	20.90	20.80	22.3	0.0

n41 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				506002	518998	528998		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	20.81	21.00	20.92		
100	PI2 BPSK	1	137	20.79	20.97	20.98	22.3	0.0
100	PI2 BPSK	1	271	20.75	20.93	20.77		
100	PI2 BPSK	135	0	20.87	21.04	20.74	22.3	0.0
100	PI2 BPSK	135	69	21.01	20.83	20.88	22.3	0.0
100	PI2 BPSK	135	138	20.75	20.95	20.82		
100	PI2 BPSK	270	0	20.32	20.39	20.35	22.3	0.0
100	QPSK	1	1	20.86	21.15	20.95		
100	QPSK	1	137	20.80	20.95	20.83	22.3	0.0
100	QPSK	1	271	20.85	20.89	20.89		
100	QPSK	135	0	20.91	21.00	20.90	22.0	0.3
100	QPSK	135	69	20.89	21.02	20.95	22.3	0.0
100	QPSK	135	138	20.88	21.01	20.83	22.0	0.3
100	QPSK	270	0	20.80	20.94	20.81	22.0	0.3
100	16QAM	1	1	20.97	21.03	20.89	22.0	0.3
100	64QAM	1	1	19.02	19.16	19.03	20.5	1.8
100	256QAM	1	1	17.45	17.53	17.43	18.5	3.0
Channel				515000	518998	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.72	20.93	20.66	22.3	0.0
Channel				507204	518998	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	20.68	21.04	20.78	22.3	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.62	20.87	20.74	22.3	0.0
Channel				505000	518998	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.57	21.04	20.67	22.3	0.0
Channel				504004	518998	532996		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.78	21.04	20.74	22.3	0.0
Channel				503002	518998	534000		
Frequency (MHz)				2416.01	2592.99	2670		
40	QPSK	1	1	20.60	20.83	20.81	22.3	0.0
Channel				502000	518998	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.57	20.84	20.73	22.3	0.0
Channel				501004	518998	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.67	21.06	20.69	22.3	0.0



n41 PC2 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	526000		
Frequency (MHz)				2346.01	2392.99	2340		
100	PI2 BPSK	1	1	23.92	23.82	23.89		
100	PI2 BPSK	1	137	23.75	23.96	23.74	25.3	0.0
100	PI2 BPSK	1	271	23.69	23.77	23.69		
100	PI2 BPSK	135	0	23.57	23.86	23.68	25.3	0.0
100	PI2 BPSK	135	69	23.71	23.86	23.76	25.3	0.0
100	PI2 BPSK	135	138	23.58	23.63	23.74	25.3	0.0
100	PI2 BPSK	270	0	23.78	23.70	23.82		
100	QPSK	1	1	23.82	23.96	23.86		
100	QPSK	1	137	23.66	23.86	23.67	25.3	0.0
100	QPSK	1	271	23.81	23.71	23.65		
100	QPSK	135	0	23.81	23.83	23.87	25.3	0.0
100	QPSK	135	69	23.90	24.00	23.69	25.3	0.0
100	QPSK	135	138	23.74	23.63	23.86	25.3	0.0
100	QPSK	270	0	23.52	23.51	23.39		
100	16QAM	1	1	23.63	23.69	23.82	25.3	0.0
100	64QAM	1	1	22.57	22.62	22.52	24.0	1.3
100	256QAM	1	1	20.16	20.30	20.15	22.0	3.3
Channel				510000	518598	525998		
Frequency (MHz)				2341	2392.99	2344.98		
90	QPSK	1	1	23.66	23.86	23.61	25.3	0.0
Channel				507204	518598	525998		
Frequency (MHz)				2338.02	2392.99	2343.99		
80	QPSK	1	1	23.55	23.88	23.77	25.3	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2331.01	2392.99	2365		
70	QPSK	1	1	23.54	23.74	23.71	25.3	0.0
Channel				505000	518598	531998		
Frequency (MHz)				2326	2392.99	2369.98		
60	QPSK	1	1	23.74	23.75	23.65	25.3	0.0
Channel				502004	518598	532000		
Frequency (MHz)				2321.02	2392.99	2364.99		
50	QPSK	1	1	23.72	23.74	23.59	25.3	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2316.01	2392.99	2360		
40	QPSK	1	1	23.56	23.74	23.67	25.3	0.0
Channel				502000	518598	534998		
Frequency (MHz)				2311	2392.99	2374.98		
30	QPSK	1	1	23.74	23.75	23.64	25.3	0.0
Channel				501004	518598	535998		
Frequency (MHz)				2306.02	2392.99	2379.98		
20	QPSK	1	1	23.70	23.68	23.62	25.3	0.0

n48 Part96 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	20.87	21.01	20.96		
40	PI2 BPSK	1	53	20.85	20.99	20.89	22.0	0.0
40	PI2 BPSK	1	104	20.91	20.95	20.91		
40	PI2 BPSK	50	0	20.30	20.40	20.34	21.5	0.5
40	PI2 BPSK	50	26	20.84	20.97	20.82	22.0	0.0
40	PI2 BPSK	50	56	20.34	20.39	20.34	21.5	0.5
40	PI2 BPSK	100	0	20.38	20.43	20.30		
40	QPSK	1	1	20.99	21.09	20.94		
40	QPSK	1	53	20.95	21.03	20.97	22.0	0.0
40	QPSK	1	104	20.92	20.96	20.93		
40	QPSK	50	0	20.02	20.13	19.98	21.0	1.0
40	QPSK	50	28	20.94	21.05	20.88	22.0	0.0
40	QPSK	90	56	19.88	20.04	19.82	21.0	1.0
40	QPSK	100	0	19.94	20.07	20.03	21.0	1.0
40	16QAM	1	1	19.90	19.98	19.81	21.0	1.0
40	64QAM	1	1	18.57	18.78	18.64	19.5	2.5
40	256QAM	1	1	16.82	16.82	16.67	17.5	4.5
Channel				637000	641666	645000		
Frequency (MHz)				3665.02	3634.99	3684.99		
30	QPSK	1	1	20.87	21.03	20.83	22.0	0.0
Channel				637000	641666	646000		
Frequency (MHz)				3662.01	3624.99	3660		
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3556	3634.99	3694.98		
10	QPSK	1	1	20.90	20.89	20.89	22.0	0.0



Part270 n77 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 650000]	Power Middle Ch. [Freq. 656000]	Power High Ch. [Freq. 662000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	22.81	22.84	22.91		
100	Pl2 BPSK	1	137	22.84	23.02	22.97	24.0	0.0
100	Pl2 BPSK	1	271	22.77	22.89	22.77		
100	Pl2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	Pl2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	Pl2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	Pl2 BPSK	270	0	22.82	22.92	22.81	24.0	0.0
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.82	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.84	22.90	22.77	24.0	0.0
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.74	22.90	22.90	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.71	22.88	22.93	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

Part270 n77 PC2 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 650000]	Power Middle Ch. [Freq. 656000]	Power High Ch. [Freq. 662000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	25.68	25.92	25.60		
100	Pl2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	Pl2 BPSK	1	271	25.88	26.07	26.03		
100	Pl2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	Pl2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	Pl2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	Pl2 BPSK	270	0	25.70	25.91	25.87	27.0	0.0
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81	27.0	0.0
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.76	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.77	25.98	26.06	27.0	0.0

Part270Q n77 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 633000]	Power Middle Ch. [Freq. 633534]	Power High Ch. [Freq. 633534]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1		350.01			
100	Pl2 BPSK	1	137		23.32		24.0	0.0
100	Pl2 BPSK	1	271		23.26			
100	Pl2 BPSK	135	0		23.22		24.0	0.0
100	Pl2 BPSK	135	69		23.23		24.0	0.0
100	Pl2 BPSK	135	138		23.26		24.0	0.0
100	Pl2 BPSK	270	0		23.20		24.0	0.0
100	QPSK	1	1		23.36			
100	QPSK	1	137		23.28		24.0	0.0
100	QPSK	1	271		23.24			
100	QPSK	135	0		23.24		24.0	0.0
100	QPSK	135	69		23.29		24.0	0.0
100	QPSK	135	138		23.24		24.0	0.0
100	QPSK	270	0		23.23		24.0	0.0
100	16QAM	1	1		23.21		23.0	1.0
100	64QAM	1	1		22.32		23.0	1.0
100	256QAM	1	1		20.50		21.0	3.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633534	633534	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632988	633334	634000	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632968	633334	634000	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632948	633334	634000	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	632928	633334	634000	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	632908	633334	634000	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	632888	633334	634000	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	632868	633334	634000	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	632848	633334	634000	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	632828	633334	634000	24.0	0.0



Part27Q n77 PC2 Ant 0

BW (MHz)	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		3500.01			
100	PI2 BPSK	1	137		20.35			
100	PI2 BPSK	1	271		20.39		27.0	0.0
100	PI2 BPSK	1	271		20.38			
100	PI2 BPSK	135	0		20.33		27.0	0.0
100	PI2 BPSK	135	69		20.29		27.0	0.0
100	PI2 BPSK	135	138		20.35		27.0	0.0
100	PI2 BPSK	270	0		20.38			
100	QPSK	1	1		20.46			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.31		27.0	0.0
100	QPSK	135	0		20.29		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.26		27.0	0.0
100	QPSK	270	0		20.40			
100	16QAM	1	1		20.29		27.0	0.0
100	64QAM	1	1		20.06		26.5	0.5
100	256QAM	1	1		24.11		24.5	2.5
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	20.30	20.34	20.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.38	20.40	20.29	27.0	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	20.30	20.39	20.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.36	20.31	20.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631863	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.38	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	20.42	20.36	20.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.32	20.33	20.43	27.0	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	20.36	20.38	20.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.42	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	20.35	20.31	20.34	27.0	0.0



Part270 n78 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		22.0	2.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.75	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.78	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.52	22.73	22.74	24.0	0.0
Channel									
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.83	22.73	22.72	24.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

Part270 n78 PC2 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.85	25.94	25.87	27.0	0.0
Channel									
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.92	25.92	25.85	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	0.0

Part270 n78 Ant 0

BW (MHz)	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)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.15	23.19	23.25	24.0	0.0
Channel									
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.24	23.27	23.16	24.0	0.0
Channel									
Frequency (MHz)				63030	63334	63608	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				3452.01	3500.01	3542.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.15	23.25	24.0	0.0



Part27Q n78 PC2 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				630001				
Frequency (MHz)				3000.01				
100	PI2 BPSK	1	1	28.24			27.0	0.0
100	PI2 BPSK	1	137	28.33				
100	PI2 BPSK	1	271	28.28				
100	PI2 BPSK	135	0	28.22			27.0	0.0
100	PI2 BPSK	135	69	28.32			27.0	0.0
100	PI2 BPSK	135	138	28.27			27.0	0.0
100	PI2 BPSK	270	0	28.25				
100	QPSK	1	1	28.38			27.0	0.0
100	QPSK	1	137	28.29				
100	QPSK	1	271	28.25				
100	QPSK	135	0	28.30			27.0	0.0
100	QPSK	135	69	28.35			27.0	0.0
100	QPSK	135	138	28.32			27.0	0.0
100	QPSK	270	0	28.23				
100	16QAM	1	1	28.18			27.0	0.0
100	64QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.16			23.5	3.5
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	28.16	28.26	28.22	27.0	0.0
Channel				632068	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3510		
80	QPSK	1	1	28.24	28.24	28.24	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	28.22	28.29	28.29	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3500.02		
60	QPSK	1	1	28.20	28.26	28.16	27.0	0.0
Channel				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	28.28	28.29	28.28	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.01	3520.01	3530.01		
40	QPSK	1	1	28.18	28.23	28.29	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	28.24	28.34	28.29	27.0	0.0
Channel				630668	633334	635900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	28.22	28.27	28.20	27.0	0.0
Channel				630500	633334	636150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475	3500.01	3542.02		
15	QPSK	1	1	28.18	28.35	28.28	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.01	3500.01	3545.01		
10	QPSK	1	1	28.29	28.32	28.27	27.0	0.0



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				370000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.40	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	22.0	3.0	
Channel									
				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	22.0	1.0	
Channel									
				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
				166800	167300	168000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
				166800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	22.18	22.23	22.14			
40	PI2 BPSK	1	108	22.07	22.14	22.00	23.0	0.0	
40	PI2 BPSK	1	214	22.06	22.11	21.99			
40	PI2 BPSK	108	0	22.03	22.17	22.10	23.0	0.0	
40	PI2 BPSK	108	54	22.09	22.21	22.13	23.0	0.0	
40	PI2 BPSK	108	108	22.08	22.16	22.04	23.0	0.0	
40	PI2 BPSK	216	0	22.14	22.20	22.16			
40	QPSK	1	1	22.13	22.26	22.21			
40	QPSK	1	108	22.08	22.20	22.17	23.0	0.0	
40	QPSK	1	214	22.11	22.14	22.09			
40	QPSK	108	0	21.97	22.10	21.97	23.0	0.0	
40	QPSK	108	54	22.14	22.17	22.07	23.0	0.0	
40	QPSK	108	108	21.93	22.02	21.94	23.0	0.0	
40	QPSK	216	0	21.94	22.05	22.04			
40	16QAM	1	1	21.69	21.83	21.76	22.0	1.0	
40	64QAM	1	1	21.05	21.09	20.96	22.0	1.0	
40	256QAM	1	1	19.53	19.63	19.36	20.0	3.0	
Channel									
				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.15	22.15	22.11	23.0	0.0	
Channel									
				505000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	22.11	22.20	22.14	23.0	0.0	
Channel									
				505000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	PI2 BPSK	1	1	22.08	22.11	22.18	23.0	0.0	
Channel									
				505000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.07	22.18	22.10	23.0	0.0	
Channel									
				505000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.11	22.21	22.11	23.0	0.0	
Channel									
				505000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.13	22.22	22.15	23.0	0.0	



n12 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141600	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	21.62	21.66	21.76			
15	PI2 BPSK	1	49	21.64	21.71	21.80	23.0	0.0	
15	PI2 BPSK	1	77	21.49	21.59	21.46			
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0	
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0	
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0	
15	PI2 BPSK	75	0	21.71	21.79	21.70			
15	QPSK	1	1	21.87	21.95	21.82			
15	QPSK	1	49	21.76	21.83	21.74	23.0	0.0	
15	QPSK	1	77	21.70	21.79	21.67			
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0	
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0	
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0	
15	QPSK	75	0	21.72	21.76	21.74			
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0	
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0	
15	256QAM	1	1	19.33	19.41	19.29	23.0	3.0	
Channel				142000	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	21.82	21.88	21.69	23.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)	
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0	

n13 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				156400	156400				
Frequency (MHz)				782					
10	PI2 BPSK	1	1	21.84					
10	PI2 BPSK	1	26	21.79			23.0	0.0	
10	PI2 BPSK	1	50	21.72					
10	PI2 BPSK	25	0	20.93			22.5	0.5	
10	PI2 BPSK	25	14	21.86			23.0	0.0	
10	PI2 BPSK	25	27	21.76			22.5	0.5	
10	PI2 BPSK	50	0	21.81					
10	QPSK	1	1	21.94					
10	QPSK	1	26	21.87			23.0	0.0	
10	QPSK	1	50	21.83					
10	QPSK	25	0	20.89			22.0	1.0	
10	QPSK	25	14	21.89			23.0	0.0	
10	QPSK	25	27	21.13			22.0	1.0	
10	QPSK	50	0	21.16					
10	16QAM	1	1	20.71			22.0	1.0	
10	64QAM	1	1	19.53			20.5	2.5	
10	256QAM	1	1	18.22			18.5	4.5	
Channel				150900	150400	150900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5	(dBm)	(dB)	
5	QPSK	1	1	21.80	21.87	21.81	23.0	0.0	

n14 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				158100	158100				
Frequency (MHz)				793					
10	PI2 BPSK	1	1	21.98					
10	PI2 BPSK	1	26	21.90			23.0	0.0	
10	PI2 BPSK	1	50	21.86					
10	PI2 BPSK	25	0	21.89			23.0	0.0	
10	PI2 BPSK	25	14	21.95			23.0	0.0	
10	PI2 BPSK	25	27	21.86			23.0	0.0	
10	PI2 BPSK	50	0	21.93					
10	QPSK	1	1	22.04					
10	QPSK	1	26	22.01			23.0	0.0	
10	QPSK	1	50	21.96					
10	QPSK	25	0	21.94			23.0	0.0	
10	QPSK	25	14	21.99			23.0	0.0	
10	QPSK	25	27	21.87			23.0	0.0	
10	QPSK	50	0	21.94					
10	16QAM	1	1	21.88			23.0	0.0	
10	64QAM	1	1	20.85			22.0	1.0	
10	256QAM	1	1	19.09			20.0	3.0	
Channel				158100	158100	158100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5	(dBm)	(dB)	
5	QPSK	1	1	21.93	21.98	21.91	23.0	0.0	



n25 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				374500	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	21.39	21.43	21.33		
40	PI2 BPSK	1	108	21.32	21.37	21.22	23.0	0.0
40	PI2 BPSK	1	214	21.34	21.40	21.28		
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0
40	PI2 BPSK	108	54	21.38	21.40	21.38	23.0	0.0
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0
40	PI2 BPSK	216	0	21.28	21.38	21.26		
40	QPSK	1	1	21.49	21.52	21.45		
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0
40	QPSK	1	214	21.30	21.42	21.34		
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0
40	QPSK	216	0	21.38	21.44	21.33		
40	16QAM	1	1	21.33	21.37	21.26	23.0	0.0
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0
40	256QAM	1	1	19.07	19.13	19.00	20.0	3.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1892.5		
25	QPSK	1	1	21.35	21.41	21.39	23.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.34	21.40	21.31	23.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.36	21.43	21.38	23.0	0.0

n26 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.07	22.11	22.02		
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0
20	PI2 BPSK	1	104	21.85	21.91	21.80		
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0
20	PI2 BPSK	50	26	21.94	22.08	21.94	23.0	0.0
20	PI2 BPSK	50	55	21.83	21.91	21.81	23.0	0.0
20	PI2 BPSK	100	0	21.92	22.01	21.95		
20	QPSK	1	1	22.03	22.15	22.04		
20	QPSK	1	53	21.89	22.10	22.07	23.0	0.0
20	QPSK	1	104	21.91	22.05	21.94		
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0
20	QPSK	50	56	21.92	21.99	21.93	23.0	0.0
20	QPSK	100	0	22.02	22.08	21.94		
20	16QAM	1	1	21.64	21.75	21.69	23.0	0.0
20	64QAM	1	1	20.98	21.11	21.08	22.0	1.0
20	256QAM	1	1	19.32	19.41	19.33	20.0	3.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				818	831.5	844		
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815	831.5	846.5		
5	QPSK	1	1	21.95	22.01	21.91	23.0	0.0



n30 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel					2310				
Frequency (MHz)									
10	PI/2 BPSK	1	1	2173					
10	PI/2 BPSK	1	26	2179			23.0	0.0	
10	PI/2 BPSK	1	50	2173					
10	PI/2 BPSK	25	0	2169			23.0	0.0	
10	PI/2 BPSK	25	14	2169			23.0	0.0	
10	PI/2 BPSK	25	27	2168			23.0	0.0	
10	PI/2 BPSK	50	0	2165					
10	QPSK	1	1	2185					
10	QPSK	1	26	2181			23.0	0.0	
10	QPSK	1	50	2174					
10	QPSK	25	0	2171			23.0	0.0	
10	QPSK	25	14	2181			23.0	0.0	
10	QPSK	25	27	2167			23.0	0.0	
10	QPSK	50	0	2172			23.0	0.0	
10	16QAM	1	1	2169			23.0	0.0	
10	64QAM	1	1	2073			22.0	1.0	
10	256QAM	1	1	1837			22.0	3.0	
Channel					46190	46200	46250	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					2307.5	2310	2312.5		
5	QPSK	1	1	2179	2178	2179	23.0	0.0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel					346000	349000	352000		
Frequency (MHz)									
40	PI/2 BPSK	1	1	2167	2173	2181			
40	PI/2 BPSK	1	108	2149	2181	2155	23.0	0.0	
40	PI/2 BPSK	1	214	2158	2183	2180			
40	PI/2 BPSK	108	0	2150	2159	2148	23.0	0.0	
40	PI/2 BPSK	108	54	2185	2170	2156	23.0	0.0	
40	PI/2 BPSK	108	108	2150	2158	2152	23.0	0.0	
40	PI/2 BPSK	216	0	2159	2164	2152			
40	QPSK	1	1	2167	2179	2174			
40	QPSK	1	108	2182	2172	2183	23.0	0.0	
40	QPSK	1	214	2157	2187	2154			
40	QPSK	108	0	2157	2182	2157	23.0	0.0	
40	QPSK	108	54	2182	2174	2180	23.0	0.0	
40	QPSK	108	108	2180	2188	2155	23.0	0.0	
40	QPSK	216	0	2167	2171	2184			
40	16QAM	1	1	2152	2183	2152	23.0	0.0	
40	64QAM	1	1	2082	2097	2093	22.0	1.0	
40	256QAM	1	1	1932	1977	1988	23.0	3.0	
Channel					352000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1725	1745	1765		
30	QPSK	1	1	2184	2170	2180	23.0	0.0	
Channel					345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1777.5	1745	1772.5		
15	QPSK	1	1	2164	2175	2154	23.0	0.0	
Channel					343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1715	1745	1775		
10	QPSK	1	1	2180	2173	2182	23.0	0.0	
Channel					352500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1732.5	1745	1777.5		
5	QPSK	1	1	2152	2171	2188	23.0	0.0	

n70 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel					1702.5				
Frequency (MHz)									
15	PI/2 BPSK	1	1	2150					
15	PI/2 BPSK	1	40	2187			23.0	0.0	
15	PI/2 BPSK	1	77	2182					
15	PI/2 BPSK	36	0	2134			22.5	0.5	
15	PI/2 BPSK	36	22	2186			23.0	0.0	
15	PI/2 BPSK	36	43	2126			22.5	0.5	
15	PI/2 BPSK	75	0	2132					
15	QPSK	1	1	2195					
15	QPSK	1	40	2183			23.0	0.0	
15	QPSK	1	77	2186					
15	QPSK	36	0	2135			22.0	1.0	
15	QPSK	36	22	2188			23.0	0.0	
15	QPSK	36	43	2140			22.0	1.0	
15	QPSK	75	0	2132					
15	16QAM	1	1	2134			22.0	1.0	
15	64QAM	1	1	1988			20.5	2.5	
15	256QAM	1	1	1752			18.5	4.5	
Channel					345000	345000	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1700	1702.5	1705		
10	QPSK	1	1	2184	2192	2181	23.0	0.0	
Channel					335000	345000	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1697.5	1702.5	1707.5		
5	QPSK	1	1	2181	2188	2183	23.0	0.0	



n71 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.07	22.18	22.14		
20	PI/2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI/2 BPSK	1	104	21.91	22.06	21.99		
20	PI/2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI/2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI/2 BPSK	50	56	22.03	22.07	21.98		
20	PI/2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.16	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	56	21.91	22.06	21.99		
20	QPSK	100	0	22.03	22.13	21.99	23.0	0.0
20	16QAM	1	1	21.96	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.99	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.49	19.42	23.0	3.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit	MPR
Frequency (MHz)				688	690.5	693	(dBm)	(dB)
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				690.5	691.5	692.5	(dBm)	(dB)
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				517052	516000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	22.41	22.44	22.55		
30	PI2 BPSK	1	40	22.26	22.39	22.36	23.0	0.0
30	PI2 BPSK	1	76	22.13	22.27	22.12		
30	PI2 BPSK	36	0	22.30	22.42	22.29	23.0	0.0
30	PI2 BPSK	36	21	22.34	22.39	22.26	23.0	0.0
30	PI2 BPSK	36	42	22.23	22.35	22.30		
30	PI2 BPSK	75	0	22.33	22.38	22.33	23.0	0.0
30	QPSK	1	1	22.41	22.53	22.47		
30	QPSK	1	40	22.36	22.42	22.33	23.0	0.0
30	QPSK	1	76	22.41	22.45	22.39		
30	QPSK	36	0	22.29	22.41	22.38	23.0	0.0
30	QPSK	36	21	22.37	22.46	22.40	23.0	0.0
30	QPSK	36	42	22.28	22.32	22.20	23.0	0.0
30	QPSK	75	0	22.33	22.38	22.36		
30	16QAM	1	1	22.26	22.39	22.27	23.0	0.0
30	64QAM	1	1	20.74	20.89	20.83	21.5	1.5
30	256QAM	1	1	19.07	19.21	19.03	19.5	3.5
Channel				515504	515000	514506		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.28	22.49	22.43	23.0	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2584	2595	2610		
20	QPSK	1	1	22.29	22.39	22.37	23.0	0.0
Channel				515502	516000	524998		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.30	22.41	22.31	23.0	0.0
Channel				515004	516000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.28	22.47	22.35	23.0	0.0

n41 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528000		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.92	22.04	21.97		
100	PI2 BPSK	1	137	21.90	21.98	21.98	23.0	0.0
100	PI2 BPSK	1	271	21.88	21.95	21.89		
100	PI2 BPSK	135	0	21.42	21.45	21.38	22.5	0.5
100	PI2 BPSK	135	69	21.98	22.02	21.88	23.0	0.0
100	PI2 BPSK	135	138	21.37	21.49	21.41		
100	PI2 BPSK	270	0	21.31	21.40	21.36	22.5	0.5
100	QPSK	1	1	21.98	22.07	22.03		
100	QPSK	1	137	21.95	22.01	21.87	23.0	0.0
100	QPSK	1	271	21.84	21.92	21.86		
100	QPSK	135	0	20.01	21.06	20.90	22.0	1.0
100	QPSK	135	69	21.94	22.02	21.99	23.0	0.0
100	QPSK	135	138	20.86	20.89	20.78	22.0	1.0
100	QPSK	270	0	20.78	20.95	20.87		
100	16QAM	1	1	20.81	20.96	20.80	22.0	1.0
100	64QAM	1	1	19.19	19.32	19.28	20.5	2.5
100	256QAM	1	1	17.45	17.52	17.41	18.5	4.5
Channel				515500	518598	529596		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.93	22.04	21.99	23.0	0.0
Channel				507294	518598	529598		
Frequency (MHz)				2538.92	2592.99	2648.99		
80	QPSK	1	1	21.95	21.95	21.90	23.0	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.89	22.00	21.90	23.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2528	2592.99	2659.98		
60	QPSK	1	1	21.86	22.00	21.93	23.0	0.0
Channel				505294	518598	532996		
Frequency (MHz)				2521.92	2592.99	2664.99		
50	QPSK	1	1	21.88	21.98	21.98	23.0	0.0
Channel				503292	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.92	21.97	21.89	23.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.95	22.01	21.92	23.0	0.0
Channel				501294	518598	535996		
Frequency (MHz)				2506.92	2592.99	2679.99		
20	QPSK	1	1	21.87	21.92	21.92	23.0	0.0



n41 PC2 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	526900		
Frequency (MHz)				2544.01	2592.99	2540		
100	PI2 BPSK	1	1	25.17	25.21	25.09		
100	PI2 BPSK	1	137	25.07	25.17	25.04	26.0	0.0
100	PI2 BPSK	1	271	25.00	25.11	25.02		
100	PI2 BPSK	135	0	24.90	25.02	24.95	26.0	0.0
100	PI2 BPSK	135	69	25.03	25.14	25.08	26.0	0.0
100	PI2 BPSK	135	138	24.97	25.07	24.95	26.0	0.0
100	PI2 BPSK	270	0	25.03	25.11	25.00		
100	QPSK	1	1	25.25	25.28	25.16		
100	QPSK	1	137	25.16	25.20	25.08	26.0	0.0
100	QPSK	1	271	25.09	25.15	25.07		
100	QPSK	135	0	24.83	24.88	24.81	25.5	0.5
100	QPSK	135	69	25.21	25.23	25.12	26.0	0.0
100	QPSK	135	138	24.80	24.71	24.56	25.5	0.5
100	QPSK	270	0	24.84	24.80	24.59		
100	16QAM	1	1	24.47	24.61	24.50	25.5	0.5
100	64QAM	1	1	22.93	23.04	22.91	24.0	2.0
100	256QAM	1	1	20.92	21.04	20.90	22.0	4.0
Channel				510200	519598	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.14	25.15	25.03	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2644.99		
80	QPSK	1	1	25.18	25.14	25.05	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2595		
70	QPSK	1	1	25.21	25.13	25.03	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2458	2592.99	2659.98		
60	QPSK	1	1	25.22	25.22	25.02	26.0	0.0
Channel				510204	519598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.17	25.17	25.10	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2592		
40	QPSK	1	1	25.15	25.25	25.03	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.20	25.14	25.01	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	25.16	25.21	25.01	26.0	0.0

n48 Part96 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	23.65	23.66	23.63		
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0
40	PI2 BPSK	1	104	23.49	23.62	23.45		
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5
40	PI2 BPSK	50	26	23.53	23.67	23.56	24.0	0.0
40	PI2 BPSK	50	55	23.14	23.18	23.14	23.5	0.5
40	PI2 BPSK	100	0	23.14	23.22	23.22		
40	QPSK	1	1	23.65	23.73	23.56		
40	QPSK	1	53	23.54	23.62	23.60	24.0	0.0
40	QPSK	1	104	23.41	23.62	23.51		
40	QPSK	50	0	22.85	22.82	22.64	23.0	1.0
40	QPSK	50	28	23.80	23.70	23.47	24.0	0.0
40	QPSK	50	56	22.57	22.69	22.64	23.0	1.0
40	QPSK	100	0	22.63	22.62	22.71		
40	16QAM	1	1	22.56	22.67	22.58	23.0	1.0
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5
40	256QAM	1	1	19.17	19.35	19.25	19.5	4.5
Channel				637000	641666	646332		
Frequency (MHz)				3665.02	3634.99	3684.99		
30	QPSK	1	1	23.16	23.22	23.03	24.0	0.0
Channel				637304	641666	646000		
Frequency (MHz)				3662.01	3624.99	3660		
20	QPSK	1	1	23.16	23.19	23.05	24.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	23.16	23.20	23.05	24.0	0.0



