



Par27Q n77 Ant2 DSI3 Simultaneous PC2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				6333.01					
100	PI2 BPSK	1	1	16.44			17.4	0.0	
100	PI2 BPSK	1	137	16.34					
100	PI2 BPSK	1	271	16.26			13.9	3.5	
100	PI2 BPSK	135	0	16.27					
100	PI2 BPSK	135	69	16.29			17.4	0.0	
100	PI2 BPSK	135	138	16.21			13.9	3.5	
100	PI2 BPSK	270	0	16.31			17.4	0.0	
100	QPSK	1	1	16.48					
100	QPSK	1	137	16.38			17.4	0.0	
100	QPSK	1	271	16.28			13.9	3.5	
100	QPSK	135	0	16.28					
100	QPSK	135	69	16.36			17.4	0.0	
100	QPSK	135	138	16.14			13.9	3.5	
100	QPSK	270	0	16.34			17.4	0.0	
100	16QAM	1	1	16.23			17.4	0.0	
100	16QAM	1	1	16.31			17.4	0.0	
100	256QAM	1	1	16.34			17.4	0.0	
Channel				633000	633334	633668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495			3500.01	3505.02	
90	QPSK	1	1	16.01	16.13	16.15	17.4	0.0	
Channel				3486.01	3500.01	3515.01	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02			3500.01	3510	
80	QPSK	1	1	16.12	16.10	16.14	17.4	0.0	
Channel				632334	633334	634334	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486.01			3500.01	3515.01	
70	QPSK	1	1	16.02	16.17	16.13	17.4	0.0	
Channel				632000	633334	634668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480			3500.01	3520.02	
60	QPSK	1	1	16.00	16.20	16.07	17.4	0.0	
Channel				631668	633334	635000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02			3500.01	3525	
50	QPSK	1	1	16.14	16.16	16.03	17.4	0.0	
Channel				631334	633334	635334	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01			3500.01	3530.01	
40	QPSK	1	1	16.03	16.12	16.10	17.4	0.0	
Channel				631000	633334	635668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465			3500.01	3535.02	
30	QPSK	1	1	16.07	16.19	16.08	17.4	0.0	
Channel				630668	633334	636000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02			3500.01	3540	
20	QPSK	1	1	16.09	16.20	16.03	17.4	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000					
100	PI2 BPSK	1	1	12.95					
100	PI2 BPSK	1	137	13.20			14.4	0.0	
100	PI2 BPSK	1	271	13.15					
100	PI2 BPSK	135	0	13.10			14.4	0.0	
100	PI2 BPSK	135	69	13.11			14.4	0.0	
100	PI2 BPSK	135	138	13.02			14.4	0.0	
100	PI2 BPSK	270	0	13.02					
100	QPSK	1	1	13.21					
100	QPSK	1	137	13.11			14.4	0.0	
100	QPSK	1	271	13.12					
100	QPSK	135	0	13.10			14.4	0.0	
100	QPSK	135	69	13.13			14.4	0.0	
100	QPSK	135	138	12.87			14.4	0.0	
100	QPSK	270	0	13.14					
100	16QAM	1	1	13.01			14.4	0.0	
100	16QAM	1	1	13.17			14.4	0.0	
100	256QAM	1	1	13.06			14.4	0.0	
Channel				649668	650000	650334	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02			3750	3755.01	
90	QPSK	1	1	12.08	12.14	12.06	14.4	0.0	
Channel				649334	650000	650668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01			3750	3760.02	
80	QPSK	1	1	12.98	12.12	12.97	14.4	0.0	
Channel				649000	650000	651000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735			3750	3765	
70	QPSK	1	1	12.97	12.09	12.99	14.4	0.0	
Channel				648668	650000	651334	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02			3750	3770.01	
60	QPSK	1	1	12.03	12.03	12.99	14.4	0.0	
Channel				648334	650000	651668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01			3750	3775.02	
50	QPSK	1	1	12.98	12.11	12.05	14.4	0.0	
Channel				648000	650000	652000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720			3750	3780	
40	QPSK	1	1	12.03	12.14	12.07	14.4	0.0	
Channel				647668	650000	652334	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02			3750	3785.01	
30	QPSK	1	1	12.03	12.02	12.04	14.4	0.0	
Channel				647334	650000	652668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.5			3750	3787.5	
20	QPSK	1	1	12.99	12.11	12.03	14.4	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000					
100	PI2 BPSK	1	1	16.01					
100	PI2 BPSK	1	137	16.30			17.4	0.0	
100	PI2 BPSK	1	271	16.13					
100	PI2 BPSK	135	0	16.16			17.4	0.0	
100	PI2 BPSK	135	69	16.07			17.4	0.0	
100	PI2 BPSK	135	138	16.18			17.4	0.0	
100	PI2 BPSK	270	0	16.14					
100	QPSK	1	1	16.34					
100	QPSK	1	137	16.27			17.4	0.0	
100	QPSK	1	271	16.18					
100	QPSK	135	0	16.22			17.4	0.0	
100	QPSK	135	69	16.20			17.4	0.0	
100	QPSK	135	138	16.02			17.4	0.0	
100	QPSK	270	0	16.10					
100	16QAM	1	1	16.18			17.4	0.0	
100	16QAM	1	1	16.12			17.4	0.0	
100	256QAM	1	1	16.20			17.4	0.0	
Channel				649668	650000	650334	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02			3750	3755.01	
90	QPSK	1	1	16.20	16.12	16.13	17.4	0.0	
Channel				649334	650000	650668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01			3750	3760.02	
80	QPSK	1	1	16.16	16.16	16.19	17.4	0.0	
Channel				649000	650000	651000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735			3750	3765	
70	QPSK	1	1	16.12	16.15	16.18	17.4	0.0	
Channel				648668	650000	651334	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02			3750	3770.01	
60	QPSK	1	1	16.19	16.11	16.20	17.4	0.0	
Channel				648334	650000	651668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01			3750	3775.02	
50	QPSK	1	1	16.18	16.19	16.19	17.4	0.0	
Channel				648000	650000	652000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720			3750	3780	
40	QPSK	1	1	16.19	16.18	16.20	17.4	0.0	
Channel				647668	650000	652334	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02			3750	3785.01	
30	QPSK	1	1	16.10	16.14	16.16	17.4	0.0	
Channel				647334	650000	652668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01			3750	3790.02	
20	QPSK	1	1	16.14	16.11	16.15	17.4	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		13.12			
100	PI2 BPSK	1	137		13.00		14.4	0.0
100	PI2 BPSK	1	271		12.90			
100	PI2 BPSK	135	0		12.89			
100	PI2 BPSK	135	69		12.94		14.4	0.0
100	PI2 BPSK	135	138		12.90			
100	PI2 BPSK	270	0		13.04		14.4	0.0
100	QPSK	1	1		13.32			
100	QPSK	1	137		13.16		14.4	0.0
100	QPSK	1	271		12.98			
100	QPSK	135	0		12.89		14.4	0.0
100	QPSK	135	69		12.95			
100	QPSK	135	138		12.75			
100	QPSK	270	0		13.00		14.4	0.0
100	16QAM	1	1		12.95		14.4	0.0
100	64QAM	1	1		12.98		14.4	0.0
100	256QAM	1	1		12.97		14.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.74	12.83	12.81	14.4	0.0
Channel				632668	633335	634002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1592.01	1600.02	1608		
80	QPSK	1	1	12.74	12.88	12.81	14.4	0.0
Channel				632335	633335	634335	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1588.02	1600.02	1612.02		
70	QPSK	1	1	12.74	12.88	12.81	14.4	0.0
Channel				632000	633335	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1584	1600.02	1616.01		
60	QPSK	1	1	12.74	12.83	12.81	14.4	0.0
Channel				631668	633335	634002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1580.01	1600.02	1620		
50	QPSK	1	1	12.74	12.88	12.81	14.4	0.0
Channel				631335	633335	635335	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1576.02	1600.02	1624.02		
40	QPSK	1	1	12.74	12.83	12.81	14.4	0.0
Channel				631000	633335	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1572	1600.02	1628.01		
30	QPSK	1	1	12.74	12.88	12.81	14.4	0.0
Channel				630668	633335	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1568.01	1600.02	1632		
20	QPSK	1	1	12.74	12.88	12.81	14.4	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		16.17			
100	PI2 BPSK	1	137		16.10		17.4	0.0
100	PI2 BPSK	1	271		16.03			
100	PI2 BPSK	135	0		15.93		13.9	3.5
100	PI2 BPSK	135	69		16.05		17.4	0.0
100	PI2 BPSK	135	138		15.95		13.9	3.5
100	PI2 BPSK	270	0		16.94		17.4	0.0
100	QPSK	1	1		16.34			
100	QPSK	1	137		16.13		17.4	0.0
100	QPSK	1	271		16.01			
100	QPSK	135	0		16.00		13.9	3.5
100	QPSK	135	69		16.13		17.4	0.0
100	QPSK	135	138		15.81		13.9	3.5
100	QPSK	270	0		16.08		17.4	0.0
100	16QAM	1	1		16.00		17.4	0.0
100	64QAM	1	1		16.05		17.4	0.0
100	256QAM	1	1		16.10		17.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.38	15.26	15.29	17.4	0.0
Channel				632668	633335	634002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1590.02	1600.01	1610.01		
80	QPSK	1	1	15.37	15.17	15.33	17.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1586.01	1600.01	1616.01		
70	QPSK	1	1	15.37	15.25	15.31	17.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1580	1600.01	1620.02		
60	QPSK	1	1	15.36	15.16	15.38	17.4	0.0
Channel				631668	633334	634002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1576.02	1600.01	1626		
50	QPSK	1	1	15.44	15.25	15.39	17.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1572.01	1600.01	1632.01		
40	QPSK	1	1	15.42	15.17	15.29	17.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1568	1600.01	1638.02		
30	QPSK	1	1	15.39	15.25	15.30	17.4	0.0
Channel				630668	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1560.02	1600.01	1640		
20	QPSK	1	1	15.33	15.15	15.29	17.4	0.0



Part270 n78_PC3 Ant7 DSI3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	17.88					
100	PI2 BPSK	1	137	18.00			18.9	0.0	
100	PI2 BPSK	1	271	18.04					
100	PI2 BPSK	135	0	18.00			18.9	0.0	
100	PI2 BPSK	135	69	17.89			18.9	0.0	
100	PI2 BPSK	135	138	18.00			18.9	0.0	
100	PI2 BPSK	270	0	18.05			18.9	0.0	
100	QPSK	1	1	18.10					
100	QPSK	1	137	18.04			18.9	0.0	
100	QPSK	1	271	17.83					
100	QPSK	135	0	17.88			18.9	0.0	
100	QPSK	135	69	17.98			18.9	0.0	
100	QPSK	135	138	17.25			18.9	0.0	
100	QPSK	270	0	17.39			18.9	0.0	
100	16QAM	1	1	17.55			18.9	0.0	
100	16QAM	1	1	17.35			18.9	0.0	
100	256QAM	1	1	17.24			18.9	0.0	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	17.02	17.08	17.97	18.9	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	17.00	17.11	17.90	18.9	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.10	17.12	17.90	18.9	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	17.04	17.02	17.90	18.9	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	17.03	17.10	17.95	18.9	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.12	17.11	17.95	18.9	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	17.08	17.12	17.00	18.9	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	17.10	17.14	17.95	18.9	0.0	

Part270 n78_PC2 Ant7 DSI3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	21.40					
100	PI2 BPSK	1	137	21.46			21.9	0.0	
100	PI2 BPSK	1	271	21.36					
100	PI2 BPSK	135	0	21.43			21.9	0.0	
100	PI2 BPSK	135	69	21.37			21.9	0.0	
100	PI2 BPSK	135	138	21.37			21.9	0.0	
100	PI2 BPSK	270	0	21.46			21.9	0.0	
100	QPSK	1	1	21.48					
100	QPSK	1	137	21.42			21.9	0.0	
100	QPSK	1	271	21.33					
100	QPSK	135	0	21.31			21.9	0.0	
100	QPSK	135	69	21.42			21.9	0.0	
100	QPSK	135	138	21.23			21.9	0.0	
100	QPSK	270	0	21.30			21.9	0.0	
100	16QAM	1	1	21.30			21.9	0.0	
100	16QAM	1	1	21.45			21.9	0.0	
100	256QAM	1	1	21.43			21.9	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.12	21.07	20.98	21.9	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.10	21.10	20.96	21.9	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.03	21.08	20.94	21.9	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	21.10	21.11	20.96	21.9	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.08	21.13	20.99	21.9	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.03	21.10	20.97	21.9	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	21.06	21.10	20.96	21.9	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	21.10	21.03	20.97	21.9	0.0	

Part270 n78_PC3 Ant7 DSI3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	17.97					
100	PI2 BPSK	1	137	17.87			18.9	0.0	
100	PI2 BPSK	1	271	17.51					
100	PI2 BPSK	135	0	17.90			18.9	0.0	
100	PI2 BPSK	135	69	17.74			18.9	0.0	
100	PI2 BPSK	135	138	17.80			18.9	0.0	
100	PI2 BPSK	270	0	17.80			18.9	0.0	
100	QPSK	1	1	18.18					
100	QPSK	1	137	17.93			18.9	0.0	
100	QPSK	1	271	17.62					
100	QPSK	135	0	17.77			18.9	0.0	
100	QPSK	135	69	17.86			18.9	0.0	
100	QPSK	135	138	17.60			18.9	0.0	
100	QPSK	270	0	17.65			18.9	0.0	
100	16QAM	1	1	17.77			18.9	0.0	
100	16QAM	1	1	17.83			18.9	0.0	
100	256QAM	1	1	17.78			18.9	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1	17.79	17.88	17.75	18.9	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510.01			
80	QPSK	1	1	17.88	17.80	17.85	18.9	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.01	3500.01	3515.01			
70	QPSK	1	1	17.83	17.88	17.77	18.9	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.75	17.86	17.75	18.9	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.87	17.80	17.72	18.9	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.82	17.83	17.80	18.9	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3535.01			
30	QPSK	1	1	17.83	17.85	17.85	18.9	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.81	17.80	17.74	18.9	0.0	



Part27Q n78_PC2 Ant7 DSI3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
	Channel			633000	633334	633668	limit (dBm)	MPR (dB)	
	Frequency (MHz)			3485	3500.01	3505.02			
100	PV2 BPSK	1	1		21.19		21.9	0.0	
100	PV2 BPSK	1	137		21.04				
100	PV2 BPSK	1	271		20.78		18.4	3.5	
100	PV2 BPSK	135	0		21.08				
100	PV2 BPSK	135	69		20.95		21.9	0.0	
100	PV2 BPSK	135	138		20.80		18.4	3.5	
100	PV2 BPSK	270	0		21.05		21.9	0.0	
100	QPSK	1	1		21.38				
100	QPSK	1	137		21.08		21.9	0.0	
100	QPSK	1	271		20.86				
100	QPSK	135	0		21.01		18.4	3.5	
100	QPSK	135	69		21.02		21.9	0.0	
100	QPSK	135	138		20.79		18.4	3.5	
100	QPSK	270	0		21.00		21.9	0.0	
100	16QAM	1	1		21.35		21.9	0.0	
100	64QAM	1	1		21.30		21.9	0.0	
100	256QAM	1	1		21.28		21.9	0.0	
	Channel			633000	633334	633668	limit (dBm)	MPR (dB)	
	Frequency (MHz)			3485	3500.01	3505.02			
90	QPSK	1	1	21.20	21.19	20.89	21.9	0.0	
	Channel			632985	633334	633680	limit (dBm)	MPR (dB)	
	Frequency (MHz)			3489.02	3500.01	3510			
80	QPSK	1	1	21.13	21.22	21.11	21.9	0.0	
	Channel			632334	633334	634334	limit (dBm)	MPR (dB)	
	Frequency (MHz)			3485.01	3500.01	3485.01			
70	QPSK	1	1	21.15	21.19	21.05	21.9	0.0	
	Channel			632000	633334	634668	limit (dBm)	MPR (dB)	
	Frequency (MHz)			3480	3500.01	3520.02			
60	QPSK	1	1	21.18	21.14	21.08	21.9	0.0	
	Channel			631668	633334	635000	limit (dBm)	MPR (dB)	
	Frequency (MHz)			3475.02	3500.01	3525			
50	QPSK	1	1	21.12	21.17	21.02	21.9	0.0	
	Channel			631334	633334	635334	limit (dBm)	MPR (dB)	
	Frequency (MHz)			3470.01	3500.01	3530.01			
40	QPSK	1	1	21.23	21.14	21.10	21.9	0.0	
	Channel			631000	633334	635668	limit (dBm)	MPR (dB)	
	Frequency (MHz)			3465	3500.01	3535.02			
30	QPSK	1	1	21.23	21.17	21.04	21.9	0.0	
	Channel			630668	633334	636000	limit (dBm)	MPR (dB)	
	Frequency (MHz)			3460.02	3500.01	3540			
20	QPSK	1	1	21.21	21.15	21.00	21.9	0.0	



Part270 n78_PC3 Ant7 DSI3 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	16.22			
100	PI/2 BPSK	1	137	16.37		17.6	0.0
100	PI/2 BPSK	1	271	16.16			
100	PI/2 BPSK	135	0	16.28		17.6	0.0
100	PI/2 BPSK	135	69	16.36		17.6	0.0
100	PI/2 BPSK	135	138	16.04		17.6	0.0
100	PI/2 BPSK	270	0	16.28			
100	QPSK	1	1	16.41			
100	QPSK	1	137	16.16		17.6	0.0
100	QPSK	1	271	16.15			
100	QPSK	135	0	16.22		17.6	0.0
100	QPSK	135	69	16.27		17.6	0.0
100	QPSK	135	138	16.22		17.6	0.0
100	QPSK	270	0	16.43			
100	16QAM	1	1	16.31		17.6	0.0
100	16QAM	1	1	16.32		17.6	0.0
100	256QAM	1	1	16.20		17.6	0.0
Channel				649688	650000	650334	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	16.16	16.37	16.06	17.6
Channel				649334	650000	651000	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	16.24	16.36	16.03	17.6
Channel				649000	650000	651000	
Frequency (MHz)				3735.02	3750	3765.01	
70	QPSK	1	1	16.20	16.38	16.00	17.6
Channel				648688	650000	651334	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	16.20	16.40	16.99	17.6
Channel				648334	650000	651668	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	16.18	16.35	16.08	17.6
Channel				648000	650000	652000	
Frequency (MHz)				3720.02	3750	3780.01	
40	QPSK	1	1	16.23	16.34	15.98	17.6
Channel				647688	650000	652334	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	16.23	16.40	16.05	17.6
Channel				647334	650000	652668	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	16.17	16.34	16.04	17.6

Part270 n78_PC2 Ant7 DSI3 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	19.39			
100	PI/2 BPSK	1	137	19.47		20.6	0.0
100	PI/2 BPSK	1	271	19.23			
100	PI/2 BPSK	135	0	19.44		20.6	0.0
100	PI/2 BPSK	135	69	19.39		20.6	0.0
100	PI/2 BPSK	135	138	19.24		20.6	0.0
100	PI/2 BPSK	270	0	19.32			
100	QPSK	1	1	19.50			
100	QPSK	1	137	19.33		20.6	0.0
100	QPSK	1	271	19.22			
100	QPSK	135	0	19.30		20.6	0.0
100	QPSK	135	69	19.33		20.6	0.0
100	QPSK	135	138	19.29		20.6	0.0
100	QPSK	270	0	19.38			
100	16QAM	1	1	19.38		20.6	0.0
100	16QAM	1	1	19.40		20.6	0.0
100	256QAM	1	1	19.40		20.6	0.0
Channel				648688	650000	650334	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	18.68	18.90	18.96	20.6
Channel				649334	650000	650668	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	19.07	18.94	18.98	20.6
Channel				649000	650000	651000	
Frequency (MHz)				3735.02	3750	3765.01	
70	QPSK	1	1	19.03	18.94	18.96	20.6
Channel				648688	650000	651334	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	19.10	18.91	18.89	20.6
Channel				648334	650000	651668	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	19.02	18.90	18.97	20.6
Channel				648000	650000	652000	
Frequency (MHz)				3720.02	3750	3780.01	
40	QPSK	1	1	19.02	18.97	18.92	20.6
Channel				647688	650000	652334	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	19.09	18.98	18.87	20.6
Channel				647334	650000	652668	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	19.02	18.98	18.94	20.6

Part27Q n78_PC3 Ant7 DSI3 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	PI/2 BPSK	1	1	16.30			
100	PI/2 BPSK	1	137	16.41		17.6	0.0
100	PI/2 BPSK	1	271	16.29			
100	PI/2 BPSK	135	0	16.40		17.6	0.0
100	PI/2 BPSK	135	69	16.39		17.6	0.0
100	PI/2 BPSK	135	138	16.15		17.6	0.0
100	PI/2 BPSK	270	0	16.43			
100	QPSK	1	1	16.45			
100	QPSK	1	137	16.33		17.6	0.0
100	QPSK	1	271	16.23			
100	QPSK	135	0	16.36		17.6	0.0
100	QPSK	135	69	16.40		17.6	0.0
100	QPSK	135	138	16.28		17.6	0.0
100	QPSK	270	0	16.46			
100	16QAM	1	1	16.38		17.6	0.0
100	16QAM	1	1	16.36		17.6	0.0
100	256QAM	1	1	16.33		17.6	0.0
Channel				633000	633334	633668	
Frequency (MHz)				3485	3500.01	3505.02	
90	QPSK	1	1	16.33	16.36	16.15	17.6
Channel				632668	633334	633000	
Frequency (MHz)				3490.02	3500.01	3510.01	
80	QPSK	1	1	16.29	16.40	16.10	17.6
Channel				632334	633334	634334	
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	1	16.24	16.43	16.16	17.6
Channel				632000	633334	634668	
Frequency (MHz)				3480.02	3500.01	3520.02	
60	QPSK	1	1	16.27	16.42	16.10	17.6
Channel				631668	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525.02	
50	QPSK	1	1	16.26	16.32	16.12	17.6
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	1	16.27	16.42	16.15	17.6
Channel				631000	633334	635668	
Frequency (MHz)				3465.02	3500.01	3535.02	
30	QPSK	1	1	16.32	16.41	16.07	17.6
Channel				630668	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540.02	
20	QPSK	1	1	16.30	16.36	16.08	17.6



