



Full&Default Power Mode

GSM850 Art 0 Default								
Band	Band Average Power (dBm)			Time-up Limit (min)	Time-charge Power (dBm)			Time-up Limit (min)
	12B	18B	25B		12B	18B	25B	
Frequency (MHz)	124.2	177.4	188.8		124.2	177.4	188.8	
GSM Tx class	31.75	31.65	31.65	33.50	22.75	22.55	22.65	24.50
GPRS 1 Tx rate	18.81	31.61	31.78	33.50	22.81	22.81	22.78	24.50
GPRS 2 Tx rate	20.68	26.14	26.83	31.50	24.50	24.74	24.3	24.50
GPRS 3 Tx rate	27.94	27.25	27.33	29.00	23.00	22.99	23.07	24.74
GPRS 4 Tx rate	25.00	25.11	25.00	27.00	22.00	22.11	22.00	24.00
EDGE 1 Tx rate	26.79	24.69	24.56	26.50	19.75	19.65	19.50	19.50
EDGE 2 Tx rate	22.84	22.90	22.99	24.00	18.84	18.90	18.99	18.90
EDGE 3 Tx rate	20.92	20.97	20.96	22.00	16.20	16.11	16.20	17.74
EDGE 4 Tx rate	18.42	18.44	18.78	20.00	15.42	15.44	15.78	17.00

WCDMA V Art 0 Default				
Band	WCDMA V			Time-up Limit (min)
	4192	4192	4239	
Band	4192	4192	4239	
Band Class	4192	4192	4239	
Frequency (MHz)	836.4	836.4	846.8	
ISPP Rate 0	22.24	22.38	22.25	24.00
ISPP Rate 1	21.30	21.31	21.25	23.00
ISPP Rate 2	21.32	21.33	21.18	23.00
ISPP Rate 3	20.13	22.02	22.22	23.00
ISPP Rate 4	21.84	21.81	21.88	22.50
ISPP Rate 5	21.78	21.95	21.79	22.50
ISPP Rate 6	21.30	21.32	21.20	23.00
ISPP Rate 7	22.28	22.18	22.14	23.00
ISPP Rate 8	21.82	21.00	21.87	22.50
ISPP Rate 9	21.79	21.74	21.69	22.50
ISPP Rate 10	22.08	22.14	22.06	23.00
ISPP Rate 11	20.30	20.32	20.23	21.00
ISPP Rate 12	21.30	21.34	21.13	23.00
ISPP Rate 13	20.25	20.24	20.15	21.00
ISPP Rate 14	21.31	21.24	21.20	23.00
ISPP Rate 15	19.78	19.68	19.72	20.50



GSM1900 Airt 1 Default

GSM1900 Airt 1	Band Average Power (dBm)			Tx Power Limit (dBm)	Frame Average Power (dBm)			Tx Power Limit (dBm)
	1800.2	1800	1800.8		1800.2	1800	1800.8	
TX Channel	59	60	60	59	59	60	60	59
Frequency (MHz)	1800.2	1800	1800.8		1800.2	1800	1800.8	
GSM 1 Tx Wd	20.18	20.44	20.52	20.50	20.18	20.44	20.52	21.50
GPMS 1 Tx Wd	22.27	22.41	22.39	22.50	22.27	22.41	22.39	21.50
GPMS 2 Tx Wd	27.27	27.38	27.21	28.50	27.27	27.38	27.21	22.50
GPMS 3 Tx Wd	24.78	25.10	25.04	24.50	25.52	26.81	26.80	22.24
GPMS 4 Tx Wd	23.41	23.57	23.59	24.50	20.41	20.57	20.59	21.50
EDGE 1 Tx Wd	20.04	20.34	20.34	20.50	19.04	19.24	19.24	17.50
EDGE 2 Tx Wd	22.58	22.89	22.87	24.00	18.58	18.89	18.87	18.00
EDGE 3 Tx Wd	21.23	21.52	21.16	22.50	18.27	17.60	16.90	18.24
EDGE 4 Tx Wd	19.68	19.90	19.91	20.00	19.68	19.90	19.91	17.50

WCDMA II Airt 1 Default

Band	WCDMA II			Tx Power Limit (dBm)
	9000	9400	9500	
TX Channel	9400	9000	9500	
Frequency (MHz)	1822.4	1800	1807.6	
SCPP Pal 99	22.29	22.40	22.20	24.00
SCPP Pal 99	22.46	22.44	22.29	24.00
SCPP Pal 6	21.10	21.25	21.15	23.00
SCPP Pal 6	22.02	22.12	22.15	23.00
SCPP Pal 6	21.74	21.71	21.61	22.50
SCPP Pal 6	21.89	21.72	21.89	22.50
SCPP Pal 6	21.25	21.21	21.11	23.00
SCPP Pal 6	21.15	21.28	21.61	23.00
SCPP Pal 6	21.70	21.70	21.61	22.50
SCPP Pal 6	21.88	21.83	21.82	22.50
SCPP Pal 6	21.07	20.70	21.06	23.00
SCPP Pal 6	20.25	20.23	20.13	21.00
SCPP Pal 6	21.22	21.28	21.18	22.00
SCPP Pal 6	20.23	20.18	20.14	21.00
SCPP Pal 6	21.22	21.14	21.13	21.00
SCPP Pal 7	19.71	19.65	19.69	20.50



Band 38 For ENDC Ant4 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Inrt (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
37650	38050	38450								
20	QPSK	1	0	22.76	22.72	22.68				
20	QPSK	1	48	22.69	22.79	22.74	24	0		
20	QPSK	1	96	22.71	22.80	22.76				
20	QPSK	50	0	21.84	21.91	21.85				
20	QPSK	50	24	21.86	21.77	21.85	23	1		
20	QPSK	50	48	21.78	21.83	21.77				
20	QPSK	100	0	21.73	21.82	21.78				
20	HQAM	1	0	21.71	21.75	21.67	23	1		
20	HQAM	1	48	21.78	21.81	21.77				
20	HQAM	1	96	21.78	21.88	21.80				
20	HQAM	50	0	20.96	20.98	20.98	22	2		
20	HQAM	50	24	20.97	20.94	20.94				
20	HQAM	50	48	20.94	20.99	20.97				
20	HQAM	100	0	20.94	20.98	20.96				
20	HQAM	100	24	20.96	20.95	20.95	22	2		
20	HQAM	100	48	20.95	20.96	20.95				
20	HQAM	1	48	20.88	20.86	20.86	22	2		
20	HQAM	1	96	20.88	20.87	20.87				
20	HQAM	50	0	19.53	19.58	19.56				
20	HQAM	50	24	19.73	19.81	19.69	21	3		
20	HQAM	50	48	19.73	19.84	19.75				
20	HQAM	100	0	19.75	19.78	19.69				
20	HQAM	100	24	19.80	19.84	19.65				
20	HQAM	100	48	19.77	19.80	19.76				
20	HQAM	1	96	19.81	19.84	19.65	19	5		
20	HQAM	1	96	19.81	19.84	19.65				
20	HQAM	50	0	17.82	17.93	17.84	19	5		
20	HQAM	50	24	17.82	17.93	17.84				
20	HQAM	50	48	17.80	17.84	17.80				
20	HQAM	100	0	17.80	17.84	17.80				
20	HQAM	100	24	17.82	17.85	17.82				
20	HQAM	100	48	17.82	17.85	17.82				
Channel										
Frequency (MHz)										
37650	38050	38450								
15	QPSK	1	0	22.72	22.73	22.63				
15	QPSK	1	37	22.85	22.68	22.72	24	0		
15	QPSK	1	74	22.73	22.72	22.71				
15	QPSK	36	0	21.74	21.83	21.82				
15	QPSK	36	20	21.67	21.70	21.61	23	1		
15	QPSK	36	39	21.65	21.67	21.67				
15	QPSK	75	0	21.68	21.69	21.67				
15	HQAM	1	0	21.68	21.69	21.67	23	1		
15	HQAM	1	37	21.69	21.70	21.67				
15	HQAM	1	74	21.73	21.79	21.63	21	3		
15	HQAM	36	0	20.88	20.77	20.88	22	2		
15	HQAM	36	20	20.77	20.80	20.77				
15	HQAM	36	39	20.79	20.83	20.72	22	2		
15	HQAM	75	0	20.89	20.87	20.80	20.66	20.77		
15	HQAM	75	0	20.84	20.80	20.85	20.69	20.85		
15	HQAM	1	37	20.80	20.85	20.84	20.35	20.35		
15	HQAM	1	74	20.87	20.82	20.80	20.42	20.42		
15	HQAM	36	20	19.70	19.62	19.77	19.68	19.71		
15	HQAM	36	39	19.66	19.71	19.63	19.64	19.66		
15	HQAM	75	0	19.61	19.61	19.61	19.55	19.55		
15	HQAM	75	0	19.56	19.57	19.56	19.52	19.52		
15	HQAM	1	37	17.85	17.85	17.85	17.82	17.82		
15	HQAM	1	37	17.80	17.81	17.81	17.76	17.76		
15	HQAM	1	74	17.82	17.84	17.82	17.87	17.88		
15	HQAM	36	0	17.82	17.80	17.81	17.81	17.88		
15	HQAM	36	20	17.85	17.81	17.80	17.82	17.84		
15	HQAM	36	39	17.88	17.84	17.82	17.84	17.84		
15	HQAM	75	0	17.80	17.82	17.80	17.84	17.84		
Channel										
Frequency (MHz)										
37650	38050	38450								
10	QPSK	1	0	22.71	22.75	22.73				
10	QPSK	1	25	22.82	22.68	22.72	24	0		
10	QPSK	1	49	22.72	22.70	22.74				
10	QPSK	1	73	21.76	21.85	21.84				
10	QPSK	25	12	21.58	21.66	21.73	24	1		
10	QPSK	25	25	21.69	21.68	21.73				
10	QPSK	25	49	21.66	21.68	21.73				
10	HQAM	1	0	21.66	21.68	21.73	23	1		
10	HQAM	1	25	21.70	21.62	21.77	21.63	21.71		
10	HQAM	1	49	21.71	21.71	21.76	21.73	21.66		
10	HQAM	25	0	20.74	20.71	20.87	20.79	20.76		
10	HQAM	25	14	20.81	20.87	20.89	20.74	20.76		
10	HQAM	25	28	20.75	20.81	20.82	20.69	20.77		
10	HQAM	50	0	20.69	20.60	20.81	20.75	20.73		
10	HQAM	50	14	20.82	20.81	20.82	20.68	20.77		
10	HQAM	50	28	20.82	20.84	20.84	20.67	20.77		
10	HQAM	1	25	20.48	20.49	20.54	20.37	20.40		
10	HQAM	1	49	20.34	20.38	20.47	20.51	20.40		
10	HQAM	25	0	19.70	19.77	19.84	19.68	19.67		
10	HQAM	25	12	19.66	19.64	19.67	19.64	19.61		
10	HQAM	25	25	19.69	19.77	19.72	19.64	19.72		
10	HQAM	50	0	19.66	19.72	19.62	19.66	19.67		
10	HQAM	50	0	17.86	17.81	17.86	17.81	17.86		
10	HQAM	1	25	17.84	17.88	17.81	17.86	17.72		
10	HQAM	1	49	17.86	17.87	17.88	17.82	17.81		
10	HQAM	25	0	17.80	17.84	17.83	17.87	17.88		
10	HQAM	25	12	17.84	17.85	17.80	17.80	17.86		
10	HQAM	25	25	17.87	17.86	17.87	17.85	17.83		
10	HQAM	50	0	17.81	17.80	17.88	17.84	17.87		
Channel										
Frequency (MHz)										
37650	38050	38450								
5	QPSK	1	0	22.74	22.77	22.68				
5	QPSK	1	12	22.86	22.71	22.65	24	0		
5	QPSK	1	24	22.70	22.72	22.67				
5	QPSK	12	0	21.80	21.81	21.78				
5	QPSK	12	7	21.80	21.84	21.83	23	1		
5	QPSK	12	13	21.82	21.74	21.87				
5	QPSK	25	0	21.66	21.70	21.63				
5	HQAM	1	0	21.62	21.71	21.68				
5	HQAM	1	12	21.70	21.70	21.79	21.68	21.72		
5	HQAM	1	24	21.73	21.74	21.84	21.73	21.72		
5	HQAM	12	0	20.72	20.80	20.84	20.83	20.79		
5	HQAM	12	7	20.78	20.87	20.83	20.77	20.72		
5	HQAM	12	13	20.83	20.82	20.83	20.74	20.81		
5	HQAM	25	0	20.66	20.66	20.81	20.68	20.78		
5	HQAM	1	0	20.80	20.84	20.87	20.80	20.83		
5	HQAM	1	12	20.49	20.54	20.49	20.45	20.46		
5	HQAM	1	24	20.34	20.36	20.54	20.42	20.42		
5	HQAM	12	0	19.72	19.69	19.78	19.62	19.70		
5	HQAM	12	7	19.70	19.65	19.71	19.70	19.70		
5	HQAM	12	13	19.65	19.75	19.62	19.70	19.64		
5	HQAM	25	0	17.86	17.86	17.86	17.81	17.87		
5	HQAM	25	0	17.81	17.84	17.81	17.84	17.81		
5	HQAM	1	12	17.86	17.83	17.83	17.87	17.75		
5	HQAM	1	24	17.87	17.86	17.80	17.89	17.78		
5	HQAM	12	7	17.83	17.82	17.86	17.80	17.84		
5	HQAM	12	13	17.87	17.87	17.85	17.86	17.86		
5	HQAM	25	0	17.80	17.88	18.04	17.86	17.85		

Band 41 For ENDC Ant4 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Inrt (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
39750	40185	40620								
20	QPSK	1	0	22.84	22.84	22.84				
20	QPSK	1	49	22.72	22.80	22.85	22	0		
20										