Part270 n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000		
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				647151	650000	656669		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	656334		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				647000	650000	656000		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

Part270 n77 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.84	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.83	25.70	25.86	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650334		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	654000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				647151	650000	656669		
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	656334		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				647000	650000	656000		
10	QPSK	1	1	25.80	25.87	25.72	27.0	0.0

Part270Q n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	Pl2 BPSK	1	1			22.41		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			22.88	23.5	0.5
100	Pl2 BPSK	135	69			23.08	24.0	0.0
100	Pl2 BPSK	135	138			22.81	23.5	0.5
100	Pl2 BPSK	270	0			22.74		
100	QPSK	1	1			23.45		
100	QPSK	1	137			23.30	24.0	0.0
100	QPSK	1	271			23.35		
100	QPSK	135	0			23.43	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.56	23.0	1.0
100	QPSK	270	0			22.53		
100	16QAM	1	1			22.15	21.5	2.5
100	64QAM	1	1			20.84	19.5	4.5
100	256QAM	1	1			18.96	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.29	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.01		
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



Part27Q n77 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.54			
100	PI2 BPSK	1	271		20.32		27.0	0.0
100	PI2 BPSK	135	0		20.51			
100	PI2 BPSK	135	69		20.34		27.0	0.0
100	PI2 BPSK	135	138		20.44		27.0	0.0
100	PI2 BPSK	270	0		20.18		27.0	0.0
100	PI2 BPSK	270	0		20.27			
100	QPSK	1	1		20.00			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.30		27.0	0.0
100	QPSK	135	0		20.58		26.5	0.5
100	QPSK	135	69		20.42		27.0	0.0
100	QPSK	135	138		20.50		26.5	0.5
100	QPSK	270	0		20.15		27.0	0.0
100	16QAM	1	1		20.02		26.5	0.5
100	64QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
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	20.47	20.46	20.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.48	20.58	20.53	27.0	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	20.50	20.51	20.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.47	20.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631803	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.45	20.43	27.0	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	20.54	20.51	20.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.56	20.52	20.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.58	20.57	20.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	633100	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.57	20.58	20.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	20.50	20.45	20.55	27.0	0.0



Part270 n78 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		22.90		24.0	0.0
100	PI2 BPSK	1	271		22.85			
100	PI2 BPSK	1	271		22.81			
100	PI2 BPSK	135	0		22.33		23.5	0.5
100	PI2 BPSK	135	69		22.86		24.0	0.0
100	PI2 BPSK	135	138		22.32		23.5	0.5
100	PI2 BPSK	270	0		22.40			
100	QPSK	1	1		22.91		24.0	0.0
100	QPSK	1	137		22.82			
100	QPSK	1	271		22.72			
100	QPSK	135	0		22.05		23.0	1.0
100	QPSK	135	69		22.82		24.0	0.0
100	QPSK	135	138		21.90		23.0	1.0
100	QPSK	270	0		21.93			
100	16QAM	1	1		21.71		21.5	2.5
100	64QAM	1	1		20.36		19.5	4.5
100	256QAM	1	1		18.03		17.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64098	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.88	22.85	22.86	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64968	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.87	22.78	22.86	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64968	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.77	22.77	22.87	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.84	22.80	22.77	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3785.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65166	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.80	22.84	22.85	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.90	22.75	22.86	24.0	0.0

Part270 n78 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		25.90		27.0	0.0
100	PI2 BPSK	1	271		25.74			
100	PI2 BPSK	1	271		25.70			
100	PI2 BPSK	135	0		25.79		27.0	0.0
100	PI2 BPSK	135	69		25.87		27.0	0.0
100	PI2 BPSK	135	138		25.75		27.0	0.0
100	PI2 BPSK	270	0		25.78			
100	QPSK	1	1		25.94		27.0	0.0
100	QPSK	1	137		25.86			
100	QPSK	1	271		25.89			
100	QPSK	135	0		25.64		26.5	0.5
100	QPSK	135	69		25.88		27.0	0.0
100	QPSK	135	138		25.40		26.5	0.5
100	QPSK	270	0		25.92			
100	16QAM	1	1		25.40		25.0	0.5
100	64QAM	1	1		23.91		23.0	2.0
100	256QAM	1	1		22.07		22.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.91	25.90	25.91	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64968	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.85	25.80	25.78	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64900	65000	65000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.80	25.80	25.79	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3715.02	3750	3785.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	64734	65000	65166	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.81	25.80	25.80	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3750	3790.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.77	25.91	25.88	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.83	25.87	25.87	27.0	0.0

Part270 n78 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3500.01				
100	PI2 BPSK	1	137		23.30		24.0	0.0
100	PI2 BPSK	1	271		23.29			
100	PI2 BPSK	1	271		23.46			
100	PI2 BPSK	135	0		23.09		23.5	0.5
100	PI2 BPSK	135	69		23.33		24.0	0.0
100	PI2 BPSK	135	138		22.99		23.5	0.5
100	PI2 BPSK	270	0		23.12			
100	QPSK	1	1		23.41		24.0	0.0
100	QPSK	1	137		23.19			
100	QPSK	1	271		23.35			
100	QPSK	135	0		22.71		23.0	1.0
100	QPSK	135	69		23.40		24.0	0.0
100	QPSK	135	138		22.81		23.0	1.0
100	QPSK	270	0		22.96			
100	16QAM	1	1		22.37		21.5	2.5
100	64QAM	1	1		21.25		19.5	4.5
100	256QAM	1	1		18.31		17.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63068	63334	63400	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.28	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3485.01	3500.01	3515.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63000	63334	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.32	23.34	23.38	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63166	63334	63300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.35	23.33	23.32	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63334	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.27	23.26	23.39	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3475.02	3500.01	3525.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.33	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63000	63334	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	3465.02	3500.01	3525.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63334	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.25	23.25	23.25	24.0	0.0



Part27Q n78 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel					3000.01			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.43				
100	PI2 BPSK	1	137	28.12			27.0	0.0
100	PI2 BPSK	1	271	28.39				
100	PI2 BPSK	135	0	28.23			27.0	0.0
100	PI2 BPSK	135	69	28.60			27.0	0.0
100	PI2 BPSK	135	138	28.12			27.0	0.0
100	PI2 BPSK	270	0	25.98				
100	QPSK	1	1	28.51				
100	QPSK	1	137	28.27			27.0	0.0
100	QPSK	1	271	28.40				
100	QPSK	135	0	25.81			26.5	0.5
100	QPSK	135	69	28.30			27.0	0.0
100	QPSK	135	138	28.89			26.5	0.5
100	QPSK	270	0	25.55				
100	16QAM	1	1	25.76			26.5	0.5
100	64QAM	1	1	24.17			25.0	2.0
100	256QAM	1	1	22.12			23.0	4.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	28.47	28.36	28.41	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3500.01	3520		
80	QPSK	1	1	28.41	28.40	28.45	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	28.47	28.47	28.37	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	28.35	28.37	28.47	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	28.49	28.48	28.48	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3520.01	3528.01		
40	QPSK	1	1	28.41	28.43	28.47	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	28.38	28.47	28.42	27.0	0.0
Channel				630568	633334	635900		
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	28.47	28.44	28.41	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475.01	3500.01	3542.02		
15	QPSK	1	1	28.45	28.49	28.47	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3500.01	3543.01		
10	QPSK	1	1	28.36	28.47	28.43	27.0	0.0



n2 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1690			
20	PI2 BPSK	1	1	21.50	21.62	21.58			
20	PI2 BPSK	1	53	21.45	21.58	21.44	23.0	0.0	
20	PI2 BPSK	1	104	21.46	21.50	21.35			
20	PI2 BPSK	50	0	21.40	21.44	21.31	23.0	0.0	
20	PI2 BPSK	50	28	21.42	21.54	21.42	23.0	0.0	
20	PI2 BPSK	50	56	21.44	21.49	21.44	23.0	0.0	
20	PI2 BPSK	100	0	21.46	21.51	21.39			
20	QPSK	1	1	21.54	21.66	21.57			
20	QPSK	1	53	21.61	21.64	21.54	23.0	0.0	
20	QPSK	1	104	21.68	21.55	21.43			
20	QPSK	50	0	21.50	21.59	21.46	23.0	0.0	
20	QPSK	50	28	21.51	21.61	21.49	23.0	0.0	
20	QPSK	50	56	21.39	21.52	21.49	23.0	0.0	
20	QPSK	100	0	21.46	21.55	21.44			
20	16QAM	1	1	21.33	21.46	21.32	23.0	0.0	
20	64QAM	1	1	20.83	20.70	20.57	22.0	1.0	
20	256QAM	1	1	18.54	18.01	18.48	23.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.49	21.61	21.51	23.0	0.0	
Channel									
Frequency (MHz)				3700	3760	3810			
10	QPSK	1	1	21.40	21.60	21.53	23.0	0.0	
Channel									
Frequency (MHz)				3700	3760	3810			
5	QPSK	1	1	21.43	21.58	21.54	23.0	0.0	

n5 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				16680	16790	16760			
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38			
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51			
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	23.0	1.0	
Channel									
Frequency (MHz)				16300	16300	16300			
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
Frequency (MHz)				16580	16790	16800			
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
Frequency (MHz)				16680	16790	16800			
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DSI6_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				50600	50700	51000			
40	PI2 BPSK	1	1	20.32	20.48	20.36			
40	PI2 BPSK	1	108	20.39	20.44	20.33	21.6	0.0	
40	PI2 BPSK	1	214	20.22	20.38	20.21			
40	PI2 BPSK	108	0	20.33	20.38	20.34	21.6	0.0	
40	PI2 BPSK	108	54	20.36	20.53	20.38	21.6	0.0	
40	PI2 BPSK	108	108	20.47	20.53	20.51	21.6	0.0	
40	PI2 BPSK	216	0	20.39	20.49	20.33			
40	QPSK	1	1	20.40	20.55	20.45			
40	QPSK	1	108	20.36	20.47	20.36	21.6	0.0	
40	QPSK	1	214	20.27	20.42	20.28			
40	QPSK	108	0	20.28	20.42	20.36	21.6	0.0	
40	QPSK	108	54	20.39	20.51	20.47	21.6	0.0	
40	QPSK	108	108	20.32	20.42	20.38	21.6	0.0	
40	QPSK	216	0	20.32	20.43	20.29			
40	16QAM	1	1	20.34	20.40	20.30	21.6	0.0	
40	64QAM	1	1	20.32	20.42	20.34	21.6	0.0	
40	256QAM	1	1	18.89	18.96	18.91	20.0	1.0	
Channel									
Frequency (MHz)				50500	50700	51000			
30	QPSK	1	1	20.29	20.53	20.42	21.6	0.0	
Channel									
Frequency (MHz)				50250	50700	51000			
25	QPSK	1	1	20.27	20.39	20.31	21.6	0.0	
Channel									
Frequency (MHz)				50200	50700	51000			
20	PI2 BPSK	1	1	20.10	20.35	20.00			
Channel									
Frequency (MHz)				50100	50700	51000			
15	QPSK	1	1	20.33	20.50	20.33	21.6	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	20.25	20.49	20.28	21.6	0.0	
Channel									
Frequency (MHz)				50000	50700	51000			
5	QPSK	1	1	20.38	20.50	20.37	21.6	0.0	



n25 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	21.48	21.53	21.44			
40	PI/2 BPSK	1	108	21.32	21.41	21.36	23.0	0.0	
40	PI/2 BPSK	1	214	21.32	21.43	21.34			
40	PI/2 BPSK	108	0	21.42	21.52	21.45	23.0	0.0	
40	PI/2 BPSK	108	54	21.39	21.46	21.43	23.0	0.0	
40	PI/2 BPSK	108	108	21.36	21.45	21.39	23.0	0.0	
40	PI/2 BPSK	216	0	21.33	21.41	21.28			
40	QPSK	1	1	21.62	21.66	21.57			
40	QPSK	1	108	21.43	21.54	21.49	23.0	0.0	
40	QPSK	1	214	21.41	21.48	21.40			
40	QPSK	108	0	21.48	21.55	21.47	23.0	0.0	
40	QPSK	108	54	21.53	21.58	21.48	23.0	0.0	
40	QPSK	108	108	21.38	21.46	21.39	23.0	0.0	
40	QPSK	216	0	21.47	21.51	21.43			
40	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
40	64QAM	1	1	20.43	20.47	20.35	22.0	1.0	
40	256QAM	1	1	18.58	18.07	18.88	23.0	3.0	
Channel									
Frequency (MHz)				1885	1892.5	1900	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.50	21.52	21.45	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.55	21.61	21.47	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.53	21.58	21.44	23.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.56	21.62	21.49	23.0	0.0	
Channel									
Frequency (MHz)				1885	1892.5	1910	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.55	21.57	21.53	23.0	0.0	
Channel									
Frequency (MHz)				370500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.48	21.56	21.52	23.0	0.0	

n30 DSI6_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					2310				
10	PI/2 BPSK	1	1		19.84				
10	PI/2 BPSK	1	26		19.79		20.9	0.0	
10	PI/2 BPSK	1	50		19.81				
10	PI/2 BPSK	25	0		19.79		20.9	0.0	
10	PI/2 BPSK	25	14		19.84		20.9	0.0	
10	PI/2 BPSK	25	27		19.80		20.9	0.0	
10	PI/2 BPSK	50	0		19.85				
10	QPSK	1	1		19.96				
10	QPSK	1	26		19.84		20.9	0.0	
10	QPSK	1	50		19.84				
10	QPSK	25	0		19.84		20.9	0.0	
10	QPSK	25	14		19.94		20.9	0.0	
10	QPSK	25	27		19.93		20.9	0.0	
10	QPSK	50	0		19.76				
10	16QAM	1	1		19.80		20.9	0.0	
10	64QAM	1	1		19.88		20.9	0.0	
10	256QAM	1	1		18.41		23.0	3.0	
Channel									
Frequency (MHz)				461900	462000	462500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1		19.81	19.88	19.76	20.9	0.0

n66 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.01	22.11	22.07			
40	PI/2 BPSK	1	108	21.97	22.07	21.94	23.0	0.0	
40	PI/2 BPSK	1	214	21.90	21.96	21.82			
40	PI/2 BPSK	108	0	21.77	21.90	21.86	23.0	0.0	
40	PI/2 BPSK	108	54	21.94	22.05	22.01	23.0	0.0	
40	PI/2 BPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	PI/2 BPSK	216	0	21.84	21.95	21.83			
40	QPSK	1	1	22.06	22.18	22.01			
40	QPSK	1	108	22.05	22.12	22.06	23.0	0.0	
40	QPSK	1	214	22.02	22.07	22.00			
40	QPSK	108	0	21.81	21.93	21.83	23.0	0.0	
40	QPSK	108	54	21.95	21.99	21.86	23.0	0.0	
40	QPSK	108	108	21.87	21.93	21.80	23.0	0.0	
40	QPSK	216	0	21.92	21.98	21.82			
40	16QAM	1	1	21.88	21.91	21.78	22.0	0.0	
40	64QAM	1	1	20.61	20.73	20.66	22.0	1.0	
40	256QAM	1	1	18.34	18.49	18.38	23.0	3.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.96	22.14	21.87	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.99	22.10	21.90	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.00	22.05	21.93	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.96	22.07	21.86	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	355500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.01	22.04	21.91	23.0	0.0	



n70 Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. J. Freq.	Power Middle Ch. J. Freq.	Power High Ch. J. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		22.08			
15	PI/2 BPSK	1	40		21.95		23.0	0.0
15	PI/2 BPSK	1	77		21.40			
15	PI/2 BPSK	36	0		22.03		22.5	0.5
15	PI/2 BPSK	36	22		22.06		23.0	0.0
15	PI/2 BPSK	36	43		21.38			
15	PI/2 BPSK	75	0		21.45		22.5	0.5
15	QPSK	1	1		22.11			
15	QPSK	1	40		22.06		23.0	0.0
15	QPSK	1	77		22.07			
15	QPSK	36	0		21.06		22.0	1.0
15	QPSK	36	22		22.07		23.0	0.0
15	QPSK	36	43		20.96		22.0	1.0
15	QPSK	75	0		21.14			
15	16QAM	1	1		21.18		22.0	1.0
15	64QAM	1	1		19.76		20.5	2.5
15	256QAM	1	1		17.67		18.5	4.5
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	21.98	22.04	21.97	23.0	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 DSI6_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517052	519000	520998		
Frequency (MHz)				2535.01	2595	2604.99		
30	PI2 BPSK	1	1	18.06	18.10	18.07		
30	PI2 BPSK	1	1	18.97	19.09	19.06	20.0	0.0
30	PI2 BPSK	1	76	18.98	19.08	18.97		
30	PI2 BPSK	36	0	18.92	18.05	19.00	20.0	0.0
30	PI2 BPSK	36	21	18.97	19.02	18.89	20.0	0.0
30	PI2 BPSK	36	42	18.93	18.98	18.90		
30	PI2 BPSK	75	0	18.93	19.00	18.83	20.0	0.0
30	QPSK	1	1	18.98	19.14	19.01		
30	QPSK	1	40	18.05	18.04	18.90	20.0	0.0
30	QPSK	1	76	18.99	19.05	18.93		
30	QPSK	36	0	18.96	19.00	18.93	20.0	0.0
30	QPSK	36	21	18.99	19.09	19.03	20.0	0.0
30	QPSK	36	42	18.97	19.08	18.95	20.0	0.0
30	QPSK	75	0	18.96	19.00	18.97		
30	16QAM	1	1	18.98	19.06	18.93	20.0	0.0
30	64QAM	1	1	18.91	18.95	18.88	20.0	0.0
30	256QAM	1	1	18.44	18.52	18.41	18.5	0.5
Channel				515004	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.92	19.00	18.98	20.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2558	2595	2613		
20	QPSK	1	1	18.85	19.07	18.97	20.0	0.0
Channel				515002	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.94	18.86	18.83	20.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2576.02	2595	2614.98		
10	QPSK	1	1	18.90	19.10	18.96	20.0	0.0

n41 DSI6_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				509002	518998	520998		
Frequency (MHz)				2540.01	2592.99	2540		
100	PI2 BPSK	1	1	19.00	19.13	19.04		
100	PI2 BPSK	1	137	18.93	19.00	18.99	20.0	0.0
100	PI2 BPSK	1	271	19.03	19.16	19.13		
100	PI2 BPSK	135	0	19.04	19.12	19.04	20.0	0.0
100	PI2 BPSK	135	69	18.97	19.13	19.05	20.0	0.0
100	PI2 BPSK	135	138	18.97	19.08	18.97		
100	PI2 BPSK	270	0	18.98	19.11	19.03	20.0	0.0
100	QPSK	1	1	19.03	19.20	19.14		
100	QPSK	1	137	19.15	19.17	19.08	20.0	0.0
100	QPSK	1	271	18.94	19.09	18.95		
100	QPSK	135	0	18.98	19.05	18.98	20.0	0.0
100	QPSK	135	69	19.08	19.13	19.02	20.0	0.0
100	QPSK	135	138	18.97	19.04	19.00	20.0	0.0
100	QPSK	270	0	19.01	19.17	19.05		
100	16QAM	1	1	18.97	19.12	19.05	20.0	0.0
100	64QAM	1	1	18.97	19.09	19.04	20.0	0.0
100	256QAM	1	1	17.57	17.70	17.55	18.5	1.5
Channel				515000	518998	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.89	19.14	18.98	20.0	0.0
Channel				507004	518998	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	19.00	19.15	19.00	20.0	0.0
Channel				506002	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2692.99	2663		
70	QPSK	1	1	18.97	19.07	19.07	20.0	0.0
Channel				505000	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2692.99	2699.98		
60	QPSK	1	1	18.96	19.06	19.00	20.0	0.0
Channel				504004	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2692.99	2694.99		
50	QPSK	1	1	18.97	19.10	19.02	20.0	0.0
Channel				503002	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616.01	2692.99	2690		
40	QPSK	1	1	18.88	19.08	19.02	20.0	0.0
Channel				502000	518998	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2692.99	2674.98		
30	QPSK	1	1	18.87	19.13	19.03	20.0	0.0
Channel				501004	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	18.94	19.07	19.04	20.0	0.0



n41 PC2 DSI6_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	529000		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	21.83	21.92	21.88		
100	PI2 BPSK	1	137	21.86	21.93	21.90	23.0	0.0
100	PI2 BPSK	1	271	21.70	21.88	21.72		
100	PI2 BPSK	135	0	21.81	21.84	21.81	23.0	0.0
100	PI2 BPSK	135	69	21.84	21.87	21.74	23.0	0.0
100	PI2 BPSK	135	138	21.80	21.87	21.70	23.0	0.0
100	PI2 BPSK	270	0	21.88	21.97	21.84		
100	QPSK	1	1	21.84	22.01	21.88		
100	QPSK	1	137	21.82	21.86	21.81	23.0	0.0
100	QPSK	1	271	21.78	21.92	21.76		
100	QPSK	135	0	21.72	21.87	21.74	23.0	0.0
100	QPSK	135	69	21.81	21.97	21.84	23.0	0.0
100	QPSK	135	138	21.68	21.84	21.70	23.0	0.0
100	QPSK	270	0	21.83	21.89	21.84		
100	16QAM	1	1	21.91	21.97	21.92	23.0	0.0
100	64QAM	1	1	21.68	21.85	21.71	23.0	0.0
100	256QAM	1	1	21.17	21.22	21.16	22.0	1.0
Channel				516000	518598	529000		
Frequency (MHz)				2544	2592.99	2644.98		
90	QPSK	1	1	21.86	21.92	21.73	23.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2649.99		
80	QPSK	1	1	21.87	21.88	21.78	23.0	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2531.01	2592.99	2695		
70	QPSK	1	1	21.73	21.91	21.83	23.0	0.0
Channel				505000	518598	531998		
Frequency (MHz)				2428	2592.99	2699.98		
60	QPSK	1	1	21.90	21.86	21.78	23.0	0.0
Channel				510004	518598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.84	21.84	21.85	23.0	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2416.01	2592.99	2690		
40	QPSK	1	1	21.79	21.90	21.80	23.0	0.0
Channel				502000	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.88	21.83	21.81	23.0	0.0
Channel				501004	518598	535998		
Frequency (MHz)				2606.02	2592.99	2679.99		
20	QPSK	1	1	21.78	21.96	21.81	23.0	0.0

n48 Part96 DSI6_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	20.99	20.84	20.63		
40	PI2 BPSK	1	53	20.83	20.75	20.62	22.1	0.0
40	PI2 BPSK	1	104	20.75	20.84	20.67		
40	PI2 BPSK	50	0	20.60	20.70	20.65	22.1	0.0
40	PI2 BPSK	50	26	20.99	20.79	20.71	22.1	0.0
40	PI2 BPSK	50	56	20.55	20.79	20.68		
40	PI2 BPSK	100	0	20.75	20.73	20.68	22.1	0.0
40	QPSK	1	1	20.69	20.97	20.77		
40	QPSK	1	53	20.99	20.70	20.64	22.1	0.0
40	QPSK	1	104	20.84	20.68	20.60		
40	QPSK	50	0	20.61	20.69	20.66	22.1	0.0
40	QPSK	50	28	20.72	20.91	20.61	22.1	0.0
40	QPSK	50	56	20.51	20.73	20.51	22.1	0.0
40	QPSK	100	0	20.65	20.85	20.70		
40	16QAM	1	1	20.49	20.65	20.73	22.1	0.6
40	64QAM	1	1	20.86	20.90	20.76	22.1	0.6
40	256QAM	1	1	19.16	19.24	19.20	19.5	2.0
Channel				637000	641666	646000		
Frequency (MHz)				3665.02	3694.99	3684.99		
30	QPSK	1	1	20.64	20.94	20.72	22.1	0.0
Channel				637000	641666	646000		
Frequency (MHz)				3662.01	3624.99	3660		
20	QPSK	1	1	20.65	20.89	20.74	22.1	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	20.62	20.69	20.71	22.1	0.0



Part270 n77 DS16_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.07	19.18	19.13		
100	PI2 BPSK	1	137	18.90	19.05	18.96	20.6	0.0
100	PI2 BPSK	1	271	18.94	19.05	18.97		
100	PI2 BPSK	135	0	19.16	19.20	19.17	20.6	0.0
100	PI2 BPSK	135	69	18.13	19.17	18.12	20.6	0.0
100	PI2 BPSK	135	138	18.93	19.06	18.99	20.6	0.0
100	PI2 BPSK	270	0	19.07	19.11	19.09	20.6	0.0
100	QPSK	1	1	19.07	19.22	19.17		
100	QPSK	1	137	18.94	19.10	18.96	20.6	0.0
100	QPSK	1	271	19.06	19.11	18.95		
100	QPSK	135	0	18.93	19.06	18.99	20.6	0.0
100	QPSK	135	69	18.96	19.13	19.04	20.6	0.0
100	QPSK	135	138	18.98	19.12	18.96	20.6	0.0
100	QPSK	270	0	19.10	19.12	19.04	20.6	0.0
100	16QAM	1	1	18.97	19.12	18.99	20.6	0.0
100	64QAM	1	1	18.99	19.05	19.01	20.6	0.0
100	256QAM	1	1	19.02	19.07	19.02	19.5	1.1
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.99	18.99	19.05	20.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.99	18.97	19.02	20.6	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.99	18.99	19.03	20.6	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.92	18.99	19.04	20.6	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.88	18.98	19.01	20.6	0.0
Channel								
Frequency (MHz)				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.97	18.97	19.06	20.6	0.0
Channel								
Frequency (MHz)				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.96	18.92	19.02	20.6	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.88	18.98	19.06	20.6	0.0
Channel								
Frequency (MHz)				647160	650000	654334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.90	19.00	19.03	20.6	0.0
Channel								
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.97	18.99	19.05	20.6	0.0

Part270 n77 PC2 DS16_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.15	22.22	22.08		
100	PI2 BPSK	1	137	22.06	22.18	22.16	23.6	0.0
100	PI2 BPSK	1	271	22.18	22.23	22.15		
100	PI2 BPSK	135	0	22.02	22.17	22.08	23.6	0.0
100	PI2 BPSK	135	69	22.06	22.19	22.10	23.6	0.0
100	PI2 BPSK	135	138	22.17	22.26	22.20	23.6	0.0
100	PI2 BPSK	270	0	22.08	22.14	22.06	23.6	0.0
100	QPSK	1	1	22.16	22.31	22.21		
100	QPSK	1	137	22.14	22.26	22.11	23.6	0.0
100	QPSK	1	271	21.98	22.14	22.00		
100	QPSK	135	0	22.11	22.15	22.05	23.6	0.0
100	QPSK	135	69	22.15	22.25	22.13	23.6	0.0
100	QPSK	135	138	22.06	22.12	22.04	23.6	0.0
100	QPSK	270	0	22.05	22.20	22.17	23.6	0.0
100	16QAM	1	1	22.09	22.17	22.03	23.6	0.0
100	64QAM	1	1	22.04	22.09	21.99	23.6	0.0
100	256QAM	1	1	22.01	22.06	21.98	23.0	0.8
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.09	22.28	22.13	23.6	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.10	22.28	22.16	23.6	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.11	22.23	22.11	23.6	0.0
Channel								
Frequency (MHz)				3730	3840	3945	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.11	22.23	22.11	23.6	0.0
Channel								
Frequency (MHz)				649000	650000	653334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.07	22.25	22.18	23.6	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.09	22.21	22.13	23.6	0.0
Channel								
Frequency (MHz)				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.12	22.25	22.15	23.6	0.0
Channel								
Frequency (MHz)				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.13	22.28	22.18	23.6	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.13	22.24	22.15	23.6	0.0
Channel								
Frequency (MHz)				647160	650000	654334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.12	22.28	22.19	23.6	0.0
Channel								
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.12	22.27	22.16	23.6	0.0