Part27Q n78_PC2 Ant7 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
	Channel			633000	633334	633668	19.46		
	Frequency (MHz)						3500.01		
100	PV2 BPSK	1	1		19.46				
100	PV2 BPSK	1	137		19.51				
100	PV2 BPSK	1	271		19.34			17.1	3.5
100	PV2 BPSK	135	0		19.54				
100	PV2 BPSK	135	69		19.46			20.6	0.0
100	PV2 BPSK	135	138		19.31			17.1	3.5
100	PV2 BPSK	270	0		19.47			20.6	0.0
100	QPSK	1	1		19.39				
100	QPSK	1	137		19.47				
100	QPSK	1	271		19.31			17.1	3.5
100	QPSK	135	0		19.48				
100	QPSK	135	69		19.49			20.6	0.0
100	QPSK	135	138		19.41			17.1	3.5
100	QPSK	270	0		19.54			20.6	0.0
100	16QAM	1	1		19.43			20.6	0.0
100	64QAM	1	1		19.52			20.6	0.0
100	256QAM	1	1		19.44			20.6	0.0
	Channel			633000	633334	633668	19.46		
	Frequency (MHz)			3485	3500.01	3505.02			
90	QPSK	1	1	19.26	19.38	19.07	20.6		0.0
	Channel			632000	633334	635000	19.46		
	Frequency (MHz)			3490.02	3500.01	3510			
80	QPSK	1	1	19.24	19.39	19.13	20.6		0.0
	Channel			632334	633334	634334	19.46		
	Frequency (MHz)			3485.01	3500.01	3495.01			
70	QPSK	1	1	19.31	19.35	19.14	20.6		0.0
	Channel			632000	633334	634668	19.46		
	Frequency (MHz)			3480	3500.01	3520.02			
60	QPSK	1	1	19.30	19.35	19.18	20.6		0.0
	Channel			631668	633334	635000	19.46		
	Frequency (MHz)			3475.02	3500.01	3525			
50	QPSK	1	1	19.23	19.34	19.18	20.6		0.0
	Channel			631334	633334	635334	19.46		
	Frequency (MHz)			3470.01	3500.01	3530.01			
40	QPSK	1	1	19.24	19.46	19.13	20.6		0.0
	Channel			631000	633334	635668	19.46		
	Frequency (MHz)			3465	3500.01	3535.02			
30	QPSK	1	1	19.23	19.46	19.18	20.6		0.0
	Channel			630668	633334	635000	19.46		
	Frequency (MHz)			3460.02	3500.01	3540			
20	QPSK	1	1	19.25	19.43	19.13	20.6		0.0



n2 Ant0 DSI6 Standalone Reuse Full power

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)			1650	1650	1650		
20	Pl2 BPSK	1	1	19.76	19.95	19.92	21.3	0.0
20	Pl2 BPSK	1	53	19.55	19.60	19.54		
20	Pl2 BPSK	1	104	19.63	19.66	19.56		
20	Pl2 BPSK	50	0	19.61	19.69	19.59	21.3	0.0
20	Pl2 BPSK	50	28	19.56	19.64	19.48	21.3	0.0
20	Pl2 BPSK	50	56	19.54	19.66	19.46		
20	Pl2 BPSK	100	0	19.61	19.76	19.45	21.3	0.0
20	QPSK	1	1	19.96	20.09	19.93		
20	QPSK	1	53	19.54	19.61	19.61	21.3	0.0
20	QPSK	1	104	19.53	19.78	19.76		
20	QPSK	50	0	19.67	19.67	19.69	21.3	0.0
20	QPSK	50	28	19.53	19.79	19.70	21.3	0.0
20	QPSK	50	56	19.47	19.63	19.51		
20	QPSK	100	0	19.68	19.75	19.54	21.3	0.0
20	16QAM	1	1	19.68	19.64	19.69	21.3	0.0
20	16QAM	1	1	19.49	19.69	19.70	21.3	0.0
20	256QAM	1	1	19.85	20.02	19.82	20.0	1.3
Channel								
	Frequency (MHz)			371600	376000	386000		
15	QPSK	1	1	19.43	19.67	19.59	21.3	0.0
Channel								
	Frequency (MHz)			371000	376000	381000		
10	QPSK	1	1	19.55	19.73	19.66	21.3	0.0
Channel								
	Frequency (MHz)			1892.5	1890	1907.5		
5	QPSK	1	1	19.59	19.72	19.63	21.3	0.0

n5 Ant0 DSI6 Standalone Reuse Full power

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	167600		
20	Pl2 BPSK	1	1	22.15	22.27	22.20	24.0	0.0
20	Pl2 BPSK	1	53	22.32	22.11	22.23		
20	Pl2 BPSK	1	104	22.02	22.01	22.32		
20	Pl2 BPSK	50	0	22.04	22.03	22.35	24.0	0.0
20	Pl2 BPSK	50	28	22.10	22.14	22.11	24.0	0.0
20	Pl2 BPSK	50	56	22.34	22.11	22.04		
20	Pl2 BPSK	100	0	22.33	22.14	22.37	24.0	0.0
20	QPSK	1	1	22.22	22.43	22.22		
20	QPSK	1	53	22.07	22.11	22.04	24.0	0.0
20	QPSK	1	104	22.12	22.13	22.05		
20	QPSK	50	0	22.17	22.21	22.01	24.0	0.0
20	QPSK	50	28	22.17	22.22	22.20	24.0	0.0
20	QPSK	50	56	22.12	22.13	22.10		
20	QPSK	100	0	22.12	22.20	22.04	24.0	0.0
20	16QAM	1	1	22.22	22.34	22.34	24.0	0.0
20	16QAM	1	1	22.34	22.12	22.21	23.0	1.0
20	256QAM	1	1	20.02	20.21	20.02	21.0	3.0
Channel								
	Frequency (MHz)			166300	167300	168300		
15	QPSK	1	1	22.16	22.31	22.01	24.0	0.0
Channel								
	Frequency (MHz)			165800	167300	168800		
10	QPSK	1	1	22.06	22.22	22.22	24.0	0.0
Channel								
	Frequency (MHz)			165300	167300	165300		
5	QPSK	1	1	22.20	22.25	22.10	24.0	0.0

n12 Ant0 DSI6 Standalone Reuse Full power

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)			141300	141500	141700		
15	Pl2 BPSK	1	1	23.13	23.12	23.07	24.0	0.0
15	Pl2 BPSK	1	40	23.11	23.15	22.99		
15	Pl2 BPSK	1	77	23.08	23.09	23.03		
15	Pl2 BPSK	36	0	22.67	22.67	22.46	23.5	0.5
15	Pl2 BPSK	36	25	22.96	23.07	22.94	24.0	0.0
15	Pl2 BPSK	36	43	22.62	22.61	22.59		
15	Pl2 BPSK	75	0	22.63	22.72	22.66	23.5	0.5
15	QPSK	1	1	23.16	23.21	23.08		
15	QPSK	1	40	23.17	23.19	23.15	24.0	0.0
15	QPSK	1	77	23.15	23.17	23.05		
15	QPSK	36	0	22.17	22.22	22.03	23.0	1.0
15	QPSK	36	25	23.06	23.15	23.08	24.0	0.0
15	QPSK	36	43	22.10	22.19	22.03		
15	QPSK	75	0	22.28	22.28	22.10	23.0	1.0
15	16QAM	1	1	22.16	22.21	22.03	23.0	1.0
15	16QAM	1	1	20.83	20.97	20.80	21.5	2.5
15	256QAM	1	1	19.68	19.83	19.76	19.5	4.5
Channel								
	Frequency (MHz)			146800	141500	142500		
10	QPSK	1	1	23.08	23.21	23.08	24.0	0.0
Channel								
	Frequency (MHz)			142300	141500	142700		
5	QPSK	1	1	22.96	23.12	23.05	24.0	0.0



n25 Ant0 DSI6 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376500	381000			
Frequency (MHz)				1860	1862.5	1905			
20	PI2 BPSK	1	1	19.92	20.01	19.89			
20	PI2 BPSK	1	53	19.71	19.76	19.70	21.3	0.0	
20	PI2 BPSK	1	104	19.76	19.83	19.67			
20	PI2 BPSK	50	0	19.66	19.72	19.62	21.3	0.0	
20	PI2 BPSK	50	56	19.70	19.75	19.64	21.3	0.0	
20	PI2 BPSK	50	56	19.60	19.75	19.55	21.3	0.0	
20	PI2 BPSK	100	0	19.68	19.80	19.62			
20	QPSK	1	1	20.06	20.15	20.07			
20	QPSK	1	53	19.66	19.75	19.67	21.3	0.0	
20	QPSK	1	104	19.64	19.81	19.81			
20	QPSK	50	0	19.71	19.74	19.79	21.3	0.0	
20	QPSK	50	56	19.66	19.80	19.78	21.3	0.0	
20	QPSK	50	56	19.59	19.71	19.66			
20	QPSK	100	0	19.74	19.78	19.66	21.3	0.0	
20	16QAM	1	1	19.74	19.79	19.75	21.3	0.0	
20	64QAM	1	1	19.63	19.76	19.75	21.3	0.0	
20	256QAM	1	1	19.65	19.74	19.10	21.0	0.3	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1862.5	1907.5			
15	QPSK	1	1	21.06	21.00	21.14	21.3	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1862.5	1910			
10	QPSK	1	1	21.05	21.06	21.10	21.3	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1862.5	1912.5			
5	QPSK	1	1	21.09	21.05	21.08	21.3	0.0	

n26 Ant0 DSI6 Standalone Reuse Full power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164600	166300	167800			
Frequency (MHz)				824	831.5	837			
20	PI2 BPSK	1	1	22.55	22.65	22.49			
20	PI2 BPSK	1	53	22.43	22.58	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.56	22.62	22.45			
20	PI2 BPSK	50	0	22.61	22.67	22.53	24.0	0.0	
20	PI2 BPSK	50	56	22.59	22.64	22.56	24.0	0.0	
20	PI2 BPSK	50	56	22.45	22.56	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.54	22.67	22.61			
20	QPSK	1	1	22.59	22.73	22.66			
20	QPSK	1	53	22.57	22.64	22.52	24.0	0.0	
20	QPSK	1	104	22.62	22.69	22.65			
20	QPSK	50	0	22.59	22.66	22.55	24.0	0.0	
20	QPSK	50	56	22.54	22.72	22.63	24.0	0.0	
20	QPSK	50	56	22.52	22.63	22.48			
20	QPSK	100	0	22.58	22.72	22.57	24.0	0.0	
20	16QAM	1	1	22.63	22.69	22.58	24.0	0.0	
20	64QAM	1	1	21.97	22.09	21.92	23.5	0.5	
20	256QAM	1	1	19.72	19.77	19.59	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	22.42	22.69	22.49	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.45	22.68	22.53	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.53	22.65	22.50	24.0	0.0	

N66 Ant0 DSI6 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	20.67	20.78	20.74			
40	PI2 BPSK	1	108	20.68	20.75	20.76	22.0	0.0	
40	PI2 BPSK	1	214	20.64	20.78	20.69			
40	PI2 BPSK	108	0	20.65	20.78	20.74	22.0	0.0	
40	PI2 BPSK	108	54	20.76	20.76	20.76	22.0	0.0	
40	PI2 BPSK	108	108	20.76	20.86	20.73	22.0	0.0	
40	PI2 BPSK	216	0	20.75	20.75	20.67			
40	QPSK	1	1	20.80	20.88	20.83			
40	QPSK	1	108	20.64	20.81	20.72	22.0	0.0	
40	QPSK	1	214	20.68	20.78	20.65			
40	QPSK	108	0	20.67	20.75	20.65	22.0	0.0	
40	QPSK	108	54	20.67	20.76	20.75	22.0	0.0	
40	QPSK	108	108	20.65	20.73	20.69			
40	QPSK	216	0	20.59	20.66	20.56	22.0	0.0	
40	16QAM	1	1	20.75	20.82	20.67	22.0	0.0	
40	64QAM	1	1	20.67	20.85	20.69	22.0	0.0	
40	256QAM	1	1	19.74	19.86	19.74	21.0	1.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1728	1745	1765			
30	QPSK	1	1	20.64	20.87	20.77	22.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.74	20.82	20.66	22.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.70	20.82	20.66	22.0	0.0	
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1765			
10	QPSK	1	1	20.74	20.77	20.68	22.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	20.64	20.78	20.68	22.0	0.0	



n71 Ant0 DSI6 Standalone Reuse Full power									
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	22.89	22.93	22.75			
20	PI2 BPSK	1	53	22.83	22.99	22.90	24.0	0.0	
20	PI2 BPSK	1	104	22.67	22.79	22.59			
20	PI2 BPSK	50	0	22.74	22.84	22.87	24.0	0.0	
20	PI2 BPSK	50	99	22.91	22.99	22.90	24.0	0.0	
20	PI2 BPSK	50	56	22.77	22.85	22.64	24.0	0.0	
20	PI2 BPSK	100	0	22.92	23.01	22.86			
20	QPSK	1	1	23.02	23.13	22.86			
20	QPSK	1	53	22.89	22.95	22.85	24.0	0.0	
20	QPSK	1	104	22.63	22.70	22.69			
20	QPSK	50	0	22.86	22.85	22.84	24.0	0.0	
20	QPSK	50	99	22.78	22.96	22.81	24.0	0.0	
20	QPSK	50	56	22.85	22.85	22.80	24.0	0.0	
20	QPSK	100	0	22.83	22.97	22.82			
20	16QAM	1	1	22.86	23.08	23.09	24.0	0.0	
20	64QAM	1	1	22.25	22.45	22.34	24.0	0.0	
20	256QAM	1	1	20.11	20.09	20.08	21.0	3.0	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.02	22.85	22.88	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.97	23.06	22.89	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.88	23.04	22.93	24.0	0.0	



n2 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1860	1890	1900			
20	Pl2 BPSK	1	1	18.40	18.25	18.10			
20	Pl2 BPSK	1	53	18.30	18.11	18.04	19.8	0.0	
20	Pl2 BPSK	1	104	18.06	18.21	18.14			
20	Pl2 BPSK	50	0	18.03	18.18	18.07	19.8	0.0	
20	Pl2 BPSK	50	28	18.18	18.14	18.17	19.8	0.0	
20	Pl2 BPSK	50	56	18.09	18.02	18.03			
20	Pl2 BPSK	100	0	18.13	18.13	18.43	19.8	0.0	
20	QPSK	1	1	18.35	18.47	18.17			
20	QPSK	1	53	18.15	18.16	18.13	19.8	0.0	
20	QPSK	1	104	18.22	18.16	18.17			
20	QPSK	50	0	18.15	18.08	18.14	19.8	0.0	
20	QPSK	50	28	18.00	18.16	18.06	19.8	0.0	
20	QPSK	50	56	18.00	18.08	18.03			
20	QPSK	100	0	18.10	18.20	18.07			
20	16QAM	1	1	18.33	18.21	18.35	19.8	0.0	
20	16QAM	1	1	18.31	18.07	18.13	19.8	0.0	
20	256QAM	1	1	18.06	18.16	18.00	19.8	0.0	
Channel				371800	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dB)		
15	QPSK	1	1	18.10	18.12	18.13	19.8	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1905	(dB)		
10	QPSK	1	1	18.10	18.12	18.07	19.8	0.0	
Channel				372500	376000	376500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1892.5	1880	1907.5	(dB)		
5	QPSK	1	1	18.11	18.11	18.06	19.8	0.0	

n5 Ant0 DSI6 Simultaneous Reuse Full power									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.			
Channel				166800	167900	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.15	22.27	22.20			
20	Pl2 BPSK	1	53	22.32	22.11	22.23	24.0	0.0	
20	Pl2 BPSK	1	104	22.02	22.01	22.32			
20	Pl2 BPSK	50	0	22.04	22.03	22.35	24.0	0.0	
20	Pl2 BPSK	50	28	22.10	22.14	22.11	24.0	0.0	
20	Pl2 BPSK	50	56	22.34	22.11	22.04			
20	Pl2 BPSK	100	0	22.33	22.14	22.37	24.0	0.0	
20	QPSK	1	1	22.22	22.43	22.22			
20	QPSK	1	53	22.07	22.11	22.04	24.0	0.0	
20	QPSK	1	104	22.12	22.13	22.05			
20	QPSK	50	0	22.17	22.21	22.01	24.0	0.0	
20	QPSK	50	28	22.17	22.22	22.20	24.0	0.0	
20	QPSK	50	56	22.12	22.13	22.10			
20	QPSK	100	0	22.12	22.20	22.04	24.0	0.0	
20	16QAM	1	1	22.22	22.34	22.34	24.0	0.0	
20	16QAM	1	1	22.34	22.12	22.21	23.0	1.0	
20	256QAM	1	1	20.02	20.21	20.02	21.0	3.0	
Channel				166300	167900	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dB)		
15	QPSK	1	1	22.16	22.31	22.01	24.0	0.0	
Channel				165800	167900	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dB)		
10	QPSK	1	1	22.06	22.22	22.22	24.0	0.0	
Channel				165300	167900	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dB)		
5	QPSK	1	1	22.20	22.25	22.10	24.0	0.0	

n12 Ant0 DSI6 Simultaneous Reuse Full power									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.			
Channel				141900	141500	141700			
Frequency (MHz)				704.5	707.5	708.5			
15	Pl2 BPSK	1	1	23.13	23.12	23.07			
15	Pl2 BPSK	1	40	23.11	23.15	22.99	24.0	0.0	
15	Pl2 BPSK	1	77	23.08	23.09	23.03			
15	Pl2 BPSK	36	0	22.67	22.87	22.46	23.5	0.5	
15	Pl2 BPSK	36	25	22.96	23.07	22.94	24.0	0.0	
15	Pl2 BPSK	36	43	22.62	22.81	22.59			
15	Pl2 BPSK	75	0	22.63	22.72	22.66	23.5	0.5	
15	QPSK	1	1	23.16	23.21	23.08			
15	QPSK	1	40	23.17	23.19	23.15	24.0	0.0	
15	QPSK	1	77	23.15	23.17	23.05			
15	QPSK	36	0	22.17	22.22	22.03	23.0	1.0	
15	QPSK	36	25	23.06	23.15	23.08	24.0	0.0	
15	QPSK	36	43	22.10	22.19	22.03			
15	QPSK	75	0	22.28	22.28	22.10	23.0	1.0	
15	16QAM	1	1	22.16	22.21	22.03	23.0	1.0	
15	16QAM	1	1	20.83	20.97	20.80	21.5	2.5	
15	256QAM	1	1	18.05	18.83	18.76	19.5	4.5	
Channel				140800	141500	142500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				704	707.5	711	(dB)		
10	QPSK	1	1	23.08	23.21	23.08	24.0	0.0	
Channel				140300	141500	142000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dB)		
5	QPSK	1	1	22.96	23.12	23.05	24.0	0.0	



n25 Ant0 DSI6 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376500	381000			
Frequency (MHz)				1800	1825	1905			
20	PI2 BPSK	1	1	18.37	18.40	18.20			
20	PI2 BPSK	1	53	18.16	18.28	18.22	19.8	0.0	
20	PI2 BPSK	1	104	18.33	18.40	18.31			
20	PI2 BPSK	50	0	18.30	18.38	18.25	19.8	0.0	
20	PI2 BPSK	50	56	18.17	18.31	18.22	19.8	0.0	
20	PI2 BPSK	50	56	18.28	18.28	18.16	19.8	0.0	
20	PI2 BPSK	100	0	18.26	18.32	18.19			
20	QPSK	1	1	18.69	18.70	18.33			
20	QPSK	1	53	18.30	18.38	18.33	19.8	0.0	
20	QPSK	1	104	18.38	18.43	18.30			
20	QPSK	50	0	18.30	18.33	18.30	19.8	0.0	
20	QPSK	50	56	18.26	18.38	18.21	19.8	0.0	
20	QPSK	50	56	18.27	18.34	18.27			
20	QPSK	100	0	18.33	18.41	18.30			
20	16QAM	1	1	18.42	18.37	18.38	19.8	0.0	
20	16QAM	1	1	18.32	18.29	18.31	19.8	0.0	
20	256QAM	1	1	18.32	18.38	18.25	19.8	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1875	1825	1907.5			
15	QPSK	1	1	18.26	18.24	18.28	19.8	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1825	1910			
10	QPSK	1	1	18.21	18.15	18.21	19.8	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1825	1912.5			
5	QPSK	1	1	18.25	18.29	18.21	19.8	0.0	

n26 Ant0 DSI6 Simultaneous Reuse Full power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164600	166300	167800			
Frequency (MHz)				824	831.5	837			
20	PI2 BPSK	1	1	22.55	22.65	22.49			
20	PI2 BPSK	1	53	22.43	22.58	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.56	22.62	22.45			
20	PI2 BPSK	50	0	22.61	22.67	22.53	24.0	0.0	
20	PI2 BPSK	50	56	22.59	22.64	22.56	24.0	0.0	
20	PI2 BPSK	50	56	22.45	22.56	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.54	22.67	22.61			
20	QPSK	1	1	22.59	22.73	22.66			
20	QPSK	1	53	22.57	22.64	22.52	24.0	0.0	
20	QPSK	1	104	22.62	22.69	22.65			
20	QPSK	50	0	22.59	22.66	22.55	24.0	0.0	
20	QPSK	50	56	22.54	22.72	22.63	24.0	0.0	
20	QPSK	50	56	22.52	22.63	22.48			
20	QPSK	100	0	22.58	22.72	22.57			
20	16QAM	1	1	22.63	22.69	22.58	24.0	0.0	
20	16QAM	1	1	21.97	22.09	21.92	23.5	0.5	
20	256QAM	1	1	18.72	18.77	18.59	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	PI2 BPSK	1	1	22.42	22.69	22.49	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	PI2 BPSK	1	1	22.45	22.68	22.53	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	PI2 BPSK	1	1	22.53	22.65	22.50	24.0	0.0	

n66 Ant0 DSI6 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	18.79	18.84	18.71			
40	PI2 BPSK	1	108	18.37	18.47	18.35	20.5	0.0	
40	PI2 BPSK	1	214	18.54	18.61	18.54			
40	PI2 BPSK	108	0	18.44	18.55	18.48	20.5	0.0	
40	PI2 BPSK	108	54	18.44	18.52	18.44	20.5	0.0	
40	PI2 BPSK	108	108	18.48	18.62	18.54	20.5	0.0	
40	PI2 BPSK	216	0	18.41	18.51	18.39			
40	QPSK	1	1	18.69	18.50	18.75			
40	QPSK	1	108	18.46	18.53	18.45	20.5	0.0	
40	QPSK	1	214	18.57	18.63	18.52			
40	QPSK	108	0	18.67	18.57	18.74	20.5	0.0	
40	QPSK	108	54	18.51	18.61	18.48	20.5	0.0	
40	QPSK	108	108	18.69	18.66	18.56			
40	QPSK	216	0	18.65	18.71	18.64			
40	16QAM	1	1	18.54	18.62	18.53	20.5	0.0	
40	16QAM	1	1	18.63	18.77	18.71	20.5	0.0	
40	256QAM	1	1	18.67	18.75	18.78	20.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.55	18.71	18.69	20.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.49	18.73	18.60	20.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.57	18.62	18.58	20.5	0.0	
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.47	18.67	18.59	20.5	0.0	
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	18.51	18.64	18.61	20.5	0.0	