Full&Default Power Mode Other PA

Band 5 Other PA Ant4 Default Sig Path 236									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				820	838.5	844			
10	QPSK	1	0	21.22	21.26	21.25	22.5	0	
10	QPSK	1	25	21.09	21.09	21.12			
10	QPSK	1	49	21.16	21.20	21.17			
10	QPSK	25	0	20.11	20.22	20.09			
10	QPSK	25	12	19.99	20.12	20.08	21.5	1	
10	QPSK	25	25	20.04	20.19	20.09			
10	QPSK	50	0	20.07	20.21	20.08			
10	16QAM	1	0	20.36	20.48	20.32			
10	16QAM	1	25	20.10	20.15	20.15	21.5	1	
10	16QAM	1	49	20.05	20.20	20.06			
10	16QAM	25	0	19.16	19.27	19.22			
10	16QAM	25	12	18.09	18.27	18.16			
10	16QAM	25	25	19.02	19.18	19.07	20.5	2	
10	16QAM	50	0	19.14	19.17	19.08			
10	64QAM	1	0	19.21	19.29	19.17			
10	64QAM	1	25	19.12	19.21	19.08	20.5	2	
10	64QAM	1	49	19.20	19.28	19.16			
10	64QAM	25	0	18.00	18.12	18.16			
10	64QAM	25	12	17.94	18.06	18.04			
10	64QAM	25	25	17.94	18.00	17.95	19.5	3	
10	64QAM	50	0	17.96	18.09	18.05			
10	256QAM	1	0	16.20	16.30	16.30			
10	256QAM	1	25	16.11	16.19	16.22	17.5	5	
10	256QAM	1	49	16.21	16.21	16.19			
10	256QAM	25	0	16.14	16.23	16.11			
10	256QAM	25	12	16.10	16.16	16.15	17.5	5	
10	256QAM	25	25	16.17	16.30	16.23			
10	256QAM	50	0	16.17	16.15	16.12			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	21.14	21.24	21.22	22.5	0	
5	QPSK	1	12	21.04	21.00	21.07			
5	QPSK	1	24	21.09	21.10	21.12			
5	QPSK	12	0	20.00	20.20	20.07			
5	QPSK	12	7	19.94	20.05	20.06	21.5	1	
5	QPSK	12	13	19.94	20.18	20.02			
5	QPSK	25	0	19.99	20.19	20.00			
5	16QAM	1	0	20.32	20.41	20.22			
5	16QAM	1	12	20.03	20.07	20.07	21.5	1	
5	16QAM	1	24	20.02	20.10	20.00			
5	16QAM	12	0	19.12	19.26	19.18			
5	16QAM	12	7	19.00	19.22	19.14	20.5	2	
5	16QAM	12	13	19.00	19.14	18.99			
5	16QAM	25	0	18.12	18.09	18.06			
5	64QAM	1	0	19.10	19.18	19.10			
5	64QAM	1	12	19.08	19.18	19.03	20.5	2	
5	64QAM	1	24	19.18	19.21	19.14			
5	64QAM	12	0	17.96	18.06	18.14			
5	64QAM	12	7	17.89	17.98	17.99	19.5	3	
5	64QAM	12	13	17.85	17.94	17.87			
5	64QAM	25	0	17.93	18.08	18.02			
5	256QAM	1	0	16.12	16.22	16.19			
5	256QAM	1	12	16.03	16.12	16.20	17.5	5	
5	256QAM	1	24	16.15	16.13	16.10			
5	256QAM	12	0	16.08	16.17	16.07			
5	256QAM	12	7	16.08	16.10	16.10	17.5	5	
5	256QAM	12	13	16.08	16.15	16.15			
5	256QAM	25	0	16.12	16.14	16.10			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	21.17	21.21	21.22	22.5	0	
3	QPSK	1	8	21.01	21.04	21.11			
3	QPSK	1	14	21.14	21.11	21.12			
3	QPSK	8	0	20.03	20.19	20.04	21.5	1	
3	QPSK	8	4	19.95	20.06	20.07			
3	QPSK	8	7	19.97	20.14	20.04			
3	QPSK	15	0	20.02	20.14	20.04			
3	16QAM	1	0	20.26	20.44	20.28			
3	16QAM	1	8	20.03	20.12	20.12	21.5	1	
3	16QAM	1	14	20.03	20.19	20.20			
3	16QAM	8	0	19.14	19.25	19.13			
3	16QAM	8	4	19.00	19.19	19.08	20.5	2	
3	16QAM	8	7	18.97	19.12	19.02			
3	16QAM	15	0	19.04	19.10	19.02			
3	64QAM	1	0	19.18	19.20	19.09			
3	64QAM	1	8	18.03	18.16	18.06	20.5	2	
3	64QAM	1	14	19.14	19.17	19.07			
3	64QAM	8	0	17.96	18.04	18.08			
3	64QAM	8	4	17.83	18.04	17.96	19.5	3	
3	64QAM	8	7	17.88	17.94	17.85			
3	64QAM	15	0	17.87	18.07	17.95			
3	256QAM	1	0	16.19	16.27	16.29	17.5	5	
3	256QAM	1	8	16.01	16.12	16.20			
3	256QAM	1	14	16.14	16.13	16.15			
3	256QAM	8	0	16.03	16.18	16.01	17.5	5	
3	256QAM	8	4	16.03	16.15	16.09			
3	256QAM	8	7	16.06	16.20	16.15			
3	256QAM	15	0	16.09	16.09	16.05			
Channel				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20407	20525	20643			
1.4	QPSK	1	0	20.92	21.15	21.08	22.5	0	
1.4	QPSK	1	3	20.89	21.00	20.91			
1.4	QPSK	1	5	21.08	21.04	21.07			
1.4	QPSK	3	0	21.01	21.14	21.13			
1.4	QPSK	3	1	20.97	21.00	21.03			
1.4	QPSK	3	3	21.10	21.11	21.05	21.5	1	
1.4	QPSK	6	0	20.08	20.07	19.96			
1.4	16QAM	1	0	19.87	19.95	19.96			
1.4	16QAM	1	3	19.98	20.09	19.90			
1.4	16QAM	1	5	19.98	20.07	19.94	21.5	1	
1.4	16QAM	3	0	19.94	20.02	20.01			
1.4	16QAM	3	1	18.90	20.07	18.99			
1.4	16QAM	3	3	20.21	20.36	20.25			
1.4	16QAM	6	0	19.07	19.09	19.09	20.5	2	
1.4	64QAM	1	0	18.96	19.14	19.10			
1.4	64QAM	1	3	18.91	18.98	18.91			
1.4	64QAM	1	5	19.04	19.06	19.08			
1.4	64QAM	3	0	18.96	19.19	19.04	20.5	2	
1.4	64QAM	3	1	19.02	19.07	19.02			
1.4	64QAM	3	3	18.95	18.96	18.83			
1.4	64QAM	6	0	17.78	17.94	17.88	19.5	3	
1.4	256QAM	1	0	16.17	16.10	16.16			
1.4	256QAM	1	3	16.02	16.12	16.03			
1.4	256QAM	1	5	16.06	16.07	16.13	17.5	5	
1.4	256QAM	3	0	16.09	16.06	15.95			
1.4	256QAM	3	1	15.94	16.07	15.97			
1.4	256QAM	3	3	16.00	16.05	16.08			
1.4	256QAM	6	0	15.94	16.11	16.10	17.5	5	

Band 5 Other PA Ant4 Default Sig Path 238									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				820	838.5	844			
10	QPSK	1	0	21.25	21.29	21.27	22.5	0	
10	QPSK	1	25	21.05	21.08	21.11			
10	QPSK	1	49	21.14	21.17	21.19			
10	QPSK	25	0	20.19	20.26	20.14			
10	QPSK	25	12	20.00	20.13	20.06	21.5	1	
10	QPSK	25	25	20.06	20.25	20.09			
10	QPSK	50	0	20.06	20.35	20.13			
10	16QAM	1	0	20.41	20.50	20.34			
10	16QAM	1	25	20.11	20.24	20.07	21.5	1	
10	16QAM	1	49	20.07	20.22	20.10			
10	16QAM	25	0	19.13	19.23	19.18			
10	16QAM	25	12	19.06	19.22	19.16			
10	16QAM	25	25	19.00	19.14	19.04	20.5	2	
10	16QAM	50	0	19.11	19.18	19.10			



Reduced Power Mode for DSI2

	GSM850 Airt 0 Default							
	E-UTRA Average Power (dBm)			Tune-up Limit	E-UTRA Average Power (dBm)			Tune-up Limit
PA Channel	#1	#2	#3	dBm	#1	#2	#3	dBm
Frequency (MHz)	124.2	124.6	124.8		124.2	124.6	124.8	
QPSK 1 Tx limit	31.25	31.50	31.60	33.00	22.78	23.50	22.66	24.50
QPSK 1 Tx limit	31.81	31.81	31.78	33.50	22.81	22.81	22.78	24.50
QPSK 2 Tx limit	30.50	30.74	30.81	33.00	24.50	24.74	24.81	25.50
QPSK 2 Tx limit	27.24	27.25	27.33	30.00	23.00	23.00	23.07	24.74
QPSK 4 Tx limit	25.00	25.11	25.05	27.00	22.00	22.11	22.05	24.00
EDGE 1 Tx limit	24.75	24.60	24.50	25.50	15.75	15.60	15.50	16.50
EDGE 2 Tx limit	22.84	22.80	22.50	24.00	18.84	18.80	18.50	18.00
EDGE 3 Tx limit	20.00	20.07	20.00	21.00	16.00	16.07	16.00	17.00
EDGE 4 Tx limit	18.42	18.44	18.76	20.00	15.42	15.44	15.76	17.00

	WCDMA V Airt 0 Default				
	PA Channel	#1	#2	#3	Tune-up Limit (dBm)
Frequency (MHz)	850.4	850.4	850.4	850.4	
SCPP Ref #	AMR 12.2kops	22.24	22.28	22.26	24.00
SCPP Ref #	AMR 12.2kops	22.20	22.43	22.20	24.00
SCPP Ref #	HSDPA Subcat-1	21.22	21.33	21.18	23.00
SCPP Ref #	HSDPA Subcat-2	22.33	22.22	22.23	23.00
SCPP Ref #	HSDPA Subcat-3	21.84	21.81	21.68	22.50
SCPP Ref #	HSDPA Subcat-4	21.10	21.80	21.10	22.50
SCPP Ref #	DC-HSDPA Subcat-1	21.50	21.50	21.50	23.00
SCPP Ref #	DC-HSDPA Subcat-2	22.26	22.18	22.14	23.00
SCPP Ref #	DC-HSDPA Subcat-3	21.80	21.80	21.80	23.00
SCPP Ref #	DC-HSDPA Subcat-4	21.70	21.74	21.60	22.50
SCPP Ref #	HSPA Subcat-1	22.00	21.74	22.00	23.00
SCPP Ref #	HSPA Subcat-2	20.50	20.32	20.23	21.00
SCPP Ref #	HSPA Subcat-3	21.30	21.34	21.33	22.00
SCPP Ref #	HSPA Subcat-4	20.28	20.24	20.19	21.00
SCPP Ref #	HSPA Subcat-5	21.31	21.24	21.30	23.00
SCPP Ref #	HSPA+ (TDD-MC) Subcat-1	19.76	19.65	19.72	20.50



Band 5 Ant0 Default									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.61	22.70	22.56			
10	QPSK	1	25	22.51	22.60	22.49			
10	QPSK	1	49	22.41	22.54	22.43			24
10	QPSK	25	0	21.96	21.66	21.59			
10	QPSK	25	12	21.57	21.63	21.57			
10	QPSK	25	25	21.59	21.65	21.59			23
10	QPSK	50	0	21.41	21.51	21.44			
10	16QAM	1	0	21.78	21.65	21.78			
10	16QAM	1	25	21.73	21.78	21.73			23
10	16QAM	1	49	21.79	21.82	21.79			
10	16QAM	25	0	20.51	20.59	20.55			
10	16QAM	25	12	20.54	20.51	20.49			22
10	16QAM	25	25	20.57	20.61	20.58			
10	16QAM	50	0	20.56	20.59	20.59			
10	64QAM	1	0	20.66	20.70	20.68			
10	64QAM	1	25	20.68	20.69	20.64			22
10	64QAM	1	49	20.68	20.71	20.69			
10	64QAM	25	0	19.53	19.57	19.50			
10	64QAM	25	12	19.57	19.60	19.56			
10	64QAM	25	25	19.54	19.61	19.58			21
10	64QAM	50	0	19.52	19.57	19.47			
10	256QAM	1	0	17.76	17.81	17.78			
10	256QAM	1	25	17.65	17.69	17.67			19
10	256QAM	1	49	17.62	17.73	17.70			
10	256QAM	25	0	17.78	17.85	17.82			
10	256QAM	25	12	17.68	17.61	17.61			19
10	256QAM	25	25	17.59	17.56	17.56			
10	256QAM	50	0	17.59	17.56	17.56			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.50	22.59	22.54			
5	QPSK	1	25	22.37	22.49	22.34			24
5	QPSK	1	49	22.31	22.49	22.30			
5	QPSK	12	0	21.90	21.87	21.43			
5	QPSK	12	7	21.55	21.57	21.49			
5	QPSK	12	13	21.53	21.56	21.55			23
5	QPSK	25	0	21.29	21.49	21.34			
5	16QAM	1	0	21.76	21.71	21.77			
5	16QAM	1	12	21.65	21.72	21.63			23
5	16QAM	1	24	21.68	21.69	21.64			
5	16QAM	12	0	20.40	20.48	20.43			
5	16QAM	12	7	20.48	20.53	20.46			22
5	16QAM	12	13	20.46	20.48	20.45			
5	16QAM	25	0	20.48	20.48	20.38			
5	64QAM	1	0	20.57	20.55	20.53			
5	64QAM	1	25	20.58	20.56	20.53			22
5	64QAM	1	49	20.53	20.51				
5	64QAM	12	0	19.46	19.50	19.38			
5	64QAM	12	7	19.54	19.59	19.47			
5	64QAM	12	13	19.49	19.53	19.47			21
5	64QAM	25	0	19.39	19.49	19.36			
5	256QAM	1	0	17.50	17.53	17.53			
5	256QAM	1	12	17.53	17.52	17.50			19
5	256QAM	1	24	17.45	17.64	17.60			
5	256QAM	12	0	17.50	17.53	17.52			
5	256QAM	12	7	17.50	17.53	17.52			19
5	256QAM	12	13	17.56	17.53	17.53			
5	256QAM	25	0	17.56	17.53	17.53			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.48	22.44	22.45			
3	QPSK	1	8	22.46	22.63	22.53			24
3	QPSK	1	14	22.29	22.40	22.30			
3	QPSK	8	0	21.48	21.60	21.46			
3	QPSK	8	7	21.47	21.59	21.47			23
3	16QAM	1	0	21.76	21.72	21.69			
3	16QAM	1	8	21.68	21.67	21.67			23
3	16QAM	1	14	21.62	21.71	21.63			
3	16QAM	8	0	20.40	20.53	20.45			
3	16QAM	8	7	20.48	20.48	20.46			22
3	16QAM	15	0	20.50	20.47	20.47			
3	64QAM	1	0	20.59	20.72	20.61			
3	64QAM	1	8	20.78	20.82	20.80			22
3	64QAM	1	14	20.66	20.69	20.58			
3	64QAM	8	0	19.45	19.43	19.38			
3	64QAM	8	7	19.46	19.67	19.55			21
3	64QAM	8	14	19.52	19.59	19.48			
3	256QAM	1	0	17.49	17.45	17.50			
3	256QAM	1	8	17.62	17.58	17.67			19
3	256QAM	1	14	17.57	17.71	17.56			
3	256QAM	8	0	17.49	17.65	17.57			
3	256QAM	8	7	17.55	17.54	17.57			19
3	256QAM	8	14	17.56	17.44	17.50			
3	256QAM	15	0	17.52	17.53	17.46			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.53	22.44	22.45			
1.4	QPSK	1	3	22.49	22.55	22.56			
1.4	QPSK	1	5	22.29	22.45	22.31			24
1.4	QPSK	3	0	22.52	22.63	22.48			
1.4	QPSK	3	1	22.56	22.54	22.57			
1.4	QPSK	3	3	22.27	22.50	22.31			23
1.4	QPSK	8	0	21.45	21.63	21.47			
1.4	16QAM	1	0	21.52	21.49	21.49			
1.4	16QAM	1	3	21.47	21.59	21.55			23
1.4	16QAM	1	5	21.44	21.53	21.41			
1.4	16QAM	3	0	21.52	21.59	21.46			
1.4	16QAM	3	1	21.53	21.67	21.61			23
1.4	16QAM	3	3	21.48	21.63	21.53			
1.4	64QAM	1	0	20.45	20.54	20.49			22
1.4	64QAM	1	3	20.46	20.53	20.39			
1.4	64QAM	1	5	20.50	20.59	20.47			
1.4	64QAM	1	5	20.54	20.52	20.48			22
1.4	64QAM	3	0	20.46	20.51	20.43			
1.4	64QAM	3	1	20.50	20.59	20.41			
1.4	64QAM	3	3	20.54	20.55	20.46			21
1.4	64QAM	8	0	19.39	19.49	19.36			
1.4	256QAM	1	0	17.55	17.77	17.72			
1.4	256QAM	1	3	17.59	17.54	17.54			19
1.4	256QAM	1	5	17.60	17.70	17.51			
1.4	256QAM	3	0	17.54	17.66	17.51			
1.4	256QAM	3	1	17.46	17.53	17.49			19
1.4	256QAM	3	3	17.45	17.43	17.43			
1.4	256QAM	8	0	17.51	17.41	17.46			19