Part27Q n77 DS16_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			19.47		
100	PI2 BPSK	1	137			19.44	20.6	0.0
100	PI2 BPSK	1	271			19.38		
100	PI2 BPSK	135	0			19.39	20.6	0.0
100	PI2 BPSK	135	69			19.39	20.6	0.0
100	PI2 BPSK	135	138			19.35	20.6	0.0
100	PI2 BPSK	270	0			19.49	20.6	0.0
100	QPSK	1	1			19.51		
100	QPSK	1	137			19.45	20.6	0.0
100	QPSK	1	271			19.44		
100	QPSK	135	0			19.40	20.6	0.0
100	QPSK	135	69			19.49	20.6	0.0
100	QPSK	135	138			19.37	20.6	0.0
100	QPSK	270	0			19.48	20.6	0.0
100	16QAM	1	1			19.40	20.6	0.0
100	64QAM	1	1			19.33	20.6	0.0
100	256QAM	1	1			19.26	19.8	1.1
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.38	19.28	19.34	20.6	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.43	19.30	19.36	20.6	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.43	19.31	19.37	20.6	0.0
Channel								
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.43	19.33	19.32	20.6	0.0
Channel								
Frequency (MHz)				631668	633334	633000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.41	19.32	19.33	20.6	0.0
Channel								
Frequency (MHz)				631334	633334	633534	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.42	19.29	19.37	20.6	0.0
Channel								
Frequency (MHz)				631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.40	19.31	19.37	20.6	0.0
Channel								
Frequency (MHz)				3495.02	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.39	19.33	19.37	20.6	0.0
Channel								
Frequency (MHz)				630000	633334	633668	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.44	19.31	19.34	20.6	0.0
Channel								
Frequency (MHz)				630334	633334	633534	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.37	19.29	19.37	20.6	0.0



Part27Q n77 PC2 DSI6_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		22.28			
100	PI2 BPSK	1	271		22.41		23.6	0.0
100	PI2 BPSK	135	0		22.35			
100	PI2 BPSK	135	69		22.26		23.6	0.0
100	PI2 BPSK	135	138		22.29		23.6	0.0
100	PI2 BPSK	270	0		22.35		23.6	0.0
100	PI2 BPSK	270	0		22.26			
100	QPSK	1	1		22.42			
100	QPSK	1	137		22.46		23.6	0.0
100	QPSK	1	271		22.33			
100	QPSK	135	0		22.30		23.6	0.0
100	QPSK	135	69		22.36		23.6	0.0
100	QPSK	135	138		22.28		23.6	0.0
100	QPSK	270	0		22.40		23.6	0.0
100	16QAM	1	1		22.27		23.6	0.0
100	64QAM	1	1		22.27		23.6	0.0
100	256QAM	1	1		22.21		23.0	0.6
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				22.18	22.24	22.24	23.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				22.20	22.27	22.20	23.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				22.24	22.29	22.24	23.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				22.22	22.30	22.21	23.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				22.24	22.28	22.23	23.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3528.01		
				22.22	22.29	22.22	23.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				22.21	22.31	22.23	23.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				22.26	22.23	22.21	23.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630350	633334	636350	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				22.21	22.28	22.19	23.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
				22.25	22.24	22.22	23.6	0.0



Part270 n78 DSI6_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		18.67			
100	PI2 BPSK	1	271		18.67		20.6	0.0
100	PI2 BPSK	135	0		18.72		20.6	0.0
100	PI2 BPSK	135	69		18.66		20.6	0.0
100	PI2 BPSK	135	138		18.66		20.6	0.0
100	PI2 BPSK	270	0		18.70		20.6	0.0
100	QPSK	1	1		18.75			
100	QPSK	1	137		18.64		20.6	0.0
100	QPSK	1	271		18.64		20.6	0.0
100	QPSK	135	0		18.62		20.6	0.0
100	QPSK	135	69		18.68		20.6	0.0
100	QPSK	135	138		18.66		20.6	0.0
100	QPSK	270	0		18.65		20.6	0.0
100	16QAM	1	1		18.61		20.6	0.0
100	64QAM	1	1		18.64		20.6	0.0
100	256QAM	1	1		18.51		19.5	1.1
Channel								
Frequency (MHz)								
90	QPSK	1	1	64988	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.73	18.64	18.65	20.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3770.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.71	18.64	18.68	20.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.65	18.67	18.65	20.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR

Part270 n78 PC2 DSI6_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		21.61			
100	PI2 BPSK	1	271		21.68		23.6	0.0
100	PI2 BPSK	135	0		21.67		23.6	0.0
100	PI2 BPSK	135	69		21.69		23.6	0.0
100	PI2 BPSK	135	138		21.64		23.6	0.0
100	PI2 BPSK	270	0		21.73		23.6	0.0
100	QPSK	1	1		21.77			
100	QPSK	1	137		21.69		23.6	0.0
100	QPSK	1	271		21.69		23.6	0.0
100	QPSK	135	0		21.68		23.6	0.0
100	QPSK	135	69		21.70		23.6	0.0
100	QPSK	135	138		21.67		23.6	0.0
100	QPSK	270	0		21.64		23.6	0.0
100	16QAM	1	1		21.70		23.6	0.0
100	64QAM	1	1		21.69		23.6	0.0
100	256QAM	1	1		21.68		23.0	0.8
Channel								
Frequency (MHz)								
90	QPSK	1	1	64988	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.67	21.68	21.61	23.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64934	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3740.01	3750	3760.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.66	21.66	21.67	23.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3735	3750	3765	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.66	21.65	21.65	23.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3725.01	3750	3775.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.67	21.62	21.64	23.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR

Part27Q n78 DSI6_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3500.01				
100	PI2 BPSK	1	137		18.69			
100	PI2 BPSK	1	271		18.71		20.6	0.0
100	PI2 BPSK	135	0		18.67		20.6	0.0
100	PI2 BPSK	135	69		18.66		20.6	0.0
100	PI2 BPSK	135	138		18.66		20.6	0.0
100	PI2 BPSK	270	0		18.69		20.6	0.0
100	QPSK	1	1		18.75			
100	QPSK	1	137		18.64		20.6	0.0
100	QPSK	1	271		18.62		20.6	0.0
100	QPSK	135	0		18.63		20.6	0.0
100	QPSK	135	69		18.70		20.6	0.0
100	QPSK	135	138		18.64		20.6	0.0
100	QPSK	270	0		18.62		20.6	0.0
100	16QAM	1	1		18.61		20.6	0.0
100	64QAM	1	1		18.63		20.6	0.0
100	256QAM	1	1		18.58		19.5	1.1
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63368	63400	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.67	18.64	18.64	20.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63268	63334	63400	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3485.01	3500.01	3515.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.63	18.64	18.64	20.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.65	18.64	18.69	20.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63168	63234	63300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.66	18.65	18.66	20.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63100	63334	63500	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit	MPR



Part27Q n78 PC2 DSI6_ Standalone Ant 2

EW (MHz)	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	21.73	3000.01			
100	PI2 BPSK	1	137	21.73			23.6	0.0
100	PI2 BPSK	1	271	21.71				
100	PI2 BPSK	135	0	21.67			23.6	0.0
100	PI2 BPSK	135	69	21.76			23.6	0.0
100	PI2 BPSK	135	138	21.70			23.6	0.0
100	PI2 BPSK	270	0	21.69				
100	QPSK	1	1	21.84				
100	QPSK	1	137	21.76			23.6	0.0
100	QPSK	1	271	21.74				
100	QPSK	135	0	21.69			23.6	0.0
100	QPSK	135	69	21.80			23.6	0.0
100	QPSK	135	138	21.73			23.6	0.0
100	QPSK	270	0	21.81				
100	16QAM	1	1	21.71			23.6	0.0
100	16QAM	1	1	21.63			23.6	0.0
100	25QAM	1	1	21.60			23.0	0.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3485	3000.01	3505.02		
90	QPSK	1	1	21.74	21.77	21.80	23.6	0.0
Channel								
Frequency (MHz)								
				632068	633334	634600	Tune-up limit (dBm)	MPR (dB)
				3480.02	3000.01	3510		
80	QPSK	1	1	21.78	21.81	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3000.01	3515.01		
70	QPSK	1	1	21.74	21.73	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3000.01	3500.02		
60	QPSK	1	1	21.75	21.80	21.79	23.6	0.0
Channel								
Frequency (MHz)								
				631068	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3000.01	3525		
50	QPSK	1	1	21.77	21.80	21.80	23.6	0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3480.01	3000.01	3528.01		
40	QPSK	1	1	21.78	21.81	21.79	23.6	0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3485	3000.01	3535.02		
30	QPSK	1	1	21.77	21.82	21.80	23.6	0.0
Channel								
Frequency (MHz)								
				630568	633334	635900	Tune-up limit (dBm)	MPR (dB)
				3480.02	3000.01	3540		
20	QPSK	1	1	21.77	21.83	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
				3475.01	3000.01	3542.02		
15	QPSK	1	1	21.77	21.82	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3480.01	3000.01	3543.01		
10	QPSK	1	1	21.73	21.80	21.81	23.6	0.0



n2 Default Ant 3									
BW [MHz]	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)				1800	1800	1800			
20	PI2 BPSK	1	1	23.04	23.07	22.97			
20	PI2 BPSK	1	53	22.98	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	22.87	22.98	22.89			
20	PI2 BPSK	50	0	22.91	22.99	22.93	24.0	0.0	
20	PI2 BPSK	50	28	22.84	22.97	22.91	24.0	0.0	
20	PI2 BPSK	50	56	22.92	22.96	22.87	24.0	0.0	
20	PI2 BPSK	100	0	22.83	22.99	22.94			
20	QPSK	1	1	23.06	23.12	22.99			
20	QPSK	1	53	23.00	23.08	22.98	24.0	0.0	
20	QPSK	1	104	22.99	23.03	22.96			
20	QPSK	50	0	22.84	23.01	22.94	24.0	0.0	
20	QPSK	50	28	23.03	23.08	22.95	24.0	0.0	
20	QPSK	50	56	22.84	22.94	22.85	24.0	0.0	
20	QPSK	100	0	22.92	23.00	22.90			
20	16QAM	1	1	22.85	22.95	22.92	24.0	0.0	
20	64QAM	1	1	21.80	22.01	21.94	23.0	1.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	3.0	
Channel									
Frequency (MHz)				1807.5	1800	1802.5			
15	QPSK	1	1	22.98	23.08	22.88	24.0	0.0	
Channel									
Frequency (MHz)				370000	376000	381000			
10	QPSK	1	1	22.96	23.01	22.84	24.0	0.0	
Channel									
Frequency (MHz)				370000	376000	381500			
5	QPSK	1	1	23.02	23.04	22.88	24.0	0.0	

n7 DSI6_Standalone Ant 3									
BW [MHz]	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)				504000	507000	510000			
40	PI2 BPSK	1	1	22.45	22.48	22.46			
40	PI2 BPSK	1	108	22.19	22.32	22.16	23.5	0.0	
40	PI2 BPSK	1	214	22.39	22.41	22.32			
40	PI2 BPSK	108	0	22.18	22.33	22.22	23.5	0.0	
40	PI2 BPSK	108	54	22.36	22.44	22.33	23.5	0.0	
40	PI2 BPSK	108	108	22.26	22.36	22.20	23.5	0.0	
40	PI2 BPSK	216	0	22.24	22.28	22.11			
40	QPSK	1	1	22.39	22.52	22.47			
40	QPSK	1	108	22.30	22.36	22.21	23.5	0.0	
40	QPSK	1	214	22.30	22.39	22.26			
40	QPSK	108	0	22.25	22.31	22.26	23.5	0.0	
40	QPSK	108	54	22.37	22.46	22.32	23.5	0.0	
40	QPSK	108	108	22.19	22.35	22.21	23.5	0.0	
40	QPSK	216	0	22.26	22.37	22.27			
40	16QAM	1	1	22.16	22.24	22.17	23.5	0.0	
40	64QAM	1	1	22.13	22.23	22.10	23.0	0.5	
40	256QAM	1	1	20.09	20.09	20.02	21.0	2.5	
Channel									
Frequency (MHz)				2915	2935	2955			
30	QPSK	1	1	22.33	22.41	22.40	23.5	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	22.36	22.41	22.35	23.5	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	22.33	22.35	22.31	23.5	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	22.23	22.43	22.31	23.5	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	22.23	22.36	22.32	23.5	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	22.29	22.45	22.43	23.5	0.0	

n25 Default Ant 3									
BW [MHz]	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)				1870	182.5	1895			
40	PI2 BPSK	1	1	23.01	23.06	22.93			
40	PI2 BPSK	1	108	22.84	22.96	22.89	24.0	0.0	
40	PI2 BPSK	1	214	22.93	22.99	22.85			
40	PI2 BPSK	108	0	22.96	23.03	22.87	24.0	0.0	
40	PI2 BPSK	108	54	22.89	22.98	22.84	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.97	22.84	24.0	0.0	
40	PI2 BPSK	216	0	22.85	22.99	22.90			
40	QPSK	1	1	23.07	23.17	22.98			
40	QPSK	1	108	23.03	23.08	22.89	24.0	0.0	
40	QPSK	1	214	23.00	23.02	22.92			
40	QPSK	108	0	22.97	23.05	22.92	24.0	0.0	
40	QPSK	108	54	23.01	23.09	22.96	24.0	0.0	
40	QPSK	108	108	22.90	22.99	22.84	24.0	0.0	
40	QPSK	216	0	22.96	23.03	22.92			
40	16QAM	1	1	23.01	23.08	23.02	24.0	0.0	
40	64QAM	1	1	21.88	21.96	21.91	23.0	1.0	
40	256QAM	1	1	20.42	20.49	20.45	21.0	3.0	
Channel									
Frequency (MHz)				1865	182.5	1900			
30	QPSK	1	1	22.92	23.11	22.86	24.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	22.99	23.05	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	23.03	23.04	22.87	24.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	23.00	23.10	22.86	24.0	0.0	
Channel									
Frequency (MHz)				1865	182.5	1910			
10	QPSK	1	1	22.99	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	23.02	23.06	22.93	24.0	0.0	



n30 Default Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. / 46000	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	23.11	23.10		
10	PI2 BPSK	1	26	23.05			24.0 0.0
10	PI2 BPSK	1	50	23.08			
10	PI2 BPSK	25	0	22.95			24.0 0.0
10	PI2 BPSK	25	14	23.01			24.0 0.0
10	PI2 BPSK	25	27	22.97			
10	PI2 BPSK	50	0	22.99			24.0 0.0
10	QPSK	1	1	23.17			
10	QPSK	1	26	23.09			24.0 0.0
10	QPSK	1	50	23.04			
10	QPSK	25	0	23.02			24.0 0.0
10	QPSK	25	14	23.09			24.0 0.0
10	QPSK	25	27	22.91			24.0 0.0
10	QPSK	50	0	22.95			24.0 0.0
10	16QAM	1	1	22.93			24.0 1.0
10	64QAM	1	1	21.81			23.0 1.0
10	256QAM	1	1	19.89			21.0 3.0
Channel				461500	462000		
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	23.07	23.13	23.03	24.0 0.0

n66 Default Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. / 346000	Power High Ch. / Freq. / 350000	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	23.50	23.53	23.40	
40	PI2 BPSK	1	108	23.24	23.31	23.23	24.0 0.0
40	PI2 BPSK	1	214	23.18	23.29	23.14	
40	PI2 BPSK	108	0	23.18	23.23	23.10	24.0 0.0
40	PI2 BPSK	108	54	23.25	23.34	23.22	24.0 0.0
40	PI2 BPSK	108	108	23.20	23.27	23.24	
40	PI2 BPSK	216	0	23.18	23.29	23.19	24.0 0.0
40	QPSK	1	1	23.49	23.58	23.47	
40	QPSK	1	108	23.35	23.49	23.38	24.0 0.0
40	QPSK	1	214	23.34	23.44	23.39	
40	QPSK	108	0	23.12	23.24	23.21	24.0 0.0
40	QPSK	108	54	23.33	23.46	23.39	24.0 0.0
40	QPSK	108	108	23.23	23.32	23.21	24.0 0.0
40	QPSK	216	0	23.32	23.41	23.30	24.0 0.0
40	16QAM	1	1	23.08	23.21	23.09	24.0 0.0
40	64QAM	1	1	21.96	22.09	21.98	23.0 1.0
40	256QAM	1	1	20.82	20.92	20.83	21.0 3.0
Channel				345000	346000	350000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	23.42	23.47	23.43	24.0 0.0
Channel				344000	349000	354000	
Frequency (MHz)				1728	1745	1770	
20	QPSK	1	1	23.40	23.52	23.37	24.0 0.0
Channel				343000	348000	353000	
Frequency (MHz)				1715	1745	1775	
15	QPSK	1	1	23.45	23.43	23.43	24.0 0.0
Channel				343000	349000	350000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.45	23.43	23.42	24.0 0.0
Channel				342000	348000	350000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.35	23.55	23.37	24.0 0.0

n70 Default Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. / 340000	Power High Ch. / Freq. / 345000	MPR (dB)	
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1		1702.5			
15	PI2 BPSK	1	40		23.53		24.0 0.0	
15	PI2 BPSK	1	77		23.47			
15	PI2 BPSK	1	77		23.49			
15	PI2 BPSK	36	0		23.41		24.0 0.0	
15	PI2 BPSK	36	22		23.48		24.0 0.0	
15	PI2 BPSK	36	43		23.34		24.0 0.0	
15	PI2 BPSK	75	0		23.39		24.0 0.0	
15	QPSK	1	1		23.55			
15	QPSK	1	40		23.46		24.0 0.0	
15	QPSK	1	77		23.42			
15	QPSK	36	0		23.36		24.0 0.0	
15	QPSK	36	22		23.50		24.0 0.0	
15	QPSK	36	43		23.39		24.0 0.0	
15	QPSK	75	0		23.43		24.0 0.0	
15	16QAM	1	1		21.98		23.0 1.0	
15	64QAM	1	1		20.71		21.5 2.5	
15	256QAM	1	1		19.10		19.5 4.5	
Channel				340000	340000	341000		
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1		23.40	23.48	23.41	24.0 0.0
Channel				339000	340000	341000		
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1		23.48	23.51	23.42	24.0 0.0



n38 DSI6_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				517052	519000	520998		
Frequency (MHz)				2535.01	2595	2604.99		
30	PI2 BPSK	1	1	21.99	22.15	22.11	23.1	0.0
30	PI2 BPSK	1	40	22.05	22.14	22.06		
30	PI2 BPSK	1	76	21.96	22.01	21.90		
30	PI2 BPSK	36	0	22.01	22.09	22.02	23.1	0.0
30	PI2 BPSK	36	21	21.98	22.01	21.89	23.1	0.0
30	PI2 BPSK	36	42	21.98	22.03	21.90		
30	PI2 BPSK	75	0	21.99	22.06	21.94	23.1	0.0
30	QPSK	1	1	22.08	22.21	22.17		
30	QPSK	1	40	22.06	22.06	21.94	23.1	0.0
30	QPSK	1	76	21.97	22.09	22.05		
30	QPSK	36	0	21.98	22.10	21.98	23.1	0.0
30	QPSK	36	21	22.00	22.13	22.01	23.1	0.0
30	QPSK	36	42	21.97	22.07	21.99	23.1	0.0
30	QPSK	75	0	22.05	22.11	21.95		
30	16QAM	1	1	21.98	22.13	22.01	23.1	0.0
30	64QAM	1	1	22.08	22.10	22.04	23.1	0.6
30	256QAM	1	1	20.36	20.41	20.33	20.5	2.0
Channel				515004	519000	521006		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.97	22.15	22.12	23.1	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2554	2595	2635		
20	QPSK	1	1	22.00	22.06	22.06	23.1	0.0
Channel				515002	519000	524098		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.92	22.10	22.07	23.1	0.0
Channel				515004	519000	522998		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	21.92	22.09	22.00	23.1	0.0

n41 DSI6_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528000		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.69	21.80	21.67		
100	PI2 BPSK	1	137	21.57	21.71	21.69	23.1	0.0
100	PI2 BPSK	1	271	21.69	21.77	21.63		
100	PI2 BPSK	135	0	21.63	21.74	21.71	23.1	0.0
100	PI2 BPSK	135	69	21.64	21.80	21.65	23.1	0.0
100	PI2 BPSK	135	138	21.69	21.75	21.65		
100	PI2 BPSK	270	0	21.64	21.77	21.65	23.1	0.0
100	QPSK	1	1	21.80	21.83	21.71		
100	QPSK	1	137	21.56	21.74	21.70	23.1	0.0
100	QPSK	1	271	21.54	21.70	21.64		
100	QPSK	135	0	21.55	21.69	21.65	23.0	0.1
100	QPSK	135	69	21.76	21.79	21.74	23.1	0.0
100	QPSK	135	138	21.73	21.77	21.65	23.0	0.1
100	QPSK	270	0	21.56	21.67	21.63		
100	16QAM	1	1	21.69	21.72	21.55	23.0	0.1
100	64QAM	1	1	20.59	20.76	20.66	21.5	1.6
100	256QAM	1	1	18.57	18.63	18.61	19.5	3.0
Channel				515000	518598	529598		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.69	21.75	21.66	23.1	0.0
Channel				507294	518598	529998		
Frequency (MHz)				2638.92	2692.99	2649.99		
80	QPSK	1	1	21.69	21.80	21.62	23.1	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.63	21.73	21.59	23.1	0.0
Channel				505000	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.73	21.80	21.65	23.1	0.0
Channel				505294	518598	532000		
Frequency (MHz)				2521.92	2592.99	2664.99		
50	QPSK	1	1	21.69	21.70	21.57	23.1	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.78	21.79	21.54	23.1	0.0
Channel				502000	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.69	21.73	21.62	23.1	0.0
Channel				501294	518598	535998		
Frequency (MHz)				2506.92	2592.99	2679.99		
20	QPSK	1	1	21.77	21.72	21.60	23.1	0.0



n41 PC2 DSI6_Standalone Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				509202	259299	259299	
100	PI2 BPSK	1	1	24.44	24.78	24.69	
100	PI2 BPSK	1	137	24.75	24.83	24.75	26.1
100	PI2 BPSK	1	271	24.68	24.82	24.70	
100	PI2 BPSK	135	0	24.73	24.85	24.82	26.1
100	PI2 BPSK	135	69	24.76	24.82	24.80	26.1
100	PI2 BPSK	135	138	24.75	24.81	24.71	26.1
100	PI2 BPSK	270	0	24.61	24.78	24.72	
100	QPSK	1	1	24.76	24.82	24.89	
100	QPSK	1	137	24.64	24.80	24.73	26.1
100	QPSK	1	271	24.72	24.76	24.74	
100	QPSK	135	0	24.75	24.89	24.78	26.1
100	QPSK	135	69	24.84	24.90	24.77	26.1
100	QPSK	135	138	24.82	24.80	24.74	26.1
100	QPSK	270	0	24.72	24.83	24.80	26.1
100	16QAM	1	1	24.70	24.80	24.74	26.1
100	64QAM	1	1	24.28	24.34	24.20	25.0
100	256QAM	1	1	22.52	22.61	22.45	23.0
Channel				509200	518598	529996	
Frequency (MHz)				2541	259299	264498	
90	QPSK	1	1	24.69	24.78	24.76	26.1
Channel				509204	518598	529998	
Frequency (MHz)				2538.02	259299	264499	
80	QPSK	1	1	24.65	24.89	24.77	26.1
Channel				509202	518598	531000	
Frequency (MHz)				2531.01	259299	265	
70	QPSK	1	1	24.47	24.87	24.82	26.1
Channel				509200	518598	531986	
Frequency (MHz)				2528	259299	265998	
60	QPSK	1	1	24.64	24.87	24.79	26.1
Channel				510204	518598	532000	
Frequency (MHz)				2521.02	259299	266499	
50	QPSK	1	1	24.72	24.79	24.83	26.1
Channel				510202	518598	534000	
Frequency (MHz)				2516.01	259299	2670	
40	QPSK	1	1	24.74	24.81	24.72	26.1
Channel				510200	518598	534986	
Frequency (MHz)				2511	259299	267498	
30	QPSK	1	1	24.82	24.89	24.80	26.1
Channel				511204	518598	535988	
Frequency (MHz)				2506.02	259299	267999	
20	QPSK	1	1	24.61	24.83	24.85	26.1

n48 DSI6_Standalone Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				637000	641666	645332	
Frequency (MHz)				1927	192499	191998	
40	PI2 BPSK	1	1	19.57	19.73	19.82	
40	PI2 BPSK	1	53	19.78	19.49	19.72	20.4
40	PI2 BPSK	1	104	19.10	19.70	19.72	
40	PI2 BPSK	50	0	19.88	19.84	19.59	20.4
40	PI2 BPSK	50	26	19.40	19.71	19.79	20.4
40	PI2 BPSK	50	56	19.17	19.26	19.53	
40	PI2 BPSK	100	0	19.59	19.60	19.60	20.4
40	QPSK	1	1	19.90	20.06	19.78	
40	QPSK	1	53	19.69	19.79	19.85	20.4
40	QPSK	1	104	19.26	19.68	19.68	
40	QPSK	50	0	19.40	19.49	19.55	20.4
40	QPSK	50	26	19.68	19.88	19.62	20.4
40	QPSK	50	56	19.26	19.66	19.67	
40	QPSK	100	0	19.63	19.82	19.71	20.4
40	16QAM	1	1	19.22	19.81	19.81	20.4
40	64QAM	1	1	19.51	19.78	19.36	20.4
40	256QAM	1	1	19.25	19.07	19.43	19.5
Channel				637000	641666	645332	
Frequency (MHz)				3665.92	3624.99	3684.99	
30	QPSK	1	1	19.78	19.84	19.63	20.4
Channel				637004	641666	646000	
Frequency (MHz)				3660.91	3624.99	3690	
20	QPSK	1	1	19.51	19.80	19.67	20.4
Channel				637000	641666	646332	
Frequency (MHz)				3655	3624.99	369498	
10	QPSK	1	1	19.58	19.67	19.65	20.4



Part270 n77 DS16_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 650000	Power Middle Ch. F.Freq. 656000	Power High Ch. F.Freq. 663000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.59	19.66	19.63		
100	PI2 BPSK	1	137	19.67	19.70	19.59	20.9	0.0
100	PI2 BPSK	1	271	19.39	19.49	19.43		
100	PI2 BPSK	135	0	19.62	19.69	19.62	20.9	0.0
100	PI2 BPSK	135	69	19.51	19.65	19.61		
100	PI2 BPSK	135	138	19.40	19.54	19.39	20.9	0.0
100	PI2 BPSK	270	0	19.53	19.64	19.59		
100	QPSK	1	1	19.59	19.71	19.56		
100	QPSK	1	137	19.55	19.56	19.55	20.9	0.0
100	QPSK	1	271	19.30	19.41	19.32		
100	QPSK	135	0	19.54	19.62	19.59	20.9	0.0
100	QPSK	135	69	19.56	19.67	19.50	20.9	0.0
100	QPSK	135	138	19.49	19.52	19.49	20.9	0.0
100	QPSK	270	0	19.47	19.52	19.57		
100	16QAM	1	1	19.52	19.58	19.43	20.9	0.0
100	64QAM	1	1	19.47	19.50	19.47	20.9	0.0
100	256QAM	1	1	19.40	19.54	19.46	19.5	1.4
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.52	19.64	19.51	20.9	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.48	19.54	19.41	20.9	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.44	19.51	19.47	20.9	0.0
Channel								
Frequency (MHz)				648968	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.54	19.55	19.44	20.9	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.54	19.55	19.49	20.9	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.52	19.62	19.45	20.9	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.43	19.54	19.50	20.9	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.47	19.57	19.46	20.9	0.0
Channel								
Frequency (MHz)				647160	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.54	19.58	19.48	20.9	0.0
Channel								
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.54	19.67	19.47	20.9	0.0