71 Ant0 DSI6 Simultaneous Reuse Full power									
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	22.89	22.93	22.75			
20	PI2 BPSK	1	53	22.83	22.99	22.90	24.0	0.0	
20	PI2 BPSK	1	104	22.67	22.79	22.59			
20	PI2 BPSK	50	0	22.74	22.84	22.87	24.0	0.0	
20	PI2 BPSK	50	99	22.91	22.99	22.90	24.0	0.0	
20	PI2 BPSK	50	56	22.77	22.85	22.64	24.0	0.0	
20	PI2 BPSK	100	0	22.92	23.01	22.86			
20	QPSK	1	1	23.02	23.13	22.86			
20	QPSK	1	53	22.89	22.95	22.85	24.0	0.0	
20	QPSK	1	104	22.63	22.70	22.69			
20	QPSK	50	0	22.86	22.85	22.84	24.0	0.0	
20	QPSK	50	99	22.78	22.96	22.81	24.0	0.0	
20	QPSK	50	56	22.85	22.85	22.80	24.0	0.0	
20	QPSK	100	0	22.83	22.97	22.82			
20	16QAM	1	1	22.86	23.08	23.09	24.0	0.0	
20	64QAM	1	1	22.25	22.45	22.34	24.0	0.0	
20	256QAM	1	1	20.11	20.09	20.08	21.0	3.0	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.02	22.85	22.88	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.97	23.06	22.89	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.88	23.04	22.93	24.0	0.0	



n41 Ant0 DSI6 Standalone Reuse Full power PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.96	23.11	22.98			
100	PI/2 BPSK	1	137	23.22	23.26	23.23	24.0	0.0	
100	PI/2 BPSK	1	271	23.02	23.14	23.16			
100	PI/2 BPSK	135	0	22.79	22.78	22.66	23.5	0.5	
100	PI/2 BPSK	135	69	23.04	23.19	23.08	24.0	0.0	
100	PI/2 BPSK	135	138	22.73	22.75	22.68	23.5	0.5	
100	PI/2 BPSK	270	0	22.53	22.72	22.63			
100	QPSK	1	1	23.21	23.33	23.25			
100	QPSK	1	137	23.06	23.17	23.00	24.0	0.0	
100	QPSK	1	271	23.21	23.23	23.16			
100	QPSK	135	0	22.20	22.22	22.07	23.0	1.0	
100	QPSK	135	69	23.06	23.14	23.02	24.0	0.0	
100	QPSK	135	138	22.21	22.21	22.22	23.0	1.0	
100	QPSK	270	0	22.06	22.14	22.02			
100	16QAM	1	1	22.34	22.42	22.39	23.0	1.0	
100	64QAM	1	1	20.69	20.86	20.71	21.5	2.5	
100	256QAM	1	1	18.47	18.61	18.56	19.5	4.5	
Channel				508200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.20	23.17	23.13	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.15	23.24	23.23	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.12	23.27	23.16	24.0	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.14	23.25	23.23	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.04	23.31	23.11	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.23	23.15	23.15	24.0	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.08	23.31	23.16	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.13	23.32	23.20	24.0	0.0	

n41 Ant0 DSI6 Standalone PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.99	23.18	23.05			
100	PI/2 BPSK	1	137	23.30	23.40	23.39	24.7	0.0	
100	PI/2 BPSK	1	271	23.11	23.28	23.28			
100	PI/2 BPSK	135	0	22.85	22.81	22.69	24.7	0.0	
100	PI/2 BPSK	135	69	23.18	23.24	23.13	24.7	0.0	
100	PI/2 BPSK	135	138	22.80	22.89	22.73	24.7	0.0	
100	PI/2 BPSK	270	0	22.69	22.76	22.67			
100	QPSK	1	1	23.27	23.41	23.27			
100	QPSK	1	137	23.13	23.29	23.11	24.7	0.0	
100	QPSK	1	271	23.23	23.26	23.26			
100	QPSK	135	0	22.32	22.26	22.10	24.7	0.0	
100	QPSK	135	69	23.14	23.29	23.06	24.7	0.0	
100	QPSK	135	138	22.35	22.27	22.33	24.7	0.0	
100	QPSK	270	0	22.18	22.20	22.08			
100	16QAM	1	1	22.40	22.55	22.55	24.7	0.0	
100	64QAM	1	1	22.07	22.19	22.07	24.5	0.2	
100	256QAM	1	1	22.03	22.11	21.99	22.5	2.2	
Channel				508200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.06	22.03	22.01	24.7	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	21.99	22.08	21.97	24.7	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.99	22.10	21.95	24.7	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.01	22.11	21.98	24.7	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.99	22.04	21.95	24.7	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.07	22.06	21.94	24.7	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.98	22.02	22.03	24.7	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.06	22.07	21.98	24.7	0.0	



n41 Ant0 DS16 Simultaneous PC3								
BW [MHz]	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)				2548.01	2592.99	2640		
100	PV2 BPSK	1	1	21.70	21.87	21.78		
100	PV2 BPSK	1	137	21.81	21.84	21.73	23.2	0.0
100	PV2 BPSK	1	271	21.69	21.79	21.82		
100	PV2 BPSK	135	0	21.83	21.80	21.80	23.2	0.0
100	PV2 BPSK	135	69	21.72	21.82	21.71	23.2	0.0
100	PV2 BPSK	135	138	21.72	21.77	21.79	23.2	0.0
100	PV2 BPSK	270	0	21.85	21.94	21.83		
100	QPSK	1	1	22.07	22.19	22.08		
100	QPSK	1	137	21.69	21.89	21.71	23.2	0.0
100	QPSK	1	271	21.78	21.93	21.83		
100	QPSK	135	0	21.79	21.81	21.78	23.0	0.2
100	QPSK	135	69	21.78	21.92	21.73	23.2	0.0
100	QPSK	135	138	21.76	21.89	21.74	23.0	0.2
100	QPSK	270	0	21.81	21.89	21.82		
100	16QAM	1	1	21.77	21.74	21.72	23.0	0.2
100	64QAM	1	1	20.58	20.71	20.66	21.5	1.7
100	256QAM	1	1	18.29	18.37	18.23	19.5	3.7
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.07	22.10	22.06	23.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.06	22.18	22.11	23.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.12	22.08	22.11	23.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.10	22.13	22.14	23.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.06	22.16	22.08	23.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.06	22.09	22.14	23.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.06	22.17	22.07	23.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.10	22.10	22.07	23.2	0.0

n41 Ant0 DS16 Simultaneous PC2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PV2 BPSK	1	1	22.12	22.17	22.08		
100	PV2 BPSK	1	137	22.01	22.08	22.00	23.2	0.0
100	PV2 BPSK	1	271	21.95	22.07	21.95		
100	PV2 BPSK	135	0	21.94	22.09	22.03	23.2	0.0
100	PV2 BPSK	135	69	22.03	22.11	22.04	23.2	0.0
100	PV2 BPSK	135	138	21.97	22.09	21.99	23.2	0.0
100	PV2 BPSK	270	0	21.93	22.03	21.90		
100	QPSK	1	1	22.20	22.31	22.26		
100	QPSK	1	137	21.99	22.06	21.93	23.2	0.0
100	QPSK	1	271	21.97	22.04	21.98		
100	QPSK	135	0	21.87	22.03	21.88	23.0	0.2
100	QPSK	135	69	21.96	22.11	21.89	23.2	0.0
100	QPSK	135	138	21.97	22.05	21.97	23.0	0.2
100	QPSK	270	0	21.96	22.06	21.93		
100	16QAM	1	1	22.05	22.13	22.03	23.2	0.0
100	64QAM	1	1	22.07	22.19	22.07	23.2	0.0
100	256QAM	1	1	21.79	21.93	21.85	22.5	0.7
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.06	22.03	22.01	23.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.99	22.08	21.97	23.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.99	22.10	21.95	23.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.01	22.11	21.98	23.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.99	22.04	21.95	23.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.07	22.06	21.94	23.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.98	22.02	22.03	23.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.06	22.07	21.98	23.2	0.0



n2 Ant1 DSI6 Standalone power

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.		
Channel								
Frequency (MHz)				1600	1600	1600		
20	PI2 BPSK	1	1	21.47	21.50	21.43		
20	PI2 BPSK	1	53	21.18	21.29	21.19	22.8	0.0
20	PI2 BPSK	1	104	21.26	21.35	21.25		
20	PI2 BPSK	50	0	21.13	21.25	21.17	22.8	0.0
20	PI2 BPSK	50	28	21.15	21.26	21.15	22.8	0.0
20	PI2 BPSK	50	56	21.14	21.25	21.13		
20	PI2 BPSK	100	0	21.18	21.24	21.18	22.8	0.0
20	QPSK	1	1	21.42	21.49	21.46		
20	QPSK	1	53	21.18	21.27	21.15	22.8	0.0
20	QPSK	1	104	21.22	21.37	21.28		
20	QPSK	50	0	21.22	21.27	21.27	22.8	0.0
20	QPSK	50	28	21.14	21.26	21.13	22.8	0.0
20	QPSK	50	56	21.11	21.23	21.14		
20	QPSK	100	0	21.21	21.31	21.24	22.8	0.0
20	16QAM	1	1	21.27	21.37	21.24	22.8	0.0
20	16QAM	1	1	21.16	21.32	21.19	22.8	0.0
20	256QAM	1	1	19.75	19.81	19.75	21.0	1.8
Channel								
Frequency (MHz)				371600	376000	380500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.33	21.22	21.25	22.8	0.0
Channel								
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.25	21.26	21.21	22.8	0.0
Channel								
Frequency (MHz)				370500	376000	376500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.23	21.26	21.23	22.8	0.0

n5 Ant1 DSI6 Standalone Reuse Full power

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.		
Channel								
Frequency (MHz)				166800	167300	167800		
20	PI2 BPSK	1	1	22.07	22.21	22.15		
20	PI2 BPSK	1	53	22.86	22.95	22.79	24.0	0.0
20	PI2 BPSK	1	104	22.92	22.98	22.86		
20	PI2 BPSK	50	0	22.97	23.05	22.87	24.0	0.0
20	PI2 BPSK	50	28	23.05	23.01	23.01	24.0	0.0
20	PI2 BPSK	50	56	22.89	23.05	22.97		
20	PI2 BPSK	100	0	22.86	23.02	22.84	24.0	0.0
20	QPSK	1	1	23.25	23.39	23.29		
20	QPSK	1	53	23.02	23.02	22.94	24.0	0.0
20	QPSK	1	104	23.08	23.05	22.92		
20	QPSK	50	0	23.04	23.12	22.93	24.0	0.0
20	QPSK	50	28	23.19	23.22	23.15	24.0	0.0
20	QPSK	50	56	23.12	23.19	23.10		
20	QPSK	100	0	23.02	23.20	23.14	24.0	0.0
20	16QAM	1	1	23.16	23.19	23.24	24.0	0.0
20	16QAM	1	1	22.31	22.52	22.44	23.0	1.8
20	256QAM	1	1	19.94	20.22	19.95	21.0	3.0
Channel								
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.16	23.31	23.01	24.0	0.0
Channel								
Frequency (MHz)				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.06	23.28	23.22	24.0	0.0
Channel								
Frequency (MHz)				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.20	23.25	23.10	24.0	0.0

n7 Ant1 DSI6 Standalone power

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.		
Channel								
Frequency (MHz)				506000	507000	510000		
40	PI2 BPSK	1	1	21.31	21.39	21.29		
40	PI2 BPSK	1	108	21.02	21.09	20.96	22.2	0.0
40	PI2 BPSK	1	214	21.12	21.22	21.12		
40	PI2 BPSK	108	0	21.02	21.10	20.98	22.2	0.0
40	PI2 BPSK	108	54	20.95	21.01	20.95	22.2	0.0
40	PI2 BPSK	108	108	20.98	21.09	20.95		
40	PI2 BPSK	216	0	20.92	21.05	20.94	22.2	0.0
40	QPSK	1	1	21.33	21.42	21.36		
40	QPSK	1	108	20.94	21.06	20.95	22.2	0.0
40	QPSK	1	214	21.04	21.18	21.12		
40	QPSK	108	0	21.10	21.13	21.10	22.2	0.0
40	QPSK	108	54	20.99	21.15	21.04	22.2	0.0
40	QPSK	108	108	20.95	21.12	21.04		
40	QPSK	216	0	20.99	21.08	20.94	22.2	0.0
40	16QAM	1	1	21.26	21.33	21.23	22.2	0.0
40	16QAM	1	1	20.96	21.27	20.95	22.2	0.0
40	256QAM	1	1	20.05	20.07	19.99	21.0	1.2
Channel								
Frequency (MHz)				0	507000	0	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.15	22.35	22.55	22.2	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.23	21.33	21.21	22.2	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.21	21.29	21.22	22.2	0.0
Channel								
Frequency (MHz)				507000	507000	512500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.25	21.36	21.22	22.2	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.26	21.32	21.28	22.2	0.0
Channel								
Frequency (MHz)				506500	507000	513500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.25	21.30	21.26	22.2	0.0



n25 Ant1 DSI6 Standalone power									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				372000	376500	381000			
Frequency (MHz)				1860	1862.5	1905			
20	PI2 BPSK	1	1	21.67	21.68	21.60			
20	PI2 BPSK	1	63	21.59	21.67	21.63	22.8	0.0	
20	PI2 BPSK	1	104	21.64	21.66	21.59			
20	PI2 BPSK	50	0	21.62	21.64	21.59	22.8	0.0	
20	PI2 BPSK	50	98	21.57	21.74	21.62	22.8	0.0	
20	PI2 BPSK	50	56	21.60	21.67	21.60			
20	PI2 BPSK	100	0	21.57	21.67	21.64	22.8	0.0	
20	QPSK	1	1	21.72	21.78	21.75			
20	QPSK	1	63	21.62	21.75	21.60	22.8	0.0	
20	QPSK	1	104	21.66	21.64	21.71			
20	QPSK	50	0	21.61	21.62	21.66	22.8	0.0	
20	QPSK	50	98	21.56	21.71	21.66	22.8	0.0	
20	QPSK	50	56	21.60	21.63	21.66			
20	QPSK	100	0	21.41	21.51	21.44	22.8	0.0	
20	16QAM	1	1	21.59	21.72	21.67	22.8	0.0	
20	64QAM	1	1	21.66	21.72	21.62	22.8	0.0	
20	256QAM	1	1	20.13	20.19	20.15	21.0	1.5	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1862.5	1907.5			
15	QPSK	1	1	21.80	21.84	21.83	22.8	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1862.5	1910			
10	QPSK	1	1	21.05	21.06	21.09	22.8	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1862.5	1912.5			
5	QPSK	1	1	21.05	21.04	21.04	22.8	0.0	

n30 Ant1 DSI6 Standalone power									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				461500	465000	468500			
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	21.19					
10	PI2 BPSK	1	26	20.81			22.7	0.0	
10	PI2 BPSK	1	50	20.77					
10	PI2 BPSK	25	0	20.74			22.7	0.0	
10	PI2 BPSK	25	14	20.73			22.7	0.0	
10	PI2 BPSK	25	27	20.75			22.7	0.0	
10	PI2 BPSK	50	0	20.74					
10	QPSK	1	1	21.22					
10	QPSK	1	26	20.83			22.7	0.0	
10	QPSK	1	50	20.87					
10	QPSK	25	0	20.79			22.7	0.0	
10	QPSK	25	14	20.85			22.7	0.0	
10	QPSK	25	27	20.81			22.7	0.0	
10	QPSK	50	0	20.76			22.7	0.0	
10	16QAM	1	1	20.86			22.7	0.0	
10	64QAM	1	1	21.02		21.5	1.2		
10	256QAM	1	1	19.04		19.5	3.2		
Channel				461500	465000	468500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	20.11	20.10	20.15	22.7	0.0	

n66 Ant1 DSI6 Standalone power									
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	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	21.66	21.61	21.74			
40	PI2 BPSK	1	108	21.68	21.63	21.77	23.0	0.0	
40	PI2 BPSK	1	214	21.70	21.66	21.78			
40	PI2 BPSK	108	0	21.70	21.63	21.78	23.0	0.0	
40	PI2 BPSK	108	94	21.63	21.76	21.75	23.0	0.0	
40	PI2 BPSK	108	108	21.70	21.63	21.74	23.0	0.0	
40	PI2 BPSK	216	0	21.67	21.79	21.72			
40	QPSK	1	1	21.67	21.91	21.81			
40	QPSK	1	108	21.72	21.77	21.78	23.0	0.0	
40	QPSK	1	214	21.64	21.78	21.77			
40	QPSK	108	0	21.66	21.79	21.80	23.0	0.0	
40	QPSK	108	94	21.62	21.86	21.77	23.0	0.0	
40	QPSK	108	108	21.64	21.79	21.79	23.0	0.0	
40	QPSK	216	0	21.67	21.86	21.77			
40	16QAM	1	1	21.67	21.76	21.76	23.0	0.0	
40	64QAM	1	1	21.22	21.36	21.22	23.0	0.0	
40	256QAM	1	1	20.12	20.29	20.17	21.0	2.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	21.58	21.62	21.63	23.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	21.58	21.52	21.63	23.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	21.58	21.52	21.63	23.0	0.0	
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.58	21.52	21.63	23.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	21.58	21.52	21.63	23.0	0.0	



n71 Ant1 DSI6 Standalone Reuse Full power								
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	685		
20	PI2 BPSK	1	1	22.60	22.78	22.79		
20	PI2 BPSK	1	53	22.65	22.87	22.79	24.0	0.0
20	PI2 BPSK	1	104	22.63	22.65	22.55		
20	PI2 BPSK	50	0	22.64	22.84	22.85	24.0	0.0
20	PI2 BPSK	50	99	22.67	22.88	22.77	24.0	0.0
20	PI2 BPSK	50	56	22.80	22.81	22.61	24.0	0.0
20	PI2 BPSK	100	0	22.69	22.86	22.65		
20	QPSK	1	1	22.73	22.92	22.86		
20	QPSK	1	53	22.81	22.85	22.79	24.0	0.0
20	QPSK	1	104	22.61	22.67	22.65		
20	QPSK	50	0	22.80	22.83	22.81	24.0	0.0
20	QPSK	50	99	22.75	22.87	22.71	24.0	0.0
20	QPSK	50	56	22.61	22.81	22.81	24.0	0.0
20	QPSK	100	0	22.66	22.83	22.68		
20	16QAM	1	1	22.70	22.86	22.69	24.0	0.0
20	64QAM	1	1	22.79	22.95	22.71	23.0	1.0
20	256QAM	1	1	20.05	20.05	20.00	21.0	3.0
Channel				134100	136100	138100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.71	22.83	22.68	24.0	0.0
Channel				133500	136100	135500		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.55	22.84	22.73	24.0	0.0
Channel				133100	135100	133100		
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.59	22.84	22.70	24.0	0.0



n2 Ant1 DSI6 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq	Middle Ch. F.Freq	High Ch. F.Freq			
Channel									
Frequency (MHz)				1600	1600	1600			
20	Pi2 BPSK	1	1	19.74	20.01	19.94			
20	Pi2 BPSK	1	53	19.92	19.81	19.92	21.3	0.0	
20	Pi2 BPSK	1	104	19.84	20.02	19.93			
20	Pi2 BPSK	50	0	19.83	19.88	19.89	21.3	0.0	
20	Pi2 BPSK	50	28	20.02	19.92	19.93	21.3	0.0	
20	Pi2 BPSK	50	56	19.81	19.91	19.73	21.3	0.0	
20	Pi2 BPSK	100	0	19.77	19.96	19.89			
20	QPSK	1	1	20.00	20.15	20.00			
20	QPSK	1	53	19.99	19.96	19.96	21.3	0.0	
20	QPSK	1	104	19.99	20.10	19.92			
20	QPSK	50	0	19.89	19.95	19.87	21.3	0.0	
20	QPSK	50	28	19.89	19.97	19.90	21.3	0.0	
20	QPSK	50	56	19.77	19.94	19.94	21.3	0.0	
20	QPSK	100	0	19.78	19.97	19.82			
20	16QAM	1	1	19.85	19.84	19.94	21.3	0.0	
20	16QAM	1	1	19.86	20.05	20.02	21.3	0.0	
20	256QAM	1	1	19.95	20.02	19.92	21.0	0.3	
Channel									
Frequency (MHz)				371600	376000	386000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.91	20.10	19.90	21.3	0.0	
Channel									
Frequency (MHz)				371000	370000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.65	18.80	18.65	21.3	0.0	
Channel									
Frequency (MHz)				1892.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.87	20.06	19.91	21.3	0.0	

n5 Ant1 DSI6 Simultaneous Reuse Full power									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq	Middle Ch. F.Freq	High Ch. F.Freq			
Channel									
Frequency (MHz)				166800	167300	167600			
20	Pi2 BPSK	1	1	22.07	22.21	22.15			
20	Pi2 BPSK	1	53	22.86	22.95	22.79	24.0	0.0	
20	Pi2 BPSK	1	104	22.92	22.98	22.86			
20	Pi2 BPSK	50	0	22.97	23.05	22.87	24.0	0.0	
20	Pi2 BPSK	50	28	23.05	23.01	23.01	24.0	0.0	
20	Pi2 BPSK	50	56	22.89	23.05	22.97	24.0	0.0	
20	Pi2 BPSK	100	0	22.86	23.02	22.84			
20	QPSK	1	1	23.25	23.39	23.29			
20	QPSK	1	53	23.02	23.02	22.94	24.0	0.0	
20	QPSK	1	104	23.08	23.05	22.92			
20	QPSK	50	0	23.04	23.12	22.93	24.0	0.0	
20	QPSK	50	28	23.19	23.22	23.15	24.0	0.0	
20	QPSK	50	56	23.12	23.19	23.10	24.0	0.0	
20	QPSK	100	0	23.02	23.20	23.14			
20	16QAM	1	1	23.16	23.19	23.24	24.0	0.0	
20	16QAM	1	1	22.31	22.52	22.44	23.0	1.0	
20	256QAM	1	1	19.94	20.22	19.95	21.0	3.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.16	23.31	23.01	24.0	0.0	
Channel									
Frequency (MHz)				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.06	23.28	23.22	24.0	0.0	
Channel									
Frequency (MHz)				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.20	23.25	23.10	24.0	0.0	

n7 Ant1 DSI6 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq	Middle Ch. F.Freq	High Ch. F.Freq			
Channel									
Frequency (MHz)				506000	507000	510000			
40	Pi2 BPSK	1	1	19.43	19.23	19.43			
40	Pi2 BPSK	1	108	19.28	19.41	19.32	20.7	0.0	
40	Pi2 BPSK	1	214	19.40	19.43	19.41			
40	Pi2 BPSK	108	0	19.04	19.32	19.11	20.7	0.0	
40	Pi2 BPSK	108	54	19.24	19.32	19.18	20.7	0.0	
40	Pi2 BPSK	108	108	19.12	19.26	19.19	20.7	0.0	
40	Pi2 BPSK	216	0	19.27	19.34	19.34			
40	QPSK	1	1	19.43	19.87	19.42			
40	QPSK	1	108	19.36	19.33	19.22	20.7	0.0	
40	QPSK	1	214	19.37	19.40	19.31			
40	QPSK	108	0	19.13	19.26	19.15	20.7	0.0	
40	QPSK	108	54	19.31	19.66	19.34	20.7	0.0	
40	QPSK	108	108	19.17	19.26	19.30	20.7	0.0	
40	QPSK	216	0	19.09	19.21	19.11			
40	16QAM	1	1	19.38	19.42	19.31	20.7	0.0	
40	16QAM	1	1	19.15	19.31	19.29	20.7	0.0	
40	256QAM	1	1	19.06	19.35	19.13	20.7	0.0	
Channel									
Frequency (MHz)				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.01	19.19	19.08	20.7	0.0	
Channel									
Frequency (MHz)				505500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.97	19.08	19.08	20.7	0.0	
Channel									
Frequency (MHz)				505000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.97	19.21	19.00	20.7	0.0	
Channel									
Frequency (MHz)				504500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.05	19.07	18.98	20.7	0.0	
Channel									
Frequency (MHz)				504000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.99	19.15	18.97	20.7	0.0	
Channel									
Frequency (MHz)				503500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.01	19.10	19.08	20.7	0.0	



n25 Ant1 DSI6 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel				372000	376500	381000				
Frequency (MHz)				1800	1825	1905				
20	PI2 BPSK	1	1	19.94	20.15	20.09				
20	PI2 BPSK	1	53	20.06	20.04	19.98	21.3	0.0		
20	PI2 BPSK	1	104	20.06	20.16	20.12				
20	PI2 BPSK	50	0	20.06	20.14	20.03	21.3	0.0		
20	PI2 BPSK	50	56	20.17	20.07	20.06	21.3	0.0		
20	PI2 BPSK	50	56	19.96	20.14	19.96				
20	PI2 BPSK	100	0	19.96	20.14	20.07	21.3	0.0		
20	QPSK	1	1	20.05	20.20	20.15				
20	QPSK	1	53	19.96	19.92	19.86	21.3	0.0		
20	QPSK	1	104	19.93	20.04	19.87				
20	QPSK	50	0	19.89	20.05	19.85	21.3	0.0		
20	QPSK	50	56	20.06	20.09	19.88	21.3	0.0		
20	QPSK	50	56	19.79	19.88	19.93				
20	QPSK	100	0	19.77	19.88	19.88	21.3	0.0		
20	16QAM	1	1	19.83	19.82	19.93	21.3	0.0		
20	64QAM	1	1	19.96	20.07	19.95	21.3	0.0		
20	256QAM	1	1	20.13	20.19	20.15	21.0	0.3		
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1875	1825	1907.5	(dBm)	(dB)		
15	QPSK	1	1	19.65	19.65	19.60	21.3	0.0		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1855	1825	1910	(dBm)	(dB)		
10	QPSK	1	1	19.66	19.53	19.62	21.3	0.0		
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1852.5	1825	1912.5	(dBm)	(dB)		
5	QPSK	1	1	19.57	19.62	19.58	21.3	0.0		

n30 Ant1 DSI6 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel				461500	465000	468500				
Frequency (MHz)				2310						
10	PI2 BPSK	1	1	19.77						
10	PI2 BPSK	1	26	19.66			21.2	0.0		
10	PI2 BPSK	1	50	19.67						
10	PI2 BPSK	25	0	19.57			21.2	0.0		
10	PI2 BPSK	25	14	19.55			21.2	0.0		
10	PI2 BPSK	25	27	19.58			21.2	0.0		
10	PI2 BPSK	50	0	19.61						
10	QPSK	1	1	20.08						
10	QPSK	1	26	19.69			21.2	0.0		
10	QPSK	1	50	19.68						
10	QPSK	25	0	19.58			21.2	0.0		
10	QPSK	25	14	19.63			21.2	0.0		
10	QPSK	25	27	19.59			21.2	0.0		
10	QPSK	50	0	19.60			21.2	0.0		
10	16QAM	1	1	19.64			21.2	0.0		
10	64QAM	1	1	19.71			21.2	0.0		
10	256QAM	1	1	19.84			19.5	1.7		
Channel				461500	465000	468500	Tune-up limit (dBm)	MPR		
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)		
5	QPSK	1	1	19.61	19.55	19.45	21.2	0.0		