Band 26 Ant0 Default									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.51	22.60	22.49			
15	QPSK	1	37	22.48	22.55	22.51			24
15	QPSK	1	74	22.46	22.51	22.46			
15	QPSK	36	0	21.38	21.46	21.42			
15	QPSK	36	20	21.41	21.42	21.39			23
15	QPSK	36	39	21.39	21.38	21.38			
15	QPSK	75	0	21.35	21.45	21.34			
15	16QAM	1	0	21.81	21.89	21.79			
15	16QAM	1	37	21.83	21.84	21.78			23
15	16QAM	1	74	21.81	21.76	21.82			
15	16QAM	36	0	20.39	20.49	20.39			
15	16QAM	36	20	20.30	20.41	20.28			22
15	16QAM	36	39	20.37	20.40	20.36			
15	16QAM	75	0	20.51	20.57	20.49			
15	64QAM	1	0	20.61	20.57	20.53			
15	64QAM	1	37	20.48	20.57	20.53			22
15	64QAM	1	74	20.34	20.38	20.31			
15	64QAM	36	0	19.47	19.53	19.46			21
15	64QAM	36	20	19.47	19.45	19.45			
15	64QAM	36	39	19.41	19.53	19.45			
15	64QAM	75	0	19.39	19.49	19.40			
15	256QAM	1	0	17.63	17.63	17.61			
15	256QAM	1	37	17.51	17.58	17.59			19
15	256QAM	1	74	17.50	17.56	17.48			
15	256QAM	36	0	17.42	17.53	17.45			
15	256QAM	36	20	17.42	17				



GSM1900 Airt 1 Default

GSM1900	Net Average Power (dBm)			Turn-up Limit (dBm)	Power Change Power Limits			Turn-up Limit (dBm)
	1920	1800	1920		1920	1800	1920	
TS Channel	1920	1800	1920	1920	1920	1800	1920	1920
Frequency (MHz)	1920.2	1800	1920.4		1920.2	1800	1920.4	
DMR 1 Tx Watt	29.18	29.46	29.52	30.50	29.18	29.46	29.52	31.50
GPRS 1 Tx Watt	29.25	29.41	29.30	30.50	29.27	29.41	29.30	31.50
GPRS 2 Tx Watt	27.27	27.38	27.21	28.50	27.27	27.38	27.21	29.50
GPRS 3 Tx Watt	24.74	25.10	25.08	26.50	24.52	25.04	25.00	27.50
GPRS 4 Tx Watt	23.47	23.57	23.50	24.50	23.41	23.57	23.50	25.50
EDGE 1 Tx Watt	29.50	29.34	29.50	30.50	29.50	29.34	29.50	31.50
EDGE 2 Tx Watt	29.50	29.69	29.57	30.00	29.50	29.69	29.57	30.00
EDGE 3 Tx Watt	21.22	21.52	21.10	22.50	19.97	17.98	18.90	19.24
EDGE 4 Tx Watt	18.80	19.00	18.90	20.00	15.80	16.00	15.90	17.00

WCDMA II Airt 1 Default

Band	WCDMA II			Turn-up Limit (dBm)
	TS Channel	9000	9600	
TS Channel	9000	9600	9558	1400
Frequency (MHz)	1920.4	1800	1920.6	
SCPP Ref Set	AMR 12 Default	22.20	22.40	22.20
SCPP Ref Set	AMR 12 Default	22.20	22.44	22.20
SCPP Ref Set	HSDPA Subclass-1	21.10	21.25	21.10
SCPP Ref Set	HSDPA Subclass-2	22.00	22.17	22.10
SCPP Ref Set	HSDPA Subclass-3	21.75	21.71	21.65
SCPP Ref Set	HSDPA Subclass-4	21.60	21.72	21.60
SCPP Ref Set	DCH-HSDPA Subclass-1	21.25	21.21	21.11
SCPP Ref Set	DCH-HSDPA Subclass-2	22.10	22.08	22.01
SCPP Ref Set	DCH-HSDPA Subclass-3	21.70	21.70	21.60
SCPP Ref Set	DCH-HSDPA Subclass-4	21.60	21.63	21.50
SCPP Ref Set	HSPA Subclass-1	21.90	22.10	21.90
SCPP Ref Set	HSPA Subclass-2	20.25	20.20	20.10
SCPP Ref Set	HSPA Subclass-3	21.20	21.20	21.10
SCPP Ref Set	HSPA Subclass-4	20.20	20.18	20.10
SCPP Ref Set	HSPA Subclass-5	21.20	21.14	21.10
SCPP Ref Set	HSPA (TACAM) Subclass-1	19.71	19.68	19.60



Band 2 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up (min)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.96	23.02	22.91	24	0	
20	QPSK	1	48	22.76	22.82	22.72			
20	QPSK	1	96	22.75	22.84	22.81			
20	QPSK	50	0	21.69	21.63	21.77			
20	QPSK	50	24	21.63	21.72	21.68			
20	QPSK	50	50	21.72	21.77	21.67	23	1	
20	QPSK	100	0	21.65	21.75	21.63			
20	HQAM	1	0	21.82	21.82	21.82			
20	HQAM	1	48	21.76	21.86	21.74	23	1	
20	HQAM	1	96	21.82	21.87	21.74			
20	HQAM	50	0	20.77	20.85	20.74			
20	HQAM	50	24	20.84	20.77	20.70			
20	HQAM	50	50	20.72	20.82	20.80	22	2	
20	HQAM	100	0	20.76	20.81	20.74			
20	HQAM	1	0	20.70	20.74	20.70			
20	HQAM	1	48	20.59	20.62	20.58	22	2	
20	HQAM	1	96	20.64	20.71	20.61			
20	HQAM	50	0	19.59	19.50	19.77			
20	HQAM	50	24	19.58	19.60	19.60			
20	HQAM	50	50	19.64	19.52	19.58	21	3	
20	HQAM	100	0	17.79	17.80	17.74			
20	HQAM	1	48	17.75	17.78	17.70	19	5	
20	256QAM	1	96	17.64	17.70	17.66			
20	256QAM	50	24	17.75	17.64	17.74			
20	256QAM	50	24	17.65	17.74	17.68	19	5	
20	256QAM	50	50	17.65	17.69	17.59			
20	256QAM	100	0	17.59	17.71	17.66			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.76	22.88	22.79	24	0	
15	QPSK	1	37	22.65	22.74	22.61			
15	QPSK	1	74	22.63	22.71	22.77			
15	QPSK	36	0	21.59	21.68	21.68			
15	QPSK	36	20	21.59	21.62	21.55			
15	QPSK	36	39	21.69	21.71	21.59	23	1	
15	HQAM	1	0	21.78	21.79	21.76			
15	HQAM	1	37	21.64	21.77	21.61	23	1	
15	HQAM	1	74	21.79	21.82	21.68			
15	HQAM	36	0	20.73	20.79	20.67			
15	HQAM	36	20	20.81	20.85	20.80	22	2	
15	HQAM	36	39	20.85	20.89	20.82			
15	HQAM	75	0	20.65	20.69	20.62			
15	HQAM	1	0	20.63	20.63	20.57	22	2	
15	HQAM	1	37	20.65	20.65	20.46			
15	HQAM	1	74	20.59	20.52	20.57			
15	HQAM	36	0	19.56	19.78	19.67			
15	HQAM	36	20	19.54	19.67	19.58			
15	HQAM	36	39	19.51	19.55	19.52	21	3	
15	HQAM	75	0	19.67	19.68	19.54			
15	256QAM	1	37	17.71	17.74	17.66			
15	256QAM	1	37	17.64	17.73	17.57	19	5	
15	256QAM	1	74	17.56	17.56	17.57			
15	256QAM	36	0	17.73	17.52	17.63			
15	256QAM	36	20	17.62	17.58	17.50			
15	256QAM	36	39	17.63	17.67	17.50	19	5	
15	256QAM	75	0	17.64	17.65	17.61			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.64	22.82	22.67	24	0	
10	QPSK	1	25	22.70	22.74	22.68			
10	QPSK	1	49	22.64	22.70	22.69			
10	QPSK	25	0	21.66	21.70	21.68			
10	QPSK	25	12	21.53	21.60	21.58			
10	QPSK	25	25	21.67	21.68	21.58	23	1	
10	QPSK	50	0	21.51	21.61	21.54			
10	HQAM	1	0	21.78	21.89	21.80			
10	HQAM	1	25	21.69	21.72	21.70	23	1	
10	HQAM	1	49	21.79	21.82	21.68			
10	HQAM	25	0	20.73	20.78	20.65			
10	HQAM	25	12	20.58	20.74	20.57			
10	HQAM	25	25	20.60	20.78	20.68	22	2	
10	HQAM	50	0	20.64	20.75	20.67			
10	HQAM	1	0	20.64	20.66	20.60	22	2	
10	HQAM	1	25	20.73	20.62	20.54			
10	HQAM	1	49	20.58	20.67	20.52			
10	HQAM	25	0	19.62	19.70	19.65			
10	HQAM	25	12	19.53	19.52	19.53			
10	HQAM	25	25	19.61	19.65	19.55	21	3	
10	HQAM	50	0	19.59	19.65	19.59			
10	256QAM	1	25	17.72	17.71	17.64			
10	256QAM	1	25	17.61	17.64	17.59	19	5	
10	256QAM	1	49	17.51	17.58	17.53			
10	256QAM	25	0	17.68	17.71	17.69			
10	256QAM	25	12	17.60	17.60	17.62			
10	256QAM	25	25	17.61	17.67	17.50	19	5	
10	256QAM	50	0	17.52	17.62	17.60			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.54	22.82	22.57	24	0	
5	QPSK	1	12	22.63	22.58	22.60			
5	QPSK	1	24	22.65	22.73	22.76			
5	QPSK	12	0	21.65	21.75	21.75			
5	QPSK	12	7	21.54	21.58	21.54	23	1	
5	QPSK	12	13	21.65	21.75	21.58			
5	QPSK	25	0	21.56	21.67	21.58			
5	HQAM	1	0	21.72	21.80	21.81			
5	HQAM	1	12	21.71	21.72	21.67	23	1	
5	HQAM	1	24	21.80	21.79	21.61			
5	HQAM	12	0	20.64	20.74	20.61			
5	HQAM	12	7	20.59	20.70	20.62	22	2	
5	HQAM	12	13	20.67	20.78	20.67			
5	HQAM	25	0	20.73	20.73	20.71			
5	HQAM	1	0	20.58	20.67	20.66	22	2	
5	HQAM	1	12	20.68	20.59	20.59			
5	HQAM	1	24	20.63	20.67	20.55			
5	HQAM	12	0	19.62	19.74	19.63			
5	HQAM	12	7	19.54	19.61	19.57	21	3	
5	HQAM	12	13	19.59	19.59	19.61			
5	HQAM	25	0	19.61	19.65	19.56			
5	256QAM	1	12	17.74	17.75	17.68			
5	256QAM	1	12	17.63	17.66	17.63	19	5	
5	256QAM	1	24	17.61	17.66	17.59			
5	256QAM	12	0	17.62	17.62	17.68			
5	256QAM	12	7	17.53	17.60	17.60			
5	256QAM	12	13	17.57	17.57	17.53	19	5	
5	256QAM	25	0	17.52	17.64	17.59			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.52	22.87	22.53	24	0	
3	QPSK	1	8	22.64	22.75	22.82			
3	QPSK	1	14	22.66	22.73	22.75			
3	QPSK	8	0	21.66	21.76	21.63			
3	QPSK	8	4	21.52	21.58	21.56	23	1	
3	QPSK	8	7	21.59	21.65	21.60			
3	QPSK	15	0	21.55	21.70	21.53			
3	HQAM	1	0	21.72	21.86	21.80			
3	HQAM	1	8	21.63	21.75	21.64	23	1	
3	HQAM	1	14	21.73	21.77	21.69			
3	HQAM	8	0	20.75	20.80	20.72			
3	HQAM	8	4	20.51	20.68	20.59	22	2	
3	HQAM	8	7	20.79	20.71	20.68			
3	HQAM	15	0	20.62	20.74	20.65			
3	HQAM	1	0	20.59	20.69	20.64	22	2	
3	HQAM	1	8	20.65	20.64	20.51			
3	HQAM	1	14	20.59	20.62	20.54			
3	HQAM	8	0	19.58	19.73	19.64			
3	HQAM	8	7	19.50	19.69	19.57	21	3	
3	256QAM	1	0	17.67	17.77	17.63			
3	256QAM	1	8	17.65	17.71	17.63	19	5	
3	256QAM	1	14	17.61	17.63	17.61			
3	256QAM	8	0	17.71	17.51	17.68			
3	256QAM	8	4	17.61	17.67	17.66			
3	256QAM	8	7	17.54	17.61	17.53	19	5	
3	256QAM	15	0	17.55	17.58	17.58			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.76	22.83	22.84	24	0	
1.4	QPSK	1	3	22.70	22.70	22.80			
1.4	QPSK	1	6	22.59	22.76	22.88			
1.4	QPSK	3	0	22.79	22.86	22.84			
1.4	QPSK	3	1	22.63	22.74	22.84			
1.4	QPSK	3	3	22.67	22.73	22.72	23	1	
1.4	QPSK	6	0	21.66	21.74	21.65			
1.4	HQAM	1	0	21.61	21.63	21.55			
1.4	HQAM	1	3	21.69	21.76	21.71	23	1	
1.4	HQAM	3	0	21.52	21.62	21.54			
1.4	HQAM	3	3	21.59	21.64	21.56			
1.4	HQAM	6	0	20.59	20.64	20.52	22	2	
1.4	HQAM	1	0	20.51	20.66	20.54			
1.4	HQAM	1	3	20.56	20.64	20.54	22	2	
1.4	HQAM	3	0	20.50	20.63	20.53			
1.4	HQAM	3	3	20.59	20.66	20.58			
1.4	HQAM	6	0	19.55	19.65	19.66	21	3	
1.4	256QAM	1	0	17.72	17.68	17.63			
1.4	256QAM	1	3	17.69	17.71	17.61			
1.4	256QAM	3	0	17.62	17.63	17.60			
1.4	256QAM	3	3	17.65	17.62	17.65	19	5	
1.4	256QAM	3	1	17.					