Part270 n77 PC2 DS16_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 650000	Power Middle Ch. F.Freq. 656000	Power High Ch. F.Freq. 663000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.47	22.57	22.54		
100	PI2 BPSK	1	137	22.51	22.55	22.51	23.9	0.0
100	PI2 BPSK	1	271	22.34	22.48	22.35		
100	PI2 BPSK	135	0	22.37	22.52	22.45	23.9	0.0
100	PI2 BPSK	135	69	22.29	22.45	22.41	23.9	0.0
100	PI2 BPSK	135	138	22.39	22.51	22.39	23.9	0.0
100	PI2 BPSK	270	0	22.45	22.54	22.37		
100	QPSK	1	1	22.55	22.62	22.47		
100	QPSK	1	137	22.47	22.53	22.39	23.9	0.0
100	QPSK	1	271	22.56	22.58	22.50		
100	QPSK	135	0	22.38	22.52	22.47	23.9	0.0
100	QPSK	135	69	22.47	22.59	22.44	23.9	0.0
100	QPSK	135	138	22.45	22.50	22.45	23.9	0.0
100	QPSK	270	0	22.42	22.53	22.39		
100	16QAM	1	1	22.44	22.57	22.46	23.9	0.0
100	64QAM	1	1	22.40	22.45	22.41	23.9	0.0
100	256QAM	1	1	21.93	22.00	21.86	23.0	0.8
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.48	22.47	22.41	23.9	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.43	22.58	22.41	23.9	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.48	22.57	22.35	23.9	0.0
Channel								
Frequency (MHz)				648968	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.49	22.60	22.31	23.9	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.41	22.56	22.45	23.9	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.46	22.58	22.38	23.9	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.49	22.50	22.41	23.9	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.50	22.51	22.37	23.9	0.0
Channel								
Frequency (MHz)				647160	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.46	22.48	22.40	23.9	0.0
Channel								
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.53	22.58	22.37	23.9	0.0

Part27Q n77 DS16_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 633000	Power Middle Ch. F.Freq. 633334	Power High Ch. F.Freq. 633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	19.58				
100	PI2 BPSK	1	137	19.91			20.9	0.0
100	PI2 BPSK	1	271	19.93				
100	PI2 BPSK	135	0	20.00			20.9	0.0
100	PI2 BPSK	135	69	19.92			20.9	0.0
100	PI2 BPSK	135	138	19.98			20.9	0.0
100	PI2 BPSK	270	0	19.99				
100	QPSK	1	1	20.06				
100	QPSK	1	137	19.89			20.9	0.0
100	QPSK	1	271	19.91				
100	QPSK	135	0	19.95			20.9	0.0
100	QPSK	135	69	19.96			20.9	0.0
100	QPSK	135	138	19.95			20.9	0.0
100	QPSK	270	0	19.98				
100	16QAM	1	1	19.97			20.9	0.0
100	64QAM	1	1	19.89			20.9	0.0
100	256QAM	1	1	19.86			19.5	1.4
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.98	20.01	19.95	20.9	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.98	19.99	20.02	20.9	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.01	20.03	20.02	20.9	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.95	19.95	19.98	20.9	0.0
Channel								
Frequency (MHz)				3475.02	3500.01	3525.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.96	19.98	19.95	20.9	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.92	19.98	19.95	20.9	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.92	19.92	19.92	20.9	0.0
Channel								
Frequency (MHz)				3460.02	3500.01	3540.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.99	19.94	19.95	20.9	0.0
Channel								
Frequency (MHz)				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.96	19.91	20.00	20.9	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.93	19.95	20.01	20.9	0.0



Part27Q n77 PC2 DSI6_Standalone Ant 3									
BW (MHz)	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		3500.01				
100	PI2 BPSK	1	137		23.03				
100	PI2 BPSK	1	271		23.01			23.9	0.0
100	PI2 BPSK	1	271		23.09				
100	PI2 BPSK	135	0		23.11			23.9	0.0
100	PI2 BPSK	135	69		23.15			23.9	0.0
100	PI2 BPSK	135	138		23.11			23.9	0.0
100	PI2 BPSK	270	0		23.07				
100	QPSK	1	1		23.17				
100	QPSK	1	137		23.09			23.9	0.0
100	QPSK	1	271		23.08				
100	QPSK	135	0		23.10			23.9	0.0
100	QPSK	135	69		23.14			23.9	0.0
100	QPSK	135	138		23.03			23.9	0.0
100	QPSK	270	0		23.12				
100	16QAM	1	1		23.08			23.9	0.0
100	64QAM	1	1		23.07			23.9	0.0
100	256QAM	1	1		22.46			23.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02			
				23.01	23.04	23.12		23.9	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3498.02	3500.01	3502			
				23.11	23.02	23.03		23.9	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3515.01			
				23.12	23.10	23.14		23.9	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02			
				23.06	23.00	23.01		23.9	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525			
				23.08	23.12	23.06		23.9	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3500.01	3520.01			
				23.04	23.03	23.06		23.9	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02			
				23.13	23.13	23.12		23.9	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	630688	633334	635999	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540			
				23.08	23.03	23.05		23.9	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	630300	633334	636308	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500.01	3542.50			
				23.11	23.00	23.04		23.9	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500.01	3545.01			
				23.11	23.06	23.05		23.9	0.0



Part270 n78 DSI6_Standalone Ant 3									
BW (MHz)	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)									
100	PI2 BPSK	1	1	19.64	19.57	19.58	20.9	0.0	
100	PI2 BPSK	1	137	19.57	19.57	19.57	20.9	0.0	
100	PI2 BPSK	1	271	19.58	19.57	19.58	20.9	0.0	
100	PI2 BPSK	135	0	19.63	19.57	19.63	20.9	0.0	
100	PI2 BPSK	135	69	19.57	19.57	19.57	20.9	0.0	
100	PI2 BPSK	135	138	19.52	19.52	19.52	20.9	0.0	
100	PI2 BPSK	270	0	19.53	19.53	19.53	20.9	0.0	
100	QPSK	1	1	19.68	19.58	19.68	20.9	0.0	
100	QPSK	1	137	19.53	19.54	19.54	20.9	0.0	
100	QPSK	1	271	19.64	19.54	19.64	20.9	0.0	
100	QPSK	135	0	19.52	19.52	19.52	20.9	0.0	
100	QPSK	135	69	19.64	19.57	19.64	20.9	0.0	
100	QPSK	135	138	19.57	19.57	19.57	20.9	0.0	
100	QPSK	270	0	19.56	19.56	19.56	20.9	0.0	
100	16QAM	1	1	19.60	19.60	19.60	20.9	0.0	
100	64QAM	1	1	19.56	19.56	19.56	20.9	0.0	
100	256QAM	1	1	19.44	19.44	19.44	19.8	1.4	
Channel				64098	65000	65334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	19.61	19.57	19.58	20.9	0.0	
Channel				64834	65000	65068	Tune-up limit	MPR	
Frequency (MHz)				3749.01	3750	3750.02	(dBm)	(dB)	
80	QPSK	1	1	19.61	19.65	19.53	20.9	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)				3753	3750	3755	(dBm)	(dB)	
70	QPSK	1	1	19.50	19.55	19.54	20.9	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	19.58	19.60	19.59	20.9	0.0	
Channel				64834	65000	65166	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	19.52	19.58	19.61	20.9	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.59	19.55	19.56	20.9	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	(dB)	
30	QPSK	1	1	19.53	19.68	19.53	20.9	0.0	
Channel				64734	65000	65266	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	19.52	19.63	19.53	20.9	0.0	
Channel				64700	65000	65298	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	19.61	19.56	19.66	20.9	0.0	
Channel				64700	65000	65300	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	19.54	19.64	19.55	20.9	0.0	

Part270 n78 PC2 DSI6_Standalone Ant 3									
BW (MHz)	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)									
100	PI2 BPSK	1	1	22.42	22.42	22.42	23.9	0.0	
100	PI2 BPSK	1	137	22.32	22.32	22.32	23.9	0.0	
100	PI2 BPSK	1	271	22.50	22.50	22.50	23.9	0.0	
100	PI2 BPSK	135	0	22.83	22.49	22.83	23.9	0.0	
100	PI2 BPSK	135	69	22.49	22.49	22.49	23.9	0.0	
100	PI2 BPSK	135	138	22.55	22.55	22.55	23.9	0.0	
100	PI2 BPSK	270	0	22.53	22.53	22.53	23.9	0.0	
100	QPSK	1	1	22.59	22.47	22.59	23.9	0.0	
100	QPSK	1	137	22.47	22.47	22.47	23.9	0.0	
100	QPSK	1	271	22.45	22.45	22.45	23.9	0.0	
100	QPSK	135	0	22.44	22.44	22.44	23.9	0.0	
100	QPSK	135	69	22.56	22.56	22.56	23.9	0.0	
100	QPSK	135	138	22.43	22.43	22.43	23.9	0.0	
100	QPSK	270	0	22.42	22.42	22.42	23.9	0.0	
100	16QAM	1	1	22.45	22.45	22.45	23.9	0.0	
100	64QAM	1	1	22.41	22.41	22.41	23.9	0.0	
100	256QAM	1	1	22.18	22.18	22.18	23.0	0.8	
Channel				64098	65000	65334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	22.54	22.45	22.52	23.9	0.0	
Channel				64834	65000	65068	Tune-up limit	MPR	
Frequency (MHz)				3749.01	3750	3750.02	(dBm)	(dB)	
80	QPSK	1	1	22.53	22.45	22.42	23.9	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)				3753	3750	3755	(dBm)	(dB)	
70	QPSK	1	1	22.56	22.43	22.54	23.9	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	22.54	22.53	22.49	23.9	0.0	
Channel				64834	65000	65166	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	22.52	22.47	22.49	23.9	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	22.53	22.44	22.49	23.9	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	(dB)	
30	QPSK	1	1	22.50	22.53	22.49	23.9	0.0	
Channel				64734	65000	65266	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	22.52	22.55	22.47	23.9	0.0	
Channel				64700	65000	65298	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	22.47	22.42	22.50	23.9	0.0	
Channel				64700	65000	65300	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	22.43	22.47	22.44	23.9	0.0	

Part27Q n78 DSI6_Standalone Ant 3									
BW (MHz)	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)									
100	PI2 BPSK	1	1	19.92	19.91	19.92	20.9	0.0	
100	PI2 BPSK	1	137	19.91	19.91	19.91	20.9	0.0	
100	PI2 BPSK	1	271	19.83	19.83	19.83	20.9	0.0	
100	PI2 BPSK	135	0	19.85	19.96	19.85	20.9	0.0	
100	PI2 BPSK	135	69	19.96	19.96	19.96	20.9	0.0	
100	PI2 BPSK	135	138	19.94	19.94	19.94	20.9	0.0	
100	PI2 BPSK	270	0	19.89	19.89	19.89	20.9	0.0	
100	QPSK	1	1	19.99	19.99	19.99	20.9	0.0	
100	QPSK	1	137	19.91	19.91	19.91	20.9	0.0	
100	QPSK	1	271	19.86	19.86	19.86	20.9	0.0	
100	QPSK	135	0	19.83	19.83	19.83	20.9	0.0	
100	QPSK	135	69	19.90	19.90	19.90	20.9	0.0	
100	QPSK	135	138	19.86	19.86	19.86	20.9	0.0	
100	QPSK	270	0	19.93	19.93	19.93	20.9	0.0	
100	16QAM	1	1	19.87	19.87	19.87	20.9	0.0	
100	64QAM	1	1	19.82	19.82	19.82	20.9	0.0	
100	256QAM	1	1	19.90	19.90	19.90	19.8	1.4	
Channel				63300	63354	63398	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	19.96	19.83	19.83	20.9	0.0	
Channel				63068	63334	63400	Tune-up limit	MPR	
Frequency (MHz)				3495.02	3500.01	3505.02	(dBm)	(dB)	
80	QPSK	1	1	19.92	19.83	19.85	20.9	0.0	
Channel				63234	63334	63434	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	19.93	19.83	19.97	20.9	0.0	
Channel				63000	63334	63468	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	19.93	19.83	19.89	20.9	0.0	
Channel				63166	63334	63500	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525.03	(dBm)	(dB)	
50	QPSK	1	1	19.87	19.88	19.93	20.9	0.0	
Channel				63134	63334	63534	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	19.88	19.94	19.87	20.9	0.0	
Channel				63000	63334	63568	Tune-up limit	MPR	
Frequency (MHz)				3465.02	3500.01	3535.02	(dBm)	(dB)	
3									



Part27Q n78 PC2 DSI6_Standalone Ant 3									
BW (MHz)	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		3500.01				
100	PI2 BPSK	1	137		23.06				
100	PI2 BPSK	1	271		22.99			23.9	0.0
100	PI2 BPSK	135	0		23.06				
100	PI2 BPSK	135	69		22.98			23.9	0.0
100	PI2 BPSK	135	138		22.99			23.9	0.0
100	PI2 BPSK	270	0		23.05			23.9	0.0
100	PI2 BPSK	270	0		22.98				
100	QPSK	1	1		23.10				
100	QPSK	1	137		23.06			23.9	0.0
100	QPSK	1	271		22.94				
100	QPSK	135	0		23.05			23.9	0.0
100	QPSK	135	69		23.07			23.9	0.0
100	QPSK	135	138		22.99			23.9	0.0
100	QPSK	270	0		23.01			23.9	0.0
100	16QAM	1	1		23.04			23.9	0.0
100	64QAM	1	1		22.98			23.9	0.0
100	256QAM	1	1		22.62			23.0	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	23.00	22.04	22.99		23.9	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3498.02	3503.03	3510			
80	QPSK	1	1	22.96	23.06	22.97		23.9	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	23.05	23.02	22.99		23.9	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02			
60	QPSK	1	1	23.01	23.03	23.08		23.9	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	22.99	23.06	22.96		23.9	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.03	3500.01	3530.03			
40	QPSK	1	1	23.00	23.00	23.06		23.9	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02			
30	QPSK	1	1	22.96	23.08	23.07		23.9	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540			
20	QPSK	1	1	22.98	23.03	22.96		23.9	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	630300	633334	636300	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500.01	3542.50			
15	QPSK	1	1	22.95	22.99	23.06		23.9	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
				3462.01	3500.01	3543.01			
10	QPSK	1	1	23.03	22.98	22.94		23.9	0.0



Reduced Power Mode for DSI6-Simultaneous

n2 Ant 0									
BW (MHz)	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)				1860	1880	1900			
20	PI2 BPSK	1	1	22.93	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82			
20	PI2 BPSK	100	0	22.81	22.90	22.89	24.0	0.0	
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.87	22.95	22.87			
20	QPSK	50	0	22.92	22.93	22.84	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.87			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	16QAM	1	1	21.76	21.88	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	1852.5	1860	1862.5	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	1855	1860	1865	24.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	1852.5	1860	1867.5	24.0	0.0	

n5 Ant 0									
BW (MHz)	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)				834	836.5	839			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.97	23.04	22.94	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.92			
20	PI2 BPSK	50	0	23.00	23.08	22.96	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.93	22.96	22.92			
20	PI2 BPSK	100	0	22.94	23.00	22.92	24.0	0.0	
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.96	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.16	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	16QAM	1	1	22.97	22.71	22.58	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	3.0	
Channel									
Frequency (MHz)				168300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	831.5	836.5	841.5	24.0	0.0	
Channel									
Frequency (MHz)				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	829	836.5	844	24.0	0.0	
Channel									
Frequency (MHz)				169300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	826.5	836.5	846.5	24.0	0.0	

n7 Ant 0									
BW (MHz)	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)				2500	2535	2560			
40	PI2 BPSK	1	1	21.84	21.90	21.78			
40	PI2 BPSK	1	108	21.76	21.87	21.83	23.0	0.0	
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.96	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.86	21.78	23.0	0.0	
40	QPSK	108	54	21.78	21.95	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77			
40	16QAM	1	1	21.80	21.84	21.74	23.0	0.0	
40	16QAM	1	1	21.05	21.14	21.09	22.0	1.0	
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
Frequency (MHz)				509000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2515	2535	2555	23.0	0.0	
Channel									
Frequency (MHz)				509500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	2512.5	2535	2557.5	23.0	0.0	
Channel									
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel									
Frequency (MHz)				501300	501000	501600	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2456	2455	2455	23.0	0.0	
Channel									
Frequency (MHz)				501000	501000	501000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	2456	2455	2455	23.0	0.0	
Channel									
Frequency (MHz)				500600	501000	501400	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	2502.5	2535	2567.5	23.0	0.0	



n12 Ant 0									
BW (MHz)	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)									
15	PI2 BPSK	1	1	23.05	23.11	22.97			
15	PI2 BPSK	1	40	22.84	22.82	22.80	24.0	0.0	
15	PI2 BPSK	1	77	22.75	22.80	22.74			
15	PI2 BPSK	36	0	22.96	23.01	22.96	24.0	0.0	
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0	0.0	
15	PI2 BPSK	36	43	22.90	22.96	22.88			
15	PI2 BPSK	75	0	22.90	23.02	22.96	24.0	0.0	
15	QPSK	1	1	23.13	23.19	23.12			
15	QPSK	1	40	23.07	23.12	23.08	24.0	0.0	
15	QPSK	1	77	22.87	22.95	22.90			
15	QPSK	36	0	22.92	23.01	22.99	24.0	0.0	
15	QPSK	36	22	22.97	23.06	22.97	24.0	0.0	
15	QPSK	36	43	22.84	22.99	22.89			
15	QPSK	75	0	22.89	23.01	22.90			
15	16QAM	1	1	23.07	23.11	23.07	24.0	0.0	
15	16QAM	1	1	22.01	22.11	22.03	23.0	1.0	
15	256QAM	1	1	20.14	20.28	20.17	21.0	3.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.03	23.14	23.06	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.99	23.08	23.04	24.0	0.0	

n13 Ant 0									
BW (MHz)	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)									
10	PI2 BPSK	1	1		23.18				
10	PI2 BPSK	1	26		23.13		24.0	0.0	
10	PI2 BPSK	1	50		23.05				
10	PI2 BPSK	25	0		22.97		23.5	0.5	
10	PI2 BPSK	25	14		23.15		24.0	0.0	
10	PI2 BPSK	25	27		23.01				
10	PI2 BPSK	50	0		23.11		23.5	0.5	
10	QPSK	1	1		23.29				
10	QPSK	1	26		23.19		24.0	0.0	
10	QPSK	1	50		23.13				
10	QPSK	25	0		22.46		23.0	1.0	
10	QPSK	25	14		23.19		24.0	0.0	
10	QPSK	25	27		22.97				
10	QPSK	50	0		22.58		23.0	1.0	
10	16QAM	1	1		21.67		21.0	1.0	
10	16QAM	1	1		20.78		21.5	2.5	
10	256QAM	1	1		19.36		19.5	4.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.20	23.26	23.22	24.0	0.0	

n14 Ant 0									
BW (MHz)	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)									
10	PI2 BPSK	1	1		23.37				
10	PI2 BPSK	1	26		23.28		24.0	0.0	
10	PI2 BPSK	1	50		23.33				
10	PI2 BPSK	25	0		23.28		24.0	0.0	
10	PI2 BPSK	25	14		23.35		24.0	0.0	
10	PI2 BPSK	25	27		23.28				
10	PI2 BPSK	50	0		23.31		24.0	0.0	
10	QPSK	1	1		23.43				
10	QPSK	1	26		23.31		24.0	0.0	
10	QPSK	1	50		23.36				
10	QPSK	25	0		23.31		24.0	0.0	
10	QPSK	25	14		23.35		24.0	0.0	
10	QPSK	25	27		23.26				
10	QPSK	50	0		23.33		24.0	0.0	
10	16QAM	1	1		23.22		24.0	0.0	
10	16QAM	1	1		22.17		23.0	1.0	
10	256QAM	1	1		20.40		21.0	3.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.32	23.40	23.30	24.0	0.0	



n25 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374200	376900	379600			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.00	23.13	23.12			
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0	
40	PI2 BPSK	1	214	22.98	23.08	23.02			
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0	
40	PI2 BPSK	108	84	23.04	23.11	23.14	24.0	0.0	
40	PI2 BPSK	108	108	22.96	23.07	22.93			
40	PI2 BPSK	216	0	22.98	22.98	23.05	24.0	0.0	
40	QPSK	1	1	23.08	23.25	23.21			
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0	
40	QPSK	1	214	23.02	23.06	23.00			
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0	
40	QPSK	108	84	23.02	23.16	22.97	24.0	0.0	
40	QPSK	108	108	22.98	23.08	22.83	24.0	0.0	
40	QPSK	216	0	23.04	23.12	23.04			
40	16QAM	1	1	23.08	23.21	23.18	24.0	0.0	
40	16QAM	1	1	22.05	22.13	22.08	23.0	1.0	
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.92	23.11	23.06	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	22.89	23.19	23.08	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1858	1882.5	1910			
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1856	1882.5	1912			
10	QPSK	1	1	22.95	23.21	23.17	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	22.90	23.17	23.14	24.0	0.0	

n26 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				854	831.5	839			
20	PI2 BPSK	1	1	23.38	23.40	23.33			
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.11	23.05			
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0	
20	PI2 BPSK	50	28	23.25	23.31	23.18	24.0	0.0	
20	PI2 BPSK	50	56	23.02	23.15	23.08			
20	PI2 BPSK	100	0	23.17	23.28	23.22	24.0	0.0	
20	QPSK	1	1	23.43	23.49	23.38			
20	QPSK	1	53	23.29	23.40	23.32	24.0	0.0	
20	QPSK	1	104	23.27	23.34	23.22			
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0	
20	QPSK	50	28	23.39	23.43	23.32	24.0	0.0	
20	QPSK	50	56	23.20	23.31	23.28	24.0	0.0	
20	QPSK	100	0	23.31	23.38	23.26			
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0	
20	16QAM	1	1	22.31	22.43	22.30	23.0	1.0	
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	23.33	23.30	23.33	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	23.31	23.29	23.25	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0	



n30 Ant 0									
BW (MHz)	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)									
2310									
10	PI2 BPSK	1	1	22.91			24.0	0.0	
10	PI2 BPSK	1	26	22.89					
10	PI2 BPSK	1	50	22.82					
10	PI2 BPSK	25	0	22.91			24.0	0.0	
10	PI2 BPSK	25	14	22.92			24.0	0.0	
10	PI2 BPSK	25	27	22.87			24.0	0.0	
10	PI2 BPSK	50	0	22.81					
10	QPSK	1	1	23.03					
10	QPSK	1	26	22.91			24.0	0.0	
10	QPSK	1	50	22.90					
10	QPSK	25	0	22.80			24.0	0.0	
10	QPSK	25	14	22.93			24.0	0.0	
10	QPSK	25	27	22.89			24.0	0.0	
10	QPSK	50	0	22.90					
10	16QAM	1	1	22.86			24.0	0.0	
10	16QAM	1	1	22.17			23.0	1.0	
10	256QAM	1	1	20.17			21.0	3.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2287.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	22.53	22.90	22.91	24.0	0.0	

n66 Ant 0									
BW (MHz)	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)									
1730 1745 1760									
40	PI2 BPSK	1	1	23.18	23.29	23.32	24.0	0.0	
40	PI2 BPSK	1	108	23.07	23.36	23.14			
40	PI2 BPSK	1	214	23.29	23.14	23.27			
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0	
40	PI2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0	
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0	
40	PI2 BPSK	216	0	23.04	23.22	23.21			
40	QPSK	1	1	23.28	23.45	23.40			
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0	
40	QPSK	1	214	23.26	23.26	23.25			
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0	
40	QPSK	108	54	23.22	23.39	23.24	24.0	0.0	
40	QPSK	108	108	23.15	23.29	23.16	24.0	0.0	
40	QPSK	216	0	23.21	23.35	23.22			
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0	
40	16QAM	1	1	21.92	21.37	21.54	23.0	1.0	
40	256QAM	1	1	20.38	20.24	20.44	21.0	3.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
1720 1735 1750									
20	QPSK	1	1	23.13	23.41	23.36	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	QPSK	1	1	23.22	23.34	23.28	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0	

n70 Ant 0									
BW (MHz)	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)									
1702.5									
15	PI2 BPSK	1	1		20.88		22.0	0.0	
15	PI2 BPSK	1	40		20.92				
15	PI2 BPSK	1	77		20.96				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.98		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.92		22.0	0.0	
15	QPSK	36	43		20.87		21.0	1.0	
15	QPSK	75	0		20.78		21.0	1.0	
15	16QAM	1	1		19.65		19.5	2.5	
15	16QAM	1	1		18.01				
15	256QAM	1	1		16.67		17.5	4.5	
Channel				349000	349500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	22.0	0.0	
10	QPSK	1	1	20.95	20.91	20.88	22.0	0.0	
Channel									
Frequency (MHz)									
1697.5 1702.5 1707.5									
5	QPSK	1	1	20.89	20.96	20.89	22.0	0.0	



n71 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134000	134100	134200		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	23.27	23.32	23.24	24.0	0.0
20	PI2 BPSK	1	53	23.19	23.28	23.17		
20	PI2 BPSK	1	104	23.09	23.22	23.19		
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0
20	PI2 BPSK	50	28	23.21	23.29	23.17	24.0	0.0
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0
20	PI2 BPSK	100	0	23.10	23.22	23.09		
20	QPSK	1	1	23.27	23.38	23.34		
20	QPSK	1	53	23.17	23.31	23.26	24.0	0.0
20	QPSK	1	104	23.18	23.29	23.23		
20	QPSK	50	0	23.11	23.23	23.11		
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0
20	QPSK	100	0	23.14	23.26	23.14		
20	QAM	1	1	22.76	22.86	22.84		
20	QAM	1	1	22.10	22.19	22.12	23.0	1.0
20	256QAM	1	1	20.83	20.57	20.48	21.0	3.0
Channel				134100	134200	134300	Tune-up limit	MPR
Frequency (MHz)				673.5	680.5	687.5	(dBm)	(dB)
15	QPSK	1	1	23.15	23.35	23.20	24.0	0.0
Channel				133900	134000	134000	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				666.5	680.5	696.5	(dBm)	(dB)
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0



n38 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2BPSK	1	1	20.72	20.98	20.83	22.3	0.0
30	PI2BPSK	1	40	20.73	20.90	20.71		
30	PI2BPSK	1	76	20.68	20.88	20.78		
30	PI2BPSK	36	0	20.85	20.77	20.82	22.3	0.0
30	PI2BPSK	36	21	20.98	20.81	20.89	22.3	0.0
30	PI2BPSK	36	42	20.57	20.78	20.68	22.3	0.0
30	PI2BPSK	75	0	20.59	20.79	20.68		
30	QPSK	1	1	20.84	21.03	20.99		
30	QPSK	1	40	20.76	21.00	20.83	22.3	0.0
30	QPSK	1	76	20.91	20.75	20.76		
30	QPSK	36	0	20.69	20.90	20.75	22.3	0.0
30	QPSK	36	21	20.88	20.91	20.76	22.3	0.0
30	QPSK	36	42	20.77	20.88	20.80	22.3	0.0
30	QPSK	75	0	20.80	20.95	20.65		
30	16QAM	1	1	21.01	20.94	20.83	22.3	0.0
30	64QAM	1	1	20.50	20.59	20.44	21.6	0.8
30	256QAM	1	1	18.72	18.84	18.71	18.5	2.0
Channel				515004	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	20.62	20.71	20.82	22.3	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2584	2595	2610		
20	QPSK	1	1	20.75	20.81	20.84	22.3	0.0
Channel				515502	519000	524998		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.65	20.90	20.81	22.3	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2576.02	2595	2614.98		
10	QPSK	1	1	20.53	20.90	20.80	22.3	0.0

n41 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				506002	518998	526998		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2BPSK	1	1	20.81	21.00	20.92		
100	PI2BPSK	1	137	20.79	20.97	20.98	22.3	0.0
100	PI2BPSK	1	271	20.75	20.93	20.77		
100	PI2BPSK	135	0	20.87	21.04	20.74	22.3	0.0
100	PI2BPSK	135	69	21.01	20.83	20.88	22.3	0.0
100	PI2BPSK	135	138	20.75	20.95	20.82	22.3	0.0
100	PI2BPSK	270	0	20.32	20.39	20.35		
100	QPSK	1	1	20.86	21.15	20.95		
100	QPSK	1	137	20.80	20.95	20.83	22.3	0.0
100	QPSK	1	271	20.85	20.89	20.89		
100	QPSK	135	0	20.91	21.00	20.90	22.0	0.3
100	QPSK	135	69	20.89	21.02	20.95	22.3	0.0
100	QPSK	135	138	20.88	21.01	20.83	22.0	0.3
100	QPSK	270	0	20.80	20.94	20.81		
100	16QAM	1	1	20.97	21.03	20.89	22.0	0.3
100	64QAM	1	1	19.02	19.16	19.03	20.5	1.8
100	256QAM	1	1	17.45	17.53	17.43	18.5	3.0
Channel				515000	518998	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.72	20.93	20.66	22.3	0.0
Channel				507204	518998	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	20.68	21.04	20.78	22.3	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.62	20.87	20.74	22.3	0.0
Channel				505000	518998	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.57	21.04	20.67	22.3	0.0
Channel				504004	518998	532996		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.78	21.04	20.74	22.3	0.0
Channel				503002	518998	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.60	20.83	20.81	22.3	0.0
Channel				502000	518998	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.57	20.84	20.73	22.3	0.0
Channel				501004	518998	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.67	21.06	20.69	22.3	0.0