n66 Ant1 DSI6 Simultaneous										
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	349000	352000				
Frequency (MHz)				1720	1745	1760				
40	PI2 BPSK	1	1	20.15	20.10	20.00				
40	PI2 BPSK	1	108	20.00	19.84	19.92	21.5	0.0		
40	PI2 BPSK	1	214	20.11	20.05	20.01				
40	PI2 BPSK	108	0	20.05	20.05	20.02	21.5	0.0		
40	PI2 BPSK	108	54	20.08	20.07	20.02	21.5	0.0		
40	PI2 BPSK	108	108	20.07	19.99	20.05				
40	PI2 BPSK	216	0	20.11	20.08	20.10	21.5	0.0		
40	QPSK	1	1	20.25	20.31	20.13				
40	QPSK	1	108	20.06	20.12	20.07	21.5	0.0		
40	QPSK	1	214	20.10	20.18	20.09				
40	QPSK	108	0	20.01	20.00	19.77	21.5	0.0		
40	QPSK	108	54	20.19	20.21	20.14	21.5	0.0		
40	QPSK	108	108	20.07	20.13	20.00				
40	QPSK	216	0	19.77	19.98	19.87	21.5	0.0		
40	16QAM	1	1	20.05	20.14	20.02	21.5	0.0		
40	64QAM	1	1	20.07	20.11	19.98	21.5	0.0		
40	256QAM	1	1	20.12	20.29	20.17	21.0	0.5		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)		
30	QPSK	1	1	19.81	19.88	19.79	21.5	0.0		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)		
20	QPSK	1	1	19.73	19.89	19.77	21.5	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)		
15	QPSK	1	1	19.78	19.97	19.82	21.5	0.0		
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)		
10	QPSK	1	1	19.84	19.91	19.82	21.5	0.0		
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1712.5	1745	1772.5	(dBm)	(dB)		
5	QPSK	1	1	19.75	19.97	19.77	21.5	0.0		



n71 Ant1 DSI6 Simultaneous Reuse Full power								
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	22.60	22.78	22.79		
20	PI2 BPSK	1	53	22.65	22.87	22.79	24.0	0.0
20	PI2 BPSK	1	104	22.63	22.65	22.55		
20	PI2 BPSK	50	0	22.64	22.84	22.85	24.0	0.0
20	PI2 BPSK	50	99	22.67	22.88	22.77	24.0	0.0
20	PI2 BPSK	50	56	22.80	22.81	22.61	24.0	0.0
20	PI2 BPSK	100	0	22.69	22.86	22.65		
20	QPSK	1	1	22.73	22.92	22.86		
20	QPSK	1	53	22.81	22.85	22.79	24.0	0.0
20	QPSK	1	104	22.61	22.67	22.65		
20	QPSK	50	0	22.80	22.83	22.81	24.0	0.0
20	QPSK	50	99	22.75	22.87	22.71	24.0	0.0
20	QPSK	50	56	22.61	22.81	22.81	24.0	0.0
20	QPSK	100	0	22.66	22.83	22.68		
20	16QAM	1	1	22.70	22.86	22.69	24.0	0.0
20	64QAM	1	1	22.79	22.95	22.71	23.0	1.0
20	256QAM	1	1	20.05	20.05	20.00	21.0	3.0
Channel				134100	136100	138100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.71	22.88	22.68	24.0	0.0
Channel				133500	136100	138500		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.55	22.84	22.73	24.0	0.0
Channel				133100	135100	137100		
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.59	22.84	22.70	24.0	0.0



n41 Ant1 DSI6 Standalone power PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.83	20.91	20.79			
100	PI/2 BPSK	1	137	20.75	20.86	20.79	22.4	0.0	
100	PI/2 BPSK	1	271	20.72	20.79	20.70			
100	PI/2 BPSK	135	0	20.69	20.76	20.64	22.4	0.0	
100	PI/2 BPSK	135	69	20.81	20.86	20.76	22.4	0.0	
100	PI/2 BPSK	135	138	20.79	20.85	20.79	22.4	0.0	
100	PI/2 BPSK	270	0	20.73	20.82	20.73			
100	QPSK	1	1	21.07	21.15	21.01			
100	QPSK	1	137	20.81	20.89	20.80	22.4	0.0	
100	QPSK	1	271	20.75	20.84	20.79			
100	QPSK	135	0	20.87	20.92	20.80	22.4	0.0	
100	QPSK	135	69	20.77	20.93	20.86	22.4	0.0	
100	QPSK	135	138	20.71	20.86	20.80	22.4	0.0	
100	QPSK	270	0	20.77	20.83	20.74	22.4	0.0	
100	16QAM	1	1	20.75	20.81	20.66	22.4	0.0	
100	64QAM	1	1	19.93	19.92	19.72	21.5	0.9	
100	256QAM	1	1	17.54	17.66	17.56	19.5	2.9	
Channel				508200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.98	21.02	20.89	22.4	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	20.98	21.01	20.87	22.4	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.97	21.04	20.89	22.4	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.94	21.07	20.91	22.4	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.97	21.03	20.92	22.4	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.00	21.00	20.88	22.4	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.94	21.02	20.93	22.4	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.97	21.08	20.93	22.4	0.0	

n41 Ant1 DSI6 Standalone power PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.86	20.96	20.91			
100	PI/2 BPSK	1	137	20.78	20.87	20.81	22.4	0.0	
100	PI/2 BPSK	1	271	20.70	20.79	20.72			
100	PI/2 BPSK	135	0	20.76	20.86	20.73	22.4	0.0	
100	PI/2 BPSK	135	69	20.78	20.90	20.83	22.4	0.0	
100	PI/2 BPSK	135	138	20.72	20.83	20.75	22.4	0.0	
100	PI/2 BPSK	270	0	20.78	20.91	20.82			
100	QPSK	1	1	21.27	21.31	21.24			
100	QPSK	1	137	20.84	20.92	20.80	22.4	0.0	
100	QPSK	1	271	20.71	20.76	20.85			
100	QPSK	135	0	20.84	20.84	20.82	22.4	0.0	
100	QPSK	135	69	20.72	20.92	20.79	22.4	0.0	
100	QPSK	135	138	20.69	20.80	20.88	22.4	0.0	
100	QPSK	270	0	20.84	20.91	20.83	22.4	0.0	
100	16QAM	1	1	20.76	20.88	20.76	22.4	0.0	
100	64QAM	1	1	21.03	21.09	21.04	22.4	0.0	
100	256QAM	1	1	20.83	20.89	20.83	22.4	0.0	
Channel				508200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.18	21.27	21.17	22.4	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	21.12	21.28	21.17	22.4	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.18	21.20	21.10	22.4	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.14	21.25	21.12	22.4	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.17	21.22	21.11	22.4	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.21	21.26	21.15	22.4	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.13	21.29	21.13	22.4	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.13	21.28	21.10	22.4	0.0	



n41 Ant1 DSI6 Simultaneous PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.19	19.18	19.14			
100	PI/2 BPSK	1	137	19.14	19.25	19.27	20.9	0.0	
100	PI/2 BPSK	1	271	19.17	19.30	19.26			
100	PI/2 BPSK	135	0	19.16	19.30	19.21	20.9	0.0	
100	PI/2 BPSK	135	69	19.17	19.21	19.19	20.9	0.0	
100	PI/2 BPSK	135	138	19.17	19.19	19.22	20.9	0.0	
100	PI/2 BPSK	270	0	19.18	19.23	19.11			
100	QPSK	1	1	19.25	19.31	19.21			
100	QPSK	1	137	19.08	19.34	19.20	20.9	0.0	
100	QPSK	1	271	19.19	19.23	19.27			
100	QPSK	135	0	19.21	19.31	19.08	20.9	0.0	
100	QPSK	135	69	19.07	19.14	19.21	20.9	0.0	
100	QPSK	135	138	19.13	19.25	19.19	20.9	0.0	
100	QPSK	270	0	19.16	19.33	19.11	20.9	0.0	
100	16QAM	1	1	19.16	19.28	19.12	20.9	0.0	
100	64QAM	1	1	19.21	19.22	19.22	20.9	0.0	
100	256QAM	1	1	17.24	17.36	17.26	19.5	1.4	
Channel				508200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.15	19.20	19.19	20.9	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.26	19.12	19.23	20.9	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	19.14	19.17	19.14	20.9	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	19.20	19.08	19.22	20.9	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.15	19.11	19.23	20.9	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.22	19.14	19.12	20.9	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.27	19.16	19.15	20.9	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.26	19.11	19.17	20.9	0.0	

n41 Ant1 DSI6 Simultaneous PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.29	19.31	19.25			
100	PI/2 BPSK	1	137	19.26	19.36	19.31	20.9	0.0	
100	PI/2 BPSK	1	271	19.32	19.34	19.31			
100	PI/2 BPSK	135	0	19.30	19.37	19.32	20.9	0.0	
100	PI/2 BPSK	135	69	19.23	19.29	19.23	20.9	0.0	
100	PI/2 BPSK	135	138	19.23	19.25	19.28	20.9	0.0	
100	PI/2 BPSK	270	0	19.32	19.35	19.25			
100	QPSK	1	1	19.36	19.40	19.35			
100	QPSK	1	137	19.24	19.37	19.25	20.9	0.0	
100	QPSK	1	271	19.34	19.32	19.32			
100	QPSK	135	0	19.32	19.39	19.21	20.9	0.0	
100	QPSK	135	69	19.22	19.29	19.30	20.9	0.0	
100	QPSK	135	138	19.24	19.29	19.28	20.9	0.0	
100	QPSK	270	0	19.29	19.37	19.19	20.9	0.0	
100	16QAM	1	1	19.29	19.32	19.22	20.9	0.0	
100	64QAM	1	1	19.30	19.25	19.27	20.9	0.0	
100	256QAM	1	1	19.30	19.35	19.22	20.9	0.0	
Channel				508200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.24	19.28	19.31	20.9	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.26	19.33	19.20	20.9	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	19.31	19.32	19.27	20.9	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	19.24	19.37	19.21	20.9	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.27	19.30	19.26	20.9	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.23	19.31	19.31	20.9	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.32	19.32	19.32	20.9	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.25	19.27	19.27	20.9	0.0	



Par270 n77 Ant2 DSI6 Standalone PC3									
BW (MHz)	Modulation	RB 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	18.36	18.41	18.36			
100	PI2 BPSK	1	137	18.37	18.50	18.37	20.1	0.0	
100	PI2 BPSK	1	271	18.58	18.57	18.67			
100	PI2 BPSK	135	0	18.25	18.41	18.19	20.1	0.0	
100	PI2 BPSK	135	69	18.39	18.56	18.39	20.1	0.0	
100	PI2 BPSK	135	138	18.35	18.57	18.48	20.1	0.0	
100	PI2 BPSK	270	0	18.33	18.42	18.34			
100	QPSK	1	1	18.63	18.77	18.74			
100	QPSK	1	137	18.44	18.61	18.47	20.1	0.0	
100	QPSK	1	271	18.27	18.47	18.32			
100	QPSK	135	0	18.28	18.47	18.35	20.1	0.0	
100	QPSK	135	69	18.52	18.71	18.38	20.1	0.0	
100	QPSK	135	138	18.50	18.53	18.38	20.1	0.0	
100	QPSK	270	0	18.50	18.68	18.62			
100	16QAM	1	1	18.64	18.69	18.63	20.1	0.0	
100	16QAM	1	1	18.33	18.51	18.33	20.1	0.0	
100	256QAM	1	1	17.98	18.01	17.97	19.5	0.6	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.79	17.80	17.73	20.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.76	17.83	17.77	20.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.85	18.15	17.76	20.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.73	17.82	17.76	20.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.84	18.06	17.88	20.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.75	18.15	17.95	20.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.68	18.04	17.70	20.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.84	18.02	17.79	20.1	0.0	

Par270 n77 Ant2 DSI6 Standalone PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.24	21.34	21.20			
100	PI2 BPSK	1	137	21.33	21.44	21.32	23.1	0.0	
100	PI2 BPSK	1	271	21.50	21.60	21.54			
100	PI2 BPSK	135	0	21.20	21.29	21.16	23.1	0.0	
100	PI2 BPSK	135	69	21.29	21.43	21.32	23.1	0.0	
100	PI2 BPSK	135	138	21.29	21.41	21.35	23.1	0.0	
100	PI2 BPSK	270	0	21.28	21.37	21.24			
100	QPSK	1	1	21.55	21.69	21.64			
100	QPSK	1	137	21.39	21.49	21.38	23.1	0.0	
100	QPSK	1	271	21.21	21.38	21.23			
100	QPSK	135	0	21.23	21.32	21.23	23.1	0.0	
100	QPSK	135	69	21.41	21.48	21.33	23.1	0.0	
100	QPSK	135	138	21.35	21.41	21.33	23.1	0.0	
100	QPSK	270	0	21.37	21.43	21.36			
100	16QAM	1	1	21.50	21.61	21.56	23.1	0.0	
100	16QAM	1	1	21.42	21.55	21.49	23.1	0.0	
100	256QAM	1	1	21.21	21.28	21.21	23.0	0.1	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.86	20.93	20.90	23.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.09	20.84	21.08	23.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.81	21.05	20.80	23.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.59	20.98	21.11	23.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.00	20.90	20.82	23.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.91	21.02	21.00	23.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.91	21.07	20.75	23.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.95	20.84	20.96	23.1	0.0	

Par270 n77 Ant2 DSI6 Standalone PC3										
BW (MHz)	Modulation	RB 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			18.83				
100	PI2 BPSK	1	137			18.79	20.1	0.0		
100	PI2 BPSK	1	271			18.88				
100	PI2 BPSK	135	0			18.86	20.1	0.0		
100	PI2 BPSK	135	69			18.84	20.1	0.0		
100	PI2 BPSK	135	138			18.88	20.1	0.0		
100	PI2 BPSK	270	0			18.79	20.1	0.0		
100	QPSK	1	1			18.85				
100	QPSK	1	137			18.82	20.1	0.0		
100	QPSK	1	271			18.73				
100	QPSK	135	0			18.79	20.1	0.0		
100	QPSK	135	69			18.88	20.1	0.0		
100	QPSK	135	138			18.76	20.1	0.0		
100	QPSK	270	0			18.77	20.1	0.0		
100	16QAM	1	1			18.85	20.1	0.0		
100	16QAM	1	1			18.66	20.1	0.0		
100	256QAM	1	1			18.50	19.5	0.6		
Channel										
Frequency (MHz)										
90	QPSK	1	1			18.62	18.02	18.04	20.1	0.0
Channel										
Frequency (MHz)										
80	QPSK	1	1			18.82	18.98	18.96	20.1	0.0
Channel										
Frequency (MHz)										
70	QPSK	1	1			18.95	18.91	18.93	20.1	0.0
Channel										
Frequency (MHz)										
60	QPSK	1	1			18.62	18.96	18.03	20.1	0.0
Channel										
Frequency (MHz)										
50	QPSK	1	1			18.90	18.02	19.96	20.1	0.0
Channel										
Frequency (MHz)										
40	QPSK	1	1			18.00	18.99	18.04	20.1	0.0
Channel										
Frequency (MHz)										
30	QPSK	1	1			18.62	18.01	18.08	20.1	0.0
Channel										
Frequency (MHz)										
20	QPSK	1	1			18.93	18.93	18.02	20.1	0.0



Par27Q n77 Ant2 DSI6 Standalone PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63000					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	21.83					
100	PI2 BPSK	1	137	21.73			23.1	0.0	
100	PI2 BPSK	1	271	21.81					
100	PI2 BPSK	135	0	21.77					
100	PI2 BPSK	135	69	21.78			23.1	0.0	
100	PI2 BPSK	135	138	21.89					
100	PI2 BPSK	270	0	21.73			23.1	0.0	
100	QPSK	1	1	21.86					
100	QPSK	1	137	21.76			23.1	0.0	
100	QPSK	1	271	21.80					
100	QPSK	135	0	21.70					
100	QPSK	135	69	21.88			23.1	0.0	
100	QPSK	135	138	21.87					
100	QPSK	270	0	21.79			23.1	0.0	
100	16QAM	1	1	21.88			23.1	0.0	
100	64QAM	1	1	21.84			23.1	0.0	
100	256QAM	1	1	20.91			22.5	0.0	
Channel				63000	63334	63668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	21.82	21.76	21.76	23.1	0.0	
Channel				63000	63334	63668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	21.75	21.70	21.78	23.1	0.0	
Channel				63234	63334	63434	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3488.01	3500.01	3515.01			
70	QPSK	1	1	21.77	21.76	21.76	23.1	0.0	
Channel				63200	63334	63468	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	21.82	21.77	21.83	23.1	0.0	
Channel				63168	63334	63500	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	21.82	21.73	21.82	23.1	0.0	
Channel				63134	63334	63534	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	21.82	21.72	21.77	23.1	0.0	
Channel				63100	63334	63568	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	21.77	21.69	21.76	23.1	0.0	
Channel				63068	63334	63600	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.77	21.69	21.76	23.1	0.0	

Part270 n78 Ant2 DSI6 Standalone PC3									
BW (MHz)	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					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	17.93					
100	PI2 BPSK	1	137	17.99			20.1	0.0	
100	PI2 BPSK	1	271	18.11					
100	PI2 BPSK	135	0	17.92			20.1	0.0	
100	PI2 BPSK	135	69	18.03			20.1	0.0	
100	PI2 BPSK	135	138	18.10			20.1	0.0	
100	PI2 BPSK	270	0	18.19			20.1	0.0	
100	QPSK	1	1	18.21					
100	QPSK	1	137	18.06			20.1	0.0	
100	QPSK	1	271	17.98					
100	QPSK	135	0	17.98			20.1	0.0	
100	QPSK	135	69	18.03			20.1	0.0	
100	QPSK	135	138	17.98			20.1	0.0	
100	QPSK	270	0	17.99			20.1	0.0	
100	16QAM	1	1	18.12			20.1	0.0	
100	64QAM	1	1	18.07			20.1	0.0	
100	256QAM	1	1	17.95			20.1	0.0	
Channel				64968	65000	65034	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	17.77	17.78	17.43	20.1	0.0	
Channel				64934	65000	65068	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	17.68	17.52	17.58	20.1	0.0	
Channel				64900	65000	65100	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.88	17.75	17.76	20.1	0.0	
Channel				64868	65000	65134	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	17.75	17.80	17.75	20.1	0.0	
Channel				64834	65000	65168	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	17.65	17.70	17.57	20.1	0.0	
Channel				64800	65000	65200	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.88	17.78	17.53	20.1	0.0	
Channel				64768	65000	65234	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	17.90	17.72	17.65	20.1	0.0	
Channel				64734	65000	65268	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	17.91	17.67	17.50	20.1	0.0	

Part270 n78 Ant2 DSI6 Standalone PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	20.95					
100	PI2 BPSK	1	137	21.08			23.1	0.0	
100	PI2 BPSK	1	271	21.17					
100	PI2 BPSK	135	0	20.93			23.1	0.0	
100	PI2 BPSK	135	69	21.06			23.1	0.0	
100	PI2 BPSK	135	138	20.99			23.1	0.0	
100	PI2 BPSK	270	0	21.00			23.1	0.0	
100	QPSK	1	1	21.25					
100	QPSK	1	137	21.16			23.1	0.0	
100	QPSK	1	271	20.90					
100	QPSK	135	0	20.88			23.1	0.0	
100	QPSK	135	69	21.06			23.1	0.0	
100	QPSK	135	138	20.99			23.1	0.0	
100	QPSK	270	0	21.07			23.1	0.0	
100	16QAM	1	1	21.17			23.1	0.0	
100	64QAM	1	1	21.16			23.1	0.0	
100	256QAM	1	1	21.01			23.0	0.1	
Channel				64968	65000	65034	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	20.75	20.88	20.58	23.1	0.0	
Channel				64934	65000	65068	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	20.46	20.62	20.38	23.1	0.0	
Channel				64900	65000	65100	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.68	20.89	20.64	23.1	0.0	
Channel				64868	65000	65134	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	20.67	20.77	20.64	23.1	0.0	
Channel				64834	65000	65168	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	20.70	20.48	20.38	23.1	0.0	
Channel				64800	65000	65200	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.48	20.50	20.52	23.1	0.0	
Channel				64768	65000	65234	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	20.47	20.57	20.49	23.1	0.0	
Channel				64734	65000	65268	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.64	20.46	20.61	23.1	0.0	



Par27Q n78 Ant2 DS16 Standalone PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1	18.72			
100	PI2 BPSK	1	137	18.67		20.1	0.0
100	PI2 BPSK	1	271	18.79			
100	PI2 BPSK	135	0	18.77			
100	PI2 BPSK	135	69	18.69		20.1	0.0
100	PI2 BPSK	135	138	18.77			
100	PI2 BPSK	270	0	18.70		20.1	0.0
100	QPSK	1	1	18.74			
100	QPSK	1	137	18.65		20.1	0.0
100	QPSK	1	271	18.62			
100	QPSK	135	0	18.76		20.1	0.0
100	QPSK	135	69	18.65			
100	QPSK	135	138	18.63			
100	QPSK	270	0	18.68		20.1	0.0
100	16QAM	1	1	18.57		20.1	0.0
100	64QAM	1	1	18.65		20.1	0.0
100	256QAM	1	1	18.16		20.0	0.6
Channel				633000	633334	633668	Time-up limit (dBm)
Frequency (MHz)				3485	3500.01	3505.02	MPR (dB)
90	QPSK	1	1	18.12	18.22	18.05	20.1
Channel				633008	633334	633670	Time-up limit (dBm)
Frequency (MHz)				3490.02	3500.01	3510	MPR (dB)
80	QPSK	1	1	18.13	18.13	18.04	20.1
Channel				632334	633334	634334	Time-up limit (dBm)
Frequency (MHz)				3484.01	3500.01	3516.01	MPR (dB)
70	QPSK	1	1	18.15	18.19	18.94	20.1
Channel				632000	633334	634668	Time-up limit (dBm)
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)
60	QPSK	1	1	18.20	18.18	18.04	20.1
Channel				631668	633334	635000	Time-up limit (dBm)
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)
50	QPSK	1	1	18.14	18.12	18.94	20.1
Channel				631334	633334	635334	Time-up limit (dBm)
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)
40	QPSK	1	1	18.15	18.24	18.05	20.1
Channel				631000	633334	635668	Time-up limit (dBm)
Frequency (MHz)				3470	3500	3530	MPR (dB)
30	QPSK	1	1	18.11	18.12	18.96	20.1
Channel				630668	633334	636000	Time-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)
20	QPSK	1	1	18.17	18.15	18.06	20.1

Par27Q n78 Ant2 DS16 Standalone PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1	21.73			
100	PI2 BPSK	1	137	21.67		23.1	0.0
100	PI2 BPSK	1	271	21.77			
100	PI2 BPSK	135	0	21.62		19.6	3.5
100	PI2 BPSK	135	69	21.74		23.1	0.0
100	PI2 BPSK	135	138	21.82		19.6	3.5
100	PI2 BPSK	270	0	21.59		23.1	0.0
100	QPSK	1	1	21.81			
100	QPSK	1	137	21.80		23.1	0.0
100	QPSK	1	271	21.71			
100	QPSK	135	0	21.55		23.1	0.0
100	QPSK	135	69	21.80			
100	QPSK	135	138	21.59		19.6	3.5
100	QPSK	270	0	21.68		23.1	0.0
100	16QAM	1	1	21.52		23.1	0.0
100	64QAM	1	1	21.51		23.1	0.0
100	256QAM	1	1	20.59		22.5	0.6
Channel				633000	633334	633668	Time-up limit (dBm)
Frequency (MHz)				3485	3500.01	3505.02	MPR (dB)
90	QPSK	1	1	21.23	21.23	21.03	23.1
Channel				633008	633334	633670	Time-up limit (dBm)
Frequency (MHz)				3490.02	3500.01	3510	MPR (dB)
80	QPSK	1	1	21.14	21.22	21.05	23.1
Channel				632334	633334	634334	Time-up limit (dBm)
Frequency (MHz)				3484.01	3500.01	3516.01	MPR (dB)
70	QPSK	1	1	21.11	21.25	20.96	23.1
Channel				632000	633334	634668	Time-up limit (dBm)
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)
60	QPSK	1	1	21.14	21.12	21.07	23.1
Channel				631668	633334	635000	Time-up limit (dBm)
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)
50	QPSK	1	1	21.23	21.18	21.01	23.1
Channel				631334	633334	635334	Time-up limit (dBm)
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)
40	QPSK	1	1	21.15	21.12	21.03	23.1
Channel				631000	633334	635668	Time-up limit (dBm)
Frequency (MHz)				3465	3500.01	3535.02	MPR (dB)
30	QPSK	1	1	21.17	21.23	20.95	23.1
Channel				630668	633334	636000	Time-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)
20	QPSK	1	1	21.14	21.21	20.96	23.1