Band 42 FCC Part27Q Ant2 DSI 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42990	42990				
Frequency (MHz)				3465	3500	3545				
20	QPSK	1	0	18.29	18.43	18.31	19.8	0		
20	QPSK	1	49	18.44	18.42	18.38				
20	QPSK	1	99	18.43	18.41	18.42				
20	QPSK	50	0	18.29	18.43	18.22				
20	QPSK	50	24	18.38	18.24	18.31	19.8	0		
20	QPSK	50	49	18.41	18.45	18.38				
20	QPSK	100	0	18.26	18.40	18.24				
20	HQAM	1	0	18.38	18.23	18.35	19.8	0		
20	HQAM	1	49	18.38	18.40	18.34				
20	HQAM	1	99	18.31	18.51	18.27				
20	HQAM	50	0	18.41	18.25	18.37				
20	HQAM	50	24	18.35	18.40	18.35	19.8	0		
20	HQAM	50	50	18.33	18.48	18.28				
20	HQAM	100	0	18.29	18.31	18.22				
20	HQAM	1	0	18.40	18.25	18.35	19.8	0		
20	HQAM	1	49	18.28	18.46	18.21				
20	HQAM	1	99	18.42	18.40	18.28				
20	HQAM	50	0	18.35	18.52	18.39				
20	HQAM	50	24	18.25	18.46	18.25	19.8	0		
20	HQAM	50	50	18.41	18.29	18.27				
20	HQAM	100	0	18.32	18.48	18.34				
20	SBSAM	1	0	17.92	17.92	17.93				
20	SBSAM	1	49	17.98	18.02	17.94	19	0.8		
20	SBSAM	1	99	17.91	17.98	17.91				
20	SBSAM	36	0	17.98	18.06	18.02				
20	SBSAM	50	24	17.84	17.97	17.91	19	0.8		
20	SBSAM	50	50	17.89	17.85	17.85				
20	SBSAM	100	0	17.78	17.91	17.84				
Channel				42195	42990	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3467.5	3500	3547.5				
15	QPSK	1	0	18.30	18.43	18.30	19.8	0		
15	QPSK	1	37	18.36	18.38	18.30				
15	QPSK	1	74	18.36	18.46	18.41				
15	QPSK	36	0	18.21	18.43	18.24				
15	QPSK	36	20	18.32	18.28	18.30	19.8	0		
15	QPSK	36	39	18.39	18.44	18.36				
15	QPSK	75	0	18.25	18.43	18.17				
15	HQAM	1	0	18.28	18.28	18.32	19.8	0		
15	HQAM	1	37	18.33	18.40	18.28				
15	HQAM	1	74	18.27	18.40	18.25				
15	HQAM	36	0	18.30	18.31	18.34				
15	HQAM	36	39	18.26	18.38	18.31	19.8	0		
15	HQAM	36	59	18.27	18.43	18.20				
15	HQAM	75	0	18.28	18.25	18.30				
15	HQAM	1	0	18.33	18.46	18.31	19.8	0		
15	HQAM	1	37	18.23	18.42	18.18				
15	HQAM	1	74	18.39	18.37	18.26				
15	HQAM	36	3	18.29	18.47	18.36				
15	HQAM	36	20	18.18	18.39	18.16	19.8	0		
15	HQAM	36	39	18.34	18.30	18.28				
15	HQAM	75	0	18.22	18.35	18.20				
15	SBSAM	1	0	17.87	17.92	17.88	19	0.8		
15	SBSAM	1	37	17.99	17.87	17.87				
15	SBSAM	1	74	17.82	17.96	17.77				
15	SBSAM	36	0	17.84	17.97	17.92				
15	SBSAM	36	20	17.73	17.92	17.84	19	0.8		
15	SBSAM	36	39	17.82	17.91	17.78				
15	SBSAM	75	0	17.70	17.76	17.80				
Channel				42190	42990		Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500	3545				
10	QPSK	1	0	18.30	18.43	18.26	19.8	0		
10	QPSK	1	25	18.35	18.38	18.27				
10	QPSK	1	49	18.41	18.51	18.31				
10	QPSK	36	0	18.19	18.43	18.14				
10	QPSK	25	12	18.31	18.31	18.22	19.8	0		
10	QPSK	25	25	18.32	18.43	18.30				
10	QPSK	50	0	18.18	18.41	18.14				
10	HQAM	1	0	18.26	18.23	18.30	19.8	0		
10	HQAM	1	25	18.35	18.43	18.31				
10	HQAM	1	49	18.22	18.48	18.22				
10	HQAM	25	0	18.36	18.27	18.27				
10	HQAM	25	12	18.28	18.43	18.22	19.8	0		
10	HQAM	25	25	18.29	18.47	18.18				
10	HQAM	50	0	18.34	18.27	18.25				
10	HQAM	1	0	18.31	18.46	18.26	19.8	0		
10	HQAM	1	25	18.21	18.43	18.10				
10	HQAM	1	49	18.34	18.27	18.27				
10	HQAM	25	0	18.28	18.43	18.31				
10	HQAM	25	12	18.19	18.41	18.20	19.8	0		
10	HQAM	25	25	18.31	18.20	18.29				
10	HQAM	50	0	18.24	18.41	18.25				
10	SBSAM	1	0	17.82	17.83	17.89				
10	SBSAM	1	25	17.85	17.84	17.86	19	0.8		
10	SBSAM	1	49	17.88	17.84	17.85				
10	SBSAM	25	0	17.81	17.82	17.89				
10	SBSAM	25	12	17.81	17.85	17.86	19	0.8		
10	SBSAM	25	25	17.87	17.85	17.77				
10	SBSAM	50	0	17.71	17.89	17.72				
Channel				42195	42990	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3467.5	3500	3547.5				
5	QPSK	1	0	18.33	18.23	18.22	19.8	0		
5	QPSK	1	15	18.09	18.23	18.24				
5	QPSK	1	24	18.34	18.43	18.41				
5	QPSK	12	0	18.25	18.46	18.14				
5	QPSK	12	7	18.36	18.26	18.27	19.8	0		
5	QPSK	12	13	18.37	18.44	18.30				
5	QPSK	25	0	18.16	18.46	18.17				
5	HQAM	1	0	18.26	18.25	18.34	19.8	0		
5	HQAM	1	12	18.30	18.43	18.31				
5	HQAM	1	24	18.27	18.46	18.23				
5	HQAM	12	0	18.39	18.24	18.31				
5	HQAM	12	7	18.28	18.39	18.23	19.8	0		
5	HQAM	12	13	18.32	18.40	18.23				
5	HQAM	25	0	18.25	18.28	18.30				
5	HQAM	1	0	18.37	18.46	18.32	19.8	0		
5	HQAM	1	12	18.19	18.41	18.16				
5	HQAM	1	24	18.39	18.52	18.26				
5	HQAM	12	0	18.27	18.46	18.27				
5	HQAM	12	7	18.23	18.35	18.23	19.8	0		
5	HQAM	12	13	18.36	18.34	18.35				
5	HQAM	25	0	18.21	18.45	18.29				
5	SBSAM	1	0	17.83	17.93	17.84				
5	SBSAM	1	12	17.88	17.82	17.82	19	0.8		
5	SBSAM	1	24	17.85	17.89	17.80				
5	SBSAM	12	0	17.85	17.93	17.95				
5	SBSAM	12	7	17.79	17.81	17.88	19	0.8		
5	SBSAM	12	13	17.81	17.89	17.79				
5	SBSAM	25	0	17.65	17.80	17.75				



Reduced Power Mode for DSI3

	GSM850 Airt 0 DSI 3				Frame-Average Power (dBm)				Turn-up Limit (dBm)
	Base	198	198	201	198	198	201	201	
TX Channel	198	198	201	198	198	198	201	201	
Frequency (MHz)	854.2	854.2	854.8	854.2	854.2	854.2	854.8	854.8	
GSM 1 Tx watt	31.75	31.55	31.60	33.50	22.25	22.55	22.60	24.50	
OPRS 1 Tx watt	31.85	31.61	31.70	33.50	22.21	22.41	22.31	24.50	
OPRS 2 Tx watt	30.55	30.14	30.51	31.55	24.51	24.14	24.51	25.51	
OPRS 3 Tx watt	21.24	21.20	21.25	20.00	21.00	20.99	21.01	24.74	
OPRS 4 Tx watt	20.50	20.11	20.50	21.00	22.50	22.11	22.50	24.50	
EDGE 1 Tx watt	24.75	24.65	24.50	25.50	15.75	15.65	15.50	16.50	
EDGE 2 Tx watt	22.84	22.90	22.90	24.00	16.84	16.90	16.90	18.00	
EDGE 3 Tx watt	20.52	20.37	20.50	22.00	18.20	18.11	18.50	17.74	
EDGE 4 Tx watt	18.42	18.44	18.70	20.00	15.42	15.44	15.70	17.50	

	WCDMA V Airt 0 DSI 3				Turn-up Limit (dBm)
	Base	4350	4350	4350	
TX Channel	4350	4350	4350	4350	
Frequency (MHz)	4350	4350	4350	4350	
ISPP Rel 99	AMR 12.2kps	22.24	22.38	22.24	24.00
ISPP Rel 99	RNC 12.2kps	22.39	22.43	22.20	24.00
ISPP Rel 6	HSPA Subcat 1	21.22	21.33	21.10	23.00
ISPP Rel 6	HSPA Subcat 2	22.12	22.22	22.22	23.00
ISPP Rel 6	HSPA Subcat 3	21.26	21.31	21.60	22.50
ISPP Rel 6	HSPA Subcat 4	21.78	21.80	21.72	22.55
ISPP Rel 6	DC-HSPA Subcat 1	21.20	21.32	21.20	23.00
ISPP Rel 6	DC-HSPA Subcat 2	22.25	22.18	22.14	23.00
ISPP Rel 6	DC-HSPA Subcat 3	21.82	21.90	21.67	22.50
ISPP Rel 6	DC-HSPA Subcat 4	21.78	21.74	21.68	22.50
ISPP Rel 6	HSPA Subcat 1	22.08	22.14	22.00	23.00
ISPP Rel 6	HSPA Subcat 2	20.20	20.22	20.20	21.50
ISPP Rel 6	HSPA Subcat 3	21.30	21.34	21.20	22.00
ISPP Rel 6	HSPA Subcat 4	20.25	20.24	20.10	21.00
ISPP Rel 7	HSPA Subcat 1	21.25	21.24	21.20	23.00
ISPP Rel 7	HSPA (HSPA) Subcat 1	19.78	19.68	19.72	20.50



GSM1900 Art 1 DS1.3

GSM1900 Tx Channel Frequency (MHz)	Mean Average Power (dBm)			Frame Average Power (dBm)		
	1902.2	1902	1902.8	1902.2	1902	1902.8
DMR 1 Tx Wd	20.18	20.46	20.52	20.18	20.46	20.52
GPRS 1 Tx Wd	20.27	20.41	20.30	20.27	20.41	20.30
GPRS 2 Tx Wd	20.88	20.91	20.15	20.88	20.91	20.15
GPRS 3 Tx Wd	24.20	24.68	24.83	24.20	24.30	24.68
GPRS 4 Tx Wd	23.41	23.57	23.59	24.50	25.41	25.59
EDGE 1 Tx Wd	21.02	21.24	21.02	18.02	18.24	18.02
EDGE 2 Tx Wd	22.08	22.80	22.87	24.00	18.08	18.87
EDGE 3 Tx Wd	21.23	21.32	21.18	22.50	18.07	17.08
EDGE 4 Tx Wd	18.88	19.02	18.99	20.00	19.88	19.99

WCDMA H Art 1 DS1.3

Band Tx Channel Frequency (MHz)	WCDMA			Turn-off Line (dBm)
	9552	9600	9638	
AMR 12.2kbit/s	20.74	20.87	20.69	21.80
HSPA Rel 6	19.21	19.04	20.23	21.60
HSPA Rel 6	19.60	19.70	19.61	20.80
HSPA Rel 6	19.60	20.00	20.12	20.90
HSPA Rel 6	19.67	19.82	19.88	20.10
HSPA Rel 6	19.68	19.61	19.61	20.10
HSPA Rel 6	19.17	19.07	19.01	20.00
HSPA Rel 6	20.04	19.91	19.90	20.80
HSPA Rel 6	18.80	18.64	18.82	20.10
HSPA Rel 6	19.09	18.47	18.54	20.10
HSPA Rel 6	19.07	18.98	19.84	20.80
HSPA Rel 6	18.17	18.12	18.04	19.80
HSPA Rel 6	19.20	19.20	19.08	19.80
HSPA Rel 6	18.18	18.02	17.87	19.80
HSPA Rel 6	19.11	18.02	19.93	20.80
HSPA Rel 7	17.89	17.86	17.88	18.10



Reduced Power Mode for DS16

GSM/GPRS	GSM/GPRS Ane G DS16			
	Band	Frequency (MHz)	Turn-off Limit (MHz)	Turn-on Limit (MHz)
TX Channel	128	160	261	
Frequency (MHz)	124.2	117.6	117.6	
GPRS 1 Tx slot	11.7	11.55	11.65	11.55
GPRS 1 Tx slot	11.81	11.61	11.70	11.55
GPRS 2 Tx slots	20.60	20.14	20.61	20.60
GPRS 3 Tx slots	27.54	27.25	27.51	27.50
GPRS 4 Tx slot	28.50	28.11	28.50	28.50
GPRS 5 Tx slot	34.70	34.65	34.50	34.50
GPRS 6 Tx slot	34.70	34.65	34.50	34.50
EDGE 1 Tx slot	22.84	22.80	22.80	24.00
EDGE 2 Tx slot	22.84	22.80	22.80	24.00
EDGE 3 Tx slot	22.84	22.80	22.80	24.00
EDGE 4 Tx slot	18.42	18.44	18.70	20.00