n41 PC2 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	526000		
Frequency (MHz)				2346.01	2392.99	2340		
100	PI2 BPSK	1	1	23.92	23.82	23.89		
100	PI2 BPSK	1	137	23.75	23.96	23.74	25.3	0.0
100	PI2 BPSK	1	271	23.69	23.77	23.69		
100	PI2 BPSK	135	0	23.57	23.86	23.68	25.3	0.0
100	PI2 BPSK	135	69	23.71	23.85	23.76	25.3	0.0
100	PI2 BPSK	135	138	23.58	23.63	23.74	25.3	0.0
100	PI2 BPSK	270	0	23.78	23.70	23.82		
100	QPSK	1	1	23.82	23.96	23.86		
100	QPSK	1	137	23.66	23.86	23.67	25.3	0.0
100	QPSK	1	271	23.81	23.71	23.65		
100	QPSK	135	0	23.81	23.83	23.87	25.3	0.0
100	QPSK	135	69	23.90	24.00	23.69	25.3	0.0
100	QPSK	135	138	23.74	23.63	23.86	25.3	0.0
100	QPSK	270	0	23.52	23.51	23.39		
100	16QAM	1	1	23.63	23.69	23.82	25.3	0.0
100	64QAM	1	1	22.57	22.62	22.52	24.0	1.3
100	256QAM	1	1	20.16	20.30	20.15	22.0	3.3
Channel				510000	518598	525998		
Frequency (MHz)				2341	2392.99	2344.98		
90	QPSK	1	1	23.66	23.86	23.61	25.3	0.0
Channel				507204	518598	525998		
Frequency (MHz)				2338.00	2392.99	2343.99		
80	QPSK	1	1	23.55	23.88	23.77	25.3	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2331.01	2392.99	2365		
70	QPSK	1	1	23.54	23.74	23.71	25.3	0.0
Channel				505000	518598	531998		
Frequency (MHz)				2326	2392.99	2369.98		
60	QPSK	1	1	23.74	23.75	23.65	25.3	0.0
Channel				502004	518598	532000		
Frequency (MHz)				2321.02	2392.99	2364.99		
50	QPSK	1	1	23.72	23.74	23.59	25.3	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2316.01	2392.99	2360		
40	QPSK	1	1	23.56	23.74	23.67	25.3	0.0
Channel				502000	518598	534998		
Frequency (MHz)				2311	2392.99	2374.98		
30	QPSK	1	1	23.74	23.75	23.64	25.3	0.0
Channel				501004	518598	535998		
Frequency (MHz)				2306.02	2392.99	2379.98		
20	QPSK	1	1	23.70	23.68	23.62	25.3	0.0

n48 Part96 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	20.87	21.01	20.95		
40	PI2 BPSK	1	53	20.85	20.99	20.89	22.0	0.0
40	PI2 BPSK	1	104	20.91	20.95	20.91		
40	PI2 BPSK	50	0	20.30	20.40	20.34	21.5	0.5
40	PI2 BPSK	50	26	20.84	20.97	20.82	22.0	0.0
40	PI2 BPSK	50	56	20.34	20.39	20.34	21.5	0.5
40	PI2 BPSK	100	0	20.38	20.43	20.30		
40	QPSK	1	1	20.99	21.09	20.94		
40	QPSK	1	53	20.95	21.03	20.97	22.0	0.0
40	QPSK	1	104	20.92	20.96	20.93		
40	QPSK	50	0	20.02	20.13	19.98	21.0	1.0
40	QPSK	50	28	20.94	21.05	20.88	22.0	0.0
40	QPSK	90	56	19.88	20.04	19.82	21.0	1.0
40	QPSK	100	0	19.94	20.07	20.03	21.0	1.0
40	16QAM	1	1	19.90	19.98	19.81	21.0	1.0
40	64QAM	1	1	18.57	18.78	18.64	19.5	2.5
40	256QAM	1	1	16.82	16.82	16.67	17.5	4.5
Channel				637000	641666	645000		
Frequency (MHz)				3665.02	3634.99	3684.99		
30	QPSK	1	1	20.87	21.03	20.83	22.0	0.0
Channel				637000	641666	646000		
Frequency (MHz)				3662.01	3624.99	3660		
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3556	3634.99	3694.98		
10	QPSK	1	1	20.90	20.89	20.89	22.0	0.0



Part270 n77 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.81	22.94	22.91		
100	Pl2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0
100	Pl2 BPSK	1	271	22.77	22.89	22.77		
100	Pl2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	Pl2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	Pl2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	Pl2 BPSK	270	0	22.82	22.92	22.81		
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.82	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.84	22.90	22.77		
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
40	QPSK	1	1	22.74	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
30	QPSK	1	1	22.71	22.98	22.93	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

Part270 n77 PC2 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.68	25.92	25.60		
100	Pl2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	Pl2 BPSK	1	271	25.88	26.07	26.03		
100	Pl2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	Pl2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	Pl2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	Pl2 BPSK	270	0	25.70	25.91	25.87		
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.84	26.02	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81		
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
30	QPSK	1	1	25.76	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
10	QPSK	1	1	25.77	25.98	26.06	27.0	0.0

Part270Q n77 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	Pl2 BPSK	1	1			23.24		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			23.22	24.0	0.0
100	Pl2 BPSK	135	69			23.23	24.0	0.0
100	Pl2 BPSK	135	138			23.26	24.0	0.0
100	Pl2 BPSK	270	0			23.20		
100	QPSK	1	1			23.36		
100	QPSK	1	137			23.28	24.0	0.0
100	QPSK	1	271			23.24		
100	QPSK	135	0			23.24	24.0	0.0
100	QPSK	135	69			23.29	24.0	0.0
100	QPSK	135	138			23.24	24.0	0.0
100	QPSK	270	0			23.23		
100	16QAM	1	1			23.21	24.0	0.0
100	64QAM	1	1			22.32	23.0	1.0
100	256QAM	1	1			20.50	21.0	3.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
80	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
80	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
70	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
60	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
50	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
40	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
30	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
20	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
15	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
10	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0



Part27Q n77 PC2 Ant 0

BW (MHz)	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		3500.01			
100	PI2 BPSK	1	137		20.35			
100	PI2 BPSK	1	271		20.39		27.0	0.0
100	PI2 BPSK	1	271		20.38			
100	PI2 BPSK	135	0		20.33		27.0	0.0
100	PI2 BPSK	135	69		20.29		27.0	0.0
100	PI2 BPSK	135	138		20.35		27.0	0.0
100	PI2 BPSK	270	0		20.38			
100	QPSK	1	1		20.46			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.31		27.0	0.0
100	QPSK	135	0		20.29		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.26		27.0	0.0
100	QPSK	270	0		20.40			
100	16QAM	1	1		20.29		27.0	0.0
100	64QAM	1	1		20.06		26.5	0.5
100	256QAM	1	1		24.11		24.5	2.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
80	QPSK	1	1	20.30	20.34	20.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.38	20.40	20.29	27.0	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	20.30	20.39	20.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.36	20.31	20.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631863	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.38	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	20.42	20.36	20.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.32	20.33	20.43	27.0	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	20.36	20.38	20.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.42	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	20.35	20.31	20.34	27.0	0.0



Part270 n78 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		22.0	2.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.75	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.52	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.83	22.73	22.72	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

Part270 n78 PC2 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.85	25.94	25.87	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.92	25.92	25.85	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	0.0

Part270 n78 Ant 0

BW (MHz)	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)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.15	23.19	23.25	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.24	23.27	23.16	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.19	23.25	24.0	0.0



Part27Q n78 PC2 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel					3000.01			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.24			27.0	0.0
100	PI2 BPSK	1	137	28.33				
100	PI2 BPSK	1	271	28.28				
100	PI2 BPSK	135	0	28.22			27.0	0.0
100	PI2 BPSK	135	69	28.32			27.0	0.0
100	PI2 BPSK	135	138	28.27			27.0	0.0
100	PI2 BPSK	270	0	28.25				
100	QPSK	1	1	28.38			27.0	0.0
100	QPSK	1	137	28.25				
100	QPSK	1	271	28.25				
100	QPSK	135	0	28.30			27.0	0.0
100	QPSK	135	69	28.35			27.0	0.0
100	QPSK	135	138	28.32			27.0	0.0
100	QPSK	270	0	28.23				
100	16QAM	1	1	28.18			27.0	0.0
100	64QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.16			23.5	3.5
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	28.16	28.26	28.22	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3500.01	3520		
80	QPSK	1	1	28.24	28.24	28.24	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	28.22	28.29	28.29	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3500.02		
60	QPSK	1	1	28.20	28.26	28.16	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	28.28	28.29	28.28	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3500.01	3520.01		
40	QPSK	1	1	28.18	28.23	28.29	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	28.24	28.34	28.29	27.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	28.22	28.27	28.20	27.0	0.0
Channel				630500	633334	636334		
Frequency (MHz)				3475.01	3500.01	3542.02		
15	QPSK	1	1	28.18	28.35	28.28	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3500.01	3540.01		
10	QPSK	1	1	28.25	28.32	28.27	27.0	0.0



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				370000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.38	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.40	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.30	19.41	19.29	22.0	1.0	
Channel									
				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	22.0	1.0	
Channel									
				162000	162500	163000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	22.18	22.23	22.14			
40	PI2 BPSK	1	108	22.07	22.14	22.00	23.0	0.0	
40	PI2 BPSK	1	214	22.06	22.11	21.99			
40	PI2 BPSK	108	0	22.03	22.17	22.10	23.0	0.0	
40	PI2 BPSK	108	54	22.09	22.21	22.13	23.0	0.0	
40	PI2 BPSK	108	108	22.08	22.16	22.04	23.0	0.0	
40	PI2 BPSK	216	0	22.14	22.20	22.16			
40	QPSK	1	1	22.13	22.26	22.21			
40	QPSK	1	108	22.08	22.20	22.17	23.0	0.0	
40	QPSK	1	214	22.11	22.14	22.09			
40	QPSK	108	0	21.97	22.10	21.97	23.0	0.0	
40	QPSK	108	54	22.14	22.17	22.07	23.0	0.0	
40	QPSK	108	108	21.93	22.02	21.94	23.0	0.0	
40	QPSK	216	0	21.94	22.05	22.04			
40	16QAM	1	1	21.69	21.83	21.76	22.0	1.0	
40	64QAM	1	1	21.05	21.09	20.96	22.0	1.0	
40	256QAM	1	1	19.33	19.63	19.96	20.0	1.0	
Channel									
				502000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.15	22.15	22.11	23.0	0.0	
Channel									
				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	22.11	22.20	22.14	23.0	0.0	
Channel									
				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	PI2 BPSK	1	1	22.08	22.11	22.18	23.0	0.0	
Channel									
				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.07	22.18	22.10	23.0	0.0	
Channel									
				501500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.11	22.21	22.11	23.0	0.0	
Channel									
				500500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.13	22.22	22.15	23.0	0.0	



n12 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141600	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	21.62	21.66	21.76			
15	PI2 BPSK	1	49	21.64	21.71	21.80	23.0	0.0	
15	PI2 BPSK	1	77	21.49	21.59	21.46			
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0	
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0	
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0	
15	PI2 BPSK	75	0	21.71	21.79	21.70			
15	QPSK	1	1	21.87	21.95	21.82			
15	QPSK	1	49	21.76	21.83	21.74	23.0	0.0	
15	QPSK	1	77	21.70	21.79	21.97			
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0	
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0	
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0	
15	QPSK	75	0	21.72	21.76	21.74			
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0	
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0	
15	256QAM	1	1	19.33	19.41	19.29	23.0	3.0	
Channel				142000	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	21.82	21.88	21.69	23.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)	
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0	

n13 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				156400	156400				
Frequency (MHz)				782					
10	PI2 BPSK	1	1	21.84					
10	PI2 BPSK	1	26	21.79			23.0	0.0	
10	PI2 BPSK	1	50	21.72					
10	PI2 BPSK	25	0	20.93			22.5	0.5	
10	PI2 BPSK	25	14	21.86			23.0	0.0	
10	PI2 BPSK	25	27	21.76			22.5	0.5	
10	PI2 BPSK	50	0	21.81					
10	QPSK	1	1	21.94					
10	QPSK	1	26	21.87			23.0	0.0	
10	QPSK	1	50	21.83					
10	QPSK	25	0	20.89			22.0	1.0	
10	QPSK	25	14	21.89			23.0	0.0	
10	QPSK	25	27	21.13			22.0	1.0	
10	QPSK	50	0	21.16					
10	16QAM	1	1	20.71			22.0	1.0	
10	64QAM	1	1	19.53			20.5	2.5	
10	256QAM	1	1	18.22			18.5	4.5	
Channel				150900	150400	150900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5	(dBm)	(dB)	
5	QPSK	1	1	21.80	21.87	21.81	23.0	0.0	

n14 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				158100	158100				
Frequency (MHz)				793					
10	PI2 BPSK	1	1	21.98					
10	PI2 BPSK	1	26	21.90			23.0	0.0	
10	PI2 BPSK	1	50	21.86					
10	PI2 BPSK	25	0	21.89			23.0	0.0	
10	PI2 BPSK	25	14	21.95			23.0	0.0	
10	PI2 BPSK	25	27	21.86			23.0	0.0	
10	PI2 BPSK	50	0	21.93					
10	QPSK	1	1	22.04					
10	QPSK	1	26	22.01			23.0	0.0	
10	QPSK	1	50	21.96					
10	QPSK	25	0	21.94			23.0	0.0	
10	QPSK	25	14	21.99			23.0	0.0	
10	QPSK	25	27	21.87			23.0	0.0	
10	QPSK	50	0	21.94					
10	16QAM	1	1	21.88			23.0	0.0	
10	64QAM	1	1	20.85			22.0	1.0	
10	256QAM	1	1	19.09			20.0	3.0	
Channel				158100	158100	158100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5	(dBm)	(dB)	
5	QPSK	1	1	21.93	21.98	21.91	23.0	0.0	



n25 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				374500	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	21.39	21.43	21.33		
40	PI2 BPSK	1	108	21.32	21.37	21.22	23.0	0.0
40	PI2 BPSK	1	214	21.34	21.40	21.28		
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0
40	PI2 BPSK	108	54	21.38	21.40	21.38	23.0	0.0
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0
40	PI2 BPSK	216	0	21.28	21.38	21.26		
40	QPSK	1	1	21.49	21.52	21.45		
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0
40	QPSK	1	214	21.30	21.42	21.34		
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0
40	QPSK	216	0	21.38	21.44	21.33		
40	16QAM	1	1	21.33	21.37	21.26	23.0	0.0
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0
40	256QAM	1	1	19.07	19.13	19.00	20.0	3.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1892.5		
25	QPSK	1	1	21.35	21.41	21.39	23.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1902		
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.34	21.40	21.31	23.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.36	21.43	21.38	23.0	0.0

n26 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.07	22.11	22.02		
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0
20	PI2 BPSK	1	104	21.85	21.91	21.80		
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0
20	PI2 BPSK	50	26	21.94	22.06	21.94	23.0	0.0
20	PI2 BPSK	50	55	21.83	21.91	21.81	23.0	0.0
20	PI2 BPSK	100	0	21.92	22.01	21.95		
20	QPSK	1	1	22.03	22.15	22.04		
20	QPSK	1	53	21.89	22.00	22.07	23.0	0.0
20	QPSK	1	104	21.91	22.05	21.94		
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0
20	QPSK	50	56	21.92	21.99	21.93	23.0	0.0
20	QPSK	100	0	22.02	22.08	21.94		
20	16QAM	1	1	21.64	21.75	21.69	23.0	0.0
20	64QAM	1	1	20.96	21.11	21.08	22.0	1.0
20	256QAM	1	1	19.32	19.41	19.32	20.0	3.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				818	831.5	844		
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815	831.5	846.5		
5	QPSK	1	1	21.95	22.01	21.91	23.0	0.0



n30 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	2173	2210				
10	PI/2 BPSK	1	26	2179			23.0	0.0	
10	PI/2 BPSK	1	50	2173					
10	PI/2 BPSK	25	0	2169			23.0	0.0	
10	PI/2 BPSK	25	14	2169			23.0	0.0	
10	PI/2 BPSK	25	27	2168			23.0	0.0	
10	PI/2 BPSK	50	0	2165					
10	QPSK	1	1	2185					
10	QPSK	1	26	2181			23.0	0.0	
10	QPSK	1	50	2174					
10	QPSK	25	0	2171			23.0	0.0	
10	QPSK	25	14	2181			23.0	0.0	
10	QPSK	25	27	2167			23.0	0.0	
10	QPSK	50	0	2172			23.0	0.0	
10	16QAM	1	1	2169			23.0	0.0	
10	64QAM	1	1	2073			22.0	1.0	
10	256QAM	1	1	1837			22.0	3.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	2179	2178	2179	23.0	0.0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	2167	2173	2181			
40	PI/2 BPSK	1	108	2149	2181	2155	23.0	0.0	
40	PI/2 BPSK	1	214	2158	2183	2180			
40	PI/2 BPSK	108	0	2150	2159	2148	23.0	0.0	
40	PI/2 BPSK	108	54	2185	2170	2156	23.0	0.0	
40	PI/2 BPSK	108	108	2150	2158	2152	23.0	0.0	
40	PI/2 BPSK	216	0	2159	2164	2152			
40	QPSK	1	1	2167	2179	2174			
40	QPSK	1	108	2182	2172	2183	23.0	0.0	
40	QPSK	1	214	2157	2187	2154			
40	QPSK	108	0	2157	2182	2157	23.0	0.0	
40	QPSK	108	54	2182	2174	2180	23.0	0.0	
40	QPSK	108	108	2180	2188	2155	23.0	0.0	
40	QPSK	216	0	2167	2171	2184			
40	16QAM	1	1	2152	2183	2152	23.0	0.0	
40	64QAM	1	1	2082	2097	2093	22.0	1.0	
40	256QAM	1	1	1932	1977	1988	22.0	3.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2184	2170	2180	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	2184	2187	2183	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	2184	2175	2184	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	2180	2173	2182	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	2152	2171	2188	23.0	0.0	

n70 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	2192	2192.5				
15	PI/2 BPSK	1	40	2187			23.0	0.0	
15	PI/2 BPSK	1	77	2182					
15	PI/2 BPSK	36	0	2134			22.5	0.5	
15	PI/2 BPSK	36	22	2186			23.0	0.0	
15	PI/2 BPSK	36	43	2126			22.5	0.5	
15	PI/2 BPSK	75	0	2132					
15	QPSK	1	1	2195					
15	QPSK	1	40	2183			23.0	0.0	
15	QPSK	1	77	2186					
15	QPSK	36	0	2135			22.0	1.0	
15	QPSK	36	22	2188			23.0	0.0	
15	QPSK	36	43	2140			22.0	1.0	
15	QPSK	75	0	2132					
15	16QAM	1	1	2134			22.0	1.0	
15	64QAM	1	1	1988			20.5	2.5	
15	256QAM	1	1	1752			18.5	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	2184	2192.5	2195	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	2181	2188	2183	23.0	0.0	



n71 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.07	22.18	22.14		
20	PI/2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI/2 BPSK	1	104	21.91	22.06	21.99		
20	PI/2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI/2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI/2 BPSK	50	56	22.03	22.07	21.98		
20	PI/2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.16	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	56	21.91	22.06	21.99	23.0	0.0
20	QPSK	100	0	22.03	22.13	21.99		
20	16QAM	1	1	21.96	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.99	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.49	19.42	23.0	3.0
Channel				133100	133100	133100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688	690.5	693		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				690.5	691.5	692.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				517002	519000	520998			
Frequency (MHz)				2562.01	2595	2624.99			
30	PI2 BPSK	1	1	22.40	22.44	22.35			
30	PI2 BPSK	1	49	22.26	22.39	22.36	23.0	0.0	
30	PI2 BPSK	1	76	22.13	22.27	22.12			
30	PI2 BPSK	36	0	22.30	22.42	22.29	23.0	0.0	
30	PI2 BPSK	36	21	22.34	22.39	22.29	23.0	0.0	
30	PI2 BPSK	36	42	22.23	22.35	22.30	23.0	0.0	
30	PI2 BPSK	76	0	22.33	22.38	22.33	23.0	0.0	
30	QPSK	1	1	22.41	22.53	22.47			
30	QPSK	1	49	22.30	22.42	22.33	23.0	0.0	
30	QPSK	1	76	22.41	22.45	22.39			
30	QPSK	36	0	22.29	22.41	22.38	23.0	0.0	
30	QPSK	36	21	22.37	22.46	22.40	23.0	0.0	
30	QPSK	36	42	22.28	22.32	22.26	23.0	0.0	
30	QPSK	76	0	22.33	22.38	22.38	23.0	0.0	
30	16QAM	1	1	22.26	22.39	22.27	23.0	0.0	
30	64QAM	1	1	20.74	20.89	20.83	21.5	1.5	
30	256QAM	1	1	19.09	19.21	19.03	18.5	3.5	
Channel				515004	519000	524996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2627.48			
25	QPSK	1	1	22.28	22.49	22.43	23.0	0.0	
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2560	2595	2610			
20	QPSK	1	1	22.29	22.39	22.37	23.0	0.0	
Channel				515002	519000	524998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
16	QPSK	1	1	22.30	22.41	22.34	23.0	0.0	
Channel				515004	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2573.02	2595	2614.98			
10	QPSK	1	1	22.28	22.47	22.35	23.0	0.0	

n41 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518998	529998			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	21.52	22.04	21.97			
100	PI2 BPSK	1	137	21.90	21.98	21.88	23.0	0.0	
100	PI2 BPSK	1	271	21.86	21.95	21.89			
100	PI2 BPSK	136	0	21.42	21.45	21.38	22.5	0.5	
100	PI2 BPSK	136	69	21.93	22.02	21.88	23.0	0.0	
100	PI2 BPSK	136	138	21.37	21.49	21.41	22.5	0.5	
100	PI2 BPSK	270	0	21.31	21.40	21.36			
100	QPSK	1	1	21.98	22.07	22.03			
100	QPSK	1	197	21.95	22.01	21.87	23.0	0.0	
100	QPSK	1	271	21.94	21.92	21.89			
100	QPSK	136	0	20.01	21.06	20.90	22.0	1.0	
100	QPSK	136	69	21.94	22.02	21.99	23.0	0.0	
100	QPSK	136	138	20.96	20.89	20.78	22.0	1.0	
100	QPSK	270	0	20.76	20.95	20.87	22.0	1.0	
100	16QAM	1	1	20.81	20.96	20.80	22.0	1.0	
100	64QAM	1	1	19.19	19.32	19.28	20.5	2.5	
100	256QAM	1	1	17.48	17.56	17.41	18.5	4.5	
Channel				509200	518998	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.93	22.04	21.99	23.0	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	1	21.95	21.95	21.90	23.0	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.99	22.00	21.90	23.0	0.0	
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.88	22.00	21.93	23.0	0.0	
Channel				503202	518998	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.88	21.98	21.98	23.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	21.92	21.97	21.89	23.0	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.95	22.01	21.92	23.0	0.0	
Channel				501204	518998	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.87	21.92	21.92	23.0	0.0	



n41 PC2 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	526000		
Frequency (MHz)				2544.01	2592.99	2540		
100	PI2 BPSK	1	1	25.17	25.21	25.09		
100	PI2 BPSK	1	137	25.07	25.17	25.04	26.0	0.0
100	PI2 BPSK	1	271	25.00	25.11	25.02		
100	PI2 BPSK	135	0	24.90	25.02	24.95	26.0	0.0
100	PI2 BPSK	135	69	25.03	25.14	25.08	26.0	0.0
100	PI2 BPSK	135	138	24.97	25.07	24.95	26.0	0.0
100	PI2 BPSK	270	0	25.03	25.11	25.00		
100	QPSK	1	1	25.25	25.28	25.16		
100	QPSK	1	137	25.16	25.20	25.08	26.0	0.0
100	QPSK	1	271	25.09	25.15	25.07		
100	QPSK	135	0	24.83	24.88	24.81	25.5	0.5
100	QPSK	135	69	25.21	25.23	25.12	26.0	0.0
100	QPSK	135	138	24.80	24.71	24.56	25.5	0.5
100	QPSK	270	0	24.84	24.80	24.59		
100	16QAM	1	1	24.47	24.61	24.50	25.5	0.5
100	64QAM	1	1	22.93	23.04	22.91	24.0	2.0
100	256QAM	1	1	20.92	21.04	20.90	22.0	4.0
Channel				510000	519598	529000		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.14	25.15	25.03	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2644.99		
80	QPSK	1	1	25.18	25.14	25.05	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2595		
70	QPSK	1	1	25.21	25.13	25.03	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2458	2592.99	2659.98		
60	QPSK	1	1	25.22	25.22	25.02	26.0	0.0
Channel				510204	518598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.17	25.17	25.10	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2592		
40	QPSK	1	1	25.15	25.25	25.03	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.20	25.14	25.01	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	25.16	25.21	25.01	26.0	0.0

n48 Part96 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	23.65	23.66	23.63		
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0
40	PI2 BPSK	1	104	23.49	23.62	23.45		
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5
40	PI2 BPSK	50	26	23.53	23.67	23.56	24.0	0.0
40	PI2 BPSK	50	55	23.14	23.18	23.14	23.5	0.5
40	PI2 BPSK	100	0	23.14	23.22	23.22		
40	QPSK	1	1	23.65	23.73	23.56		
40	QPSK	1	53	23.54	23.62	23.60	24.0	0.0
40	QPSK	1	104	23.41	23.62	23.51		
40	QPSK	50	0	22.85	22.82	22.64	23.0	1.0
40	QPSK	50	28	23.80	23.70	23.47	24.0	0.0
40	QPSK	50	56	22.57	22.69	22.64	23.0	1.0
40	QPSK	100	0	22.63	22.62	22.71		
40	16QAM	1	1	22.56	22.67	22.58	23.0	1.0
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5
40	256QAM	1	1	19.17	19.35	19.25	19.5	4.5
Channel				637000	641666	646332		
Frequency (MHz)				3665.02	3634.99	3684.99		
30	QPSK	1	1	23.16	23.22	23.03	24.0	0.0
Channel				637304	641666	646000		
Frequency (MHz)				3662.01	3624.99	3660		
20	QPSK	1	1	23.16	23.19	23.05	24.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	23.16	23.20	23.05	24.0	0.0



Part270 n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000		
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	654834		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

Part270 n77 PC2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.84	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.83	25.70	25.86	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	653000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	653334		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	654000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	654834		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000		
10	QPSK	1	1	25.80	25.87	25.72	27.0	0.0

Part270Q n77 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	Pl2 BPSK	1	1			22.41		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			22.88	23.5	0.5
100	Pl2 BPSK	135	69			23.08	24.0	0.0
100	Pl2 BPSK	135	138			22.81	23.5	0.5
100	Pl2 BPSK	270	0			22.74		
100	QPSK	1	1			23.45		
100	QPSK	1	137			23.30	24.0	0.0
100	QPSK	1	271			23.35		
100	QPSK	135	0			23.43	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.56	23.0	1.0
100	QPSK	270	0			22.53		
100	16QAM	1	1			22.15	21.5	2.5
100	64QAM	1	1			20.84	19.5	4.5
100	256QAM	1	1			18.96	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.29	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.01		
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



Part27Q n77 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	16Q BPSK	1	1		3500.01			
100	16Q BPSK	1	137		20.54			
100	16Q BPSK	1	271		20.32		27.0	0.0
100	16Q BPSK	135	0		20.51			
100	16Q BPSK	135	69		20.34		27.0	0.0
100	16Q BPSK	135	138		20.44		27.0	0.0
100	16Q BPSK	270	0		20.18		27.0	0.0
100	16Q BPSK	270	0		20.27			
100	QPSK	1	1		20.00			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.30		27.0	0.0
100	QPSK	135	0		20.58		26.5	0.5
100	QPSK	135	69		20.42		27.0	0.0
100	QPSK	135	138		20.50		26.5	0.5
100	QPSK	270	0		20.15		27.0	0.0
100	16QAM	1	1		20.02		26.5	0.5
100	16QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
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	20.47	20.46	20.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.48	20.58	20.53	27.0	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	20.50	20.51	20.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.47	20.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631803	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.45	20.43	27.0	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	20.54	20.51	20.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.56	20.52	20.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.58	20.57	20.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	633100	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.57	20.58	20.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	20.50	20.45	20.55	27.0	0.0