Par270 n77 Ant2 DSI6 Simultaneous PC3							
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	PI2 BPSK	1	1	3760	3840	3950	
100	PI2 BPSK	1	137	17.05	17.14	17.10	
100	PI2 BPSK	1	137	17.27	17.30	17.21	18.6
100	PI2 BPSK	1	271	17.25	17.23	17.23	18.6
100	PI2 BPSK	135	0	17.12	17.13	17.21	18.6
100	PI2 BPSK	135	69	17.20	17.16	17.17	18.6
100	PI2 BPSK	135	138	17.25	17.29	17.29	18.6
100	PI2 BPSK	270	0	17.13	17.31	17.02	18.6
100	QPSK	1	1	17.26	17.40	17.17	18.6
100	QPSK	1	137	17.19	17.13	17.05	18.6
100	QPSK	1	271	17.20	17.26	17.19	18.6
100	QPSK	135	0	17.18	17.20	17.14	18.6
100	QPSK	135	69	17.13	17.21	17.11	18.6
100	QPSK	135	138	17.19	17.02	17.04	18.6
100	QPSK	270	0	17.14	17.20	17.16	18.6
100	16QAM	1	1	17.17	17.35	17.35	18.6
100	16QAM	1	1	16.99	17.16	17.09	18.6
100	256QAM	1	1	16.98	17.01	16.97	18.6
Channel							
Frequency (MHz)							
90	QPSK	1	1	3745.02	3840	3935.01	18.6
Channel							
Frequency (MHz)							
80	QPSK	1	1	3740.01	3840	3940.02	18.6
Channel							
Frequency (MHz)							
70	QPSK	1	1	3730.02	3840	3950.01	18.6
Channel							
Frequency (MHz)							
60	QPSK	1	1	3725.01	3840	3955.02	18.6
Channel							
Frequency (MHz)							
50	QPSK	1	1	3720.01	3840	3960.01	18.6
Channel							
Frequency (MHz)							
40	QPSK	1	1	3715.02	3840	3965.01	18.6
Channel							
Frequency (MHz)							
30	QPSK	1	1	3710.01	3840	3970.02	18.6
Channel							
Frequency (MHz)							
20	QPSK	1	1	3705.01	3840	3975.01	18.6

Par270 n77 Ant2 DSI6 Simultaneous PC2							
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	PI2 BPSK	1	1	3750	3840	3930	
100	PI2 BPSK	1	137	20.16	20.24	20.21	
100	PI2 BPSK	1	137	20.32	20.39	20.24	21.6
100	PI2 BPSK	1	271	20.36	20.40	20.36	21.6
100	PI2 BPSK	135	0	20.25	20.22	20.25	21.6
100	PI2 BPSK	135	69	20.24	20.33	20.28	21.6
100	PI2 BPSK	135	138	20.35	20.33	20.36	21.6
100	PI2 BPSK	270	0	20.24	20.39	20.09	21.6
100	QPSK	1	1	20.36	20.43	20.33	21.6
100	QPSK	1	137	20.30	20.28	20.20	21.6
100	QPSK	1	271	20.34	20.40	20.33	21.6
100	QPSK	135	0	20.31	20.32	20.26	21.6
100	QPSK	135	69	20.27	20.34	20.18	21.6
100	QPSK	135	138	20.30	20.11	20.21	21.6
100	QPSK	270	0	20.27	20.31	20.19	21.6
100	16QAM	1	1	20.30	20.38	20.42	21.6
100	16QAM	1	1	20.33	20.12	20.14	21.6
100	256QAM	1	1	20.24	20.13	20.22	21.6
Channel							
Frequency (MHz)							
90	QPSK	1	1	3745.02	3840	3935.01	21.6
Channel							
Frequency (MHz)							
80	QPSK	1	1	3740.01	3840	3940.02	21.6
Channel							
Frequency (MHz)							
70	QPSK	1	1	3730.02	3840	3950.01	21.6
Channel							
Frequency (MHz)							
60	QPSK	1	1	3725.01	3840	3955.02	21.6
Channel							
Frequency (MHz)							
50	QPSK	1	1	3720.01	3840	3960.01	21.6
Channel							
Frequency (MHz)							
40	QPSK	1	1	3715.02	3840	3965.01	21.6
Channel							
Frequency (MHz)							
30	QPSK	1	1	3710.01	3840	3970.02	21.6
Channel							
Frequency (MHz)							
20	QPSK	1	1	3705.01	3840	3975.01	21.6

Par270Q n77 Ant2 DSI6 Simultaneous PC3							
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	PI2 BPSK	1	1	3500.01			
100	PI2 BPSK	1	137	17.10			18.6
100	PI2 BPSK	1	271	16.98			18.6
100	PI2 BPSK	135	0	17.13			18.6
100	PI2 BPSK	135	69	16.94			18.6
100	PI2 BPSK	135	138	16.90			18.6
100	PI2 BPSK	270	0	16.96			18.6
100	QPSK	1	1	17.25			18.6
100	QPSK	1	137	17.21			18.6
100	QPSK	1	271	17.10			18.6
100	QPSK	135	0	17.13			18.6
100	QPSK	135	69	17.25			18.6
100	QPSK	135	138	17.05			18.6
100	QPSK	270	0	17.16			18.6
100	16QAM	1	1	16.85			18.6
100	16QAM	1	1	17.26			18.6
100	256QAM	1	1	16.99			18.6
Channel							
Frequency (MHz)							
90	QPSK	1	1	3485	3500.01	3505.02	18.6
Channel							
Frequency (MHz)							
80	QPSK	1	1	3480.02	3500.01	3510.01	18.6
Channel							
Frequency (MHz)							
70	QPSK	1	1	3475.02	3500.01	3520.02	18.6
Channel							
Frequency (MHz)							
60	QPSK	1	1	3470.01	3500.01	3530.01	18.6
Channel							
Frequency (MHz)							
50	QPSK	1	1	3465.01	3500.01	3540.01	18.6
Channel							
Frequency (MHz)							
40	QPSK	1	1	3460.02	3500.01	3550.02	18.6
Channel							
Frequency (MHz)							
30	QPSK	1	1	3455.01	3500.01	3560.01	18.6
Channel							
Frequency (MHz)							
20	QPSK	1	1	3450.01	3500.01	3570.01	18.6



Par27Q n77 Ant2 DS16 Simultaneous PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				63000			3500.01		
Frequency (MHz)									
100	PI2 BPSK	1	1	20.40			21.6	0.0	
100	PI2 BPSK	1	137	20.38					
100	PI2 BPSK	1	271	20.31			21.6	0.0	
100	PI2 BPSK	135	0	20.40					
100	PI2 BPSK	135	69	20.31			21.6	0.0	
100	PI2 BPSK	135	138	20.29			21.6	0.0	
100	PI2 BPSK	270	0	20.32			21.6	0.0	
100	QPSK	1	1	20.45			21.6	0.0	
100	QPSK	1	137	20.44					
100	QPSK	1	271	20.36			21.6	0.0	
100	QPSK	135	0	20.38					
100	QPSK	135	69	20.41			21.6	0.0	
100	QPSK	135	138	20.24			21.6	0.0	
100	QPSK	270	0	20.36			21.6	0.0	
100	16QAM	1	1	20.19			21.6	0.0	
100	64QAM	1	1	20.41			21.6	0.0	
100	256QAM	1	1	20.31			21.6	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	20.01	20.08	20.04	21.6	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	3490.02	3500.01	3510	21.6	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	20.03	20.02	20.04	21.6	0.0	
Channel				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	3488.01	3500.01	3515.01	21.6	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	19.92	20.06	20.08	21.6	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	3480.02	3500.01	3525	21.6	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	20.01	20.02	20.04	21.6	0.0	
Channel				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	19.84	19.98	20.07	21.6	0.0	
Channel				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	3476.02	3500.01	3525	21.6	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	19.94	20.04	20.11	21.6	0.0	
Channel				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	3465	3500.01	3535.02	21.6	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	19.53	20.00	20.08	21.6	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	3460.02	3500.01	3540	21.6	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	20.00	20.08	20.05	21.6	0.0	

Part27O n78 Ant2 DS16 Simultaneous PC3									
BW (MHz)	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			3750		
Frequency (MHz)									
100	PI2 BPSK	1	1	17.14			18.6	0.0	
100	PI2 BPSK	1	137	17.29					
100	PI2 BPSK	1	271	17.21			18.6	0.0	
100	PI2 BPSK	135	0	17.08					
100	PI2 BPSK	135	69	17.09			18.6	0.0	
100	PI2 BPSK	135	138	17.31			18.6	0.0	
100	PI2 BPSK	270	0	17.37			18.6	0.0	
100	QPSK	1	1	17.42			18.6	0.0	
100	QPSK	1	137	17.31					
100	QPSK	1	271	17.21			18.6	0.0	
100	QPSK	135	0	17.25					
100	QPSK	135	69	17.27			18.6	0.0	
100	QPSK	135	138	17.00			18.6	0.0	
100	QPSK	270	0	17.24			18.6	0.0	
100	16QAM	1	1	17.34			18.6	0.0	
100	64QAM	1	1	17.18			18.6	0.0	
100	256QAM	1	1	17.16			18.6	0.0	
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	16.92	16.97	16.95	18.6	0.0	
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	3740.01	3750	3760.02	18.6	0.0	
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	16.90	16.97	16.90	18.6	0.0	
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	3738	3750	3762	18.6	0.0	
Channel				64968	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	16.92	16.97	16.89	18.6	0.0	
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	3730.02	3750	3770.01	18.6	0.0	
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	16.98	16.94	16.82	18.6	0.0	
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	3725.01	3750	3775.02	18.6	0.0	
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	16.96	16.99	16.93	18.6	0.0	
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	3720	3750	3780	18.6	0.0	
Channel				64968	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	16.95	16.92	16.95	18.6	0.0	
Channel				64968	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	3710.01	3750	3790.02	18.6	0.0	
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	17.00	17.00	16.95	18.6	0.0	

Part27O n78 Ant2 DS16 Simultaneous PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				65000			3750		
Frequency (MHz)									
100	PI2 BPSK	1	1	20.24			21.6	0.0	
100	PI2 BPSK	1	137	20.40					
100	PI2 BPSK	1	271	20.38			21.6	0.0	
100	PI2 BPSK	135	0	20.27					
100	PI2 BPSK	135	69	20.34			21.6	0.0	
100	PI2 BPSK	135	138	20.38			21.6	0.0	
100	PI2 BPSK	270	0	20.36			21.6	0.0	
100	QPSK	1	1	20.41			21.6	0.0	
100	QPSK	1	137	20.24					
100	QPSK	1	271	20.40			21.6	0.0	
100	QPSK	135	0	20.30					
100	QPSK	135	69	20.31			21.6	0.0	
100	QPSK	135	138	20.13			21.6	0.0	
100	QPSK	270	0	20.37			21.6	0.0	
100	16QAM	1	1	20.05			21.6	0.0	
100	64QAM	1	1	20.13			21.6	0.0	
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	19.90	19.82	19.71	21.6	0.0	
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	3740.01	3750	3760.02	21.6	0.0	
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	19.98	19.84	19.66	21.6	0.0	
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	19.99	19.88	19.70	21.6	0.0	
Channel				64968	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	3730.02	3750	3770.01	21.6	0.0	
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	19.90	19.80	19.63	21.6	0.0	
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	3725.01	3750	3775.02	21.6	0.0	
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	19.90	19.84	19.74	21.6	0.0	
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	3720	3750	3780	21.6	0.0	
Channel				64968	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	19.99	19.87	19.74	21.6	0.0	
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	3715.02	3750	3785.01	21.6	0.0	



Par27Q n78 Ant2 DSI6 Simultaneous PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	Pl2 BPSK	1	1	17.18			
100	Pl2 BPSK	1	137	17.25			18.6 0.0
100	Pl2 BPSK	1	271	17.11			
100	Pl2 BPSK	135	0	17.25			
100	Pl2 BPSK	135	69	17.06			18.6 0.0
100	Pl2 BPSK	135	138	17.09			
100	Pl2 BPSK	270	0	16.96			18.6 0.0
100	QPSK	1	1	17.27			
100	QPSK	1	137	17.25			18.6 0.0
100	QPSK	1	271	17.18			
100	QPSK	135	0	17.19			
100	QPSK	135	69	17.22			18.6 0.0
100	QPSK	135	138	17.15			
100	QPSK	270	0	17.18			18.6 0.0
100	16QAM	1	1	17.08			18.6 0.0
100	16QAM	1	1	17.24			18.6 0.0
100	256QAM	1	1	16.95			18.6 0.0
Channel				633000	633334	633668	Time-up limit (dBm)
Frequency (MHz)				3485	3500.01	3505.02	MPR (dB)
90	QPSK	1	1	16.59	16.80	16.68	18.6 0.0
Channel				632668	633334	634000	Time-up limit (dBm)
Frequency (MHz)				3490.02	3500.01	3510	MPR (dB)
80	QPSK	1	1	16.59	16.78	16.68	18.6 0.0
Channel				632334	633334	634334	Time-up limit (dBm)
Frequency (MHz)				3484.01	3500.01	3516.01	MPR (dB)
70	QPSK	1	1	16.51	16.76	16.60	18.6 0.0
Channel				632000	633334	634668	Time-up limit (dBm)
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)
60	QPSK	1	1	16.59	16.69	16.60	18.6 0.0
Channel				631668	633334	635000	Time-up limit (dBm)
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)
50	QPSK	1	1	16.59	16.68	16.58	18.6 0.0
Channel				631334	633334	635334	Time-up limit (dBm)
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)
40	QPSK	1	1	16.54	16.67	16.57	18.6 0.0
Channel				631000	633334	635668	Time-up limit (dBm)
Frequency (MHz)				3465	3500.01	3535.02	MPR (dB)
30	QPSK	1	1	16.60	16.71	16.68	18.6 0.0
Channel				630668	633334	636000	Time-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)
20	QPSK	1	1	16.52	16.73	16.61	18.6 0.0

Par27Q n78 Ant2 DSI6 Simultaneous PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	Pl2 BPSK	1	1	20.29			
100	Pl2 BPSK	1	137	20.24			21.6 0.0
100	Pl2 BPSK	1	271	20.21			
100	Pl2 BPSK	135	0	20.35			21.6 0.0
100	Pl2 BPSK	135	69	20.26			21.6 0.0
100	Pl2 BPSK	135	138	20.19			21.6 0.0
100	Pl2 BPSK	270	0	20.22			21.6 0.0
100	QPSK	1	1	20.43			
100	QPSK	1	137	20.34			21.6 0.0
100	QPSK	1	271	20.21			
100	QPSK	135	0	20.27			21.6 0.0
100	QPSK	135	69	20.31			21.6 0.0
100	QPSK	135	138	20.17			21.6 0.0
100	QPSK	270	0	20.23			21.6 0.0
100	16QAM	1	1	20.10			21.6 0.0
100	16QAM	1	1	20.32			21.6 0.0
100	256QAM	1	1	20.20			21.6 0.0
Channel				633000	633334	633668	Time-up limit (dBm)
Frequency (MHz)				3485	3500.01	3505.02	MPR (dB)
90	QPSK	1	1	19.87	19.97	19.72	21.6 0.0
Channel				632668	633334	634000	Time-up limit (dBm)
Frequency (MHz)				3490.02	3500.01	3510	MPR (dB)
80	QPSK	1	1	19.98	19.67	19.84	21.6 0.0
Channel				632334	633334	634334	Time-up limit (dBm)
Frequency (MHz)				3484.01	3500.01	3516.01	MPR (dB)
70	QPSK	1	1	19.85	19.98	19.73	21.6 0.0
Channel				632000	633334	634668	Time-up limit (dBm)
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)
60	QPSK	1	1	19.93	19.89	19.77	21.6 0.0
Channel				631668	633334	635000	Time-up limit (dBm)
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)
50	QPSK	1	1	19.99	19.97	19.78	21.6 0.0
Channel				631334	633334	635334	Time-up limit (dBm)
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)
40	QPSK	1	1	19.89	19.97	19.74	21.6 0.0
Channel				631000	633334	635668	Time-up limit (dBm)
Frequency (MHz)				3465	3500.01	3535.02	MPR (dB)
30	QPSK	1	1	19.93	19.91	19.83	21.6 0.0
Channel				630668	633334	636000	Time-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)
20	QPSK	1	1	19.92	19.90	19.74	21.6 0.0



Part270 n78_PC3 Ant7 DSI6 Standalone&Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	MPR (dB)
Channel				65000			
Frequency (MHz)				3750			
100	PI2 BPSK	1	1	22.83			
100	PI2 BPSK	1	137	22.43		24.0	0.0
100	PI2 BPSK	1	271	22.28			
100	PI2 BPSK	135	0	22.14		23.5	0.5
100	PI2 BPSK	135	6	22.14		23.5	0.0
100	PI2 BPSK	135	138	21.85		23.5	0.5
100	PI2 BPSK	270	0	21.91		23.5	0.0
100	QPSK	1	1	22.94			
100	QPSK	1	137	22.45		24.0	0.0
100	QPSK	1	271	22.28			
100	QPSK	135	0	21.62		23.0	1.0
100	QPSK	135	6	22.36		24.0	0.0
100	QPSK	135	138	21.28		23.0	1.0
100	QPSK	270	0	21.38			
100	16QAM	1	1	21.58		23.0	1.0
100	16QAM	1	1	20.34		21.5	2.5
100	256QAM	1	1	18.21		19.5	4.5
Channel				64968	65000	65034	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	22.45	22.62	22.35	24.0
Channel				64934	65000	65066	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	22.42	22.54	22.34	24.0
Channel				64900	65000	65100	
Frequency (MHz)				3735.02	3750	3765.01	
70	QPSK	1	1	22.51	22.54	22.45	24.0
Channel				64868	65000	65134	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	22.31	22.58	22.37	24.0
Channel				64834	65000	65166	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	22.40	22.63	22.50	24.0
Channel				64800	65000	65200	
Frequency (MHz)				3720.02	3750	3780.01	
40	QPSK	1	1	22.52	22.44	22.36	24.0
Channel				64768	65000	65234	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	22.38	22.60	22.47	24.0
Channel				64734	65000	65266	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	22.40	22.55	22.50	24.0

Part270 n78_PC2 Ant7 DSI6 Standalone&Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	MPR (dB)
Channel				65000			
Frequency (MHz)				3750			
100	PI2 BPSK	1	1	25.54			
100	PI2 BPSK	1	137	25.51		27.0	0.0
100	PI2 BPSK	1	271	25.36			
100	PI2 BPSK	135	0	25.46		28.5	0.5
100	PI2 BPSK	135	6	25.42		27.0	0.0
100	PI2 BPSK	135	138	25.21		28.5	0.5
100	PI2 BPSK	270	0	25.38		27.0	0.0
100	QPSK	1	1	25.58			
100	QPSK	1	137	25.42		27.0	0.0
100	QPSK	1	271	25.32			
100	QPSK	135	0	25.04		28.0	1.0
100	QPSK	135	6	25.37		27.0	0.0
100	QPSK	135	138	24.71		28.0	1.0
100	QPSK	270	0	25.02			
100	16QAM	1	1	25.07		28.0	1.0
100	16QAM	1	1	23.74		24.5	2.5
100	256QAM	1	1	21.69		22.5	4.5
Channel				64868	65000	65034	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	25.35	25.38	25.32	27.0
Channel				64834	65000	65066	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	25.31	25.43	25.36	27.0
Channel				64800	65000	65100	
Frequency (MHz)				3735.02	3750	3765.01	
70	QPSK	1	1	25.34	25.45	25.34	27.0
Channel				64868	65000	65134	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	25.28	25.42	25.31	27.0
Channel				64834	65000	65166	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	25.30	25.46	25.34	27.0
Channel				64800	65000	65200	
Frequency (MHz)				3720.02	3750	3780.01	
40	QPSK	1	1	25.32	25.40	25.38	27.0
Channel				64768	65000	65234	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	25.32	25.42	25.40	27.0
Channel				64734	65000	65266	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	25.31	25.45	25.41	27.0

Part270 n78_PC3 Ant7 DSI6 Standalone&Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	MPR (dB)
Channel				63334			
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1	23.03			
100	PI2 BPSK	1	137	22.96		24.0	0.0
100	PI2 BPSK	1	271	23.00			
100	PI2 BPSK	135	0	22.75		24.0	0.5
100	PI2 BPSK	135	6	23.13		24.0	0.0
100	PI2 BPSK	135	138	22.58		24.0	0.5
100	PI2 BPSK	270	0	22.64		24.0	0.0
100	QPSK	1	1	23.15			
100	QPSK	1	137	22.95		24.0	0.0
100	QPSK	1	271	22.98			
100	QPSK	135	0	22.17		24.0	0.0
100	QPSK	135	6	23.17			
100	QPSK	135	138	22.05		24.0	1.0
100	QPSK	270	0	22.25		24.0	1.0
100	16QAM	1	1	22.38		24.0	1.0
100	16QAM	1	1	20.83		24.0	2.5
100	256QAM	1	1	18.78		24.0	4.5
Channel				63300	63334	63368	
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	1	22.98	23.07	23.05	24.0
Channel				63266	63334	63400	
Frequency (MHz)				3490.02	3500.01	3510.01	
80	QPSK	1	1	23.04	23.04	23.06	24.0
Channel				63234	63334	63434	
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	1	23.07	23.08	23.05	24.0
Channel				63200	63334	63468	
Frequency (MHz)				3480.02	3500.01	3520.02	
60	QPSK	1	1	22.97	23.07	22.99	24.0
Channel				63166	63334	63500	
Frequency (MHz)				3475.02	3500.01	3525.02	
50	QPSK	1	1	23.06	23.04	23.04	24.0
Channel				63134	63334	63534	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	1	22.99	23.06	23.04	24.0
Channel				63100	63334	63568	
Frequency (MHz)				3465.01	3500.01	3535.02	
30	QPSK	1	1	23.02	23.03	23.01	24.0
Channel				63068	63334	63600	
Frequency (MHz)				3460.02	3500.01	3540.02	
20	QPSK	1	1	22.97	23.04	23.07	24.0



Part27Q n78_PC2 Ant7 DSI6 Standalone&Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
	Channel			633000	633334	633668		
	Frequency (MHz)			3495	3500.01	3505.02		
100	PV2 BPSK	1	1	26.21			27.0	0.0
100	PV2 BPSK	1	137	26.16				
100	PV2 BPSK	1	271	26.02			23.5	3.5
100	PV2 BPSK	135	0	26.10				
100	PV2 BPSK	135	69	26.12			27.0	0.0
100	PV2 BPSK	135	138	26.09			23.5	3.5
100	PV2 BPSK	270	0	26.05			26.5	0.5
100	QPSK	1	1	26.25				
100	QPSK	1	137	26.13			27.0	0.0
100	QPSK	1	271	26.06				
100	QPSK	135	0	25.71			23.5	3.5
100	QPSK	135	69	26.13			27.0	0.0
100	QPSK	135	138	25.85			23.5	3.5
100	QPSK	270	0	25.77			26.5	0.5
100	16QAM	1	1	25.59			26.0	1.0
100	64QAM	1	1	24.43			23.5	2.5
100	256QAM	1	1	22.31			22.5	4.5
	Channel			633000	633334	633668		
	Frequency (MHz)			3495	3500.01	3505.02		
90	QPSK	1	1	26.05	26.07	26.10	27.0	0.0
	Channel			632000	633334	635000		
	Frequency (MHz)			3490.02	3500.01	3510		
80	QPSK	1	1	26.06	26.05	26.05	27.0	0.0
	Channel			632334	633334	634334		
	Frequency (MHz)			3485.01	3500.01	3515.01		
70	QPSK	1	1	25.99	26.03	26.07	27.0	0.0
	Channel			632000	633334	634668		
	Frequency (MHz)			3480	3500.01	3520.02		
60	QPSK	1	1	26.00	26.04	26.10	27.0	0.0
	Channel			631668	633334	635000		
	Frequency (MHz)			3475.02	3500.01	3525		
50	QPSK	1	1	26.05	26.07	26.04	27.0	0.0
	Channel			631334	633334	635334		
	Frequency (MHz)			3470.01	3500.01	3530.01		
40	QPSK	1	1	26.02	26.09	26.04	27.0	0.0
	Channel			631000	633334	635668		
	Frequency (MHz)			3465	3500.01	3535.02		
30	QPSK	1	1	26.03	26.02	26.08	27.0	0.0
	Channel			630500	633334	635000		
	Frequency (MHz)			3460.02	3500.01	3540		
20	QPSK	1	1	26.00	26.06	26.05	27.0	0.0