Band	WCDMA V Ane G DS16			
	Band	Frequency (MHz)	Turn-off Limit (MHz)	Turn-on Limit (MHz)
TX Channel	4150	4185	4293	
Frequency (MHz)	4329	4307	4468	
SCPP Rel. 04	AMR 12.2kops	22.20	22.90	23.20
SCPP Rel. 04	AMR 12.2kops	22.20	22.43	22.20
SCPP Rel. 04	HSRPA Subslot-1	21.22	21.33	21.10
SCPP Rel. 04	HSRPA Subslot-2	21.31	21.22	21.30
SCPP Rel. 04	HSRPA Subslot-3	21.84	21.81	21.60
SCPP Rel. 04	HSRPA Subslot-4	21.93	21.80	21.70
SCPP Rel. 04	DC-HSRPA Subslot-1	21.50	21.32	21.20
SCPP Rel. 04	DC-HSRPA Subslot-2	22.20	22.16	22.10
SCPP Rel. 04	DC-HSRPA Subslot-3	21.82	21.60	21.60
SCPP Rel. 04	DC-HSRPA Subslot-4	21.70	21.74	21.60
SCPP Rel. 04	HSRPA Subslot-1	22.90	23.14	22.90
SCPP Rel. 04	HSRPA Subslot-2	20.30	20.32	20.20
SCPP Rel. 04	HSRPA Subslot-3	21.90	21.94	21.90
SCPP Rel. 04	HSRPA Subslot-4	20.20	20.24	20.10
SCPP Rel. 04	HSRPA Subslot-5	21.10	21.04	21.00
SCPP Rel. 04	HSRPA (FDD/AMR) Subslot-1	19.70	19.68	19.70



GBM1900 Art 1 Default

GBM1900	Bitrate Average Power (dBm)			Turn-up Limit (dBm)	Frame Average Power (dBm)			Turn-up Limit (dBm)
	1850.2	1860	1900.2		1850.2	1860	1900.2	
TS Channel	18.5	18.5	18.5	19.5	18.5	18.5	18.5	19.5
Frequency (MHz)	1850.2	1860	1900.2		1850.2	1860	1900.2	
DMB T Tx Watt	20.18	20.46	20.52	30.50	20.18	20.46	20.52	21.50
GPRS 1 Tx Watt	22.27	22.41	22.30	30.50	22.27	22.41	22.30	23.50
GPRS 2 Tx Watt	22.27	22.38	22.21	28.50	21.27	21.38	21.21	22.50
GPRS 3 Tx Watt	24.78	25.20	25.08	28.50	23.28	23.84	23.80	24.24
GPRS 4 Tx Watt	23.41	23.57	23.59	24.50	20.41	20.57	20.59	21.50
EDGE 1 Tx Watt	23.02	23.24	23.29	26.50	18.02	18.24	18.29	19.50
EDGE 2 Tx Watt	23.08	22.89	22.87	24.00	18.08	18.89	18.87	18.00
EDGE 3 Tx Watt	21.23	21.52	21.16	22.50	16.97	17.06	16.90	18.24
EDGE 4 Tx Watt	18.68	19.00	18.90	20.00	15.68	16.00	15.90	17.00

WCDMA II Art 1 Default

Band	WCDMA II			Turn-up Limit (dBm)
	TS Channel	9652	9650	
TS Channel	9652	9650	9658	
Frequency (MHz)	1852.4	1860	1907.2	
SCPP Power	AMP 12 Default	22.23	22.40	22.20
SCPP Power	HS-DS-SS Subcar-1	21.50	22.01	22.50
SCPP Power	HS-DS-SS Subcar-2	21.13	21.25	21.15
SCPP Power	HS-DS-SS Subcar-3	22.02	22.17	22.10
SCPP Power	HS-DS-SS Subcar-4	21.74	21.51	21.85
SCPP Power	HS-DS-SS Subcar-5	21.89	21.72	21.89
SCPP Power	DCH-HS-DS-SS Subcar-1	21.92	21.21	21.11
SCPP Power	DCH-HS-DS-SS Subcar-2	22.15	22.08	22.01
SCPP Power	DCH-HS-DS-SS Subcar-3	21.70	21.70	21.64
SCPP Power	DCH-HS-DS-SS Subcar-4	21.68	21.63	21.62
SCPP Power	HS-PA Subcar-1	21.97	22.10	21.96
SCPP Power	HS-PA Subcar-2	20.92	20.93	20.10
SCPP Power	HS-PA Subcar-3	21.22	21.29	21.18
SCPP Power	HS-PA Subcar-4	20.93	20.18	20.16
SCPP Power	HS-PA Subcar-5	21.22	21.14	21.15
SCPP Power	HS-PA Subcar-6	19.21	19.65	19.89



Band 42 FCC Part27Q Ant2 DSI 6

Bit (Hz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42990	42990		
Frequency (MHz)				3465	3500	3545		
20	QPSK	1	0	20.23	20.28	20.29	22	0
20	QPSK	1	49	20.05	20.20	20.10		
20	QPSK	1	99	20.07	20.10	20.08		
20	QPSK	50	0	20.11	20.33	20.21		
20	QPSK	50	24	20.14	20.32	20.17	22	0
20	QPSK	50	60	20.16	20.30	20.26		
20	QPSK	100	0	20.19	20.25	20.20		
20	HQAM	1	0	20.19	20.34	20.22		
20	HQAM	1	49	20.14	20.14	20.17	22	0
20	HQAM	1	99	20.03	20.10	20.19		
20	HQAM	50	0	20.13	20.32	20.17		
20	HQAM	50	24	20.19	20.12	20.03	22	0
20	HQAM	50	60	20.20	20.16	20.01		
20	HQAM	100	0	20.19	20.29	20.25		
20	HQAM	1	0	20.15	20.25	20.15		
20	HQAM	1	49	20.02	20.12	20.04	22	0
20	HQAM	1	99	20.21	20.15	20.10		
20	HQAM	50	0	19.98	20.00	19.95		
20	HQAM	50	24	19.85	19.95	19.92		
20	HQAM	50	60	19.78	19.91	19.83	21	1
20	HQAM	100	0	19.83	19.84	19.90		
20	SBSAM	1	0	17.62	18.05	17.93		
20	SBSAM	1	49	17.68	18.00	17.84	19	3
20	SBSAM	1	99	17.91	17.88	17.91		
20	SBSAM	50	0	17.68	18.06	18.02		
20	SBSAM	50	24	17.84	17.97	17.91	19	3
20	SBSAM	50	60	17.89	17.85	17.85		
20	SBSAM	100	0	17.78	17.91	17.84		
Channel				42195	42990	43015		
Frequency (MHz)				347.5	3500	3542.5		
15	QPSK	1	0	20.10	20.28	20.13	22	0
15	QPSK	1	37	20.13	20.18	20.18		
15	QPSK	1	74	20.00	20.10	20.15		
15	QPSK	36	0	20.03	20.30	20.08		
15	QPSK	36	20	20.05	20.28	20.08	22	0
15	QPSK	36	39	20.08	20.23	20.15		
15	QPSK	75	0	20.10	20.17	20.12		
15	HQAM	1	0	20.14	20.28	20.16		
15	HQAM	1	37	20.11	20.08	20.08	22	0
15	HQAM	1	74	20.09	20.01	20.09		
15	HQAM	36	0	20.00	20.21	20.13		
15	HQAM	36	39	20.07	20.04	20.05	22	0
15	HQAM	36	39	20.05	20.04	20.11		
15	HQAM	75	0	20.09	20.10	20.17		
15	HQAM	1	0	20.11	20.19	20.13		
15	HQAM	1	37	20.08	20.03	20.12	22	0
15	HQAM	1	74	20.04	20.06	20.13		
15	HQAM	36	0	19.94	20.02	19.93		
15	HQAM	36	20	19.75	19.88	19.79	21	1
15	HQAM	36	39	19.75	19.88	19.77		
15	HQAM	75	0	19.70	19.53	19.85		
15	SBSAM	1	0	17.67	18.02	17.88	19	3
15	SBSAM	1	37	17.69	17.82	17.87		
15	SBSAM	1	74	17.82	17.95	17.77		
15	SBSAM	36	0	17.84	17.97	17.92		
15	SBSAM	36	20	17.73	17.85	17.84	19	3
15	SBSAM	36	39	17.82	17.91	17.78		
15	SBSAM	75	0	17.70	17.76	17.80		
Channel				42195	42990	43015		
Frequency (MHz)				3465	3500	3545		
10	QPSK	1	0	20.17	20.27	20.24	22	0
10	QPSK	1	25	20.01	20.11	20.02		
10	QPSK	1	49	20.11	20.09	20.02		
10	QPSK	36	0	20.05	20.22	20.11		
10	QPSK	25	12	20.08	20.20	20.14	22	0
10	QPSK	25	25	20.11	20.19	20.15		
10	QPSK	100	0	20.12	20.21	20.08		
10	HQAM	1	0	20.14	20.28	20.10		
10	HQAM	1	25	20.10	20.01	20.08	22	0
10	HQAM	1	49	20.13	20.01	20.09		
10	HQAM	25	0	20.03	20.22	20.07		
10	HQAM	25	12	20.07	20.02	20.12	22	0
10	HQAM	25	25	20.12	20.05	20.05		
10	HQAM	50	0	20.13	20.17	20.14		
10	HQAM	1	0	20.08	20.20	20.09		
10	HQAM	1	25	20.10	20.03	20.12	22	0
10	HQAM	25	0	19.90	19.98	19.85		
10	HQAM	25	12	19.76	19.92	19.86	21	1
10	HQAM	25	25	19.69	19.77	19.80		
10	HQAM	50	0	19.60	19.84	19.80		
10	SBSAM	1	0	17.82	17.93	17.89		
10	SBSAM	1	25	17.85	17.94	17.86	19	3
10	SBSAM	1	49	17.88	17.84	17.85		
10	SBSAM	25	0	17.81	17.82	17.89		
10	SBSAM	25	12	17.81	17.88	17.86	19	3
10	SBSAM	25	25	17.87	17.85	17.77		
10	SBSAM	50	0	17.71	17.89	17.72		
Channel				42195	42990	43015		
Frequency (MHz)				3462.5	3500	3547.5		
5	QPSK	1	0	20.12	20.21	20.24	22	0
5	QPSK	1	12	20.11	20.14	20.05		
5	QPSK	1	24	20.00	20.08	20.03		
5	QPSK	12	0	20.05	20.24	20.18		
5	QPSK	12	7	20.04	20.28	20.09	22	0
5	QPSK	12	13	20.10	20.23	20.21		
5	QPSK	25	0	20.07	20.21	20.07		
5	HQAM	1	0	20.11	20.24	20.10		
5	HQAM	1	12	20.10	20.05	20.04	22	0
5	HQAM	1	24	20.09	20.05	20.10		
5	HQAM	12	0	20.03	20.28	20.10		
5	HQAM	12	7	20.08	20.00	20.11	22	0
5	HQAM	12	13	20.19	20.11	20.12		
5	HQAM	25	0	20.08	20.23	20.13		
5	HQAM	1	0	20.04	20.21	20.11		
5	HQAM	1	12	20.12	20.09	20.10	22	0
5	HQAM	1	24	20.05	20.11	20.13		
5	HQAM	12	0	19.88	20.06	19.90		
5	HQAM	12	7	19.75	19.90	19.82	21	1
5	HQAM	12	13	19.69	19.82	19.71		
5	HQAM	25	0	19.75	19.80	19.82		
5	SBSAM	1	0	17.83	17.90	17.84		
5	SBSAM	1	12	17.88	17.82	17.82	19	3
5	SBSAM	1	24	17.85	17.89	17.80		
5	SBSAM	12	0	17.85	17.93	17.95		
5	SBSAM	12	7	17.79	17.81	17.88	19	3
5	SBSAM	12	13	17.81	17.88	17.79		
5	SBSAM	25	0	17.65	17.80	17.75		



Reduced Power Mode for DSI7

GSM850 An 0 DSI7							
Band	Best Average Power (dBm)			Turn-up Limit	Frame Average Power (dBm)		Turn-up Limit
TX Channel	198	199	201	198	199	201	198
Frequency (MHz)	814.2	814.8	815.8	(dBm)	814.2	814.8	(dBm)
GSM 1 Tx Init	17.75	17.50	17.10	17.50	22.75	22.50	22.10
OPRS 1 Tx Init	31.81	31.61	31.78	33.30	22.81	22.61	22.78
OPRS 2 Tx Init	30.50	30.14	30.1	31.08	24.50	24.14	24.1
OPRS 3 Tx Init	27.34	27.25	27.33	29.00	23.08	23.00	23.07
OPRS 4 Tx Init	25.00	25.11	25.05	27.00	22.00	22.11	22.05
EDGE 1 Tx Init	24.75	24.60	24.50	25.50	19.75	19.50	19.50
EDGE 2 Tx Init	22.84	22.40	22.50	24.00	18.84	18.50	18.50
EDGE 3 Tx Init	20.00	20.37	20.38	21.00	16.00	16.11	16.10
EDGE 4 Tx Init	18.42	18.44	18.78	20.00	15.42	15.44	15.78

WCDMA V An 0 DSI7							
Band	WCDMA V			Turn-up Limit	WCDMA V		Turn-up Limit
TX Channel	4192	4192	4233	4192	4192	4233	4192
Frequency (MHz)	850.4	856.8	868.8	(dBm)	850.4	856.8	(dBm)
SCPP Band	AMC 12 Mode	22.34	22.38	22.30	24.00		
SCPP Band	RNC 12 Mode	22.30	22.41	22.29	24.00		
SCPP Band	HSDPA Subclass-1	21.52	21.33	21.18	23.00		
SCPP Band	HSDPA Subclass-2	22.33	22.22	22.20	23.00		
SCPP Band	HSDPA Subclass-3	21.34	21.81	21.68	22.50		
SCPP Band	HSDPA Subclass-4	21.30	21.68	21.57	22.50		
SCPP Band	DC-HSDPA Subclass-1	21.30	21.32	21.00	21.00		
SCPP Band	DC-HSDPA Subclass-2	22.26	22.18	22.14	23.00		
SCPP Band	DC-HSDPA Subclass-3	21.62	21.90	21.87	22.50		
SCPP Band	DC-HSDPA Subclass-4	21.70	21.74	21.60	22.50		
SCPP Band	HSPA Subclass-1	22.08	22.14	22.08	23.00		
SCPP Band	HSPA Subclass-2	20.30	20.32	20.31	21.00		
SCPP Band	HSPA Subclass-3	21.30	21.34	21.00	22.00		
SCPP Band	HSPA Subclass-4	20.28	20.24	20.10	21.00		
SCPP Band	HSPA Subclass-5	21.31	21.24	21.00	22.00		
SCPP Band	HSPA (FDDMA) Subclass-1	19.78	19.68	19.72	20.00		