Part270 n78 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		22.90		24.0	0.0
100	PI2 BPSK	1	271		22.85			
100	PI2 BPSK	1	271		22.81			
100	PI2 BPSK	135	0		22.33		23.5	0.5
100	PI2 BPSK	135	69		22.86		24.0	0.0
100	PI2 BPSK	135	138		22.32		23.5	0.5
100	PI2 BPSK	270	0		22.40			
100	QPSK	1	1		22.91		24.0	0.0
100	QPSK	1	137		22.83			
100	QPSK	1	271		22.72			
100	QPSK	135	0		22.05		23.0	1.0
100	QPSK	135	69		22.82		24.0	0.0
100	QPSK	135	138		21.90		23.0	1.0
100	QPSK	270	0		21.93			
100	16QAM	1	1		21.71		21.5	2.5
100	64QAM	1	1		20.36		19.5	4.5
100	256QAM	1	1		18.03		17.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64098	65000	65334	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.88	22.85	22.86	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.87	22.78	22.86	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65200	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65268	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.90	22.75	22.86	24.0	0.0

Part270 n78 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		25.90		27.0	0.0
100	PI2 BPSK	1	271		25.74			
100	PI2 BPSK	1	271		25.70			
100	PI2 BPSK	135	0		25.79		27.0	0.0
100	PI2 BPSK	135	69		25.87		27.0	0.0
100	PI2 BPSK	135	138		25.75		27.0	0.0
100	PI2 BPSK	270	0		25.78			
100	QPSK	1	1		25.94		27.0	0.0
100	QPSK	1	137		25.86			
100	QPSK	1	271		25.89			
100	QPSK	135	0		25.64		26.5	0.5
100	QPSK	135	69		25.88		27.0	0.0
100	QPSK	135	138		25.40		26.5	0.5
100	QPSK	270	0		25.92			
100	16QAM	1	1		25.40		25.0	0.5
100	64QAM	1	1		23.91		23.0	2.0
100	256QAM	1	1		22.07		22.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64988	65000	65334	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.91	25.90	25.91	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.85	25.80	25.78	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65200	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	64800	65000	65200	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.83	25.87	25.87	27.0	0.0

Part27Q n78 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3500.01				
100	PI2 BPSK	1	137		23.30		24.0	0.0
100	PI2 BPSK	1	271		23.29			
100	PI2 BPSK	1	271		23.46			
100	PI2 BPSK	135	0		23.09		23.5	0.5
100	PI2 BPSK	135	69		23.33		24.0	0.0
100	PI2 BPSK	135	138		22.99		23.5	0.5
100	PI2 BPSK	270	0		23.12			
100	QPSK	1	1		23.41		24.0	0.0
100	QPSK	1	137		23.19			
100	QPSK	1	271		23.35			
100	QPSK	135	0		22.71		23.0	1.0
100	QPSK	135	69		23.40		24.0	0.0
100	QPSK	135	138		22.81		23.0	1.0
100	QPSK	270	0		22.96			
100	16QAM	1	1		22.37		21.5	2.5
100	64QAM	1	1		21.25		19.5	4.5
100	256QAM	1	1		18.31		17.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63068	63334	63400	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.28	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3485.01	3500.01	3515.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63000	63334	63668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63500	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.32	23.34	23.38	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63100	63334	63500	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3475.02	3500.01	3525.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	63000	63334	63668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465.02	3500.01	3540.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	62834	63334	63600	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.33	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	62800	63334	63800	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	3460.02	3500.01	3540.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	62634	63334	63834	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.25	23.25	23.25	24.0	0.0



Part27Q n78 PC2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel					3000.01			
Frequency (MHz)					3243			
100	PI2 BPSK	1	1		26.12		27.0	0.0
100	PI2 BPSK	1	137		26.39			
100	PI2 BPSK	1	271		26.23		27.0	0.0
100	PI2 BPSK	135	0		26.60		27.0	0.0
100	PI2 BPSK	135	69		26.12		27.0	0.0
100	PI2 BPSK	135	138		25.96			
100	PI2 BPSK	270	0		26.51			
100	QPSK	1	1		26.27		27.0	0.0
100	QPSK	1	137		26.40			
100	QPSK	1	271		25.81		26.5	0.5
100	QPSK	135	0		26.30		27.0	0.0
100	QPSK	135	69		26.69		26.5	0.5
100	QPSK	135	138		25.95			
100	16QAM	1	1		25.76		26.5	0.5
100	64QAM	1	1		24.17		25.0	2.0
100	256QAM	1	1		22.12		23.0	4.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	26.47	26.36	26.41	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3500.01	3520		
80	QPSK	1	1	26.41	26.40	26.45	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.47	26.47	26.37	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	26.35	26.37	26.47	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.49	26.48	26.48	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3500.01	3520.01		
40	QPSK	1	1	26.41	26.43	26.47	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	26.38	26.47	26.42	27.0	0.0
Channel				630568	633334	635900		
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	26.47	26.44	26.41	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475.01	3500.01	3542.02		
15	QPSK	1	1	26.45	26.49	26.47	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3500.01	3543.01		
10	QPSK	1	1	26.36	26.47	26.43	27.0	0.0



n2 Default Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				1660	1680	1690				
20	PI2 BPSK	1	1	21.50	21.62	21.58	23.0	0.0		
20	PI2 BPSK	1	53	21.45	21.58	21.44				
20	PI2 BPSK	1	104	21.46	21.50	21.35				
20	PI2 BPSK	50	0	21.40	21.44	21.31	23.0	0.0		
20	PI2 BPSK	50	28	21.42	21.54	21.42	23.0	0.0		
20	PI2 BPSK	50	56	21.44	21.49	21.44	23.0	0.0		
20	PI2 BPSK	100	0	21.46	21.51	21.39	23.0	0.0		
20	QPSK	1	1	21.54	21.66	21.57				
20	QPSK	1	53	21.61	21.64	21.54	23.0	0.0		
20	QPSK	1	104	21.68	21.55	21.63				
20	QPSK	50	0	21.50	21.59	21.46	23.0	0.0		
20	QPSK	50	28	21.51	21.61	21.49	23.0	0.0		
20	QPSK	50	56	21.39	21.52	21.49	23.0	0.0		
20	QPSK	100	0	21.46	21.55	21.44	23.0	0.0		
20	16QAM	1	1	21.33	21.46	21.32	23.0	0.0		
20	64QAM	1	1	20.63	20.70	20.57	22.0	1.0		
20	256QAM	1	1	18.54	18.01	18.48	23.0	3.0		
Channel										
Frequency (MHz)				1897.5	1880	1902.5				
15	QPSK	1	1	21.49	21.61	21.51	23.0	0.0		
Channel										
Frequency (MHz)				37000	376000	381000				
10	QPSK	1	1	21.40	21.60	21.53	23.0	0.0		
Channel										
Frequency (MHz)				370500	376000	381500				
5	QPSK	1	1	21.43	21.58	21.54	23.0	0.0		

n5 Default Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				166800	167300	167800				
20	PI2 BPSK	1	1	22.58	22.62	22.53	24.0	0.0		
20	PI2 BPSK	1	53	22.42	22.53	22.49				
20	PI2 BPSK	1	104	22.38	22.46	22.34				
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0		
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0		
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0		
20	PI2 BPSK	100	0	22.44	22.50	22.38	24.0	0.0		
20	QPSK	1	1	22.61	22.65	22.59				
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0		
20	QPSK	1	104	22.43	22.48	22.34				
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0		
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0		
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0		
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0		
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0		
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0		
20	256QAM	1	1	21.71	21.81	21.73	23.0	3.0		
Channel										
Frequency (MHz)				163300	163300	163300				
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0		
Channel										
Frequency (MHz)				166800	167300	168300				
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0		
Channel										
Frequency (MHz)				166800	167300	168300				
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0		

n7 DS16_Simultaneous Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				506000	507000	510000				
40	PI2 BPSK	1	1	19.85	19.98	19.83				
40	PI2 BPSK	1	108	19.96	20.00	19.94	20.9	0.0		
40	PI2 BPSK	1	214	19.85	20.02	19.94				
40	PI2 BPSK	108	0	19.84	19.87	19.86	20.9	0.0		
40	PI2 BPSK	108	84	19.99	20.02	19.91	20.9	0.0		
40	PI2 BPSK	108	168	19.98	20.04	19.92	20.9	0.0		
40	PI2 BPSK	216	0	19.94	19.99	19.92				
40	QPSK	1	1	19.91	20.06	19.96				
40	QPSK	1	108	19.78	19.86	19.84	20.9	0.0		
40	QPSK	1	214	19.94	19.93					
40	QPSK	108	0	19.82	19.89	19.78	20.9	0.0		
40	QPSK	108	84	19.87	19.88	19.84	20.9	0.0		
40	QPSK	108	168	19.81	19.90	19.78	20.9	0.0		
40	QPSK	216	0	19.94	20.00	19.92				
40	16QAM	1	1	19.98	20.02	19.91	20.9	0.0		
40	64QAM	1	1	19.85	19.96	19.91	20.9	0.0		
40	256QAM	1	1	18.78	18.86	18.88	20.0	3.0		
Channel										
Frequency (MHz)				520000	521000	521000				
30	QPSK	1	1	19.79	19.98	19.90	20.9	0.0		
Channel										
Frequency (MHz)				502500	507000	511500				
25	QPSK	1	1	19.88	19.94	19.82	20.9	0.0		
Channel										
Frequency (MHz)				502000	507000	512000				
20	PI2 BPSK	1	1	19.78	19.89	19.84	20.9	0.0		
Channel										
Frequency (MHz)				501500	507000	512500				
15	QPSK	1	1	19.75	19.98	19.84	20.0	0.0		
Channel										
Frequency (MHz)				520500	521000	521500				
10	QPSK	1	1	19.77	19.90	19.89	20.9	0.0		
Channel										
Frequency (MHz)				500500	507000	513000				
5	QPSK	1	1	19.83	19.90	19.83	20.9	0.0		



n25 Default Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				1870	1882.5	1895				
40	PI/2 BPSK	1	1	21.48	21.53	21.44				
40	PI/2 BPSK	1	108	21.32	21.41	21.36	23.0	0.0		
40	PI/2 BPSK	1	214	21.32	21.43	21.34				
40	PI/2 BPSK	108	0	21.42	21.52	21.45	23.0	0.0		
40	PI/2 BPSK	108	54	21.39	21.46	21.43	23.0	0.0		
40	PI/2 BPSK	108	108	21.38	21.45	21.39	23.0	0.0		
40	PI/2 BPSK	216	0	21.33	21.41	21.28				
40	QPSK	1	1	21.62	21.66	21.57				
40	QPSK	1	108	21.43	21.54	21.49	23.0	0.0		
40	QPSK	1	214	21.41	21.48	21.40				
40	QPSK	108	0	21.48	21.55	21.47	23.0	0.0		
40	QPSK	108	54	21.53	21.58	21.48	23.0	0.0		
40	QPSK	108	108	21.38	21.46	21.39	23.0	0.0		
40	QPSK	216	0	21.47	21.51	21.43				
40	16QAM	1	1	21.23	21.32	21.18	23.0	0.0		
40	64QAM	1	1	20.43	20.47	20.35	22.0	1.0		
40	256QAM	1	1	18.58	18.07	18.68	23.0	3.0		
Channel										
Frequency (MHz)				1885	1892.5	1900				
30	QPSK	1	1	21.50	21.52	21.45	23.0	0.0		
Channel										
Frequency (MHz)				372000	376500	380500				
25	QPSK	1	1	21.55	21.61	21.47	23.0	0.0		
Channel										
Frequency (MHz)				372000	376500	381000				
20	QPSK	1	1	21.53	21.58	21.44	23.0	0.0		
Channel										
Frequency (MHz)				371500	376500	381500				
15	QPSK	1	1	21.56	21.62	21.49	23.0	0.0		
Channel										
Frequency (MHz)				1885	1892.5	1910				
10	QPSK	1	1	21.55	21.57	21.53	23.0	0.0		
Channel										
Frequency (MHz)				370500	376500	380500				
5	QPSK	1	1	21.48	21.56	21.52	23.0	0.0		

n30 DSI6_Simultaneous Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)					2310					
10	PI/2 BPSK	1	1		19.41					
10	PI/2 BPSK	1	26		19.39		20.6	0.0		
10	PI/2 BPSK	1	50		19.36					
10	PI/2 BPSK	25	0		19.42		20.6	0.0		
10	PI/2 BPSK	25	14		19.43		20.6	0.0		
10	PI/2 BPSK	25	27		19.31		20.6	0.0		
10	PI/2 BPSK	50	0		19.33					
10	QPSK	1	1		19.45					
10	QPSK	1	26		19.37		20.6	0.0		
10	QPSK	1	50		19.30					
10	QPSK	25	0		19.31		20.6	0.0		
10	QPSK	25	14		19.34		20.6	0.0		
10	QPSK	25	27		19.29		20.6	0.0		
10	QPSK	50	0		19.31					
10	16QAM	1	1		19.41		20.6	0.0		
10	64QAM	1	1		19.30		20.6	0.0		
10	256QAM	1	1		18.41		23.0	0.6		
Channel										
Frequency (MHz)				461900	462000	462500				
5	QPSK	1	1	19.28	19.32	19.44	20.6	0.0		

n66 Default Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				1730	1745	1760				
40	PI/2 BPSK	1	1	22.01	22.11	22.07				
40	PI/2 BPSK	1	108	21.97	22.07	21.94	23.0	0.0		
40	PI/2 BPSK	1	214	21.90	21.96	21.82				
40	PI/2 BPSK	108	0	21.77	21.90	21.86	23.0	0.0		
40	PI/2 BPSK	108	54	21.94	22.05	22.01	23.0	0.0		
40	PI/2 BPSK	108	108	21.85	21.89	21.82	23.0	0.0		
40	PI/2 BPSK	216	0	21.84	21.95	21.83				
40	QPSK	1	1	22.08	22.18	22.01				
40	QPSK	1	108	22.05	22.12	22.06	23.0	0.0		
40	QPSK	1	214	22.02	22.07	22.00				
40	QPSK	108	0	21.81	21.93	21.83	23.0	0.0		
40	QPSK	108	54	21.95	21.99	21.86	23.0	0.0		
40	QPSK	108	108	21.87	21.93	21.80	23.0	0.0		
40	QPSK	216	0	21.92	21.98	21.82				
40	16QAM	1	1	21.88	21.91	21.78	23.0	0.0		
40	64QAM	1	1	20.61	20.73	20.66	22.0	1.0		
40	256QAM	1	1	18.34	18.49	18.38	23.0	3.0		
Channel										
Frequency (MHz)				345000	349000	353000				
30	QPSK	1	1	21.96	22.14	21.87	23.0	0.0		
Channel										
Frequency (MHz)				345000	349000	354000				
20	QPSK	1	1	21.99	22.10	21.90	23.0	0.0		
Channel										
Frequency (MHz)				345000	349000	354500				
15	QPSK	1	1	22.00	22.05	21.93	23.0	0.0		
Channel										
Frequency (MHz)				345000	349000	355000				
10	QPSK	1	1	21.98	22.07	21.86	23.0	0.0		
Channel										
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	22.01	22.04	21.91	23.0	0.0		



n70 Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					1702.5			
15	PI2 BPSK	1	1		22.08			
15	PI2 BPSK	1	40		21.95		23.0	0.0
15	PI2 BPSK	1	77		21.40			
15	PI2 BPSK	36	0		22.03		22.5	0.5
15	PI2 BPSK	36	22		22.06		23.0	0.0
15	PI2 BPSK	36	43		21.38			
15	PI2 BPSK	75	0		21.45		22.5	0.5
15	QPSK	1	1		22.11			
15	QPSK	1	40		22.06		23.0	0.0
15	QPSK	1	77		22.07			
15	QPSK	36	0		21.06		22.0	1.0
15	QPSK	36	22		22.07		23.0	0.0
15	QPSK	36	43		20.96		22.0	1.0
15	QPSK	75	0		21.14			
15	16QAM	1	1		21.18		22.0	1.0
15	16QAM	1	1		19.76		20.5	2.5
15	256QAM	1	1		17.67		18.5	4.5
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	21.98	22.04	21.97	23.0	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 DSI6_Simultaneous Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				517002	519000	520998	
Frequency (MHz)				2585.01	2595	2604.99	
30	PI2 BPSK	1	1	18.40	18.54	18.49	
30	PI2 BPSK	1	40	18.36	18.47	18.45	19.5
30	PI2 BPSK	1	76	18.55	18.59	18.50	
30	PI2 BPSK	36	0	18.47	18.52	18.40	19.5
30	PI2 BPSK	36	21	18.43	18.46	18.35	19.5
30	PI2 BPSK	36	42	18.47	18.49	18.35	
30	PI2 BPSK	75	0	18.41	18.58	18.50	19.5
30	QPSK	1	1	18.59	18.61	18.47	
30	QPSK	1	40	18.54	18.56	18.42	19.5
30	QPSK	1	76	18.41	18.46	18.35	
30	QPSK	36	0	18.52	18.56	18.53	19.5
30	QPSK	36	21	18.42	18.58	18.52	19.5
30	QPSK	36	42	18.53	18.56	18.52	
30	QPSK	75	0	18.30	18.44	18.29	19.5
30	16QAM	1	1	18.40	18.54	18.41	19.5
30	64QAM	1	1	18.35	18.50	18.43	19.5
30	256QAM	1	1	18.20	18.43	18.26	19.5
Channel				515004	519000	521496	
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	18.56	18.46	18.42	19.5
Channel				516000	519000	522000	
Frequency (MHz)				2577.51	2595	2612.49	
20	QPSK	1	1	18.47	18.58	18.35	19.5
Channel				515002	519000	522498	
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	18.44	18.51	18.42	19.5
Channel				515004	519000	522998	
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	18.53	18.56	18.43	19.5

n41 DSI6_Simultaneous Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				509002	518998	528990	
Frequency (MHz)				2540.01	2552.99	2540	
100	PI2 BPSK	1	1	18.52	18.64	18.47	
100	PI2 BPSK	1	137	18.00	18.63	18.47	19.5
100	PI2 BPSK	1	271	18.48	18.59	18.45	
100	PI2 BPSK	135	0	18.48	18.59	18.50	19.5
100	PI2 BPSK	135	69	18.51	18.54	18.38	19.5
100	PI2 BPSK	135	138	18.48	18.62	18.56	
100	PI2 BPSK	270	0	18.51	18.56	18.40	19.5
100	QPSK	1	1	18.53	18.67	18.52	
100	QPSK	1	137	18.55	18.59	18.45	19.5
100	QPSK	1	271	18.35	18.52	18.42	
100	QPSK	135	0	18.52	18.61	18.54	19.5
100	QPSK	135	69	18.54	18.64	18.58	19.5
100	QPSK	135	138	18.46	18.58	18.50	19.5
100	QPSK	270	0	18.45	18.50	18.41	19.5
100	16QAM	1	1	18.50	18.53	18.38	19.5
100	64QAM	1	1	18.45	18.48	18.43	19.5
100	256QAM	1	1	17.64	17.72	17.61	19.5
Channel				510000	518998	529998	
Frequency (MHz)				2541	2552.99	2644.98	
90	QPSK	1	1	18.46	18.60	18.41	19.5
Channel				507004	518998	529998	
Frequency (MHz)				2638.02	2652.99	2648.99	
80	QPSK	1	1	18.37	18.57	18.48	19.5
Channel				506002	518998	531000	
Frequency (MHz)				2631.01	2652.99	2665	
70	QPSK	1	1	18.43	18.53	18.40	19.5
Channel				505000	518998	531998	
Frequency (MHz)				2626	2652.99	2659.98	
60	QPSK	1	1	18.47	18.64	18.38	19.5
Channel				504004	518998	532998	
Frequency (MHz)				2621.02	2652.99	2664.99	
50	QPSK	1	1	18.46	18.57	18.40	19.5
Channel				503002	518998	534000	
Frequency (MHz)				2616.01	2652.99	2660	
40	QPSK	1	1	18.40	18.50	18.48	19.5
Channel				502000	518998	534998	
Frequency (MHz)				2511	2652.99	2674.98	
30	QPSK	1	1	18.40	18.50	18.44	19.5
Channel				501004	518998	535998	
Frequency (MHz)				2606.02	2652.99	2679.99	
20	QPSK	1	1	18.50	18.62	18.50	19.5



n41 PC2 DSI6_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	529600			
Frequency (MHz)				2544.01	2592.99	2640			
100	PI2 BPSK	1	1	21.44	21.52	21.39			
100	PI2 BPSK	1	137	21.34	21.44	21.27	22.5	0.0	
100	PI2 BPSK	1	271	21.50	21.52	21.37			
100	PI2 BPSK	135	0	21.43	21.51	21.47	22.5	0.0	
100	PI2 BPSK	135	69	21.28	21.46	21.37	22.5	0.0	
100	PI2 BPSK	135	138	21.35	21.49	21.46			
100	PI2 BPSK	270	0	21.41	21.48	21.43	22.5	0.0	
100	QPSK	1	1	21.39	21.56	21.44			
100	QPSK	1	137	21.28	21.46	21.35	22.5	0.0	
100	QPSK	1	271	21.41	21.50	21.48			
100	QPSK	135	0	21.28	21.40	21.38	22.5	0.0	
100	QPSK	135	69	21.29	21.45	21.28	22.5	0.0	
100	QPSK	135	138	21.35	21.42	21.31	22.5	0.0	
100	QPSK	270	0	21.40	21.48	21.37			
100	16QAM	1	1	21.43	21.50	21.34	22.5	0.0	
100	64QAM	1	1	21.36	21.41	21.24	22.5	0.0	
100	256QAM	1	1	20.04	20.12	20.06	22.0	0.5	
Channel				510000	519598	529598			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	21.26	21.42	21.42	22.5	0.0	
Channel				507204	518598	529598			
Frequency (MHz)				2638.02	2692.99	2648.99			
80	QPSK	1	1	21.22	21.48	21.30	22.5	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2695			
70	QPSK	1	1	21.30	21.52	21.41	22.5	0.0	
Channel				505000	518598	531996			
Frequency (MHz)				2458	2592.99	2659.98			
60	QPSK	1	1	21.30	21.41	21.30	22.5	0.0	
Channel				510000	518598	532000			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.34	21.51	21.30	22.5	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2416.01	2592.99	2690			
40	QPSK	1	1	21.32	21.46	21.33	22.5	0.0	
Channel				502000	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.42	21.52	21.25	22.5	0.0	
Channel				501004	518598	535996			
Frequency (MHz)				2606.02	2692.99	2679.99			
20	QPSK	1	1	21.32	21.41	21.30	22.5	0.0	

n48 Part96 DSI6_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	20.44	20.40	20.34			
40	PI2 BPSK	1	53	20.45	20.44	20.34	21.6	0.0	
40	PI2 BPSK	1	104	20.30	20.42	20.38			
40	PI2 BPSK	50	0	20.42	20.43	20.28	21.6	0.0	
40	PI2 BPSK	50	26	20.46	20.47	20.34	21.6	0.0	
40	PI2 BPSK	50	56	20.30	20.37	20.37	21.6	0.0	
40	PI2 BPSK	100	0	20.38	20.44	20.32			
40	QPSK	1	1	20.40	20.49	20.46			
40	QPSK	1	53	20.26	20.26	20.28	21.6	0.0	
40	QPSK	1	104	20.42	20.45	20.45			
40	QPSK	50	0	20.32	20.40	20.27	21.6	0.0	
40	QPSK	50	28	20.32	20.43	20.32	21.6	0.0	
40	QPSK	50	56	20.31	20.38	20.35	21.6	0.0	
40	QPSK	100	0	20.30	20.33	20.29			
40	16QAM	1	1	20.32	20.35	20.26	21.6	0.0	
40	64QAM	1	1	20.40	20.38	20.21	21.5	0.1	
40	256QAM	1	1	19.16	19.24	19.20	19.5	2.1	
Channel				637000	641666	645000			
Frequency (MHz)				3665.02	3694.99	3684.99			
30	QPSK	1	1	20.21	20.32	20.32	21.6	0.0	
Channel				637000	641666	646000			
Frequency (MHz)				3660.01	3624.99	3660			
20	QPSK	1	1	20.23	20.32	20.32	21.6	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3556	3624.99	3694.98			
10	QPSK	1	1	20.28	20.30	20.29	21.6	0.0	



Part270 n77 DSI6_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.41	18.56	18.43		
100	PI2 BPSK	1	137	18.43	18.57	18.46	20.0	0.0
100	PI2 BPSK	1	271	18.47	18.64	18.59		
100	PI2 BPSK	135	0	18.45	18.61	18.55	20.0	0.0
100	PI2 BPSK	135	69	18.43	18.59	18.45	20.0	0.0
100	PI2 BPSK	135	138	18.41	18.56	18.39	20.0	0.0
100	PI2 BPSK	270	0	18.52	18.56	18.50		
100	QPSK	1	1	18.56	18.74	18.67		
100	QPSK	1	137	18.63	18.69	18.56	20.0	0.0
100	QPSK	1	271	18.61	18.65	18.57		
100	QPSK	135	0	18.60	18.63	18.50	20.0	0.0
100	QPSK	135	69	18.60	18.65	18.62	20.0	0.0
100	QPSK	135	138	18.51	18.59	18.45	20.0	0.0
100	QPSK	270	0	18.50	18.56	18.51		
100	16QAM	1	1	18.42	18.57	18.54	20.0	0.0
100	64QAM	1	1	18.47	18.56	18.41	20.0	0.0
100	256QAM	1	1	18.28	18.44	18.30	19.5	0.5
Channel								
Frequency (MHz)				4496.68	4500.00	4503.32	Tune-up limit (dBm)	MPR (dB)
Channel				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.36	18.56	18.53	20.0	0.0
Channel				4493.34	4500.00	4506.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3742.01	3840	3935.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.31	18.64	18.52	20.0	0.0
Channel								
Frequency (MHz)				4490.00	4500.00	4500.00	Tune-up limit (dBm)	MPR (dB)
Channel				3735	3840	3945	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.31	18.58	18.53	20.0	0.0
Channel								
Frequency (MHz)				4496.68	4500.00	4503.32	Tune-up limit (dBm)	MPR (dB)
Channel				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.33	18.58	18.57	20.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.35	18.60	18.55	20.0	0.0
Channel								
Frequency (MHz)				4490.00	4500.00	4500.00	Tune-up limit (dBm)	MPR (dB)
Channel				3729	3840	3956	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.36	18.60	18.56	20.0	0.0
Channel								
Frequency (MHz)				4496.68	4500.00	4503.32	Tune-up limit (dBm)	MPR (dB)
Channel				3716.02	3840	3965.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.32	18.56	18.51	20.0	0.0
Channel								
Frequency (MHz)				4493.34	4500.00	4506.68	Tune-up limit (dBm)	MPR (dB)
Channel				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.37	18.63	18.56	20.0	0.0
Channel								
Frequency (MHz)				4490.00	4500.00	4500.00	Tune-up limit (dBm)	MPR (dB)
Channel				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.34	18.56	18.54	20.0	0.0
Channel								
Frequency (MHz)				4490.00	4500.00	4500.00	Tune-up limit (dBm)	MPR (dB)
Channel				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.33	18.59	18.57	20.0	0.0

Part270 n77 PC2 DSI6_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.57	21.59	21.56		
100	PI2 BPSK	1	137	21.50	21.65	21.57	23.0	0.0
100	PI2 BPSK	1	271	21.53	21.67	21.62		
100	PI2 BPSK	135	0	21.57	21.59	21.48	23.0	0.0
100	PI2 BPSK	135	69	21.50	21.62	21.52	23.0	0.0
100	PI2 BPSK	135	138	21.57	21.61	21.56	23.0	0.0
100	PI2 BPSK	270	0	21.60	21.64	21.57		
100	QPSK	1	1	21.59	21.62	21.63		
100	QPSK	1	137	21.48	21.58	21.48	23.0	0.0
100	QPSK	1	271	21.48	21.59	21.55		
100	QPSK	135	0	21.58	21.65	21.50	23.0	0.0
100	QPSK	135	69	21.60	21.73	21.64	23.0	0.0
100	QPSK	135	138	21.50	21.61	21.56	23.0	0.0
100	QPSK	270	0	21.53	21.66	21.64		
100	16QAM	1	1	21.60	21.72	21.69	23.0	0.0
100	64QAM	1	1	21.54	21.60	21.47	23.0	0.0
100	256QAM	1	1	21.46	21.51	21.36	23.0	0.0
Channel								
Frequency (MHz)				4496.68	4500.00	4503.32	Tune-up limit (dBm)	MPR (dB)
Channel				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.49	21.77	21.61	23.0	0.0
Channel								
Frequency (MHz)				4493.34	4500.00	4506.68	Tune-up limit (dBm)	MPR (dB)
Channel				3742.01	3840	3935.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.54	21.74	21.58	23.0	0.0
Channel								
Frequency (MHz)				4490.00	4500.00	4500.00	Tune-up limit (dBm)	MPR (dB)
Channel				3735	3840	3945	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.51	21.77	21.59	23.0	0.0
Channel								
Frequency (MHz)				4496.68	4500.00	4503.32	Tune-up limit (dBm)	MPR (dB)
Channel				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.57	21.79	21.61	23.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.52	21.76	21.57	23.0	0.0
Channel								
Frequency (MHz)				4490.00	4500.00	4500.00	Tune-up limit (dBm)	MPR (dB)
Channel				3729	3840	3956	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.50	21.79	21.53	23.0	0.0
Channel								
Frequency (MHz)				4496.68	4500.00	4503.32	Tune-up limit (dBm)	MPR (dB)
Channel				3716.02	3840	3965.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.53	21.80	21.58	23.0	0.0
Channel								
Frequency (MHz)				4493.34	4500.00	4506.68	Tune-up limit (dBm)	MPR (dB)
Channel				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.55	21.78	21.60	23.0	0.0
Channel								
Frequency (MHz)				4490.00	4500.00	4500.00	Tune-up limit (dBm)	MPR (dB)
Channel				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.57	21.78	21.55	23.0	0.0
Channel								
Frequency (MHz)				4490.00	4500.00	4500.00	Tune-up limit (dBm)	MPR (dB)
Channel				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.55	21.73	21.53	23.0	0.0

Part27Q n77 DSI6_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			18.74		
100	PI2 BPSK	1	137			18.82	20.0	0.0
100	PI2 BPSK	1	271			18.79		
100	PI2 BPSK	135	0			18.81	20.0	0.0
100	PI2 BPSK	135	69			18.80	20.0	0.0
100	PI2 BPSK	135	138			18.78	20.0	0.0
100	PI2 BPSK	270	0			18.83		
100	QPSK	1	1			18.98		
100	QPSK	1	137			18.86	20.0	0.0
100	QPSK	1	271			18.74		
100	QPSK	135	0			18.78	20.0	0.0
100	QPSK	135	69			18.89	20.0	0.0
100	QPSK	135	138			18.85	20.0	0.0
100	QPSK	270	0			18.97		
100	16QAM	1	1			18.86	20.0	0.0
100	64QAM	1	1			18.88	20.0	0.0
100	256QAM	1	1			18.74	19.5	0.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.72	18.77	18.72	20.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel				3495.02	3500.01	3505	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.73	18.79	18.74	20.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Channel				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.71	18.77	18.73	20.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.70	18.74	18.75	20.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.69	18.77	18.68	20.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.69	18.78	18.74	20.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Channel				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.68	18.78	18.72	20.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel				3455.02	3500.01	3545.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.73	18.75	18.69	20.	