Part270 n78 PC3 Ant3 Default Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	22.37					
100	PI2 BPSK	1	137	22.20			24.0	0.0	
100	PI2 BPSK	1	271	22.15			24.0	0.0	
100	PI2 BPSK	135	0	22.30			24.0	0.0	
100	PI2 BPSK	135	69	22.19			24.0	0.0	
100	PI2 BPSK	135	138	22.04			24.0	0.0	
100	PI2 BPSK	270	0	22.23			24.0	0.0	
100	QPSK	1	1	22.48					
100	QPSK	1	137	22.25			24.0	0.0	
100	QPSK	1	271	22.07			24.0	0.0	
100	QPSK	135	0	22.22			24.0	0.0	
100	QPSK	135	69	22.21			24.0	0.0	
100	QPSK	135	138	22.16			24.0	0.0	
100	QPSK	270	0	22.16			24.0	0.0	
100	16QAM	1	1	21.41			23.0	1.0	
100	16QAM	1	1	19.93			21.5	2.5	
100	256QAM	1	1	18.08			19.5	4.5	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	24.0	0.0	
90	QPSK	1	1	22.29	22.43	22.34	24.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0	
80	QPSK	1	1	22.28	22.36	22.31	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3750.01	24.0	0.0	
70	QPSK	1	1	22.23	22.34	22.30	24.0	0.0	
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	24.0	0.0	
60	QPSK	1	1	22.33	22.34	22.26	24.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	24.0	0.0	
50	QPSK	1	1	22.28	22.42	22.26	24.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3780.01	24.0	0.0	
40	QPSK	1	1	22.31	22.41	22.30	24.0	0.0	
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	24.0	0.0	
30	QPSK	1	1	22.33	22.36	22.30	24.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	24.0	0.0	
20	QPSK	1	1	22.33	22.44	22.24	24.0	0.0	

Part270 n78 PC2 Ant3 Default Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	25.18					
100	PI2 BPSK	1	137	25.14			27.0	0.0	
100	PI2 BPSK	1	271	25.27			28.5	0.5	
100	PI2 BPSK	135	0	25.08			27.0	0.0	
100	PI2 BPSK	135	69	25.30			27.0	0.0	
100	PI2 BPSK	135	138	25.17			26.5	0.5	
100	PI2 BPSK	270	0	25.15			27.0	0.0	
100	QPSK	1	1	25.41					
100	QPSK	1	137	25.30			27.0	0.0	
100	QPSK	1	271	25.14			28.0	1.0	
100	QPSK	135	0	25.02			27.0	0.0	
100	QPSK	135	69	25.25			28.0	1.0	
100	QPSK	135	138	25.11			24.5	2.5	
100	QPSK	270	0	25.15			22.5	4.5	
100	16QAM	1	1	25.01			28.0	1.0	
100	16QAM	1	1	23.62			24.5	2.5	
100	256QAM	1	1	21.47			19.22	4.5	
Channel				648688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	27.0	0.0	
90	QPSK	1	1	25.26	25.22	25.28	27.0	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	27.0	0.0	
80	QPSK	1	1	25.23	25.14	25.25	27.0	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765.01	27.0	0.0	
70	QPSK	1	1	25.29	25.19	25.26	27.0	0.0	
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	27.0	0.0	
60	QPSK	1	1	25.20	25.15	25.34	27.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	27.0	0.0	
50	QPSK	1	1	25.31	25.17	25.24	27.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3780.01	27.0	0.0	
40	QPSK	1	1	25.30	25.25	25.26	27.0	0.0	
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	27.0	0.0	
30	QPSK	1	1	25.22	25.23	25.30	27.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0	
20	QPSK	1	1	25.30	25.19	25.23	27.0	0.0	

Part27Q n78 PC3 Ant3 Default Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	22.89					
100	PI2 BPSK	1	137	22.74			24.0	0.0	
100	PI2 BPSK	1	271	22.59			24.0	0.0	
100	PI2 BPSK	135	0	22.25			24.0	0.0	
100	PI2 BPSK	135	69	22.67			24.0	0.0	
100	PI2 BPSK	135	138	22.13			24.0	0.0	
100	PI2 BPSK	270	0	22.16			24.0	0.5	
100	QPSK	1	1	22.84					
100	QPSK	1	137	22.79			24.0	0.0	
100	QPSK	1	271	22.63			24.0	0.0	
100	QPSK	135	0	21.77			24.0	0.0	
100	QPSK	135	69	22.82			24.0	0.0	
100	QPSK	135	138	21.63			24.0	1.0	
100	QPSK	270	0	21.67			24.0	1.0	
100	16QAM	1	1	21.53			24.0	1.0	
100	16QAM	1	1	20.37			24.0	2.5	
100	256QAM	1	1	18.22			18.22	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02	24.0	0.0	
90	QPSK	1	1	22.61	22.66	22.68	24.0	0.0	
Channel				632668	633334	633000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0	
80	QPSK	1	1	22.65	22.72	22.61	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	24.0	0.0	
70	QPSK	1	1	22.67	22.69	22.63	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0	
60	QPSK	1	1	22.65	22.67	22.68	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0	
50	QPSK	1	1	22.68	22.64	22.68	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0	
40	QPSK	1	1	22.61	22.65	22.69	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	24.0	0.0	
30	QPSK	1	1	22.69	22.71	22.65	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0	
20	QPSK	1	1	22.62	22.73	22.60	24.0	0.0	



Part27Q n78 PC2 Ant3 Default Power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
	Channel			633000	633334	633668	limit (dBm)	MPR (dB)
	Frequency (MHz)			3495	3500.01	3505.02		
100	PV2 BPSK	1	1		25.77		27.0	0.0
100	PV2 BPSK	1	137		25.82			
100	PV2 BPSK	1	271		25.87		27.0	0.0
100	PV2 BPSK	135	0		25.80			
100	PV2 BPSK	135	69		25.76		27.0	0.0
100	PV2 BPSK	135	138		25.63		27.0	0.0
100	PV2 BPSK	270	0		25.75		26.5	0.5
100	QPSK	1	1		25.84		27.0	0.0
100	QPSK	1	137		25.80			
100	QPSK	1	271		25.73		27.0	0.0
100	QPSK	135	0		25.44		27.0	0.0
100	QPSK	135	69		25.71		27.0	0.0
100	QPSK	135	138		25.18		27.0	0.0
100	QPSK	270	0		25.34		26.5	0.5
100	16QAM	1	1		25.26		26.0	1.0
100	64QAM	1	1		24.00		24.5	2.5
100	256QAM	1	1		22.05		22.5	4.5
	Channel			633000	633334	633668	limit (dBm)	MPR (dB)
	Frequency (MHz)			3495	3500.01	3505.02		
90	QPSK	1	1	25.72	25.73	25.70	27.0	0.0
	Channel			632000	633334	635000	limit (dBm)	MPR (dB)
	Frequency (MHz)			3490.02	3500.01	3510		
80	QPSK	1	1	25.74	25.76	25.78	27.0	0.0
	Channel			632334	633334	634334	limit (dBm)	MPR (dB)
	Frequency (MHz)			3485.01	3500.01	3415.01		
70	QPSK	1	1	25.77	25.74	25.72	27.0	0.0
	Channel			632000	633334	634668	limit (dBm)	MPR (dB)
	Frequency (MHz)			3480	3500.01	3520.02		
60	QPSK	1	1	25.77	25.73	25.76	27.0	0.0
	Channel			631668	633334	635000	limit (dBm)	MPR (dB)
	Frequency (MHz)			3475.02	3500.01	3525		
50	QPSK	1	1	25.77	25.71	25.78	27.0	0.0
	Channel			631334	633334	635334	limit (dBm)	MPR (dB)
	Frequency (MHz)			3470.01	3500.01	3530.01		
40	QPSK	1	1	25.77	25.77	25.76	27.0	0.0
	Channel			631000	633334	635668	limit (dBm)	MPR (dB)
	Frequency (MHz)			3465	3500.01	3535.02		
30	QPSK	1	1	25.69	25.74	25.70	27.0	0.0
	Channel			630668	633334	635000	limit (dBm)	MPR (dB)
	Frequency (MHz)			3460.02	3500.01	3540		
20	QPSK	1	1	25.75	25.76	25.76	27.0	0.0



Part270 n78_PC3 Ant8 Default Power

BW (MHz)	Modulation	RB 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					
100	PI2 BPSK	1	1	22.23					
100	PI2 BPSK	1	137	22.21			24.0	0.0	
100	PI2 BPSK	1	271	22.17					
100	PI2 BPSK	135	0	21.77			23.5	0.0	
100	PI2 BPSK	135	69	22.12			24.0	0.0	
100	PI2 BPSK	135	138	21.83			23.5	0.5	
100	PI2 BPSK	270	0	21.72					
100	QPSK	1	1	22.27					
100	QPSK	1	137	22.15			24.0	0.0	
100	QPSK	1	271	22.14					
100	QPSK	135	0	21.22			23.0	1.0	
100	QPSK	135	69	22.11			24.0	0.0	
100	QPSK	135	138	21.16			23.0	1.0	
100	QPSK	270	0	21.21					
100	16QAM	1	1	21.37			23.0	1.0	
100	16QAM	1	1	19.84			21.5	2.5	
100	256QAM	1	1	17.85			19.5	4.5	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02			3750	3755.01	
90	QPSK	1	1	22.11	22.20	22.16	24.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01			3750	3760.02	
80	QPSK	1	1	22.10	22.16	22.11	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02			3750	3765.01	
70	QPSK	1	1	22.08	22.22	22.20	24.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02			3750	3770.01	
60	QPSK	1	1	22.03	22.26	22.08	24.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01			3750	3775.02	
50	QPSK	1	1	22.09	22.19	22.19	24.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.01			3750	3780.01	
40	QPSK	1	1	22.08	22.10	22.11	24.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02			3750	3785.01	
30	QPSK	1	1	22.07	22.19	22.10	24.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01			3750	3790.02	
20	QPSK	1	1	22.12	22.22	22.05	24.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	25.22					
100	PI2 BPSK	1	137	25.17			27.0	0.0	
100	PI2 BPSK	1	271	25.15					
100	PI2 BPSK	135	0	25.21			27.0	0.0	
100	PI2 BPSK	135	69	25.15			27.0	0.0	
100	PI2 BPSK	135	138	25.08			27.0	0.0	
100	PI2 BPSK	270	0	25.19					
100	QPSK	1	1	25.28					
100	QPSK	1	137	25.18			27.0	0.0	
100	QPSK	1	271	25.22					
100	QPSK	135	0	25.03			27.0	0.0	
100	QPSK	135	69	25.25			27.0	0.0	
100	QPSK	135	138	25.01			27.0	0.0	
100	QPSK	270	0	25.06					
100	16QAM	1	1	25.12			27.0	0.0	
100	16QAM	1	1	23.56			25.5	1.5	
100	256QAM	1	1	22.33			24.0	3.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02			3750	3755.01	
90	QPSK	1	1	25.18	25.10	25.14	27.0	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01			3750	3760.02	
80	QPSK	1	1	25.05	25.06	25.08	27.0	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02			3750	3765.01	
70	QPSK	1	1	25.16	25.24	25.16	27.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02			3750	3770.01	
60	QPSK	1	1	25.11	25.08	25.13	27.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01			3750	3775.02	
50	QPSK	1	1	25.24	25.04	25.17	27.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.01			3750	3780.01	
40	QPSK	1	1	25.19	25.11	25.11	27.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02			3750	3785.01	
30	QPSK	1	1	25.16	25.16	25.12	27.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01			3750	3790.02	
20	QPSK	1	1	25.23	25.05	25.10	27.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	22.88					
100	PI2 BPSK	1	137	22.89			24.0	0.0	
100	PI2 BPSK	1	271	22.81					
100	PI2 BPSK	135	0	22.38			24.0	0.0	
100	PI2 BPSK	135	69	22.73			24.0	0.0	
100	PI2 BPSK	135	138	22.25			24.0	0.5	
100	PI2 BPSK	270	0	22.17					
100	QPSK	1	1	22.74					
100	QPSK	1	137	22.79			24.0	0.0	
100	QPSK	1	271	22.53					
100	QPSK	135	0	21.83			24.0	0.0	
100	QPSK	135	69	22.68			24.0	0.0	
100	QPSK	135	138	21.74			24.0	1.0	
100	QPSK	270	0	21.71					
100	16QAM	1	1	21.83			24.0	1.0	
100	16QAM	1	1	20.42			24.0	2.5	
100	256QAM	1	1	18.38			24.0	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485			3500.01	3505.02	
90	QPSK	1	1	22.60	22.85	22.61	24.0	0.0	
Channel				632668	633334	633000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02			3500.01	3510.01	
80	QPSK	1	1	22.81	22.58	22.56	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01			3500.01	3515.01	
70	QPSK	1	1	22.80	22.60	22.61	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.01			3500.01	3520.02	
60	QPSK	1	1	22.60	22.85	22.59	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02			3500.01	3525.01	
50	QPSK	1	1	22.85	22.59	22.57	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01			3500.01	3530.01	
40	QPSK	1	1	22.60	22.64	22.57	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.01			3500.01	3535.02	
30	QPSK	1	1	22.88	22.61	22.53	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02			3500.01	3540.01	
20	QPSK	1	1	22.63	22.57	22.58	24.0	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
	Channel				633334			
	Frequency (MHz)				3500.01			
100	PV2 BPSK	1	1		25.73			
100	PV2 BPSK	1	137		25.71			
100	PV2 BPSK	1	271		25.67			
100	PV2 BPSK	135	0		25.19		23.5	3.5
100	PV2 BPSK	135	69		25.64		27.0	0.0
100	PV2 BPSK	135	138		25.67		23.5	3.5
100	PV2 BPSK	270	0		25.43		26.5	0.5
100	QPSK	1	1		25.75			
100	QPSK	1	137		25.64		27.0	0.0
100	QPSK	1	271		25.69			
100	QPSK	135	0		25.25		23.5	3.5
100	QPSK	135	69		25.61		27.0	0.0
100	QPSK	135	138		25.17		23.5	3.5
100	QPSK	270	0		25.02		26.5	0.5
100	16QAM	1	1		23.86		26.0	1.0
100	64QAM	1	1		22.98		24.5	2.5
100	256QAM	1	1		21.76		22.5	4.5
	Channel			633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3485	3500.01	3505.02		
90	QPSK	1	1	25.53	25.47	25.59	27.0	0.0
	Channel			632505	633334	634000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3490.02	3500.01	3510		
80	QPSK	1	1	25.54	25.45	25.59	27.0	0.0
	Channel			632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3485.01	3500.01	3485.01		
70	QPSK	1	1	25.49	25.55	25.60	27.0	0.0
	Channel			632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3480	3500.01	3520.02		
60	QPSK	1	1	25.54	25.64	25.60	27.0	0.0
	Channel			631668	633334	633500	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3475.02	3500.01	3525		
50	QPSK	1	1	25.53	25.50	25.56	27.0	0.0
	Channel			631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3470.01	3500.01	3530.01		
40	QPSK	1	1	25.53	25.48	25.53	27.0	0.0
	Channel			631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3465	3500.01	3535.02		
30	QPSK	1	1	25.49	25.46	25.55	27.0	0.0
	Channel			630505	633334	633000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3460.02	3500.01	3540		
20	QPSK	1	1	25.56	25.53	25.61	27.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.37				
100	PI/2 BPSK	1	137	22.20			24.0	0.0
100	PI/2 BPSK	1	271	22.15			24.0	0.0
100	PI/2 BPSK	135	0	22.30			24.0	0.0
100	PI/2 BPSK	135	69	22.19			24.0	0.0
100	PI/2 BPSK	135	138	22.04			24.0	0.0
100	PI/2 BPSK	270	0	22.23			24.0	0.0
100	QPSK	1	1	22.38				
100	QPSK	1	137	22.25			24.0	0.0
100	QPSK	1	271	22.07			24.0	0.0
100	QPSK	135	0	22.21			24.0	0.0
100	QPSK	135	69	22.32			24.0	0.0
100	QPSK	135	138	22.16			24.0	0.0
100	QPSK	270	0	22.16			24.0	0.0
100	16QAM	1	1	21.41			23.0	1.0
100	16QAM	1	1	19.93			21.5	2.5
100	256QAM	1	1	18.08			19.5	4.5
Channel								
Frequency (MHz)				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.29	22.43	22.34	24.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0
80	QPSK	1	1	22.28	22.36	22.31	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.23	22.34	22.30	24.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.33	22.34	22.26	24.0	0.0
Channel								
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.28	22.42	22.26	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.23	22.41	22.30	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.33	22.36	22.30	24.0	0.0
Channel								
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.33	22.44	22.24	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	25.18				
100	PI/2 BPSK	1	137	25.14			27.0	0.0
100	PI/2 BPSK	1	271	25.27			28.5	0.5
100	PI/2 BPSK	135	0	25.08			27.0	0.0
100	PI/2 BPSK	135	69	25.30			28.5	0.5
100	PI/2 BPSK	135	138	25.17			27.0	0.0
100	PI/2 BPSK	270	0	25.15			24.5	2.5
100	QPSK	1	1	25.41				
100	QPSK	1	137	25.30			27.0	0.0
100	QPSK	1	271	25.14			28.0	1.0
100	QPSK	135	0	25.02			27.0	0.0
100	QPSK	135	69	25.25			28.0	1.0
100	QPSK	135	138	25.11			24.5	2.5
100	QPSK	270	0	25.15			22.5	4.5
100	16QAM	1	1	25.01			28.0	1.0
100	16QAM	1	1	23.62			24.5	2.5
100	256QAM	1	1	21.47			22.5	4.5
Channel								
Frequency (MHz)				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	25.26	25.22	25.28	27.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	27.0	0.0
80	QPSK	1	1	25.23	25.14	25.25	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.29	25.19	25.26	27.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	25.20	25.15	25.34	27.0	0.0
Channel								
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.31	25.17	25.24	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.30	25.25	25.26	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	25.22	25.23	25.30	27.0	0.0
Channel								
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.30	25.19	25.23	27.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.89				
100	PI/2 BPSK	1	137	22.74			24.0	0.0
100	PI/2 BPSK	1	271	22.59			24.0	0.0
100	PI/2 BPSK	135	0	22.25			24.0	0.0
100	PI/2 BPSK	135	69	22.67			24.0	0.0
100	PI/2 BPSK	135	138	22.13			24.0	0.0
100	PI/2 BPSK	270	0	22.16			24.0	0.5
100	QPSK	1	1	22.84				
100	QPSK	1	137	22.79			24.0	0.0
100	QPSK	1	271	22.63			24.0	0.0
100	QPSK	135	0	21.77			24.0	0.0
100	QPSK	135	69	22.82			24.0	0.0
100	QPSK	135	138	21.63			24.0	1.0
100	QPSK	270	0	21.67			24.0	1.0
100	16QAM	1	1	21.53			24.0	1.0
100	16QAM	1	1	20.37			24.0	2.5
100	256QAM	1	1	18.22			24.0	4.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.61	22.66	22.68	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0
80	QPSK	1	1	22.65	22.72	22.61	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.67	22.69	22.63	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.65	22.67	22.68	24.0	0.0
Channel								
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.68	22.64	22.68	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.61	22.65	22.69	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.69	22.71	22.65	24.0	0.0
Channel								
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0
20	QPSK	1	1	22.62	22.73	22.60	24.0	0.0



Part27Q n78 PC2 Ant3 DSI3 Standalone Power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668	limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
100	PV2 BPSK	1	1	25.77	25.77		27.0	0.0
100	PV2 BPSK	1	137	25.82	25.82			
100	PV2 BPSK	1	271	25.87	25.87		23.5	3.5
100	PV2 BPSK	135	0	25.80	25.80		27.0	0.0
100	PV2 BPSK	135	69	25.76	25.76		26.5	0.5
100	PV2 BPSK	135	138	25.63	25.63		27.0	0.0
100	PV2 BPSK	270	0	25.75	25.75		26.5	0.5
100	QPSK	1	1	25.84	25.84		27.0	0.0
100	QPSK	1	137	25.80	25.80			
100	QPSK	1	271	25.73	25.73		23.5	3.5
100	QPSK	135	0	25.44	25.44		27.0	0.0
100	QPSK	135	69	25.71	25.71		23.0	0.0
100	QPSK	135	138	25.18	25.18		23.5	3.5
100	QPSK	270	0	25.34	25.34		26.5	0.5
100	16QAM	1	1	25.26	25.26		26.0	1.0
100	64QAM	1	1	24.00	24.00		24.5	2.5
100	256QAM	1	1	22.05	22.05		22.5	4.5
Channel				633000	633334	633668	limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.72	25.73	25.70	27.0	0.0
Channel				632000	633334	635000	limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.74	25.76	25.78	27.0	0.0
Channel				632334	633334	634334	limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.77	25.74	25.72	27.0	0.0
Channel				632000	633334	634668	limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.77	25.73	25.76	27.0	0.0
Channel				631000	633334	635000	limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.77	25.71	25.78	27.0	0.0
Channel				631334	633334	635334	limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.77	25.77	25.76	27.0	0.0
Channel				631000	633334	635668	limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.69	25.74	25.70	27.0	0.0
Channel				630000	633334	635000	limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.75	25.76	25.76	27.0	0.0



Part270 n78 PC3 Ant3 DSI3 Simultaneous Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	20.24			21.4	0.0	
100	PI2 BPSK	1	137	20.22			21.4	0.0	
100	PI2 BPSK	1	271	19.99			21.4	0.0	
100	PI2 BPSK	135	0	20.10			21.4	0.0	
100	PI2 BPSK	135	69	20.09			21.4	0.0	
100	PI2 BPSK	135	138	20.22			21.4	0.0	
100	PI2 BPSK	270	0	20.15			21.4	0.0	
100	QPSK	1	1	20.20			21.4	0.0	
100	QPSK	1	137	20.17			21.4	0.0	
100	QPSK	1	271	20.07			21.4	0.0	
100	QPSK	135	0	20.07			21.4	0.0	
100	QPSK	135	69	20.14			21.4	0.0	
100	QPSK	135	138	20.05			21.4	0.0	
100	QPSK	270	0	20.13			21.4	0.0	
100	16QAM	1	1	19.94			21.4	0.0	
100	16QAM	1	1	19.43			21.4	0.0	
100	256QAM	1	1	18.08			19.5	1.9	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	21.4	0.0	
90	QPSK	1	1	19.77	19.69	19.84	21.4	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	21.4	0.0	
80	QPSK	1	1	19.78	19.77	19.88	21.4	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765.01	21.4	0.0	
70	QPSK	1	1	19.88	19.88	19.80	21.4	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	21.4	0.0	
60	QPSK	1	1	19.80	19.81	19.77	21.4	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.4	0.0	
50	QPSK	1	1	19.84	19.81	19.86	21.4	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.01	3750	3780.01	21.4	0.0	
40	QPSK	1	1	19.81	19.89	19.77	21.4	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	21.4	0.0	
30	QPSK	1	1	19.80	19.75	19.77	21.4	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	21.4	0.0	
20	QPSK	1	1	19.86	19.68	19.88	21.4	0.0	