GSM1900 Axi 1 DB 7

GSM1900	Beam Average Power (dBm)			Turn-up Limit (dBm)	Frame Average Power (dBm)			Turn-up Limit (dBm)
	1850.2	1860	1900.8		1850.2	1860	1900.8	
TS Channel	18.12	18.00	18.00	20.00	18.00	18.00	18.00	21.00
Frequency (MHz)	1850.2	1860	1900.8		1850.2	1860	1900.8	
DMR 1 Tx Watt	20.18	20.46	20.52	30.00	20.18	20.46	20.52	21.00
GPRS 1 Tx Watt	20.27	20.41	20.30	30.00	20.27	20.41	20.30	21.00
GPRS 2 Tx Watt	20.88	21.01	20.75	25.00	20.88	21.01	20.75	22.00
GPRS 3 Tx Watt	20.48	24.08	24.63	26.00	20.00	24.34	24.27	24.04
GPRS 4 Tx Watt	20.41	23.57	23.59	24.00	20.41	20.57	20.59	21.50
EDGE 1 Tx Watt	21.02	21.04	21.02	26.00	18.02	18.04	18.02	18.00
EDGE 2 Tx Watt	21.08	21.09	21.07	24.00	18.08	18.09	18.07	18.00
EDGE 3 Tx Watt	21.23	21.32	21.16	22.00	18.23	18.32	18.16	18.24
EDGE 4 Tx Watt	18.68	19.00	18.90	20.00	18.68	19.00	18.90	17.00

WCDMA II Axi 1 CSI 7

Beam	WCDMA II			Turn-up Limit (dBm)	
	TS Channel	8852	9450		8858
TS Channel	8852	9450	8858		
Frequency (MHz)	8852.4	9450	8857.2		
SCPP Beam 0	AMP 12 24kps	19.74	19.80	19.71	20.70
SCPP Beam 1	HS-DS-SS Subcar-1	18.67	18.68	18.70	19.70
SCPP Beam 2	HS-DS-SS Subcar-2	18.63	18.75	18.80	19.70
SCPP Beam 3	HS-DS-SS Subcar-3	18.55	18.60	18.60	19.70
SCPP Beam 4	HS-DS-SS Subcar-4	18.81	18.50	18.50	19.50
SCPP Beam 5	HS-DS-SS Subcar-5	18.66	18.71	18.67	19.50
SCPP Beam 6	DCH-DS-SS Subcar-1	18.50	18.50	18.00	19.70
SCPP Beam 7	DCH-DS-SS Subcar-2	18.13	18.17	18.00	19.70
SCPP Beam 8	DCH-DS-SS Subcar-3	18.66	18.70	18.50	19.50
SCPP Beam 9	DCH-DS-SS Subcar-4	18.72	18.60	18.50	19.50
SCPP Beam 10	HS-PA Subcar-1	18.06	19.04	18.80	19.70
SCPP Beam 11	HS-PA Subcar-2	17.26	17.59	17.50	17.00
SCPP Beam 12	HS-PA Subcar-3	18.20	18.31	18.21	18.70
SCPP Beam 13	HS-PA Subcar-4	17.26	17.33	17.10	17.00
SCPP Beam 14	HS-PA Subcar-5	18.23	18.20	18.19	19.70
SCPP Beam 15	RFP1 (WCDMA) Subcar-1	18.24	18.64	18.67	17.00



Band 42 FCC Part27Q Ant2 DSI 7

Bin (MHz)	Modulation	RB Sca	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up bin (dBm)	MPP (dB)
Channel								
Frequency (MHz)				3454	3494	3534		
20	QPSK	1	0	15.89	15.92	15.81		
20	QPSK	1	48	15.91	15.95	15.84	16.7	0
20	QPSK	1	99	15.91	15.92	15.88		
20	QPSK	50	0	15.84	15.92	15.89		
20	QPSK	50	24	15.81	15.82	15.82	16.7	0
20	QPSK	50	48	15.85	15.82	15.82		
20	QPSK	100	0	15.83	15.92	15.74		
20	HQAM	1	0	15.82	15.89	15.83		
20	HQAM	1	48	15.83	15.88	15.79	16.7	0
20	HQAM	1	99	15.80	15.91	15.79		
20	HQAM	50	0	15.86	15.91	15.86		
20	HQAM	50	24	15.85	15.82	15.78	16.7	0
20	HQAM	50	48	15.84	15.81	15.71		
20	HQAM	100	0	15.79	15.82	15.82		
20	HQAM	1	0	15.85	15.92	15.77		
20	HQAM	1	48	15.80	15.89	15.74	16.7	0
20	HQAM	1	99	15.83	15.88	15.81		
20	HQAM	50	0	15.80	15.90	15.81		
20	HQAM	50	24	15.84	15.90	15.75	16.7	0
20	HQAM	50	48	15.83	15.84	15.80		
20	HQAM	100	0	15.83	15.92	15.80		
20	SBOAM	1	0	15.83	15.86	15.73		
20	SBOAM	1	48	15.81	15.91	15.87	16.7	0
20	SBOAM	1	99	15.79	15.93	15.77		
20	SBOAM	50	0	15.82	15.82	15.88		
20	SBOAM	50	24	15.80	15.90	15.74	16.7	0
20	SBOAM	50	48	15.79	15.87	15.88		
20	SBOAM	100	0	15.79	15.88	15.83		
Channel								
Frequency (MHz)				3466	3499	3531		
15	QPSK	1	0	15.73	15.92	15.71		
15	QPSK	1	37	15.85	15.91	15.90	16.7	0
15	QPSK	1	74	15.83	15.91	15.77		
15	QPSK	36	0	15.78	15.89	15.88		
15	QPSK	36	20	15.76	15.79	15.71	16.7	0
15	QPSK	36	39	15.79	15.78	15.71		
15	QPSK	75	0	15.79	15.81	15.71		
15	HQAM	1	0	15.78	15.84	15.72		
15	HQAM	1	37	15.73	15.78	15.71	16.7	0
15	HQAM	1	74	15.76	15.78	15.87		
15	HQAM	36	0	15.77	15.85	15.75		
15	HQAM	36	20	15.74	15.85	15.87	16.7	0
15	HQAM	36	39	15.71	15.91	15.87		
15	HQAM	75	0	15.72	15.84	15.78		
15	HQAM	1	0	15.73	15.88	15.87		
15	HQAM	1	37	15.75	15.83	15.70	16.7	0
15	HQAM	1	74	15.77	15.81	15.99		
15	HQAM	36	0	15.73	15.82	15.74		
15	HQAM	36	20	15.81	15.89	15.69	16.7	0
15	HQAM	36	39	15.77	15.88	15.71		
15	HQAM	75	0	15.73	15.92	15.72		
15	SBOAM	1	0	15.80	15.91	15.81	16.7	0
15	SBOAM	1	37	15.75	15.85	15.70		
15	SBOAM	1	74	15.87	15.81	15.71		
15	SBOAM	36	0	15.75	15.87	15.81		
15	SBOAM	36	20	15.72	15.77	15.84	16.7	0
15	SBOAM	36	39	15.75	15.78	15.78		
15	SBOAM	75	0	15.67	15.77	15.78		
Channel								
Frequency (MHz)				3460	3495	3545		
10	QPSK	1	0	15.81	15.86	15.71		
10	QPSK	1	25	15.81	15.91	15.88	16.7	0
10	QPSK	1	49	15.85	15.87	15.78		
10	QPSK	35	0	15.75	15.83	15.82		
10	QPSK	25	12	15.70	15.78	15.72	16.7	0
10	QPSK	25	25	15.81	15.87	15.88		
10	QPSK	10	0	15.75	15.77	15.84		
10	HQAM	1	0	15.79	15.83	15.72		
10	HQAM	1	25	15.71	15.77	15.89	16.7	0
10	HQAM	1	49	15.73	15.84	15.89		
10	HQAM	25	0	15.76	15.82	15.76		
10	HQAM	25	12	15.76	15.83	15.96	16.7	0
10	HQAM	25	25	15.80	15.82	15.83		
10	HQAM	50	0	15.71	15.82	15.77		
10	HQAM	1	0	15.80	15.81	15.68		
10	HQAM	1	25	15.89	15.80	15.83	16.7	0
10	HQAM	25	0	15.75	15.82	15.74		
10	HQAM	25	12	15.79	15.83	15.70	16.7	0
10	HQAM	25	25	15.80	15.74	15.78		
10	HQAM	50	0	15.77	15.87	15.74		
10	SBOAM	1	0	15.74	15.96	15.68		
10	SBOAM	1	25	15.75	15.82	15.74	16.7	0
10	SBOAM	1	49	15.73	15.85	15.73		
10	SBOAM	25	0	15.74	15.87	15.88		
10	SBOAM	25	12	15.76	15.80	15.84	16.7	0
10	SBOAM	25	25	15.73	15.92	15.83		
10	SBOAM	50	0	15.74	15.82	15.73		
Channel								
Frequency (MHz)				3462.5	3501	3547.5		
5	QPSK	1	0	15.85	15.91	15.71		
5	QPSK	1	15	15.81	15.84	15.86	16.7	0
5	QPSK	1	24	15.87	15.89	15.83		
5	QPSK	12	0	15.79	15.89	15.86		
5	QPSK	12	7	15.69	15.77	15.78	16.7	0
5	QPSK	12	13	15.80	15.78	15.89		
5	QPSK	25	0	15.74	15.78	15.79		
5	HQAM	1	0	15.73	15.78	15.79		
5	HQAM	1	12	15.71	15.81	15.89	16.7	0
5	HQAM	1	24	15.75	15.83	15.83		
5	HQAM	12	0	15.75	15.85	15.83		
5	HQAM	12	7	15.81	15.84	15.88	16.7	0
5	HQAM	12	13	15.79	15.84	15.82		
5	HQAM	25	0	15.75	15.88	15.74		
5	HQAM	1	0	15.75	15.83	15.74		
5	HQAM	1	12	15.73	15.79	15.84	16.7	0
5	HQAM	1	24	15.74	15.76	15.89		
5	HQAM	12	0	15.76	15.78	15.74		
5	HQAM	12	7	15.78	15.73	15.86	16.7	0
5	HQAM	12	13	15.79	15.75	15.88		
5	HQAM	25	0	15.75	15.88	15.71		
5	SBOAM	1	0	15.72	15.90	15.88		
5	SBOAM	1	12	15.70	15.82	15.76	16.7	0
5	SBOAM	1	24	15.68	15.88	15.70		
5	SBOAM	12	0	15.71	15.86	15.86		
5	SBOAM	12	7	15.67	15.77	15.83	16.7	0
5	SBOAM	12	13	15.69	15.78	15.77		
5	SBOAM	25	0	15.68	15.82	15.71		



Downlink CA Power

2CA DL

CA List	PCC									SCC				Power		
	LTE	BW	BW	UL	UL	ULF	UL	DL Antenna Configuration	DL	DL	DL Antenna Configuration	W/o CA	Without CA			
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB							RB Offset	Band	(MHz)
CA_3C	Band 38	Ant 1	20M	2580	3780	QPSK	1	0	4xMIMO	Band 38	20M	2590.8	38048	4xMIMO	23.07	23.12
CA_41A-4DA	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 42	20M	3520	42590	4xMIMO	23.11	23.14
	Band 42	Ant 2	20M	3520	42590	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	22.36	23.03
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.65	22.70
CA_5A-7A	Band 5	Ant 4	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	21.06	21.15
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.65	22.79
CA_7A-7A	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	22.71	22.79
CA_7B	Band 7	Ant 1	15M	2536	21100	QPSK	1	0	4xMIMO	Band 7	5M	2544.3	3183	4xMIMO	22.69	22.79
CA_7C	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2554.6	3296	4xMIMO	22.87	22.79
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	3695	676.5		22.66	22.79
CA_7A-26A	Band 26	Ant 0	15M	631.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.59	22.60
	Band 26	Ant 4	15M	631.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	21.15	21.19



3CA DL

3CA List	PCC										SCC1				SCC2				Power		
	LTE Band	BW	BW	UL	UL	Mod.	ULF	UL	DL Antenna Configuration	LTE Band	BW	DL	DL	DL Antenna Configuration	LTE Band	BW	DL	DL	DL Antenna Configuration	11.9 CA	Without CA
	Ant	(MHz)	(MHz)	Freq. Channel (MHz)	RB		RB Offset	Freq. Channel (MHz)		Freq. Channel (MHz)	Freq. Channel (MHz)	Freq. Channel (MHz)	Tx. Power (dBm)		Tx. Power (dBm)						
CA_41A-41A-41A	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2687.5	41965	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	23.11	23.14
CA_41A-42C	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42768	4x4MIMO	23.09	23.14
	Band 42	Ant 2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42768	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	22.06	23.02
CA_41C-42A	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	23.13	23.14
	Band 42	Ant 2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.92	23.02



4CA DL

Configure	PCC										SCC1				SCC2				SCC3				Power			
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. Channel (MHz)	RB		RB Offset	Band		(MHz)	Freq. Channel (MHz)	Band	(MHz)		Freq. Channel (MHz)	Band	(MHz)	Freq. Channel (MHz)		Band	(MHz)	Freq. Channel (MHz)	Tx Power (dBm)		Tx Power (dBm)	
CA_41A-41C	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2547.5	41265	4x4MIMO	Band 41	20M	2506	39795	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	23.10	23.14
CA_41A-41D	Band 41	Ant 1	20M	2506	39795	QPSK	1	0	4x4MIMO	Band 41	20M	2540.4	41264	4x4MIMO	Band 41	20M	2650.2	41292	4x4MIMO	Band 41	20M	2680	41460	4x4MIMO	23.11	23.14
CA_41C-41C	Band 41	Ant 1	20M	2506	39795	QPSK	1	0	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	Band 41	20M	2650.2	41292	4x4MIMO	Band 41	20M	2680	41460	4x4MIMO	23.08	23.14
CA_41C-42C	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	23.05	23.14
	Band 42	Ant 2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.31	23.02
CA_41E	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	22.12	22.14



UL CA power

Full Power&DS12

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.65	24.00
21100	21298	QPSK	1	99	1	0	22.68	24.00
21350	21152	QPSK	1	0	1	99	22.54	24.00