Part27Q n77 PC2 DSI6_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01	21.91		
100	PI2 BPSK	1	137		21.89		23.0	0.0
100	PI2 BPSK	1	271		21.89			
100	PI2 BPSK	135	0		21.85		23.0	0.0
100	PI2 BPSK	135	69		21.86		23.0	0.0
100	PI2 BPSK	135	138		21.82		23.0	0.0
100	PI2 BPSK	270	0		21.84			
100	QPSK	1	1		21.92			
100	QPSK	1	137		21.91		23.0	0.0
100	QPSK	1	271		21.86			
100	QPSK	135	0		21.83		23.0	0.0
100	QPSK	135	69		21.85		23.0	0.0
100	QPSK	135	138		21.82		23.0	0.0
100	QPSK	270	0		21.92			
100	16QAM	1	1		21.80		23.0	0.0
100	64QAM	1	1		21.85		23.0	0.0
100	256QAM	1	1		21.75		23.0	0.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
80	QPSK	1	1	21.87	21.81	21.77	23.0	0.0
Channel								
Frequency (MHz)								
				636988	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3510		
80	QPSK	1	1	21.87	21.86	21.85	23.0	0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.82	21.83	21.78	23.0	0.0
Channel								
Frequency (MHz)								
				632000	633334	634988	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	21.82	21.81	21.83	23.0	0.0
Channel								
Frequency (MHz)								
				631868	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	21.82	21.80	21.84	23.0	0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	21.85	21.77	21.81	23.0	0.0
Channel								
Frequency (MHz)								
				631000	633334	636988	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	21.81	21.83	21.80	23.0	0.0
Channel								
Frequency (MHz)								
				630688	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	21.85	21.83	21.83	23.0	0.0
Channel								
Frequency (MHz)								
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	21.84	21.77	21.84	23.0	0.0
Channel								
Frequency (MHz)								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3545.01		
10	QPSK	1	1	21.83	21.82	21.82	23.0	0.0



Part270 n78 DSI6_Simultaneous Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3750	3750				
Frequency (MHz)										
100	PI2 BPSK	1	1	18.15						
100	PI2 BPSK	1	137	18.09			20.0	0.0		
100	PI2 BPSK	1	271	18.11						
100	PI2 BPSK	135	0	18.11			20.0	0.0		
100	PI2 BPSK	135	69	18.19			20.0	0.0		
100	PI2 BPSK	135	138	18.16			20.0	0.0		
100	PI2 BPSK	270	0	18.10			20.0	0.0		
100	QPSK	1	1	18.21						
100	QPSK	1	137	18.13			20.0	0.0		
100	QPSK	1	271	18.05						
100	QPSK	135	0	18.04			20.0	0.0		
100	QPSK	135	69	18.16			20.0	0.0		
100	QPSK	135	138	18.13			20.0	0.0		
100	QPSK	270	0	18.12			20.0	0.0		
100	16QAM	1	1	18.17			20.0	0.0		
100	64QAM	1	1	18.08			20.0	0.0		
100	256QAM	1	1	18.01			18.5	0.5		
Channel				64988	65000	65034	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3765.04	(dBm)	(dB)		
90	QPSK	1	1	18.03	18.16	18.04	20.0	0.0		
Channel				64834	65000	65068	Tune-up limit	MPR		
Frequency (MHz)				3745.01	3750	3765.02	(dBm)	(dB)		
80	QPSK	1	1	18.04	18.11	18.09	20.0	0.0		
Channel				64900	65000	65100	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1	18.06	18.11	18.01	20.0	0.0		
Channel				64868	65000	65134	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1	18.08	18.15	18.03	20.0	0.0		
Channel				64834	65000	65166	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1	18.08	18.10	18.06	20.0	0.0		
Channel				64800	65000	65200	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1	18.06	18.10	18.03	20.0	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1	18.06	18.13	18.01	20.0	0.0		
Channel				64734	65000	65266	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1	18.02	18.10	18.02	20.0	0.0		
Channel				64700	65000	65298	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1	18.08	18.13	18.09	20.0	0.0		
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1	18.04	18.13	18.06	20.0	0.0		

Part270 n78 PC2 DSI6_Simultaneous Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				65000	65000	65000				
Frequency (MHz)										
100	PI2 BPSK	1	1	21.14						
100	PI2 BPSK	1	137	21.10			23.0	0.0		
100	PI2 BPSK	1	271	21.11						
100	PI2 BPSK	135	0	21.08			23.0	0.0		
100	PI2 BPSK	135	69	21.08			23.0	0.0		
100	PI2 BPSK	135	138	21.02			23.0	0.0		
100	PI2 BPSK	270	0	21.11			23.0	0.0		
100	QPSK	1	1	21.20						
100	QPSK	1	137	21.06			23.0	0.0		
100	QPSK	1	271	21.04						
100	QPSK	135	0	21.03			23.0	0.0		
100	QPSK	135	69	21.10			23.0	0.0		
100	QPSK	135	138	21.09			23.0	0.0		
100	QPSK	270	0	21.12			23.0	0.0		
100	16QAM	1	1	21.15			23.0	0.0		
100	64QAM	1	1	21.03			23.0	0.0		
100	256QAM	1	1	21.02			23.0	0.0		
Channel				64988	65000	65034	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3765.04	(dBm)	(dB)		
90	QPSK	1	1	21.05	21.17	21.05	23.0	0.0		
Channel				64834	65000	65068	Tune-up limit	MPR		
Frequency (MHz)				3745.01	3750	3765.02	(dBm)	(dB)		
80	QPSK	1	1	21.03	21.11	21.07	23.0	0.0		
Channel				64900	65000	65100	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1	21.05	21.14	21.09	23.0	0.0		
Channel				64868	65000	65134	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1	21.04	21.16	21.04	23.0	0.0		
Channel				64834	65000	65166	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1	21.05	21.16	21.06	23.0	0.0		
Channel				64800	65000	65200	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1	21.02	21.09	21.05	23.0	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1	21.03	21.14	21.07	23.0	0.0		
Channel				64734	65000	65266	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1	21.03	21.13	21.02	23.0	0.0		
Channel				64700	65000	65298	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1	21.09	21.14	21.03	23.0	0.0		
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1	21.06	21.16	21.05	23.0	0.0		

Part27Q n78 DSI6_Simultaneous Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				63300	63334	63354	Tune-up limit	MPR		
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)		
100	PI2 BPSK	1	1	18.14						
100	PI2 BPSK	1	137	18.17			20.0	0.0		
100	PI2 BPSK	1	271	18.08						
100	PI2 BPSK	135	0	18.06			20.0	0.0		
100	PI2 BPSK	135	69	18.10			20.0	0.0		
100	PI2 BPSK	135	138	18.15			20.0	0.0		
100	PI2 BPSK	270	0	18.04			20.0	0.0		
100	QPSK	1	1	18.25						
100	QPSK	1	137	18.12			20.0	0.0		
100	QPSK	1	271	18.02						
100	QPSK	135	0	18.04			20.0	0.0		
100	QPSK	135	69	18.18			20.0	0.0		
100	QPSK	135	138	18.08			20.0	0.0		
100	QPSK	270	0	18.06			20.0	0.0		
100	16QAM	1	1	18.14			20.0	0.0		
100	64QAM	1	1	18.02			20.0	0.0		
100	256QAM	1	1	17.96			18.5	0.5		
Channel				63300	63334	63354	Tune-up limit	MPR		
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)		
90	QPSK	1	1	18.09	18.18	18.01	20.0	0.0		
Channel				63268	63334	63400	Tune-up limit	MPR		
Frequency (MHz)				3495.02	3500.01	3505	(dBm)	(dB)		
80	QPSK	1	1	18.09	18.17	18.04	20.0	0.0		
Channel				63234	63334	63434	Tune-up limit	MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)		
70	QPSK	1	1	18.10	18.15	18.02	20.0	0.0		
Channel				63200	63334	63468	Tune-up limit	MPR		
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)		
60	QPSK	1	1	18.11	18.16	18.06	20.0	0.0		
Channel				63166	63334	63500	Tune-up limit	MPR		
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)		
50	QPSK	1	1	18.08	18.16	18.02	20.0	0.0		
Channel				63134	63334	63534	Tune-up limit	MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)		
40	QPSK	1	1	18.10	18.16	18.07	20.0	0.0		
Channel				63100	63334	63568	Tune-up limit	MPR		
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)		
30	QPSK	1	1	18.10	18.17	18.03	20.0	0.0		
Channel				63068	63334	63600	Tune-up limit	MPR		



Part27Q n78 PC2 DSI6_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		21.18				
100	PI2 BPSK	1	137		21.19		23.0	0.0	
100	PI2 BPSK	1	271		21.07				
100	PI2 BPSK	135	0		21.16		23.0	0.0	
100	PI2 BPSK	135	69		21.13		23.0	0.0	
100	PI2 BPSK	135	138		21.15		23.0	0.0	
100	PI2 BPSK	270	0		21.09				
100	QPSK	1	1		21.24				
100	QPSK	1	137		21.09		23.0	0.0	
100	QPSK	1	271		21.15				
100	QPSK	135	0		21.17		23.0	0.0	
100	QPSK	135	69		21.19		23.0	0.0	
100	QPSK	135	138		21.14		23.0	0.0	
100	QPSK	270	0		21.09				
100	16QAM	1	1		21.21		23.0	0.0	
100	64QAM	1	1		21.08		23.0	0.0	
100	256QAM	1	1		21.02		23.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1	21.09	21.08	21.17	23.0	0.0	
Channel				632068	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.92	3500.01	3510			
80	QPSK	1	1	21.06	21.09	21.13	23.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	21.05	21.09	21.16	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3500.02			
60	QPSK	1	1	21.06	21.10	21.11	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3505			
50	QPSK	1	1	21.08	21.11	21.12	23.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.91	3500.01	3508.01			
40	QPSK	1	1	21.07	21.09	21.12	23.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	21.10	21.02	21.14	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.92	3500.01	3540			
20	QPSK	1	1	21.10	21.11	21.13	23.0	0.0	
Channel				630500	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.92			
15	QPSK	1	1	21.06	21.05	21.18	23.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3482.01	3500.01	3542.01			
10	QPSK	1	1	21.05	21.05	21.13	23.0	0.0	



n2 Default Ant 3									
BW [MHz]	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)				1860	1880	1900			
20	PI2 BPSK	1	1	23.04	23.07	22.97			
20	PI2 BPSK	1	53	22.98	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	22.87	22.98	22.89			
20	PI2 BPSK	50	0	22.91	22.99	22.93	24.0	0.0	
20	PI2 BPSK	50	28	22.84	22.97	22.91	24.0	0.0	
20	PI2 BPSK	50	56	22.92	22.96	22.87	24.0	0.0	
20	PI2 BPSK	100	0	22.93	22.99	22.94			
20	QPSK	1	1	23.06	23.12	22.99			
20	QPSK	1	53	23.00	23.08	22.98	24.0	0.0	
20	QPSK	1	104	22.99	23.03	22.96			
20	QPSK	50	0	22.94	23.01	22.94	24.0	0.0	
20	QPSK	50	28	23.03	23.08	22.95	24.0	0.0	
20	QPSK	50	56	22.84	22.94	22.85	24.0	0.0	
20	QPSK	100	0	22.92	23.00	22.90			
20	16QAM	1	1	22.85	22.95	22.92	24.0	0.0	
20	64QAM	1	1	21.80	22.01	21.94	23.0	1.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	22.98	23.08	22.88	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	22.96	23.01	22.84	24.0	0.0	
Channel									
Frequency (MHz)				370600	376000	381500			
5	QPSK	1	1	23.02	23.04	22.98	24.0	0.0	

n7 DSI6_Simultaneous Ant 3									
BW [MHz]	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)				2520	2535	2550			
40	PI2 BPSK	1	1	21.95	22.01	21.84			
40	PI2 BPSK	1	108	21.85	21.98	21.92	23.1	0.0	
40	PI2 BPSK	1	214	21.87	21.95	21.78			
40	PI2 BPSK	108	0	21.89	21.84	21.79	23.1	0.0	
40	PI2 BPSK	108	54	21.91	22.02	21.87	23.1	0.0	
40	PI2 BPSK	108	108	21.73	21.88	21.72	23.1	0.0	
40	PI2 BPSK	216	0	21.87	22.02	21.95			
40	QPSK	1	1	21.89	22.05	21.98			
40	QPSK	1	108	21.84	21.99	21.96	23.1	0.0	
40	QPSK	1	214	21.92	22.01	21.90			
40	QPSK	108	0	21.91	21.96	21.93	23.1	0.0	
40	QPSK	108	54	21.97	22.00	21.93	23.1	0.0	
40	QPSK	108	108	21.84	21.90	21.78	23.1	0.0	
40	QPSK	216	0	21.74	21.88	21.78			
40	16QAM	1	1	21.93	21.97	21.91	23.1	0.0	
40	64QAM	1	1	21.84	21.96	21.79	23.0	0.1	
40	256QAM	1	1	20.02	20.98	20.86	21.0	2.1	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.79	21.93	21.91	23.1	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	21.83	21.89	21.83	23.1	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	21.76	22.01	21.84	23.1	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	21.81	21.94	21.88	23.1	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	21.86	22.02	21.93	23.1	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	21.74	21.89	21.86	23.1	0.0	

n25 Default Ant 3									
BW [MHz]	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)				1870	182.5	195			
40	PI2 BPSK	1	1	23.01	23.06	22.93			
40	PI2 BPSK	1	108	22.84	22.96	22.89	24.0	0.0	
40	PI2 BPSK	1	214	22.93	22.99	22.85			
40	PI2 BPSK	108	0	22.96	23.03	22.87	24.0	0.0	
40	PI2 BPSK	108	54	22.89	22.98	22.84	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.97	22.84	24.0	0.0	
40	PI2 BPSK	216	0	22.85	22.99	22.90			
40	QPSK	1	1	23.07	23.17	22.98			
40	QPSK	1	108	23.03	23.08	22.99	24.0	0.0	
40	QPSK	1	214	23.04	23.02	23.02			
40	QPSK	108	0	22.97	23.05	22.92	24.0	0.0	
40	QPSK	108	54	23.01	23.09	22.96	24.0	0.0	
40	QPSK	108	108	22.90	22.99	22.84	24.0	0.0	
40	QPSK	216	0	22.96	23.03	22.92			
40	16QAM	1	1	23.01	23.08	23.02	24.0	0.0	
40	64QAM	1	1	21.88	21.96	21.91	23.0	1.0	
40	256QAM	1	1	20.42	20.49	20.46	21.0	3.0	
Channel									
Frequency (MHz)				1865	182.5	1900			
30	QPSK	1	1	22.92	23.11	22.86	24.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	22.99	23.05	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	23.03	23.04	22.97	24.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	23.02	23.10	22.86	24.0	0.0	
Channel									
Frequency (MHz)				1865	182.5	1910			
10	QPSK	1	1	22.99	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	23.02	23.06	22.93	24.0	0.0	



n30 Default Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. / 46000	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	23.11	23.10		
10	PI2 BPSK	1	26	23.05			24.0 0.0
10	PI2 BPSK	1	50	23.08			
10	PI2 BPSK	25	0	22.95			24.0 0.0
10	PI2 BPSK	25	14	23.01			24.0 0.0
10	PI2 BPSK	25	27	22.97			
10	PI2 BPSK	50	0	22.99			24.0 0.0
10	QPSK	1	1	23.17			
10	QPSK	1	26	23.09			24.0 0.0
10	QPSK	1	50	23.04			
10	QPSK	25	0	23.02			24.0 0.0
10	QPSK	25	14	23.09			24.0 0.0
10	QPSK	25	27	22.91			24.0 0.0
10	QPSK	50	0	22.95			24.0 0.0
10	16QAM	1	1	22.93			24.0 1.0
10	64QAM	1	1	21.81			23.0 1.0
10	256QAM	1	1	19.89			21.0 3.0
Channel				461500	462000		
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	23.07	23.13	23.03	24.0 0.0

n66 Default Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. / 346000	Power High Ch. / Freq. / 350000	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	23.50	23.53	23.40	
40	PI2 BPSK	1	108	23.24	23.31	23.23	24.0 0.0
40	PI2 BPSK	1	214	23.18	23.29	23.14	
40	PI2 BPSK	108	0	23.18	23.23	23.10	24.0 0.0
40	PI2 BPSK	108	54	23.25	23.34	23.22	24.0 0.0
40	PI2 BPSK	108	108	23.20	23.27	23.24	
40	PI2 BPSK	216	0	23.18	23.29	23.19	24.0 0.0
40	QPSK	1	1	23.49	23.58	23.47	
40	QPSK	1	108	23.35	23.49	23.38	24.0 0.0
40	QPSK	1	214	23.34	23.44	23.39	
40	QPSK	108	0	23.12	23.24	23.21	24.0 0.0
40	QPSK	108	54	23.33	23.46	23.39	24.0 0.0
40	QPSK	108	108	23.23	23.32	23.21	24.0 0.0
40	QPSK	216	0	23.32	23.41	23.30	24.0 0.0
40	16QAM	1	1	23.08	23.21	23.09	24.0 0.0
40	64QAM	1	1	21.96	22.09	21.98	23.0 1.0
40	256QAM	1	1	20.82	20.92	20.83	21.0 3.0
Channel				345000	346000	350000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	23.42	23.47	23.43	24.0 0.0
Channel				344000	349000	354000	
Frequency (MHz)				1728	1745	1770	
20	QPSK	1	1	23.40	23.52	23.37	24.0 0.0
Channel				343000	348000	353000	
Frequency (MHz)				1715	1745	1775	
15	QPSK	1	1	23.45	23.43	23.43	24.0 0.0
Channel				343000	349000	350000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.45	23.43	23.42	24.0 0.0
Channel				342000	348000	350000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.35	23.55	23.37	24.0 0.0

n70 Default Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. / 340000	Power High Ch. / Freq. / 345000	MPR (dB)	
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1		1702.5			
15	PI2 BPSK	1	40		23.53		24.0 0.0	
15	PI2 BPSK	1	77		23.47			
15	PI2 BPSK	1	77		23.49			
15	PI2 BPSK	36	0		23.41		24.0 0.0	
15	PI2 BPSK	36	22		23.48		24.0 0.0	
15	PI2 BPSK	36	43		23.34		24.0 0.0	
15	PI2 BPSK	75	0		23.39		24.0 0.0	
15	QPSK	1	1		23.55			
15	QPSK	1	40		23.46		24.0 0.0	
15	QPSK	1	77		23.42			
15	QPSK	36	0		23.36		24.0 0.0	
15	QPSK	36	22		23.50		24.0 0.0	
15	QPSK	36	43		23.39		24.0 0.0	
15	QPSK	75	0		23.43		24.0 0.0	
15	16QAM	1	1		21.98		23.0 1.0	
15	64QAM	1	1		20.71		21.5 2.5	
15	256QAM	1	1		19.10		19.5 4.5	
Channel				340000	340000	341000		
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1		23.40	23.48	23.41	24.0 0.0
Channel				339000	340000	341000		
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1		23.48	23.51	23.42	24.0 0.0



n38 DSI6_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				517002	519000	520998	
Frequency (MHz)				2503.01	2595	2604.99	
30	PI2 BPSK	1	1	21.67	21.74	21.67	0.0
30	PI2 BPSK	1	40	21.47	21.61	21.44	22.6
30	PI2 BPSK	1	76	21.54	21.70	21.68	0.0
30	PI2 BPSK	36	0	21.60	21.65	21.51	22.6
30	PI2 BPSK	36	21	21.63	21.74	21.68	22.6
30	PI2 BPSK	36	42	21.61	21.66	21.51	0.0
30	PI2 BPSK	75	0	21.55	21.70	21.62	22.6
30	QPSK	1	1	21.68	21.78	21.70	0.0
30	QPSK	1	40	21.65	21.69	21.53	22.6
30	QPSK	1	76	21.69	21.73	21.64	0.0
30	QPSK	36	0	21.51	21.62	21.52	22.6
30	QPSK	36	21	21.62	21.74	21.58	22.6
30	QPSK	36	42	21.64	21.73	21.64	0.0
30	QPSK	75	0	21.61	21.64	21.52	22.6
30	16QAM	1	1	21.58	21.66	21.63	22.6
30	64QAM	1	1	21.66	21.70	21.64	22.6
30	256QAM	1	1	20.24	20.30	20.32	20.5
Channel				515004	519000	521006	
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	21.60	21.74	21.60	22.6
Channel				516000	519000	522000	
Frequency (MHz)				2558	2595	2630	
20	QPSK	1	1	21.66	21.69	21.65	22.6
Channel				515002	519000	524008	
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	21.53	21.63	21.51	22.6
Channel				515004	519000	522996	
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	21.55	21.64	21.59	22.6

n41 DSI6_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				506002	518998	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	21.16	21.30	21.20	0.0
100	PI2 BPSK	1	137	21.22	21.28	21.28	22.6
100	PI2 BPSK	1	271	21.10	21.24	21.14	0.0
100	PI2 BPSK	135	0	21.06	21.19	21.17	22.6
100	PI2 BPSK	135	69	21.20	21.22	21.19	22.6
100	PI2 BPSK	135	138	21.09	21.22	21.15	0.0
100	PI2 BPSK	270	0	21.25	21.31	21.19	22.6
100	QPSK	1	1	21.29	21.35	21.21	0.0
100	QPSK	1	137	21.12	21.25	21.22	22.6
100	QPSK	1	271	21.26	21.30	21.16	0.0
100	QPSK	135	0	21.13	21.20	21.11	22.6
100	QPSK	135	69	21.19	21.28	21.25	22.6
100	QPSK	135	138	21.11	21.26	21.09	0.0
100	QPSK	270	0	21.27	21.30	21.15	22.6
100	16QAM	1	1	21.16	21.25	21.12	22.6
100	64QAM	1	1	20.87	20.92	20.80	1.1
100	256QAM	1	1	18.80	18.80	18.67	13.5
Channel				510000	518998	529998	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	21.26	21.30	21.09	22.6
Channel				507004	518998	529998	
Frequency (MHz)				2638.02	2692.99	2648.99	
80	QPSK	1	1	21.23	21.28	21.11	22.6
Channel				506002	518998	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	21.20	21.23	21.14	22.6
Channel				505000	518998	531996	
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	21.12	21.25	21.16	22.6
Channel				502004	518998	532996	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	21.14	21.24	21.14	22.6
Channel				503002	518998	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	21.25	21.28	21.05	22.6
Channel				502000	518998	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	21.22	21.25	21.09	22.6
Channel				501004	518998	535996	
Frequency (MHz)				2506.02	2592.99	2678.99	
20	QPSK	1	1	21.15	21.32	21.13	22.6



n41 PC2 DSI6_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				509002	518598	528000	
Frequency (MHz)				2544.01	2592.99	2640	
100	PI2 BPSK	1	1	24.29	24.38	24.21	
100	PI2 BPSK	1	137	24.22	24.35	24.19	25.6
100	PI2 BPSK	1	271	24.23	24.27	24.18	
100	PI2 BPSK	135	0	24.31	24.33	24.23	25.6
100	PI2 BPSK	135	69	24.28	24.30	24.30	25.6
100	PI2 BPSK	135	138	24.21	24.30	24.14	
100	PI2 BPSK	270	0	24.18	24.32	24.16	25.6
100	QPSK	1	1	24.36	24.41	24.31	
100	QPSK	1	137	24.26	24.36	24.30	25.6
100	QPSK	1	271	24.18	24.25	24.15	
100	QPSK	135	0	24.27	24.35	24.19	25.6
100	QPSK	135	69	24.23	24.36	24.33	25.6
100	QPSK	135	138	24.16	24.32	24.24	25.6
100	QPSK	270	0	24.21	24.35	24.19	
100	16QAM	1	1	24.22	24.29	24.24	25.6
100	64QAM	1	1	24.09	24.24	24.07	25.0
100	256QAM	1	1	21.90	22.00	21.86	23.0
Channel				510000	518598	529998	
Frequency (MHz)				2544	2592.99	2644.98	
90	QPSK	1	1	24.30	24.38	24.15	25.6
Channel				507204	518598	529998	
Frequency (MHz)				2533.01	2592.99	2644.99	
80	QPSK	1	1	24.29	24.25	24.17	25.6
Channel				506002	518598	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	24.30	24.24	24.14	25.6
Channel				505000	518598	531998	
Frequency (MHz)				2528	2592.99	2659.98	
60	QPSK	1	1	24.24	24.30	24.28	25.6
Channel				504004	518598	532000	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	24.20	24.38	24.15	25.6
Channel				503002	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	24.30	24.25	24.24	25.6
Channel				502000	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	24.20	24.20	24.20	25.0
Channel				501004	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	24.28	24.33	24.26	25.6

n48 DSI6_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				638000	641666	645332	
Frequency (MHz)				3370	3624.99	3679.98	
40	PI2 BPSK	1	1	19.55	19.54	19.32	
40	PI2 BPSK	1	53	19.39	19.40	19.36	19.9
40	PI2 BPSK	1	104	19.38	19.50	19.55	
40	PI2 BPSK	50	0	19.07	19.29	19.09	19.9
40	PI2 BPSK	50	25	19.33	19.44	19.52	19.9
40	PI2 BPSK	50	55	19.29	19.38	19.42	
40	PI2 BPSK	100	0	19.28	19.24	19.31	19.9
40	QPSK	1	1	19.30	19.59	19.47	
40	QPSK	1	53	19.35	19.33	19.59	19.9
40	QPSK	1	104	19.25	19.25	19.17	
40	QPSK	50	0	18.91	19.27	19.32	19.9
40	QPSK	50	28	19.41	19.49	19.33	19.9
40	QPSK	50	56	19.32	19.11	18.53	19.9
40	QPSK	100	0	19.15	19.22	19.09	
40	16QAM	1	1	19.09	19.24	19.03	19.9
40	64QAM	1	1	19.09	19.31	19.27	19.9
40	256QAM	1	1	19.02	19.53	19.47	19.9
Channel				637000	641666	645332	
Frequency (MHz)				3665.02	3624.99	3684.99	
30	QPSK	1	1	19.22	19.33	19.32	19.9
Channel				637204	641666	646000	
Frequency (MHz)				3662.01	3624.99	3690	
20	QPSK	1	1	19.16	19.34	19.30	19.9
Channel				637000	641666	646332	
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	19.00	19.28	19.27	19.9