Part270 n78 PC2 Ant3 DSI3 Simultaneous Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	23.19			24.4	0.0	
100	PI2 BPSK	1	137	23.08			24.4	0.0	
100	PI2 BPSK	1	271	23.08			24.4	0.0	
100	PI2 BPSK	135	0	23.03			24.4	0.0	
100	PI2 BPSK	135	69	23.06			24.4	0.0	
100	PI2 BPSK	135	138	23.12			24.4	0.0	
100	PI2 BPSK	270	0	22.97			24.4	0.0	
100	QPSK	1	1	23.31			24.4	0.0	
100	QPSK	1	137	22.94			24.4	0.0	
100	QPSK	1	271	23.07			24.4	0.0	
100	QPSK	135	0	23.04			24.4	0.0	
100	QPSK	135	69	23.22			24.4	0.0	
100	QPSK	135	138	22.99			24.4	0.0	
100	QPSK	270	0	22.95			24.4	0.0	
100	16QAM	1	1	23.11			24.4	0.0	
100	16QAM	1	1	21.64			24.4	0.0	
100	256QAM	1	1	21.47			22.5	1.9	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	24.4	0.0	
90	QPSK	1	1	23.01	23.01	23.18	24.4	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	24.4	0.0	
80	QPSK	1	1	23.00	23.10	23.20	24.4	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765.01	24.4	0.0	
70	QPSK	1	1	22.93	23.02	23.14	24.4	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	24.4	0.0	
60	QPSK	1	1	22.85	23.07	23.14	24.4	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	24.4	0.0	
50	QPSK	1	1	23.01	23.01	23.12	24.4	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.01	3750	3780.01	24.4	0.0	
40	QPSK	1	1	22.95	23.08	23.10	24.4	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	24.4	0.0	
30	QPSK	1	1	22.92	23.05	23.10	24.4	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	24.4	0.0	
20	QPSK	1	1	23.00	23.13	23.09	24.4	0.0	

Part27Q n78 PC3 Ant3 DSI3 Simultaneous Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633000					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	19.99			21.4	0.0	
100	PI2 BPSK	1	137	20.04			21.4	0.0	
100	PI2 BPSK	1	271	19.89			21.4	0.0	
100	PI2 BPSK	135	0	19.85			21.4	0.0	
100	PI2 BPSK	135	69	19.97			21.4	0.0	
100	PI2 BPSK	135	138	19.73			21.4	0.0	
100	PI2 BPSK	270	0	19.96			21.4	0.0	
100	QPSK	1	1	20.14			21.4	0.0	
100	QPSK	1	137	20.09			21.4	0.0	
100	QPSK	1	271	19.93			21.4	0.0	
100	QPSK	135	0	19.87			21.4	0.0	
100	QPSK	135	69	20.12			21.4	0.0	
100	QPSK	135	138	19.81			21.4	0.0	
100	QPSK	270	0	19.97			21.4	0.0	
100	16QAM	1	1	19.83			21.4	0.0	
100	16QAM	1	1	20.01			21.4	0.0	
100	256QAM	1	1	18.22			18.5	1.9	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02	21.4	0.0	
90	QPSK	1	1	19.61	19.69	19.68	21.4	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510.01	21.4	0.0	
80	QPSK	1	1	19.65	19.72	19.61	21.4	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.01	3500.01	3515.01	21.4	0.0	
70	QPSK	1	1	19.67	19.69	19.63	21.4	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	21.4	0.0	
60	QPSK	1	1	19.65	19.67	19.63	21.4	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	21.4	0.0	
50	QPSK	1	1	19.68	19.64	19.68	21.4	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	21.4	0.0	
40	QPSK	1	1	19.51	19.65	19.69	21.4	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	21.4	0.0	
30	QPSK	1	1	19.69	19.71	19.65	21.4	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	21.4	0.0	
20	QPSK	1	1	19.62	19.73	19.60	21.4	0.0	



Part27Q n78 PC2 Ant3 DSI3 Simultaneous Power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
	Channel				633334			
	Frequency (MHz)				3500.01			
100	PV2 BPSK	1	1		23.03			
100	PV2 BPSK	1	137		23.10		24.4	0.0
100	PV2 BPSK	1	271		22.95		24.4	0.0
100	PV2 BPSK	135	0		23.09		24.4	0.0
100	PV2 BPSK	155	69		23.06		24.4	0.0
100	PV2 BPSK	135	138		22.91		24.4	0.0
100	PV2 BPSK	270	0		23.09		24.4	0.0
100	QPSK	1	1		23.11			
100	QPSK	1	137		23.01		24.4	0.0
100	QPSK	1	271		23.05		24.4	0.0
100	QPSK	135	0		22.91		24.4	0.0
100	QPSK	155	69		23.10		24.4	0.0
100	QPSK	135	138		22.96		24.4	0.0
100	QPSK	270	0		23.01		24.4	0.0
100	16QAM	1	1		23.10		24.4	0.0
100	64QAM	1	1		22.96		24.4	0.0
100	256QAM	1	1		22.55		22.5	1.9
	Channel			633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3485	3500.01	3505.02		
90	QPSK	1	1	23.04	23.09	23.07	24.4	0.0
	Channel			632508	633334	634000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3490.02	3500.01	3510		
80	QPSK	1	1	23.01	23.06	23.10	24.4	0.0
	Channel			632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3485.01	3500.01	3495.01		
70	QPSK	1	1	22.99	23.01	23.07	24.4	0.0
	Channel			632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3480	3500.01	3500.02		
60	QPSK	1	1	23.03	23.05	23.07	24.4	0.0
	Channel			631668	633334	633500	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3475.02	3500.01	3505		
50	QPSK	1	1	22.94	23.06	23.03	24.4	0.0
	Channel			631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3470.01	3500.01	3500.01		
40	QPSK	1	1	23.00	23.04	23.10	24.4	0.0
	Channel			631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3465	3500.01	3505.02		
30	QPSK	1	1	22.97	23.08	23.05	24.4	0.0
	Channel			630508	633334	633500	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3460.02	3500.01	3500		
20	QPSK	1	1	22.92	23.08	23.02	24.4	0.0



Part270 n78_PC3 Ant8 DSI3 Standalone Power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1	17.40				
100	PI2 BPSK	1	137	17.50			19.0	0.0
100	PI2 BPSK	1	271	17.51				
100	PI2 BPSK	135	0	17.48			19.0	0.0
100	PI2 BPSK	135	69	17.46			19.0	0.0
100	PI2 BPSK	135	138	17.49			19.0	0.0
100	PI2 BPSK	270	0	17.48			19.0	0.0
100	QPSK	1	1	17.52				
100	QPSK	1	137	17.43			19.0	0.0
100	QPSK	1	271	17.34				
100	QPSK	135	0	17.45			19.0	0.0
100	QPSK	135	69	17.48			19.0	0.0
100	QPSK	135	138	17.38			19.0	0.0
100	QPSK	270	0	17.51			19.0	0.0
100	16QAM	1	1	17.48			19.0	0.0
100	16QAM	1	1	17.42			19.0	0.0
100	256QAM	1	1	17.47			19.0	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.01	17.14	17.08	19.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.03	17.06	17.06	19.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.01	3750	3765.01		
70	QPSK	1	1	17.03	17.05	17.12	19.0	0.0
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.03	17.07	17.09	19.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.07	17.09	17.03	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.01	3750	3780.01		
40	QPSK	1	1	17.03	17.10	17.11	19.0	0.0
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.03	17.14	17.10	19.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.06	17.11	17.03	19.0	0.0

Part270 n78_PC2 Ant8 DSI3 Standalone Power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1	20.48				
100	PI2 BPSK	1	137	20.50			22.0	0.0
100	PI2 BPSK	1	271	20.56				
100	PI2 BPSK	135	0	20.54			22.0	0.0
100	PI2 BPSK	135	69	20.45			22.0	0.0
100	PI2 BPSK	135	138	20.58			22.0	0.0
100	PI2 BPSK	270	0	20.56			22.0	0.0
100	QPSK	1	1	20.61				
100	QPSK	1	137	20.58			22.0	0.0
100	QPSK	1	271	20.54				
100	QPSK	135	0	20.47			22.0	0.0
100	QPSK	135	69	20.50			22.0	0.0
100	QPSK	135	138	20.40			22.0	0.0
100	QPSK	270	0	20.43			22.0	0.0
100	16QAM	1	1	20.55			22.0	0.0
100	16QAM	1	1	20.54			22.0	0.0
100	256QAM	1	1	20.50			22.0	0.0
Channel				648688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.03	20.02	20.01	22.0	0.0
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.06	20.12	20.05	22.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.01	3750	3765.01		
70	QPSK	1	1	20.05	20.05	20.01	22.0	0.0
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.05	20.02	20.06	22.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.02	20.01	20.02	22.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.01	3750	3780.01		
40	QPSK	1	1	20.05	20.02	20.11	22.0	0.0
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.04	20.05	20.04	22.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.05	20.07	20.07	22.0	0.0

Part270 n78_PC3 Ant8 DSI3 Standalone Power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	17.47				
100	PI2 BPSK	1	137	17.45			19.0	0.0
100	PI2 BPSK	1	271	17.41				
100	PI2 BPSK	135	0	17.45			19.0	0.0
100	PI2 BPSK	135	69	17.50			19.0	0.0
100	PI2 BPSK	135	138	17.44			19.0	0.0
100	PI2 BPSK	270	0	17.48			19.0	0.0
100	QPSK	1	1	17.51				
100	QPSK	1	137	17.47			19.0	0.0
100	QPSK	1	271	17.38				
100	QPSK	135	0	17.44			19.0	0.0
100	QPSK	135	69	17.46			19.0	0.0
100	QPSK	135	138	17.42			19.0	0.0
100	QPSK	270	0	17.45			19.0	0.0
100	16QAM	1	1	17.43			19.0	0.0
100	16QAM	1	1	17.41			19.0	0.0
100	256QAM	1	1	17.41			19.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	16.60	16.85	16.61	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3510.01		
80	QPSK	1	1	16.61	16.58	16.56	19.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.01	3500.01	3515.01		
70	QPSK	1	1	16.60	16.60	16.61	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3520.02		
60	QPSK	1	1	16.60	16.55	16.59	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465.02	3500.01	3525.02		
50	QPSK	1	1	16.65	16.59	16.57	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.01	3500.01	3530.01		
40	QPSK	1	1	16.60	16.64	16.57	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3535.02		
30	QPSK	1	1	16.68	16.61	16.53	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.02	3500.01	3540.02		
20	QPSK	1	1	16.63	16.57	16.58	19.0	0.0



Part27Q n78_PC2 Ant8 DSI3 Standalone Power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	1	MPR	
Frequency (MHz)				3485	3500.01	3505.02			
100	PV2 BPSK	1	1		20.65				
100	PV2 BPSK	1	137		20.49		22.0	0.0	
100	PV2 BPSK	1	271		20.35				
100	PV2 BPSK	135	0		20.53				
100	PV2 BPSK	155	69		20.48		22.0	0.0	
100	PV2 BPSK	135	138		20.41				
100	PV2 BPSK	270	0		20.53		22.0	0.0	
100	QPSK	1	1		20.68				
100	QPSK	1	137		20.46		22.0	0.0	
100	QPSK	1	271		20.34				
100	QPSK	135	0		20.50				
100	QPSK	155	69		20.57		22.0	0.0	
100	QPSK	135	138		20.37				
100	QPSK	270	0		20.42		22.0	0.0	
100	16QAM	1	1		20.59		22.0	0.0	
100	64QAM	1	1		20.29		22.0	0.0	
100	256QAM	1	1		20.67		22.0	0.0	
Channel				633000	633334	633668	1	MPR	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1		20.37	20.24	20.30	22.0	0.0
Channel				632000	633334	633000	1	MPR	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		20.37	20.24	20.30	22.0	0.0
Channel				632334	633334	634334	1	MPR	
Frequency (MHz)				3485.01	3500.01	3495.01			
70	QPSK	1	1		20.37	20.24	20.30	22.0	0.0
Channel				632000	633334	634668	1	MPR	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		20.37	20.24	20.30	22.0	0.0
Channel				631668	633334	633000	1	MPR	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.37	20.24	20.30	22.0	0.0
Channel				631334	633334	635334	1	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.37	20.24	20.30	22.0	0.0
Channel				631000	633334	635668	1	MPR	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.37	20.24	20.30	22.0	0.0
Channel				630668	633334	633000	1	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		20.37	20.24	20.30	22.0	0.0



Part270 n78_PC3 Ant8 DSI3 Simultaneous Power									
BW (MHz)	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					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	16.84					
100	PI2 BPSK	1	137	16.51			18.0	0.0	
100	PI2 BPSK	1	271	16.40					
100	PI2 BPSK	135	0	16.57			18.0	0.0	
100	PI2 BPSK	135	69	16.46					
100	PI2 BPSK	135	138	16.49			18.0	0.0	
100	PI2 BPSK	270	0	16.46					
100	QPSK	1	1	16.57					
100	QPSK	1	137	16.59			18.0	0.0	
100	QPSK	1	271	16.38					
100	QPSK	135	0	16.58			18.0	0.0	
100	QPSK	135	69	16.52					
100	QPSK	135	138	16.46			18.0	0.0	
100	QPSK	270	0	16.60					
100	16QAM	1	1	16.63			18.0	0.0	
100	16QAM	1	1	16.04			18.0	0.0	
100	256QAM	1	1	16.59			18.0	0.0	
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	16.26	16.38	16.13	18.0	0.0	
Channel				64934	65000	65066	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	16.23	16.37	16.06	18.0	0.0	
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765.01			
70	QPSK	1	1	16.29	16.39	16.16	18.0	0.0	
Channel				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	16.22	16.33	16.12	18.0	0.0	
Channel				64834	65000	65166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	16.29	16.42	16.15	18.0	0.0	
Channel				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3780.01			
40	QPSK	1	1	16.29	16.37	16.13	18.0	0.0	
Channel				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	16.28	16.39	16.11	18.0	0.0	
Channel				64734	65000	65266	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	16.32	16.35	16.13	18.0	0.0	

Part270 n78_PC2 Ant8 DSI3 Simultaneous Power									
BW (MHz)	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					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	19.75					
100	PI2 BPSK	1	137	19.70			21.0	0.0	
100	PI2 BPSK	1	271	19.55					
100	PI2 BPSK	135	0	19.69			21.0	0.0	
100	PI2 BPSK	135	69	19.66					
100	PI2 BPSK	135	138	19.58			21.0	0.0	
100	PI2 BPSK	270	0	19.65					
100	QPSK	1	1	19.78					
100	QPSK	1	137	19.73			21.0	0.0	
100	QPSK	1	271	19.58					
100	QPSK	135	0	19.68			21.0	0.0	
100	QPSK	135	69	19.71					
100	QPSK	135	138	19.55			21.0	0.0	
100	QPSK	270	0	19.68					
100	16QAM	1	1	19.77			21.0	0.0	
100	16QAM	1	1	19.72			21.0	0.0	
100	256QAM	1	1	19.76			21.0	0.0	
Channel				64868	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	19.42	19.41	19.05	21.0	0.0	
Channel				64834	65000	65066	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	19.32	19.38	19.12	21.0	0.0	
Channel				64800	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765.01			
70	QPSK	1	1	19.31	19.39	19.14	21.0	0.0	
Channel				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	19.31	19.32	19.04	21.0	0.0	
Channel				64834	65000	65166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	19.22	19.35	19.12	21.0	0.0	
Channel				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3780.01			
40	QPSK	1	1	19.30	19.32	19.06	21.0	0.0	
Channel				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	19.29	19.35	19.14	21.0	0.0	
Channel				64734	65000	65266	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	19.28	19.41	19.15	21.0	0.0	

Part27Q n78_PC3 Ant8 DSI3 Simultaneous Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63000					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	16.40					
100	PI2 BPSK	1	137	16.50			18.0	0.0	
100	PI2 BPSK	1	271	16.52					
100	PI2 BPSK	135	0	16.58					
100	PI2 BPSK	135	69	16.49			18.0	0.0	
100	PI2 BPSK	135	138	16.44					
100	PI2 BPSK	270	0	16.52			18.0	0.0	
100	QPSK	1	1	16.65					
100	QPSK	1	137	16.50			18.0	0.0	
100	QPSK	1	271	16.41					
100	QPSK	135	0	16.52					
100	QPSK	135	69	16.61			18.0	0.0	
100	QPSK	135	138	16.51					
100	QPSK	270	0	16.48			18.0	0.0	
100	16QAM	1	1	16.50			18.0	0.0	
100	16QAM	1	1	16.52			18.0	0.0	
100	256QAM	1	1	16.38			18.0	0.0	
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1	16.36	16.42	16.13	18.0	0.0	
Channel				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510.01			
80	QPSK	1	1	16.28	16.36	16.16	18.0	0.0	
Channel				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.25	16.39	16.16	18.0	0.0	
Channel				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.34	16.33	16.12	18.0	0.0	
Channel				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525.02			
50	QPSK	1	1	16.30	16.44	16.16	18.0	0.0	
Channel				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.33	16.42	16.19	18.0	0.0	
Channel				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.32	16.36	16.10	18.0	0.0	
Channel				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540.01			
20	QPSK	1	1	16.33	16.32	16.13	18.0	0.0	



Part27Q n78_PC2 Ant8 DSI3 Simultaneous Power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
	Channel			633334	633334	633334		
	Frequency (MHz)				3500.01			
100	PV2 BPSK	1	1		19.59		21.0	0.0
100	PV2 BPSK	1	137		19.66			
100	PV2 BPSK	1	271		19.61		17.5	3.5
100	PV2 BPSK	135	0		19.67			
100	PV2 BPSK	135	69		19.62		21.0	0.0
100	PV2 BPSK	135	138		19.63		17.5	3.5
100	PV2 BPSK	270	0		19.66		21.0	0.0
100	QPSK	1	1		19.72			
100	QPSK	1	137		19.66		21.0	0.0
100	QPSK	1	271		19.56		17.5	3.5
100	QPSK	135	0		19.69			
100	QPSK	135	69		19.71		21.0	0.0
100	QPSK	135	138		19.63		17.5	3.5
100	QPSK	270	0		19.58		21.0	0.0
100	16QAM	1	1		19.85		21.0	0.0
100	64QAM	1	1		19.60		21.0	0.0
100	256QAM	1	1		19.84		21.0	0.0
	Channel			633000	633334	633668	19.50	MPR
	Frequency (MHz)			3485	3500.01	3505.02		
90	QPSK	1	1	19.32	19.32	19.15	21.0	0.0
	Channel			632000	633334	634000	19.50	MPR
	Frequency (MHz)			3490.02	3500.01	3510		
80	QPSK	1	1	19.30	19.38	19.18	21.0	0.0
	Channel			632334	633334	634334	19.50	MPR
	Frequency (MHz)			3485.01	3500.01	3416.01		
70	QPSK	1	1	19.25	19.43	19.18	21.0	0.0
	Channel			632000	633334	634668	19.50	MPR
	Frequency (MHz)			3480	3500.01	3520.02		
60	QPSK	1	1	19.35	19.36	19.00	21.0	0.0
	Channel			631668	633334	635000	19.50	MPR
	Frequency (MHz)			3475.02	3500.01	3525		
50	QPSK	1	1	19.36	19.45	19.16	21.0	0.0
	Channel			631334	633334	635334	19.50	MPR
	Frequency (MHz)			3470.01	3500.01	3530.01		
40	QPSK	1	1	19.24	19.34	19.18	21.0	0.0
	Channel			631000	633334	635668	19.50	MPR
	Frequency (MHz)			3465	3500.01	3535.02		
30	QPSK	1	1	19.24	19.41	19.20	21.0	0.0
	Channel			630500	633334	636000	19.50	MPR
	Frequency (MHz)			3460.02	3500.01	3540		
20	QPSK	1	1	19.33	19.46	19.10	21.0	0.0



WLAN/Bluetooth Power

Art 4-4-6 full power Body-worn (Standalone)					Art 4-4-6 Head (Standalone)		Art 4-4-6 Head (DBS Only)		Art 4-4-6 Head (WWAN +non-DBS)		Art 4-4-6 Head (WWAN + DBS)		Art 4-4-6 Body-worn/Hotspot (WWAN +non-DBS)		Art 4-4-6 Body-worn &Hotspot (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		
2.4GHz WLAN	802.11b 1Mbps	1	2412	22.10	23.50	17.08	19.00	15.72	17.00	14.77	16.00	11.53	13.00	20.76	22.00	17.31	19.50	97.87
		6	2437	21.86	23.50	17.16	19.00	15.19	17.00	14.31	16.00	11.21	13.00	20.38	22.00	16.74	18.50	
	802.11g 6Mbps	11	2462	22.11	23.50	17.28	19.00	15.46	17.00	14.46	16.00	11.49	13.00	20.73	22.00	16.82	18.50	99.29
		1	2412	21.14	22.50		19.00		17.00		16.00		13.00		22.00		18.50	
	802.11n HT20 MCS0	6	2437	20.76	22.00		19.00		17.00		16.00		13.00		22.00		18.50	100.00
		11	2462	20.54	22.00		19.00		17.00		16.00		13.00		22.00		18.50	
	802.11n HT40 MCS0	1	2412	21.02	22.50		19.00		17.00		16.00		13.00		22.00		18.50	100.00
		6	2437	20.67	22.00		19.00		17.00		16.00		13.00		22.00		18.50	
	802.11ax-HE20 MCS0	11	2462	20.34	22.00		19.00		17.00		16.00		13.00		22.00		18.50	100.00
		3	2422	19.44	21.00	Not Required	19.00	Not Required	17.00	Not Required	16.00	Not Required	13.00	Not Required	21.00	Not Required	18.50	
	802.11ax-HE40 MCS0	6	2437	19.64	21.00	Not Required	19.00	Not Required	17.00	Not Required	16.00	Not Required	13.00	Not Required	21.00	Not Required	18.50	100.00
		9	2452	19.36	21.00		19.00		17.00		16.00		13.00		21.00		18.50	
	802.11ax-HE80 MCS0	1	2412	21.07	22.50		19.00		17.00		16.00		13.00		22.00		18.50	100.00
		6	2437	20.71	22.00		19.00		17.00		16.00		13.00		22.00		18.50	
	802.11ax-HE160 MCS0	11	2462	20.41	22.00		19.00		17.00		16.00		13.00		22.00		18.50	100.00
		3	2422	19.47	21.00		19.00		17.00		16.00		13.00		21.00		18.50	
	802.11ax-HE320 MCS0	6	2437	19.69	21.00		19.00		17.00		16.00		13.00		21.00		18.50	100.00
		9	2452	19.40	21.00		19.00		17.00		16.00		13.00		21.00		18.50	

Note: The 2.4GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Art 5-4-6 Handheld (Standalone)					Art 5-4-6 Head&Body-worn (Standalone)		Art 5-4-6 Head&Body-worn (DBS Only)		Art 5-4-6 Head&Body-worn&Hotspot (WWAN+non-DBS & WWAN+DBS)		Art 5-4-6 Handheld (DBS Only)		Art 5-4-6 Handheld (WWAN+non-DBS & 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			
3.2GHz WLAN	802.11a 6Mbps	36	5180	20.40	22.00		18.50		16.50		12.50		21.00		16.50	100.00	
		40	5200	20.81	22.50		18.50		16.50		12.50		21.00		16.50		
	802.11n HT20 MCS0	44	5220	20.83	22.50		18.50		16.50		12.50		21.00		16.50	100.00	
		48	5240	20.94	22.50		18.50		16.50		12.50	Not Required	21.00		16.50		
	802.11n HT40 MCS0	36	5180	20.75	22.50		18.50		16.50		12.50		21.00		16.50	100.00	
		40	5200	20.76	22.50		18.50		16.50		12.50		21.00		16.50		
	802.11ax-HE20 MCS0	44	5220	20.76	22.50		18.50		16.50		12.50		21.00		16.50	100.00	
		48	5240	20.79	22.50		18.50		16.50		12.50		21.00		16.50		
	802.11ax-HE40 MCS0	38	5190	19.97	21.50	Not Required	18.50	Not Required	16.50	Not Required	12.50	19.49	21.00	Not Required	16.50	100.00	100.00
		46	5230	19.93	21.50		18.50		16.50		12.50	19.38	21.00		16.50		
	802.11ax-HE80 MCS0	36	5180	20.71	22.00		18.50		16.50		12.50		21.00		16.50	1000.00	
		40	5200	20.74	22.00		18.50		16.50		12.50		21.00		16.50		
	802.11ax-HE160 MCS0	44	5220	20.73	22.00		18.50		16.50		12.50		21.00		16.50	1000.00	
		48	5240	20.75	22.50		18.50		16.50		12.50	Not Required	21.00		16.50		
	802.11ax-HE320 MCS0	38	5190	19.67	21.50		18.50		16.50		12.50		21.00		16.50	100.00	
		46	5230	19.86	21.50		18.50		16.50		12.50		21.00		16.50		
	802.11ax-HE640 MCS0	42	5210	18.73	20.50	17.21	18.50	18.20	16.50	10.80	12.50	18.73	20.50	14.83	16.50	100.00	100.00
		36	5180	20.82	22.50		18.50		16.50		12.50		21.00		16.50		
802.11ax-HE1280 MCS0	40	5200	20.81	22.50		18.50		16.50		12.50		21.00		16.50	100.00		
	44	5220	20.88	22.50		18.50		16.50		12.50	Not Required	21.00		16.50			
802.11ax-HE2560 MCS0	48	5240	20.82	22.50	Not Required	18.50	Not Required	16.50	Not Required	12.50		21.00	Not Required	16.50	100.00		
	38	5190	20.01	21.50		18.50		16.50		12.50		21.00		16.50			
802.11ax-HE5120 MCS0	46	5230	19.96	21.50		18.50		16.50		12.50		21.00		16.50	100.00		
	42	5210	18.78	20.50		18.50		16.50		12.50	18.78	20.50		16.50			