Full Power&DS12&DS16

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.59	24.00
37901	38099	QPSK	1	99	1	0	22.7	24.00
38150	37952	QPSK	1	0	1	99	22.54	24.00



Full Power&DS12&DS13&DS17&DS16

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	15.98	17.00
40185	40383	QPSK	1	99	1	0	15.89	17.00
40620	40818	QPSK	1	99	1	0	16.01	17.00
41055	41253	QPSK	1	99	1	0	15.95	17.00
41490	41292	QPSK	1	0	1	99	15.94	17.00

Full Power

CA_42C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.48	24.00
42590	42788	QPSK	1	99	1	0	22.51	24.00
42990	42792	QPSK	1	0	1	99	22.45	24.00



UL CA power

DSI 3

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.01	22.00
21100	21298	QPSK	1	99	1	0	21.08	22.00
21350	21152	QPSK	1	0	1	99	21.04	22.00

DSI 3

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.94	23.00
37901	38099	QPSK	1	99	1	0	22.05	23.00
38150	37952	QPSK	1	0	1	99	21.88	23.00

DSI 7

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.48	21.80
21100	21298	QPSK	1	99	1	0	20.65	21.80
21350	21152	QPSK	1	0	1	99	20.52	21.80

DSI 7

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.05	22.40
37901	38099	QPSK	1	99	1	0	21.12	22.40
38150	37952	QPSK	1	0	1	99	21.07	22.40

DSI 6

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.01	22.00
21100	21298	QPSK	1	99	1	0	21.08	22.00
21350	21152	QPSK	1	0	1	99	21.04	22.00



DSI 2

CA_42C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	18.22	19.80
42590	42788	QPSK	1	99	1	0	18.41	19.80
42990	42792	QPSK	1	0	1	99	18.19	19.80

DSI 3

CA_42C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	17.51	19.40
42590	42788	QPSK	1	99	1	0	17.65	19.40
42990	42792	QPSK	1	0	1	99	17.48	19.40

DSI 7

CA_42C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	15.77	16.70
42590	42788	QPSK	1	99	1	0	15.82	16.70
42990	42792	QPSK	1	0	1	99	15.71	16.70

DSI 6

CA_42C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.17	22.00
42590	42788	QPSK	1	99	1	0	20.22	22.00
42990	42792	QPSK	1	0	1	99	20.15	22.00



n5 Ant0 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				16730	836.5			
25	PI2 BPSK	1	1	23.14			24.0	0.0
25	PI2 BPSK	1	67	22.93				
25	PI2 BPSK	1	131	23.20				
25	PI2 BPSK	64	0	22.44			23.5	0.5
25	PI2 BPSK	64	35	22.87			24.0	0.0
25	PI2 BPSK	64	69	22.45			23.5	0.5
25	PI2 BPSK	128	0	22.46				
25	QPSK	1	1	23.24			24.0	0.0
25	QPSK	1	67	22.93				
25	QPSK	1	131	23.17				
25	QPSK	64	0	21.99			23.0	1.0
25	QPSK	64	35	22.98			24.0	0.0
25	QPSK	64	69	22.05			23.0	1.0
25	QPSK	128	0	22.00				
25	16QAM	1	1	22.42			23.0	1.0
25	64QAM	1	1	20.88			21.5	2.5
25	256QAM	1	1	18.87			19.5	4.5
Channel								
Frequency (MHz)				16800	16730	16780	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.18	23.13	23.17	0.0	0.0
Channel								
Frequency (MHz)				16630	16730	16830	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	831.5	836.5	841.5	24.0	0.0
Channel								
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.15	23.15	23.19	24.0	0.0
Channel								
Frequency (MHz)				16530	16730	16930	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.13	23.20	23.13	24.0	0.0

Full&Default Power Mode

n26 Ant0 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				16400	824	831.5	839	
20	PI2 BPSK	1	1	22.44	22.50	22.34	24.0	0.0
20	PI2 BPSK	1	53	22.54	22.53	22.46		
20	PI2 BPSK	1	104	22.46	22.54	22.45		
20	PI2 BPSK	50	0	21.90	22.05	21.94	23.5	0.5
20	PI2 BPSK	50	28	22.49	22.54	22.43	24.0	0.0
20	PI2 BPSK	50	56	22.03	22.10	21.94		
20	PI2 BPSK	100	0	21.97	22.09	21.97	23.5	0.5
20	QPSK	1	1	22.72	22.91	22.53	24.0	0.0
20	QPSK	1	53	22.48	22.55	22.48		
20	QPSK	1	104	22.47	22.53	22.40		
20	QPSK	50	0	21.30	21.52	21.36	23.0	1.0
20	QPSK	50	28	22.48	22.53	22.37	24.0	0.0
20	QPSK	50	56	21.45	21.53	21.55	23.0	1.0
20	QPSK	100	0	21.48	21.54	21.48		
20	16QAM	1	1	21.47	21.60	21.49	23.0	1.0
20	64QAM	1	1	20.02	20.10	19.95	21.5	2.5
20	256QAM	1	1	18.24	18.22	18.13	19.5	4.5
Channel								
Frequency (MHz)				16300	16300	16300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.63	22.66	22.50	24.0	0.0
Channel								
Frequency (MHz)				16380	16300	16380	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	819	831.5	844	24.0	0.0
Channel								
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.68	22.80	22.48	24.0	0.0

n71 Ant0 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				13500	678	680.5	683	
30	PI2 BPSK	1	1	23.08	23.13	23.10	24.0	0.0
30	PI2 BPSK	1	80	22.77	22.83	22.79		
30	PI2 BPSK	1	158	22.81	22.87	22.86		
30	PI2 BPSK	80	0	22.37	22.45	22.44	23.5	0.5
30	PI2 BPSK	80	40	22.86	22.94	22.86	24.0	0.0
30	PI2 BPSK	80	80	22.83	22.88	22.73		
30	PI2 BPSK	160	0	22.33	22.47	22.33	23.5	0.5
30	QPSK	1	1	23.14	23.22	23.14	24.0	0.0
30	QPSK	1	80	22.84	22.92	22.77		
30	QPSK	1	158	22.87	22.91	22.85		
30	QPSK	80	0	21.89	21.95	21.95	23.0	1.0
30	QPSK	80	40	22.84	22.90	22.85	24.0	0.0
30	QPSK	80	80	21.89	21.85	21.82	23.0	1.0
30	QPSK	160	0	21.88	21.95	21.82		
30	16QAM	1	1	22.21	22.34	22.17	23.0	1.0
30	64QAM	1	1	20.73	20.86	20.83	21.5	2.5
30	256QAM	1	1	18.79	18.84	18.70	19.5	4.5
Channel								
Frequency (MHz)				13570	13610	13710	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	23.02	23.17	23.06	24.0	0.0
Channel								
Frequency (MHz)				13460	13610	13760	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	673	680.5	688	24.0	0.0
Channel								
Frequency (MHz)				670.5	680.5	685.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.03	23.13	23.07	24.0	0.0
Channel								
Frequency (MHz)				13360	13610	13860	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.04	23.12	23.07	24.0	0.0
Channel								
Frequency (MHz)				13310	13610	13910	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.01	23.18	23.02	24.0	0.0



n7 Ant1 Default

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50500	50700	51000		
Frequency (MHz)				2620	2635	2650		
40	PI2 BPSK	1	1	23.08	23.21	23.13		
40	PI2 BPSK	1	108	23.07	23.19	23.16	24.0	0.0
40	PI2 BPSK	1	214	23.20	23.23	23.14		
40	PI2 BPSK	108	0	22.68	22.67	22.58	23.5	0.5
40	PI2 BPSK	108	54	23.04	23.10	23.01	24.0	0.0
40	PI2 BPSK	108	108	22.57	22.63	22.61	23.5	0.5
40	PI2 BPSK	216	0	22.60	22.67	22.65		
40	QPSK	1	1	23.19	23.24	23.20		
40	QPSK	1	108	23.11	23.21	23.07	24.0	0.0
40	QPSK	1	214	23.06	23.19	23.11		
40	QPSK	108	0	22.04	22.14	22.00	23.0	1.0
40	QPSK	108	54	23.06	23.16	23.05	24.0	0.0
40	QPSK	108	108	22.06	22.19	22.17	23.0	1.0
40	QPSK	216	0	22.11	22.17	22.09		
40	16QAM	1	1	22.24	22.35	22.25	23.0	1.0
40	84QAM	1	1	20.72	20.84	20.81	21.5	2.5
40	256QAM	1	1	18.75	18.87	18.84	19.5	4.5
Channel				50300	50700	51100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2615	2635	2655		
30	QPSK	1	1	23.08	23.21	23.11	24.0	0.0
Channel				50250	50700	51150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2635	2697.5		
25	QPSK	1	1	23.10	23.14	23.07	24.0	0.0
Channel				50200	50700	51200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2610	2635	2660		
20	PI2 BPSK	1	1	23.09	23.17	23.12	24.0	0.0
Channel				50150	50700	51250	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2607.5	2635	2662.5		
15	QPSK	1	1	23.15	23.20	23.10	24.0	0.0
Channel				50100	50700	51300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2605	2635	2665		
10	QPSK	1	1	23.15	23.12	23.17	24.0	0.0
Channel				50050	50700	51350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2602.5	2635	2667.5		
5	QPSK	1	1	23.12	23.14	23.07	24.0	0.0



n38 Ant1 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2590.02	2595	2599.98	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	23.10	23.18	23.03	
40	PI/2 BPSK	1	53	23.10	23.21	23.15	24.0
40	PI/2 BPSK	1	104	23.17	23.21	23.12	
40	PI/2 BPSK	50	0	22.73	22.71	22.81	23.5
40	PI/2 BPSK	50	28	23.00	23.15	23.12	24.0
40	PI/2 BPSK	50	56	22.54	22.89	22.71	23.5
40	PI/2 BPSK	100	0	22.61	22.68	22.52	
40	QPSK	1	1	23.15	23.22	23.19	
40	QPSK	1	53	23.04	23.18	23.05	24.0
40	QPSK	1	104	23.01	23.17	23.07	
40	QPSK	50	0	21.93	22.15	22.08	23.0
40	QPSK	50	28	23.14	23.18	23.04	24.0
40	QPSK	50	56	22.12	22.22	22.03	23.0
40	QPSK	100	0	22.13	22.21	22.00	23.0
40	16QAM	1	1	22.21	22.39	22.38	23.0
40	16QAM	1	1	20.91	20.91	20.82	21.5
40	256QAM	1	1	18.85	18.89	18.72	19.5
Channel				5170.02	5190.00	5209.98	
Frequency (MHz)				5170.02	5190.00	5209.98	
30	QPSK	1	1	23.09	23.18	23.11	24.0
Channel				516000	519000	520000	
Frequency (MHz)				516000	519000	520000	
20	QPSK	1	1	23.12	23.19	23.08	24.0
Channel				515502	519000	522498	
Frequency (MHz)				515502	519000	522498	
15	QPSK	1	1	23.03	23.09	23.05	24.0
Channel				515004	519000	522998	
Frequency (MHz)				515004	519000	522998	
10	QPSK	1	1	23.10	23.18	23.11	24.0

n41 Ant1 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2546.01	2552.99	2640	
Frequency (MHz)				2546.01	2552.99	2640	
100	PI/2 BPSK	1	1	23.00	23.18	23.16	
100	PI/2 BPSK	1	137	22.95	23.08	23.09	24.0
100	PI/2 BPSK	1	271	23.10	23.14	22.88	
100	PI/2 BPSK	135	0	22.46	22.55	22.38	23.5
100	PI/2 BPSK	135	69	22.88	23.03	22.96	24.0
100	PI/2 BPSK	135	138	22.45	22.54	22.45	23.5
100	PI/2 BPSK	270	0	22.51	22.57	22.38	
100	QPSK	1	1	23.14	23.25	23.12	
100	QPSK	1	137	23.05	23.07	23.04	24.0
100	QPSK	1	271	23.05	23.13	23.00	
100	QPSK	135	0	21.97	21.99	21.79	23.0
100	QPSK	135	69	23.07	23.16	23.03	24.0
100	QPSK	135	138	22.02	22.01	21.88	23.0
100	QPSK	270	0	21.98	22.10	21.88	23.0
100	16QAM	1	1	22.09	22.21	22.11	23.0
100	16QAM	1	1	20.66	20.64	20.59	21.5
100	256QAM	1	1	18.67	18.69	18.59	19.5
Channel				5060.00	5189.98	5299.98	
Frequency (MHz)				5060.00	5189.98	5299.98	
90	QPSK	1	1	23.06	23.19	23.02	24.0
Channel				507204	5189.98	5299.98	
Frequency (MHz)				507204	5189.98	5299.98	
80	QPSK	1	1	23.03	23.20	22.98	24.0
Channel				506202	5189.98	531000	
Frequency (MHz)				506202	5189.98	531000	
70	QPSK	1	1	23.01	23.15	23.07	24.0
Channel				505200	5189.98	5319.98	
Frequency (MHz)				505200	5189.98	5319.98	
60	QPSK	1	1	23.05	23.18	23.07	24.0
Channel				504204	5189.98	5329.98	
Frequency (MHz)				504204	5189.98	5329.98	
50	QPSK	1	1	23.07	23.18	23.00	24.0
Channel				503202	5189.98	5330.00	
Frequency (MHz)				503202	5189.98	5330.00	
40	QPSK	1	1	23.02	23.21	23.04	24.0
Channel				502200	5189.98	5349.98	
Frequency (MHz)				502200	5189.98	5349.98	
30	QPSK	1	1	23.05	23.21	23.02	24.0
Channel				501204	5189.98	5359.98	
Frequency (MHz)				501204	5189.98	5359.98	
20	QPSK	1	1	23.11	23.12	23.02	24.0
Channel				500700	5189.98	5364.98	
Frequency (MHz)				500700	5189.98	5364.98	
15	QPSK	1	1	23.05	23.15	23.00	24.0
Channel				500202	5189.98	537000	
Frequency (MHz)				500202	5189.98	537000	
10	QPSK	1	1	23.04	23.15	23.03	24.0



Part270 n77 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.76	22.90	22.90		
100	PI2 BPSK	1	137	22.79	22.97	22.77		0.0
100	PI2 BPSK	1	271	23.17	23.15	22.99		
100	PI2 BPSK	135	0	22.82	22.87	22.87	24.0	0.0
100	PI2 BPSK	135	69	22.76	22.86	22.86	24.0	0.0
100	PI2 BPSK	135	138	22.82	22.94	22.75	24.0	0.0
100	PI2 BPSK	270	0	22.73	22.88	22.79		
100	QPSK	1	1	22.77	22.26	23.24		
100	QPSK	1	137	23.02	23.14	23.15	24.0	0.0
100	QPSK	1	271	23.18	23.24	23.21		
100	QPSK	135	0	22.88	23.00	22.81	24.0	0.0
100	QPSK	135	69	22.80	23.01	22.80	24.0	0.0
100	QPSK	135	138	22.99	22.98	22.83	24.0	0.0
100	QPSK	270	0	22.96	22.95	22.88		
100	16QAM	1	1	22.98	23.05	22.83	24.0	0.0
100	16QAM	1	1	22.99	23.06	22.87	24.0	0.0
100	256QAM	1	1	21.32	21.51	21.37	22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.65	23.17	23.10	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.53	23.17	23.10	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.70	23.21	23.12	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.70	23.18	23.18	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.88	23.19	23.22	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.65	23.23	23.13	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.67	23.16	23.12	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.73	23.14	23.13	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.74	23.16	23.18	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.71	23.22	23.16	24.0	0.0