Part270 n77 DSI6_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.19	19.22	19.08		
100	PI2 BPSK	1	137	18.97	19.14	19.06	20.5	0.0
100	PI2 BPSK	1	271	19.07	19.19	19.14		
100	PI2 BPSK	135	0	18.93	19.08	19.05	20.5	0.0
100	PI2 BPSK	135	69	18.12	19.22	19.12	20.5	0.0
100	PI2 BPSK	135	138	19.05	19.13	19.07	20.5	0.0
100	PI2 BPSK	270	0	19.08	19.20	19.05	20.5	0.0
100	QPSK	1	1	19.23	19.25	19.13		
100	QPSK	1	137	19.08	19.16	19.02	20.5	0.0
100	QPSK	1	271	19.09	19.17	19.11		
100	QPSK	135	0	18.96	19.08	18.95	20.5	0.0
100	QPSK	135	69	19.12	19.19	19.02	20.5	0.0
100	QPSK	135	138	19.01	19.14	19.03	20.5	0.0
100	QPSK	270	0	19.18	19.21	19.07	20.5	0.0
100	16QAM	1	1	19.15	19.17	19.03	20.5	0.0
100	64QAM	1	1	19.11	19.22	19.08	20.5	0.0
100	256QAM	1	1	19.08	19.09	19.03	19.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.08	19.14	19.08	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.19	19.13	18.98	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.12	19.11	19.04	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.14	19.10	19.02	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.07	19.08	18.99	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.16	19.21	19.02	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.10	19.14	19.08	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.08	19.21	19.04	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.09	19.20	18.96	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.20	19.19	19.11	20.5	0.0

Part270 n77 PC2 DSI6_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.95	21.99	21.87		
100	PI2 BPSK	1	137	21.88	22.02	21.87	23.5	0.0
100	PI2 BPSK	1	271	21.98	22.12	21.98		
100	PI2 BPSK	135	0	21.92	21.99	21.86	23.5	0.0
100	PI2 BPSK	135	69	21.96	22.00	21.88	23.5	0.0
100	PI2 BPSK	135	138	21.93	22.06	21.96	23.5	0.0
100	PI2 BPSK	270	0	21.95	22.07	21.91	23.5	0.0
100	QPSK	1	1	22.06	22.14	21.99		
100	QPSK	1	137	21.92	21.98	21.83	23.5	0.0
100	QPSK	1	271	21.93	22.08	22.03		
100	QPSK	135	0	21.96	22.04	21.94	23.5	0.0
100	QPSK	135	69	22.03	22.07	21.95	23.5	0.0
100	QPSK	135	138	21.89	22.00	21.87	23.5	0.0
100	QPSK	270	0	21.92	21.98	21.93	23.5	0.0
100	16QAM	1	1	22.02	22.11	22.04	23.5	0.0
100	64QAM	1	1	22.02	22.05	21.98	23.5	0.0
100	256QAM	1	1	21.93	21.92	21.80	23.0	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.94	22.06	21.91	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.89	21.98	21.95	23.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.97	22.04	21.92	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.01	22.06	21.86	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.03	22.09	21.87	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.90	22.04	21.86	23.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.93	21.98	21.83	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.99	22.11	21.97	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.95	22.00	21.82	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.91	21.97	21.86	23.5	0.0

Part27Q n77 DSI6_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		3500.01		20.5	0.0
100	PI2 BPSK	1	271		3500.01			
100	PI2 BPSK	135	0		3500.01		20.5	0.0
100	PI2 BPSK	135	69		3500.01		20.5	0.0
100	PI2 BPSK	135	138		3500.01		20.5	0.0
100	PI2 BPSK	270	0		3500.01		20.5	0.0
100	QPSK	1	1		3500.01		20.5	0.0
100	QPSK	1	137		3500.01		20.5	0.0
100	QPSK	1	271		3500.01		20.5	0.0
100	QPSK	135	0		3500.01		20.5	0.0
100	QPSK	135	69		3500.01		20.5	0.0
100	QPSK	135	138		3500.01		20.5	0.0
100	QPSK	270	0		3500.01		20.5	0.0
100	16QAM	1	1		3500.01		20.5	0.0
100	64QAM	1	1		3500.01		20.5	0.0
100	256QAM	1	1		3500.01		19.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.04	19.50	19.56	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.45	19.45	19.45	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.53	19.52	19.57	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.43	19.49	19.56	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.52	19.50	19.51	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.48	19.56	19.44	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.52	19.49	19.45	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.56	19.46	19.52	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.54	19.47	19.54	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.43	19.50	19.53	20.5	0.0



Part27Q n77 PC2 DSI6_Simultaneous Ant 3

BW (MHz)	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		3500.01			
100	PI2 BPSK	1	137		22.81			
100	PI2 BPSK	1	271		22.59		23.5	0.0
100	PI2 BPSK	135	0		22.83			
100	PI2 BPSK	135	69		22.80		23.5	0.0
100	PI2 BPSK	135	138		22.86		23.5	0.0
100	PI2 BPSK	270	0		22.85		23.5	0.0
100	QPSK	1	1		22.70			
100	QPSK	1	197		22.56			
100	QPSK	1	271		22.57		23.5	0.0
100	QPSK	135	0		22.58		23.5	0.0
100	QPSK	135	69		22.60		23.5	0.0
100	QPSK	135	138		22.58		23.5	0.0
100	QPSK	270	0		22.58		23.5	0.0
100	16QAM	1	1		22.57		23.5	0.0
100	64QAM	1	1		22.61		23.5	0.0
100	256QAM	1	1		22.58		23.0	0.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
80	QPSK	1	1	22.54	22.62	22.68	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63688	63334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3510		
80	QPSK	1	1	22.56	22.62	22.65	23.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.65	22.67	22.62	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	22.59	22.64	22.65	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	22.56	22.59	22.62	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.62	22.62	22.63	23.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	22.55	22.57	22.55	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63500	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	22.58	22.65	22.56	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63030	63334	63638	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	22.57	22.63	22.58	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3543.01		
10	QPSK	1	1	22.68	22.68	22.68	23.5	0.0



Part270 n78 DSI6_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		19.08				
100	Pi2 BPSK	1	137		19.03		20.5	0.0	
100	Pi2 BPSK	1	271		18.96				
100	Pi2 BPSK	135	0		19.04		20.5	0.0	
100	Pi2 BPSK	135	69		19.09		20.5	0.0	
100	Pi2 BPSK	135	138		19.06		20.5	0.0	
100	Pi2 BPSK	270	0		19.08		20.5	0.0	
100	QPSK	1	1		19.12				
100	QPSK	1	137		19.06		20.5	0.0	
100	QPSK	1	271		19.05				
100	QPSK	135	0		19.00		20.5	0.0	
100	QPSK	135	69		19.05		20.5	0.0	
100	QPSK	135	138		18.96		20.5	0.0	
100	QPSK	270	0		19.06		20.5	0.0	
100	16QAM	1	1		19.09		20.5	0.0	
100	64QAM	1	1		19.00		20.5	0.0	
100	256QAM	1	1		18.99		19.5	1.0	
Channel									
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		3745.02	3750	3755.01	20.5	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		3749.01	3750	3760.02	20.5	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		3749.09	3750	3760.02	20.5	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		3749.02	3750	3770.01	20.5	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		3749.02	3750	3775.02	20.5	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		3749.02	3750	3785.01	20.5	0.0
Channel									
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3749.01	3750	3790.02	20.5	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3749.01	3750	3795.02	20.5	0.0
Channel									
Frequency (MHz)				64668	65000	65334	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		3749.01	3750	3795.02	20.5	0.0
Channel									
Frequency (MHz)				64634	65000	65368	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		3749.01	3750	3795.02	20.5	0.0

Part270 n78 PC2 DSI6_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		22.03				
100	Pi2 BPSK	1	137		21.97		23.5	0.0	
100	Pi2 BPSK	1	271		21.96				
100	Pi2 BPSK	135	0		22.00		23.5	0.0	
100	Pi2 BPSK	135	69		22.01		23.5	0.0	
100	Pi2 BPSK	135	138		21.94		23.5	0.0	
100	Pi2 BPSK	270	0		21.97		23.5	0.0	
100	QPSK	1	1		22.06				
100	QPSK	1	137		21.89		23.5	0.0	
100	QPSK	1	271		21.90				
100	QPSK	135	0		21.91		23.5	0.0	
100	QPSK	135	69		22.02		23.5	0.0	
100	QPSK	135	138		21.94		23.5	0.0	
100	QPSK	270	0		21.91		23.5	0.0	
100	16QAM	1	1		21.90		23.5	0.0	
100	64QAM	1	1		21.81		23.5	0.0	
100	256QAM	1	1		21.88		23.0	0.5	
Channel									
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		3745.02	3750	3755.01	23.5	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		3749.01	3750	3760.02	23.5	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		3749.09	3750	3760.02	23.5	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		3749.02	3750	3770.01	23.5	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		3749.02	3750	3775.02	23.5	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		3749.02	3750	3785.01	23.5	0.0
Channel									
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3749.01	3750	3790.02	23.5	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3749.01	3750	3795.02	23.5	0.0
Channel									
Frequency (MHz)				64668	65000	65334	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		3749.01	3750	3795.02	23.5	0.0
Channel									
Frequency (MHz)				64634	65000	65368	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		3749.01	3750	3795.02	23.5	0.0

Part27Q n78 DSI6_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					3500.01				
100	Pi2 BPSK	1	1		19.52				
100	Pi2 BPSK	1	137		19.42		20.5	0.0	
100	Pi2 BPSK	1	271		19.51				
100	Pi2 BPSK	135	0		19.40		20.5	0.0	
100	Pi2 BPSK	135	69		19.46		20.5	0.0	
100	Pi2 BPSK	135	138		19.46		20.5	0.0	
100	Pi2 BPSK	270	0		19.51		20.5	0.0	
100	QPSK	1	1		19.55				
100	QPSK	1	137		19.50		20.5	0.0	
100	QPSK	1	271		19.41				
100	QPSK	135	0		19.46		20.5	0.0	
100	QPSK	135	69		19.49		20.5	0.0	
100	QPSK	135	138		19.45		20.5	0.0	
100	QPSK	270	0		19.51		20.5	0.0	
100	16QAM	1	1		19.47		20.5	0.0	
100	64QAM	1	1		19.45		20.5	0.0	
100	256QAM	1	1		19.39		19.5	1.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		3495	3500.01	3505.02	20.5	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		3495.02	3500.01	3510	20.5	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		3495.01	3500.01	3515.01	20.5	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		3490	3500.01	3520.02	20.5	0.0
Channel									
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		3494.9	3495	3515.01	20.5	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		3492.01	3500.01	3520.01	20.5	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3491.99	3495	3515.01	20.5	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3490.02	3500.01	3540	20.5	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		3489.99	3495	3515.01	20.5	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		3489.99	3494	3515.01	20.5	0.0



Part27Q n78 PC2 DSI6_Simultaneous Ant 3									
BW (MHz)	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	PQ2 BPSK	1	1	22.62	3000.01				
100	PQ2 BPSK	1	137	22.56			23.5	0.0	
100	PQ2 BPSK	1	271	22.58					
100	PQ2 BPSK	135	0	22.61			23.5	0.0	
100	PQ2 BPSK	135	69	22.59					23.5 0.0
100	PQ2 BPSK	135	138	22.61			23.5	0.0	
100	PQ2 BPSK	270	0	22.54					23.5 0.0
100	QPSK	1	1	22.67					
100	QPSK	1	137	22.64			23.5	0.0	
100	QPSK	1	271	22.62					
100	QPSK	135	0	22.53			23.5	0.0	
100	QPSK	135	69	22.57					23.5 0.0
100	QPSK	135	138	22.50			23.5	0.0	
100	QPSK	270	0	22.50					23.5 0.0
100	16QAM	1	1	22.51					23.5 0.0
100	64QAM	1	1	22.48					23.5 0.0
100	256QAM	1	1	22.43					23.0 0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.55	22.57	22.57	23.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.53	22.63	22.62	23.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.61	22.54	22.64	23.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.65	22.58	22.58	23.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.58	22.62	22.63	23.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.55	22.63	22.64	23.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.52	22.61	22.62	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.62	22.58	22.61	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.60	22.54	22.61	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.54	22.63	22.64	23.5	0.0	



WiFi&T Power

Art 5-4		Full Power Extremity for Standalone				Head for Standalone		Head for Simultaneous DBS only Bodywork for Simultaneous WWAN+non DBS		Head for Simultaneous WWAN+non DBS Bodywork for Simultaneous WWAN+non DBS		Bodywork for Standalone		Bodywork for Simultaneous DBS only		Hotspot for Simultaneous WWAN+non DBS		Hotspot for Simultaneous WWAN+non DBS		Extremity for Simultaneous DBS only		Extremity for Simultaneous WWAN+non DBS		Extremity for Simultaneous WWAN+non DBS		Duty Cycle %		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b Mbps	1	2412	24.22	26.00	19.33	21.00	18.84	18.90	13.83	15.50	18.84	12.50	22.86	24.50	19.86	21.50	13.33	15.00	10.34	12.00	21.36	23.00	17.86	19.50	14.89	16.50	100
		6	2437	24.48	26.00	19.61	21.00	17.12	18.50	14.59	15.50	11.13	12.50	23.12	24.50	20.12	21.50	13.62	12.00	21.60	23.00	18.12	19.50	15.41	16.50			
		11	2462	23.56	26.00	19.71	21.00	17.20	18.50	14.18	15.50	11.23	12.50	23.23	24.50	20.21	21.50	13.71	15.00	10.73	12.00	21.70	23.00	18.21	19.50	15.22	16.50	
	802.11g Mbps	1	2412	22.57	24.00		21.00		18.57	18.50		15.50		12.50	22.57	24.00		21.50		15.00	12.00		23.00		19.50	16.50	98.97	
		6	2437	22.57	24.00		21.00		18.50	18.50		15.50		12.50	22.57	24.00		21.50		15.00	12.00		23.00		19.50	16.50		
		11	2462	22.63	24.00		21.00		18.50	18.50		15.50		12.50	22.63	24.00		21.50		15.00	12.00		23.00		19.50	16.50		
	802.11n-HT20 MCS0	1	2412	21.15	22.50		21.00		18.50	18.50		15.50		12.50	22.50	24.00		21.50		15.00	12.00		22.50		19.50	16.50	100.00	
		6	2437	21.27	22.50		21.00		18.50	18.50		15.50		12.50	22.50	24.00		21.50		15.00	12.00		22.50		19.50	16.50		
		11	2462	20.89	22.50		21.00		18.50	18.50		15.50		12.50	22.50	24.00		21.50		15.00	12.00		22.50		19.50	16.50		
	802.11n-HT40 MCS0	3	2422	21.54	23.00		21.00		18.50	18.50		15.50		12.50	23.00	24.00		21.50		15.00	12.00		22.50		19.50	16.50	100	
		6	2437	21.40	23.00		21.00		18.50	18.50		15.50		12.50	23.00	24.00		21.50		15.00	12.00		22.50		19.50	16.50		
		9	2442	21.06	22.50		21.00		18.50	18.50		15.50		12.50	22.50	24.00		21.50		15.00	12.00		22.50		19.50	16.50		
802.11ax-HE20 MCS0	1	2412	21.28	23.00		21.00		18.50	18.50		15.50		12.50	23.00	24.00		21.50		15.00	12.00		22.50		19.50	16.50	100		
	6	2437	21.33	23.00		21.00		18.50	18.50		15.50		12.50	23.00	24.00		21.50		15.00	12.00		22.50		19.50	16.50			
	11	2462	20.87	22.50		21.00		18.50	18.50		15.50		12.50	22.50	24.00		21.50		15.00	12.00		22.50		19.50	16.50			
802.11ax-HE40 MCS0	3	2422	21.60	23.00		21.00		18.50	18.50		15.50		12.50	23.00	24.00		21.50		15.00	12.00		22.50		19.50	16.50	100		
	6	2437	21.46	23.00		21.00		18.50	18.50		15.50		12.50	23.00	24.00		21.50		15.00	12.00		22.50		19.50	16.50			
	9	2452	21.19	22.50		21.00		18.50	18.50		15.50		12.50	22.50	24.00		21.50		15.00	12.00		22.50		19.50	16.50			

Art 5-4		Full Power Head for Standalone Bodywork for Standalone Extremity for Simultaneous DBS only Extremity for Standalone Extremity for Simultaneous DBS only				Head for Simultaneous DBS only Extremity for Simultaneous WWAN+non DBS		Head for Simultaneous WWAN+non DBS Extremity for Simultaneous WWAN+non DBS		Head for Simultaneous WWAN+non DBS		Bodywork for Simultaneous WWAN+non DBS		Bodywork for Simultaneous WWAN+non DBS		Hotspot for Simultaneous WWAN+non DBS		Hotspot for Simultaneous WWAN+non DBS		Duty Cycle %								
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
5.3GHz WLAN	802.11a Mbps	36	5180	22.02	23.50		21.00		18.00		15.00		20.50		17.50		17.00		14.00							99.32		
		40	5200	22.04	23.50		21.00		18.00		15.00		20.50		17.50		17.00		14.00									
		44	5220	21.87	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00									
	802.11n-HT20 MCS0	36	5180	21.57	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00									100
		40	5200	21.82	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00									
		44	5220	21.46	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00									
	802.11n-HT40 MCS0	36	5180	19.94	20.00		18.64		18.00		15.00		18.64	20.00		17.50		17.00		14.00								100
		40	5200	21.12	22.50		19.23		21.00		18.00		18.76	20.50		17.50		17.00		14.00								
		44	5220	21.09	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00									
	802.11ac-VHT20 MCS0	40	5220	21.73	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00									100
		44	5220	21.64	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00									
		48	5240	21.86	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00									
802.11ac-VHT40 MCS0	36	5180	18.79	20.50		21.00		18.00		15.00		20.50		17.50		17.00		14.00									100	
	40	5200	21.33	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
	48	5240	21.56	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
802.11ax-HE160 MCS0	42	5210	17.85	18.50		19.50	16.47	18.00	13.50	15.00		19.50	15.98	17.50	15.48	17.00	12.51	14.00									100	
	36	5180	21.84	23.50		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
	40	5200	21.85	23.50		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
802.11ax-HE20 MCS0	40	5200	21.77	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
	44	5220	21.90	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
	48	5240	21.56	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
802.11ax-HE40 MCS0	38	5190	18.87	20.50		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
	40	5200	21.52	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
	42	5210	17.95	18.50		19.50		18.00		15.00		19.50		17.50		17.00		14.00										

Art 5-4		Full Power Head for Standalone Bodywork for Standalone Extremity for Simultaneous DBS only Extremity for Standalone Extremity for Simultaneous DBS only				Head for Simultaneous DBS only		Head for Simultaneous WWAN+non DBS		Head for Simultaneous WWAN+non DBS		Bodywork for Simultaneous WWAN+non DBS		Bodywork for Simultaneous WWAN+non DBS		Extremity for Simultaneous WWAN+non DBS		Extremity for Simultaneous WWAN+non DBS		Duty Cycle %									
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %								
5.3GHz WLAN	802.11a Mbps	52	5260	22.13	23.50		21.00		18.00		15.00		20.50		17.50		17.00		14.00								99.32		
		56	5280	22.13	23.50		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
		60	5300	21.94	23.50		21.00		18.00		15.00		20.50		17.50		17.00		14.00										
	802.11n-HT20 MCS0	52	5260	21.94	23.00		21.00		18.00		15.00		20.50		17.50		17.00		14.00										100
		56	5280	21.75	23.00		21.00		18.00	</																			



Art 5-4		Full Power Body worn for Standalone Body worn for Simultaneous DBS only Extremity for Standalone Extremity for Simultaneous DBS only				Head for Standalone Body worn for Simultaneous WWAN+non-DBS Extremity for Simultaneous WWAN+non-DBS		Head for Simultaneous DBS only		Head for Simultaneous WWAN+non-DBS		Head for Simultaneous WWAN+DBS		Body worn for Simultaneous WWAN+DBS		Hotspot for Simultaneous WWAN+non-DBS		Hotspot for Simultaneous WWAN+DBS		Duty Cycle %										
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %									
802.11a 6Mbps	100	5900	21.20	23.00	Not Required	Not Required	20.50	18.50	Not Required	15.50	12.50	17.50	15.50	17.50	15.50	17.50	15.50	17.50	15.50	17.50	99.32									
	116	5980	21.47	23.00																		20.50	18.50	15.50	12.50	17.50				
	124	5920	21.38	23.00																		20.50	18.50	15.50	12.50	17.50				
	132	5960	21.52	23.00																		20.50	18.50	15.50	12.50	17.50				
	140	5780	21.94	23.00																		20.50	18.50	15.50	12.50	17.50				
	144	5720	21.48	23.00																		20.50	18.50	15.50	12.50	17.50				
	190	5900	20.88	22.50																		20.50	18.50	15.50	12.50	17.50				
	116	5980	21.05	22.50																		20.50	18.50	15.50	12.50	17.50				
	124	5920	21.04	22.50																		20.50	18.50	15.50	12.50	17.50				
	132	5960	21.12	22.50																		20.50	18.50	15.50	12.50	17.50				
802.11n-HT20 MCS0	140	5700	21.06	22.50	Not Required	Not Required	20.50	18.50	Not Required	15.50	12.50	17.50	15.50	17.50	15.50	17.50	15.50	17.50	15.50	17.50	100									
	144	5720	21.06	22.50																		20.50	18.50	15.50	12.50	17.50				
	192	5910	20.27	22.00																		20.50	18.50	15.50	12.50	17.50				
	110	5950	20.20	22.00																		20.50	18.50	15.50	12.50	17.50				
	126	5930	20.34	22.00																		20.50	18.50	15.50	12.50	17.50				
	134	5970	20.53	22.00																		20.50	18.50	15.50	12.50	17.50				
	142	5710	20.45	22.00																		20.50	18.50	15.50	12.50	17.50				
	190	5900	21.01	22.50																		20.50	18.50	15.50	12.50	17.50				
	116	5980	21.24	23.00																		20.50	18.50	15.50	12.50	17.50				
	124	5920	21.15	22.50																		20.50	18.50	15.50	12.50	17.50				
802.11ac-VHT20 MCS0	132	5960	21.28	23.00	Not Required	Not Required	20.50	18.50	Not Required	15.50	12.50	17.50	15.50	17.50	15.50	17.50	15.50	17.50	15.50	17.50	100									
	140	5700	21.28	23.00																		20.50	18.50	15.50	12.50	17.50				
	144	5720	21.25	23.00																		20.50	18.50	15.50	12.50	17.50				
	192	5910	20.34	22.00																		20.50	18.50	15.50	12.50	17.50				
	110	5950	20.30	22.00																		20.50	18.50	15.50	12.50	17.50				
	126	5930	20.53	22.00																		20.50	18.50	15.50	12.50	17.50				
	134	5970	20.74	22.00																		20.50	18.50	15.50	12.50	17.50				
	142	5710	20.66	22.00																		20.50	18.50	15.50	12.50	17.50				
	196	5930	19.30	21.00																		18.88	20.50	16.50	13.93	15.50	10.54	12.50	15.92	17.50
	122	5910	19.50	21.00																		19.11	20.50	17.16	14.14	15.50	11.13	12.50	16.12	17.50
138	5990	19.78	21.00	19.38	20.50	17.39	14.41	15.50	11.40	12.50	16.37	17.50																		
802.11ac-VHT160 MCS0	114	5570	18.31	20.00	Not Required	Not Required	20.00	18.50	Not Required	15.00	12.50	17.50	15.00	17.50	15.00	17.50	15.00	17.50	15.00	17.50	100									
	190	5900	21.10	22.50																		20.50	18.50	15.50	12.50	17.50				
	116	5980	21.38	23.00																		20.50	18.50	15.50	12.50	17.50				
	124	5920	21.30	23.00																		20.50	18.50	15.50	12.50	17.50				
	132	5960	21.42	23.00																		20.50	18.50	15.50	12.50	17.50				
	140	5700	21.47	23.00																		20.50	18.50	15.50	12.50	17.50				
	144	5720	21.41	23.00																		20.50	18.50	15.50	12.50	17.50				
	192	5910	20.46	22.00																		20.50	18.50	15.50	12.50	17.50				
	110	5950	20.47	22.00																		20.50	18.50	15.50	12.50	17.50				
	128	5930	20.74	22.00																		20.50	18.50	15.50	12.50	17.50				
802.11ax-HE40 MCS0	134	5970	20.88	22.00	Not Required	Not Required	20.50	18.50	Not Required	15.50	12.50	17.50	15.50	17.50	15.50	17.50	15.50	17.50	15.50	17.50	100									
	142	5710	20.88	22.00																		20.50	18.50	15.50	12.50	17.50				
	196	5930	19.38	21.00																		20.50	18.50	15.50	12.50	17.50				
	122	5910	19.70	21.50																		20.50	18.50	15.50	12.50	17.50				
	138	5990	19.96	21.50																		20.50	18.50	15.50	12.50	17.50				
	114	5570	18.46	20.00																		20.00	18.50	15.50	12.50	17.50				

Art 5-4		Full Power Body worn for Standalone Body worn for Simultaneous DBS only Extremity for Standalone Extremity for Simultaneous DBS only				Head for Standalone		Head for Simultaneous DBS only		Head for Simultaneous WWAN+non-DBS		Head for Simultaneous WWAN+DBS		Body worn for Simultaneous WWAN+non-DBS		Hotspot for Simultaneous WWAN+non-DBS		Hotspot for Simultaneous WWAN+DBS		Duty Cycle %																
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %															
802.11a 6Mbps	149	5745	21.50	23.00	Not Required	Not Required	21.00	19.00	Not Required	16.00	13.00	22.00	19.50	16.50	19.50	16.50	19.50	16.50	19.50	16.50	99.32															
	157	5785	21.74	23.50																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	165	5825	21.74	23.50																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	149	5745	21.15	23.00																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	157	5785	21.29	23.00																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	165	5825	21.43	23.00																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	151	5755	20.76	22.50																		Not Required	Not Required	21.00	19.00	16.00	13.00	20.33	22.00	Not Required	Not Required	19.50	16.50			
	159	5795	20.75	22.50																		21.00	19.00	16.00	13.00	20.31	22.00	19.50	16.50	19.50	16.50					
	149	5745	21.34	23.00																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	157	5785	21.50	23.00																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
802.11ac-VHT20 MCS0	165	5825	21.57	23.00	Not Required	Not Required	21.00	19.00	Not Required	16.00	13.00	22.00	19.50	16.50	19.50	16.50	19.50	16.50	19.50	16.50	100															
	151	5755	20.97	22.50																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	159	5795	20.96	22.50																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	155	5775	19.92	21.50																		19.54	21.00	17.55	19.00	14.55	16.00	11.56	13.00	Not Required	21.50	18.04	19.50	15.06	16.50	100
	149	5745	21.51	23.00																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	157	5785	21.64	23.00																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	165	5825	21.68	23.00																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	151	5755	21.18	22.50																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	159	5795	21.12	22.50																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						
	155	5775	20.12	21.50																		21.00	19.00	16.00	13.00	22.00	19.50	16.50	19.50	16.50						



BR / EDR Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	7.21	7.23	7.25	9.00
	CH 39	2441	8.53	7.98	7.99	9.00
	CH 78	2480	6.12	5.45	5.43	7.00

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.88
	CH 19	2440	7.25
	CH 39	2480	5.02
Tune-up Limit			8.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.75
	CH 19	2440	7.58
	CH 39	2480	5.07
Tune-up Limit			8.00

BR / EDR Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.42	9.97	9.96	11.00
	CH 39	2441	11.87	11.16	11.16	12.00
	CH 78	2480	9.11	8.48	8.48	10.00

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.51
	CH 19	2440	9.59
	CH 39	2480	7.36
Tune-up Limit			10.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.60
	CH 19	2440	9.71
	CH 39	2480	7.43
Tune-up Limit			10.00