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Art 5-4-6 Handheld (Standalone+DBS Only)					Art 5-4-6 Head&Body-worn (Standalone)		Art 5-4-6 Head&Body-worn (DBS Only)		Art 5-4-6 Head&Body-worn (WWAN+non-DBS & WWAN+DBS)		Art 5-4-6 Handheld (WWAN+non-DBS & 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				
3.3GHz WLAN	802.11a 6Mbps	52	5280	19.41	21.00		19.00		17.00		13.00		16.00	100.00		
		56	5280	19.46	21.00		19.00		17.00		13.00		16.00			
	802.11n HT20 MCS0	60	5300	19.51	21.00		19.00		17.00		13.00		16.00	100.00		
		64	5320	19.61	21.00		19.00		17.00		13.00		16.00			
	802.11n HT40 MCS0	52	5280	19.25	21.00		19.00		17.00		13.00		16.00	100.00		
		56	5280	19.29	21.00		19.00		17.00		13.00		16.00			
	802.11n HT80 MCS0	60	5300	19.36	21.00		19.00		17.00		13.00		16.00	100.00		
		64	5320	19.44	21.00		19.00		17.00		13.00		16.00			
	802.11ax-HE20 MCS0	54	5270	18.88	21.00	Not Required	19.00	Not Required	17.00	Not Required	13.00	Not Required	16.00	16.50	100.00	
		62	5310	19.00	21.00		19.00		17.00		13.00		16.00	16.50		
	802.11ax-HE40 MCS0	52	5280	19.30	21.00		19.00		17.00		13.00		16.00	16.50	100.00	
		56	5280	19.33	21.00		19.00		17.00		13.00		16.00	16.50		
	802.11ax-HE80 MCS0	60	5300	19.41	21.00		19.00		17.00		13.00		16.00	16.50	100.00	
		64	5320	19.50	21.00		19.00		17.00		13.00		16.00	16.50		
	802.11ax-HE160 MCS0	54	5270	18.89	21.00		19.00		17.00		13.00		16.00	16.50	100.00	
		62	5310	19.03	21.00		19.00		17.00		13.00		16.00	16.50		
	802.11ax-HE320 MCS0	58	5290	18.85	20.50	17.35	19.00	15.33	17.00	11.47	13.00	14.76	16.00	16.00	100	100
		50	5250	16.82	18.00	16.82	18.00	17.00	17.00	13.00	13.00	16.00	16.00	16.00		
802.11ax-HE640 MCS0	52	5280	19.32	21.00		19.00		17.00		13.00		16.00	16.00	100.00		
	56	5280	19.35	21.00		19.00		17.00		13.00		16.00	16.00			
802.11ax-HE1280 MCS0	60	5300	19.44	21.00		19.00		17.00		13.00		16.00	16.00	100.00		
	64	5320	19.55	21.00	Not Required	19.00	Not Required	17.00	Not Required	13.00	Not Required	16.00	16.50			
802.11ax-HE2560 MCS0	54	5270	18.94	20.50		19.00		17.00		13.00		16.00	16.00	100.00		
	62	5310	19.07	20.50		19.00		17.00		13.00		16.00	16.00			
802.11ax-HE5120 MCS0	58	5290	18.88	20.50		19.00		17.00		13.00		16.00	16.00	100.00		
	50	5250	16.89	18.50	16.89	18.50	17.00	17.00	13.00	13.00	16.00	16.00	16.00			

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.



Art 5-6 Handheld (Standalone)					Art 5-6 Head (Standalone)		Art 5-6 Head (DBS Only)		Art 5-6 Head (WWAN+non-DBS & WWAN+DBS)		Art 5-6 Body-worn (Standalone)		Art 5-6 Body-worn (DBS Only)		Art 5-6 Body-worn (WWAN+non-DBS & WWAN+DBS)		Art 5-6 Handheld (DBS Only)		Art 5-6 Handheld (WWAN+non-DBS & 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	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 8Mbps	100	5800	21.04	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	100.00
	116	5880	21.06	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
	124	5920	21.07	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
	132	5960	21.03	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
	140	5700	20.89	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
	144	5720	20.91	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
	100	5900	20.93	22.50	19.50	17.50	13.50	Not Required	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
	116	5980	21.06	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
	124	5920	20.88	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
	132	5960	20.90	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
	140	5700	20.73	22.00	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
	144	5720	20.80	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
102	5910	20.06	21.50	19.50	17.50	13.50	19.48	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
110	5950	20.20	21.50	19.50	17.50	13.50	19.55	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
128	5930	19.91	21.50	19.50	17.50	13.50	19.41	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
134	5970	19.97	21.50	19.50	17.50	13.50	19.33	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
142	5710	19.92	21.50	19.50	17.50	13.50	19.28	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
100	5900	20.89	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
116	5980	21.01	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
124	5920	20.84	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
132	5960	20.85	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
140	5700	20.64	22.00	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
144	5720	20.75	22.00	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
102	5910	19.98	21.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
110	5950	20.12	21.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
126	5930	19.82	21.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
134	5970	19.88	21.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
142	5710	19.84	21.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
106	5930	18.98	20.50	18.28	19.50	15.96	17.50	12.20	13.50	18.98	20.50	16.78	18.00	13.59	15.00	18.78	20.00	14.55	16.00	16.00	16.00		
122	5910	18.90	20.50	18.16	19.50	16.10	17.50	12.07	13.50	18.90	20.50	16.68	18.00	13.02	15.00	18.61	20.00	14.50	16.00	16.00	16.00		
138	5990	18.73	20.00	17.96	19.50	15.93	17.50	12.08	13.50	18.73	20.00	16.38	18.00	13.46	15.00	18.38	20.00	14.46	16.00	16.00	16.00		
114	5970	18.40	20.00	19.50	19.50	17.50	13.50	18.40	20.00	18.00	18.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
100	5900	20.97	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
116	5980	21.10	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
124	5920	20.91	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
132	5960	20.96	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
140	5700	20.80	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
144	5720	20.87	22.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
102	5910	20.10	21.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
110	5950	20.22	21.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
128	5930	19.86	21.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
134	5970	20.01	21.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
142	5710	19.95	21.50	19.50	17.50	13.50	21.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
106	5930	19.01	20.50	19.50	17.50	13.50	20.50	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
122	5910	18.92	20.50	19.50	17.50	13.50	20.50	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
138	5990	18.76	20.00	19.50	17.50	13.50	20.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
114	5970	18.44	20.00	19.50	17.50	13.50	20.00	18.00	15.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00		

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Art 5-6 Body-worn&Handheld (Standalone)					Art 5-6 Head (Standalone)		Art 5-6 Head (DBS Only)		Art 5-6 Head (WWAN+non-DBS & WWAN+DBS)		Art 5-6 Body-worn (DBS Only)		Art 5-6 Body-worn&Hand	
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BT BR/EDR Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	13.03	10.52	10.58	14
	CH 39	2441	12.12	9.89	9.34	13.5
	CH 78	2480	10.49	7.63	7.58	11.5

BLE_1M Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	10.05
	CH 19	2440	8.73
	CH 39	2480	7.37
Tune-up Limit			11

BLE_2M Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	10.05
	CH 19	2440	8.96
	CH 39	2480	7.62
Tune-up Limit			11.00

BT BR/EDR Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	14.18	11.58	11.58	15
	CH 39	2441	15.04	12.48	12.44	16
	CH 78	2480	15.32	12.57	12.63	16.5

BLE_1M Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.29
	CH 19	2440	8.57
	CH 39	2480	7.86
Tune-up Limit			9.5

BLE_2M Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.32
	CH 19	2440	8.86
	CH 39	2480	7.80
Tune-up Limit			9.50



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

Head (Antenna #0, Slave ID=6)

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
									Auto-Tune	0	19	38	57	76	95	114	133	152		
WCDMA B2	RMC 12.2Kbps	9400	1880	N/A	N/A	Left Cheek	0mm	0.091	0.119	0.010	0.050	0.044	0.039	0.061	0.054	0.037	0.058	0.053		
WCDMA B4	RMC 12.2Kbps	1413	1732.6	N/A	N/A	Left Cheek	0mm	0.081	0.107	0.029	0.041	0.030	0.091	0.091	0.094	0.081	0.030	0.022		
WCDMA B5	RMC 12.2Kbps	4182	836.4	N/A	N/A	Right Cheek	0mm	0.131	0.159	0.013	0.040	0.040	0.035	0.001	0.003	0.005	0.019	0.039		
LTE B7	QPSK	21100	2535	1	0	Right Cheek	0mm	0.074	0.109	0.071	0.050	0.056	0.067	0.079	0.087	0.117	0.136	0.155		
LTE B12	QPSK	23095	707.5	1	0	Right Cheek	0mm	0.17	0.192	0.009	0.006	0.014	0.074	0.011	0.023	0.044	0.000	0.000		
LTE B13	QPSK	23230	782	1	0	Right Cheek	0mm	0.119	0.142	0.039	0.007	0.012	0.62	0.81	100	119	138	157		
LTE B14	QPSK	23330	793	1	0	Right Cheek	0mm	0.12	0.144	0.030	0.004	0.026	0.086	0.044	0.101	0.048	0.031	0.001		
LTE B25	QPSK	26340	1880	1	0	Left Cheek	0mm	0.072	0.0988	0.034	0.041	0.052	0.059	0.044	0.057	0.045	0.057	0.042		
LTE B26	QPSK	26865	831.5	1	0	Right Cheek	0mm	0.184	0.216	0.072	0.036	0.195	0.213	0.84	103	122	141	160		
LTE B30	QPSK	27710	2310	1	0	Left Cheek	0mm	0.024	0.046	0.033	0.021	0.014	0.021	0.025	0.011	0.031	0.029	0.018		
LTE B41	QPSK	40620	2593	1	0	Right Cheek	0mm	0.031	0.0473	0.021	0.022	0.043	0.041	0.031	0.049	0.044	0.018	0.017		
LTE B66	QPSK	132322	1745	1	0	Left Cheek	0mm	0.077	0.106	0.032	0.029	0.061	0.048	0.075	0.081	0.031	0.018	0.011		
LTE B71	QPSK	133322	683	1	0	Right Cheek	0mm	0.116	0.134	0.003	0.029	0.006	0.008	0.000	0.000	0.000	0.009	0.011		
FR1 n12	QPSK	141500	707.5	36	22	Right Cheek	0mm	0.098	0.112	0.052	0.031	0.001	0.006	0.001	0.000	0.001	0.002	0.021		
FR1 n25	QPSK	376500	1882.5	1	1	Left Cheek	0mm	0.042	0.0588	0.004	0.050	0.050	0.002	0.003	0.003	0.020	0.003			
FR1 n5	QPSK	167300	836.5	50	28	Right Cheek	0mm	0.114	0.136	0.110	0.070	0.041	0.041	0.042	0.045	0.068	0.008			
FR1 n41(HPUE)	QPSK	518598	2592.99	135	69	Right Cheek	0mm	0.048	0.094	0.006	0.007	0.002	0.004	0.004	0.004	0.005	0.007			
FR1 n66	QPSK	349000	1745	1	1	Left Cheek	0mm	0.047	0.0613	0.018	0.009	0.017	0.013	0.019	0.014	0.017	0.018			
FR1 n71	QPSK	136100	680.5	50	28	Right Cheek	0mm	0.067	0.077	0.025	0.007	0.014	0.004	0.011	0.004	0.005	0.003			

Body (Antenna #0, Slave ID=6)

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
									Auto-Tune	0	19	38	57	76	95	114	133	152
WCDMA B2	RMC 12.2Kbps	9400	1880	N/A	N/A	Back	5mm	0.958	1.52	0.078	0.272	0.212	0.254	0.289	0.271	0.245	0.204	0.171
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
WCDMA B4	RMC 12.2Kbps	1513	1752.6	N/A	N/A	Back	5mm	1.03	1.600	0.132	0.255	0.234	0.169	0.148	0.149	0.148	0.205	0.197
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
WCDMA B5	RMC 12.2Kbps	4132	826.4	N/A	N/A	Back	5mm	1	1.990	0.066	0.618	0.391	0.066	0.029	0.019	0.066	0.016	0.305
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
LTE B7	QPSK	20850	2510	1	0	Back	5mm	0.935	1.600	0.274	0.224	0.234	0.354	0.312	0.352	0.243	0.301	0.195
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
LTE B12	QPSK	23095	707.5	1	0	Back	5mm	0.745	1.250	0.125	0.112	0.197	0.660	0.170	0.302	0.499	0.018	0.000
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
LTE B13	QPSK	23230	782	1	0	Back	5mm	0.643	1.090	0.387	0.037	0.175	0.677	0.236	0.657	0.261	0.204	0.002
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
LTE B14	QPSK	23330	793	1	0	Back	5mm	0.511	0.831	0.391	0.045	0.188	0.699	0.254	0.699	0.289	0.254	0.015
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
LTE B25	QPSK	26140	1860	1	0	Back	5mm	0.89	1.390	0.467	0.481	0.523	0.593	0.431	0.595	0.416	0.634	0.633
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
LTE B26	QPSK	26865	831.5	1	0	Back	5mm	0.876	1.480	0.556	0.309	1.170	1.381	0.632	1.271	0.800	1.214	0.377
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
LTE B30	QPSK	27710	2310	1	0	Back	5mm	0.974	1.160	1.140	1.110	1.100	1.040	1.090	0.980	1.140	1.120	1.120
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
LTE B41	QPSK	39790	2510	1	0	Back	5mm	0.939	1.580	0.162	0.181	0.284	0.284	0.164	0.233	0.126	0.147	0.136
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
LTE B66	QPSK	132072	1720	1	0	Back	5mm	0.923	1.540	0.115	0.136	0.311	0.262	0.217	0.372	0.067	0.111	0.078
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
LTE B71	QPSK	133322	683	1	0	Back	5mm	0.543	0.934	0.044	0.482	0.128	0.098	0.006	0.006	0.005	0.057	0.323
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
FR1 n12	QPSK	141500	707.5	1	1	Back	5mm	0.589	1.010	0.267	0.220	0.211	0.248	0.026	0.090	0.008	0.025	0.028
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
FR1 n25	QPSK	381000	1905	50	28	Back	5mm	0.988	1.650	0.337	0.501	0.52	0.71	0.90	1.09	1.28	1.47	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
FR1 n5	QPSK	167300	836.5	1	1	Back	5mm	0.743	1.240	0.179	0.995	0.523	0.527	0.329	0.536	0.471	0.084	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
FR1 n41(HPUE)	QPSK	518598	2592.99	1	1	Back	5mm	0.985	1.660	1.007	1.210	0.891	0.910	0.931	0.902	0.939	1.120	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
FR1 n66	QPSK	349000	1745	108	54	Back	5mm	0.941	1.490	0.571	0.433	0.491	0.485	0.481	0.485	0.485	0.443	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)									
FR1 n71	QPSK	136100	680.5	50	28	Back	5mm	0.528	0.925	0.260	0.091	0.144	0.039	0.109	0.033	0.042	0.044	



Head (Antenna #1, Slave ID=6)

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
WCDMA B5	RMC 12.2Kbps	4233	846.4	N/A	N/A	Left Cheek	0mm	0.92	Auto-Tune	0	18	36	54	72	90	108	126	144	162	180
									1.61	0.028	0.153	0.188	0.171	0.761	0.103	0.502	0.223	0.165	0.818	0.218
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE B7	QPSK	20850	2510	1	0	Left Tilted	0mm	0.901	Auto-Tune	1	19	37	55	73	91	109	127	145	163	181
									1.57	1.317	1.276	1.128	1.050	0.922	0.737	1.233	1.272	1.337	0.836	0.707
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE Band 12(17)	QPSK	23095	707.5	1	0	Left Cheek	0mm	0.992	Auto-Tune	2	20	38	56	74	92	110	128	146	164	182
									1.67	0.268	0.488	0.363	0.198	0.669	0.925	0.461	0.606	0.092	0.258	0.951
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE B13	QPSK	23230	782	1	0	Left Cheek	0mm	0.59	Auto-Tune	3	21	39	57	75	93	111	129	147	165	183
									1.05	0.322	0.520	0.392	0.571	0.583	0.664	0.696	0.597	0.275	0.104	0.866
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE B14	QPSK	23330	793	1	0	Left Cheek	0mm	0.823	Auto-Tune	4	22	40	58	76	94	112	130	148	166	184
									1.47	0.094	0.210	0.235	0.245	0.397	0.373	0.144	0.308	0.378	0.007	0.305
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE Band 25(2)	QPSK	26140	1860	1	0	Left Cheek	0mm	0.889	Auto-Tune	5	23	41	59	77	95	113	131	149	167	185
									1.31	0.900	0.179	0.215	0.243	0.290	0.206	0.145	0.241	0.273	0.387	0.187
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE Band 26(5)	QPSK	26865	831.5	1	0	Left Cheek	0mm	0.869	Auto-Tune	6	24	42	60	78	96	114	132	150	168	186
									1.51	0.126	0.495	0.433	0.781	0.109	0.246	0.206	0.689	0.830	0.228	0.198
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE B30	QPSK	27710	2310	1	0	Left Tilted	0mm	0.965	Auto-Tune	7	25	43	61	79	97	115	133	151	169	
									1.58	1.309	1.362	1.251	1.361	0.940	0.714	1.340	0.337	1.340	1.258	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE Band 41(38)	QPSK	41490	2680	1	0	Left Tilted	0mm	0.914	Auto-Tune	8	26	44	62	80	98	116	134	152	170	
									1.57	0.470	0.523	0.576	0.476	0.506	0.463	0.521	0.547	0.476	0.438	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE Band 66(4)	QPSK	132572	1770	1	0	Left Cheek	0mm	0.991	Auto-Tune	9	27	45	63	81	99	117	135	153	171	
									1.76	0.155	0.235	0.093	0.256	0.271	0.148	0.255	0.152	0.261	0.218	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE B71	QPSK	133322	683	1	0	Left Cheek	0mm	0.75	Auto-Tune	10	28	46	64	82	100	118	136	154	172	
									1.45	1.187	0.037	0.266	0.001	0.036	0.169	0.727	0.245	0.128	0.335	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n5	QPSK	167300	836.5	1	1	Left Cheek	0mm	0.712	Auto-Tune	11	29	47	65	83	101	119	137	155	173	
									1.17	0.411	0.203	0.315	0.255	0.289	0.335	0.680	0.277	0.201	0.255	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n7	QPSK	507000	2535	1	1	Left Tilted	0mm	0.891	Auto-Tune	12	30	48	66	84	102	120	138	156	174	
									1.56	1.415	1.420	1.070	1.450	1.083	1.440	1.294	1.112	1.361	0.910	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n25	QPSK	372000	1860	1	1	Left Tilted	0mm	0.979	Auto-Tune	13	31	49	67	85	103	121	139	157	175	
									1.86	0.671	1.311	1.274	1.001	1.182	1.164	1.293	0.175	0.810	1.116	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n30	QPSK	462000	2310	1	1	Left Tilted	0mm	0.923	Auto-Tune	14	32	50	68	86	104	122	140	158	176	
									1.64	0.319	1.359	1.190	1.145	1.162	1.168	0.354	1.132	0.971	0.393	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n414PUE	QPSK	518598	2592.99	1	1	Left Tilted	0mm	0.961	Auto-Tune	15	33	51	69	87	105	123	141	159	177	
									1.66	0.913	0.770	0.585	0.701	0.525	0.751	0.935	0.588	0.651	0.761	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n66	QPSK	349000	1745	108	54	Left Tilted	0mm	0.916	Auto-Tune	16	34	52	70	88	106	124	142	160	178	
									1.63	0.370	0.417	0.428	0.584	1.320	0.627	0.515	0.499	0.607	0.612	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n71	QPSK	136100	680.5	50	28	Left Cheek	0mm	0.596	Auto-Tune	17	35	53	71	89	107	125	143	161	179	
									1.08	0.106	0.334	0.001	0.063	0.000	0.400	0.167	0.001	0.201	0.000	



Head (Antenna #1, Slave ID=6)

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
									Auto-Tune	0	18	36	54	72	90	108	126	144	162	180
WCDMA B5	RMC 12.2Kbps	4182	836.4	N/A	N/A	Back	5mm	0.815	1.2	0.025	0.126	0.148	0.214	0.654	0.132	0.321	0.186	0.147	0.607	0.245
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE B7	QPSK	20850	2510	1	0	Back	5mm	0.981	1.64	0.776	0.826	0.733	0.661	0.591	0.505	0.835	0.711	0.621	0.533	0.461
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE Band 12(17)	QPSK	23095	707.5	1	0	Top Side	5mm	0.509	0.97	0.052	0.012	0.015	0.027	0.028	0.039	0.044	0.018	0.035	0.034	0.037
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE B13	QPSK	23230	782	1	0	Top Side	5mm	0.502	0.928	0.089	0.071	0.068	0.088	0.092	0.120	0.160	0.130	0.088	0.071	0.059
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE B14	QPSK	23330	793	1	0	Top Side	5mm	0.684	1.27	0.125	0.364	0.114	0.192	0.083	0.068	0.261	0.135	0.089	0.001	0.084
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE Band 25(2)	QPSK	26590	1905	1	0	Back	5mm	0.913	1.41	0.268	0.564	0.614	0.648	0.570	0.666	0.384	0.678	0.729	0.825	0.628
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE Band 26(5)	QPSK	26865	831.5	1	0	Back	5mm	0.823	1.28	0.125	0.495	0.387	0.806	0.097	0.198	0.227	0.571	0.729	0.141	0.157
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE B30	QPSK	27710	2310	1	0	Back	5mm	0.962	1.7	0.930	1.218	1.129	1.220	0.470	0.511	0.974	0.566	1.023	0.927	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE Band 41(38)	QPSK	41490	2680	1	0	Back	5mm	1.1	1.81	0.216	0.232	0.258	0.208	0.213	0.215	0.228	0.233	0.207	0.178	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE Band 66(4)	QPSK	132322	1745	1	0	Back	5mm	0.86	1.32	0.106	0.133	0.058	0.153	0.158	0.100	0.155	0.099	0.147	0.114	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
LTE B71	QPSK	133322	683	1	0	Top Side	5mm	0.39	0.889	0.095	0.105	0.041	0.133	0.149	0.091	0.141	0.081	0.139	0.121	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n5	QPSK	167300	836.5	1	1	Top Side	5mm	0.743	1.03	0.550	0.610	0.488	0.561	0.421	0.688	0.411	0.436	0.594	0.381	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n7	QPSK	507000	2535	108	54	Back	5mm	0.904	1.53	1.028	1.160	0.724	1.080	0.690	1.230	0.945	0.954	1.013	0.768	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n25(2)	QPSK	372000	1860	1	1	Back	5mm	0.947	1.36	0.421	0.348	0.484	0.711	0.549	0.345	0.653	0.513	0.842	0.482	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n30	QPSK	462000	2310	1	1	Back	5mm	1.01	1.86	0.542	1.437	1.339	1.281	1.308	1.334	0.577	1.289	1.483	0.788	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n41_HPUE	QPSK	518598	2592.99	1	1	Back	5mm	0.972	1.62	0.616	0.493	0.343	0.405	0.315	0.549	0.607	0.344	0.380	0.453	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n66	QPSK	349000	1745	1	1	Back	5mm	0.885	1.44	0.315	0.312	0.284	0.420	1.087	0.442	0.298	0.255	0.326	0.390	
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)											
FR1 n71	QPSK	136100	680.5	50	28	Top Side	5mm	0.389	0.854	0.211	0.201	0.188	0.311	0.740	0.310	0.188	0.201	0.221	0.264	