Part270 n77 PC2 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	25.88	26.06	26.05		
100	PI2 BPSK	1	137	26.14	26.18	26.01	27.0	0.0
100	PI2 BPSK	1	271	26.15	26.22	26.10		
100	PI2 BPSK	135	0	25.46	25.57	25.38	26.5	0.5
100	PI2 BPSK	135	69	26.00	26.10	26.01	27.0	0.0
100	PI2 BPSK	135	138	25.33	25.52	25.50	26.5	0.5
100	PI2 BPSK	270	0	25.39	25.59	25.44		
100	QPSK	1	1	25.95	26.25	26.13		
100	QPSK	1	137	25.98	26.01	25.99	27.0	0.0
100	QPSK	1	271	25.84	25.87	25.83		
100	QPSK	135	0	24.91	25.06	24.92	26.0	1.0
100	QPSK	135	69	25.83	25.92	25.86	27.0	0.0
100	QPSK	135	138	24.79	24.90	24.78	26.0	1.0
100	QPSK	270	0	24.96	24.97	24.92		
100	16QAM	1	1	25.20	25.20	25.05	26.0	1.0
100	16QAM	1	1	23.52	23.71	23.58	24.5	2.5
100	256QAM	1	1	21.63	21.65	21.56	22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.86	26.12	26.02	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.89	26.13	26.04	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.93	26.23	26.10	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.86	26.16	26.11	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.83	26.13	26.11	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.84	26.13	26.07	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.89	26.14	26.07	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.81	26.14	26.10	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.82	26.11	26.11	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.91	26.22	26.04	27.0	0.0

Part270 n78 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		22.96			
100	PI2 BPSK	1	137		22.96		24.0	0.0
100	PI2 BPSK	1	271		22.96			
100	PI2 BPSK	135	0		22.90		24.0	0.0
100	PI2 BPSK	135	69		22.87		24.0	0.0
100	PI2 BPSK	135	138		22.86		24.0	0.0
100	PI2 BPSK	270	0		22.90			
100	QPSK	1	1		23.07			
100	QPSK	1	137		22.96		24.0	0.0
100	QPSK	1	271		22.91			
100	QPSK	135	0		22.88		24.0	0.0
100	QPSK	135	69		22.91		24.0	0.0
100	QPSK	135	138		22.74		24.0	0.0
100	QPSK	270	0		22.88			
100	16QAM	1	1		23.05		24.0	0.0
100	16QAM	1	1		23.01		24.0	0.0
100	256QAM	1	1		21.51		22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.01	23.00	22.95	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.01	23.01	22.92	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.01	22.99	23.03	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.95	22.97	23.05	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.01	23.01	22.93	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.05	22.97	22.96	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.03	22.96	23.05	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.05	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.94	22.99	23.04	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.02	23.00	23.05	24.0	0.0



Part270 n78 PC2 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		25.93				
100	PI/2 BPSK	1	137		25.92		27.0	0.0	
100	PI/2 BPSK	1	271		25.89				
100	PI/2 BPSK	135	0		25.32		28.5	0.5	
100	PI/2 BPSK	135	69		25.83		27.0	0.0	
100	PI/2 BPSK	135	138		25.32				
100	PI/2 BPSK	270	0		25.34				
100	QPSK	1	1		26.03				
100	QPSK	1	137		26.02		27.0	0.0	
100	QPSK	1	271		25.97				
100	QPSK	135	0		24.90		28.0	1.0	
100	QPSK	135	69		25.88		27.0	0.0	
100	QPSK	135	138		24.80				
100	QPSK	270	0		24.91		28.0	1.0	
100	16QAM	1	1		25.05		28.0	1.0	
100	16QAM	1	1		23.63		24.5	2.5	
100	256QAM	1	1		21.51		22.5	4.5	
Channel				649688	650000	650334		MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.99	25.95	25.91	27.0	0.0
Channel				649334	650000	650668		MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.94	25.89		27.0	0.0
Channel				649000	650000	651000		MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.98	25.89	25.96	27.0	0.0
Channel				648668	650000	651334		MPR	
Frequency (MHz)				3730.02	3750	3730.01			
60	QPSK	1	1		28.00	25.98	25.97	27.0	0.0
Channel				648334	650000	651668		MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		28.01	25.98	25.95	27.0	0.0
Channel				648000	650000	652000		MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.95	25.94	25.90	27.0	0.0
Channel				647668	650000	652334		MPR	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		25.93	25.99	25.92	27.0	0.0
Channel				647334	650000	652668		MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		28.01	25.98	26.00	27.0	0.0
Channel				647168	650000	652334		MPR	
Frequency (MHz)				3707.52	3750	3782.51			
15	QPSK	1	1		25.98	25.92	25.95	27.0	0.0
Channel				647000	650000	653000		MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.90	25.91	25.95	27.0	0.0



n5 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				167900				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	22.24				
25	PI2 BPSK	1	67	22.22			24.0	0.0
25	PI2 BPSK	1	131	22.21				
25	PI2 BPSK	64	0	21.81			23.5	0.5
25	PI2 BPSK	64	35	22.15			24.0	0.0
25	PI2 BPSK	64	69	21.86			23.5	0.5
25	PI2 BPSK	128	0	21.90				
25	QPSK	1	1	22.46				
25	QPSK	1	67	22.40			24.0	0.0
25	QPSK	1	131	22.41				
25	QPSK	64	0	21.30			23.0	1.0
25	QPSK	64	35	22.15			24.0	0.0
25	QPSK	64	69	21.21			23.0	1.0
25	QPSK	128	0	21.10				
25	16QAM	1	1	21.44			23.0	1.0
25	16QAM	1	1	19.83			21.5	2.5
25	256QAM	1	1	17.75			19.5	4.5
Channel				168800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.34	22.27	22.30	0.0	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.28	22.30	22.29	24.0	0.0
Channel				165900	167200	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.31	22.28	22.30	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.36	22.27	22.26	24.0	0.0

n7 For ENDC Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				507000	507000	510000		
Frequency (MHz)				2620	2635	2650		
40	PI2 BPSK	1	1	23.07	23.18	23.05		
40	PI2 BPSK	1	108	23.20	23.24	23.19	24.0	0.0
40	PI2 BPSK	1	214	23.09	23.14	23.08		
40	PI2 BPSK	108	0	22.82	22.88	22.84	23.5	0.5
40	PI2 BPSK	108	54	23.10	23.16	23.08	24.0	0.0
40	PI2 BPSK	108	108	22.51	22.84	22.53	23.5	0.5
40	PI2 BPSK	216	0	22.56	22.82	22.58		
40	QPSK	1	1	23.29	23.35	23.21		
40	QPSK	1	108	23.15	23.24	23.14	24.0	0.0
40	QPSK	1	214	23.18	23.21	23.17		
40	QPSK	108	0	22.12	22.18	22.06	23.0	1.0
40	QPSK	108	54	23.06	23.15	23.12	24.0	0.0
40	QPSK	108	108	21.95	22.08	22.01	23.0	1.0
40	QPSK	216	0	22.02	22.15	22.09		
40	16QAM	1	1	22.16	22.30	22.28	23.0	1.0
40	16QAM	1	1	20.66	20.78	20.71	21.5	2.5
40	256QAM	1	1	18.74	18.79	18.71	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2615	2635	2655		
30	QPSK	1	1	23.19	23.27	23.11	24.0	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2612.5	2635	2657.5		
25	QPSK	1	1	23.24	23.22	23.15	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2610	2635	2660		
20	PI2 BPSK	1	1	23.23	23.27	23.09	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2607.5	2635	2662.5		
15	QPSK	1	1	23.27	23.23	23.19	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2605	2635	2665		
10	QPSK	1	1	23.22	23.32	23.17	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2602.5	2635	2667.5		
5	QPSK	1	1	23.18	23.23	23.11	24.0	0.0

n26 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	21.36	21.50	21.45		
20	PI2 BPSK	1	53	21.28	21.42	21.31	23.0	0.0
20	PI2 BPSK	1	104	21.32	21.35	21.29		
20	PI2 BPSK	50	0	20.83	20.87	20.77	22.5	0.5
20	PI2 BPSK	50	28	21.16	21.29	21.22	23.0	0.0
20	PI2 BPSK	50	56	20.89	20.95	20.84	22.5	0.5
20	PI2 BPSK	100	0	20.87	20.93	20.79		
20	QPSK	1	1	21.85	21.99	21.88		
20	QPSK	1	53	21.90	21.92	21.82	23.0	0.0
20	QPSK	1	104	21.31	21.43	21.39		
20	QPSK	50	0	20.31	20.40	20.32	22.0	1.0
20	QPSK	50	28	21.28	21.34	21.32	23.0	0.0
20	QPSK	50	56	20.37	20.48	20.42	22.0	1.0
20	QPSK	100	0	20.41	20.46	20.42		
20	16QAM	1	1	20.51	20.62	20.51	22.0	1.0
20	16QAM	1	1	18.99	19.08	19.05	20.5	2.5
20	256QAM	1	1	17.22	17.25	17.16	18.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.51	21.56	21.44	23.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	21.53	21.51	21.40	23.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.46	21.53	21.35	23.0	0.0



n71 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				136600	136100	136600		
Frequency (MHz)				678	680.5	683		
30	PI/2 BPSK	1	1	22.94	23.01	22.96		
30	PI/2 BPSK	1	80	22.72	22.93	22.80	24.0	0.0
30	PI/2 BPSK	1	158	22.75	22.92	22.77		
30	PI/2 BPSK	80	0	22.35	22.41	22.29	23.5	0.5
30	PI/2 BPSK	80	40	22.80	22.85	22.77	24.0	0.0
30	PI/2 BPSK	80	80	22.76	22.80	22.71		
30	PI/2 BPSK	160	0	22.36	22.31	22.37		
30	QPSK	1	1	22.95	23.09	23.04		
30	QPSK	1	80	22.87	23.00	22.88	24.0	0.0
30	QPSK	1	158	22.92	22.95	22.92		
30	QPSK	80	0	21.80	21.93	21.91	23.0	1.0
30	QPSK	80	40	22.80	22.88	22.74	24.0	0.0
30	QPSK	80	80	21.72	21.77	21.87		
30	QPSK	160	0	21.84	21.88	21.81	23.0	1.0
30	16QAM	1	1	22.20	22.32	22.17	23.0	1.0
30	16QAM	1	1	20.58	20.70	20.89	21.5	2.5
30	256QAM	1	1	18.76	18.91	18.87	19.5	4.5
Channel				137100	137100	137100		
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	22.80	22.96	22.88	24.0	0.0
Channel				134600	136100	137600		
Frequency (MHz)				672	680.5	688		
20	QPSK	1	1	22.80	23.02	22.97	24.0	0.0
Channel				134100	135100	136100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.88	22.96	22.99	24.0	0.0
Channel				133600	136100	136600		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.85	23.00	22.99	24.0	0.0
Channel				133100	136100	136100		
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.87	22.94	22.98	24.0	0.0



Part270 n77 Ant5 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.21	18.28	18.23		
100	PI2 BPSK	1	137	18.24	18.27	18.23		0.0
100	PI2 BPSK	1	271	18.14	18.24	18.16		
100	PI2 BPSK	135	0	18.12	18.22	18.20	19.0	0.0
100	PI2 BPSK	135	69	18.15	18.17	18.04	19.0	0.0
100	PI2 BPSK	135	138	17.99	18.09	18.04	19.0	0.0
100	PI2 BPSK	270	0	18.11	18.14	18.03		
100	QPSK	1	1	18.24	18.28	18.28		
100	QPSK	1	137	18.16	18.25	18.18	19.0	0.0
100	QPSK	1	271	18.20	18.31	18.24		
100	QPSK	135	0	18.14	18.17	18.06	19.0	0.0
100	QPSK	135	69	18.07	18.19	18.11	19.0	0.0
100	QPSK	135	138	18.05	18.09	18.07	19.0	0.0
100	QPSK	270	0	18.12	18.15	18.07		
100	16QAM	1	1	18.01	18.11	18.06	19.0	0.0
100	16QAM	1	1	17.31	17.43	17.34	19.0	0.0
100	256QAM	1	1	15.93	15.98	15.90	17.5	1.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.19	18.32	18.24	19.0	0.0
Channel								
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3740.01	3840	3940.02		
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.12	18.29	18.22	19.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3725.01	3840	3955.02		
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.11	18.32	18.24	19.0	0.0
Channel								
Frequency (MHz)				647668	650000	651334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3710.02	3840	3970.01		
Channel								
Frequency (MHz)				647334	650000	650968	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.20	18.31	18.23	19.0	0.0
Channel								
Frequency (MHz)				647168	650000	650834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3705.02	3840	3975.01		
Channel								
Frequency (MHz)				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.14	18.23	18.21	19.0	0.0

Part270 n77 PC2 Ant5 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.13	21.17	21.17		
100	PI2 BPSK	1	137	20.96	21.11	21.04	22.0	0.0
100	PI2 BPSK	1	271	20.93	21.14	20.98		
100	PI2 BPSK	135	0	20.59	20.82	20.54	21.5	0.5
100	PI2 BPSK	135	69	20.98	20.99	20.98	22.0	0.0
100	PI2 BPSK	135	138	20.92	21.00	20.94	21.5	0.5
100	PI2 BPSK	270	0	20.55	20.52	20.55		
100	QPSK	1	1	21.16	21.33	21.28		
100	QPSK	1	137	21.08	21.15	21.04	22.0	0.0
100	QPSK	1	271	21.10	21.09	21.12		
100	QPSK	135	0	19.99	20.16	20.11	21.0	1.0
100	QPSK	135	69	21.01	21.05	20.92	22.0	0.0
100	QPSK	135	138	18.96	20.03	19.93	21.0	1.0
100	QPSK	270	0	20.03	20.07	20.02		
100	16QAM	1	1	20.37	20.49	20.33	21.0	1.0
100	16QAM	1	1	18.72	18.89	18.84	19.5	2.5
100	256QAM	1	1	16.95	17.13	17.13	17.5	4.5
Channel								
Frequency (MHz)				648968	650000	651034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.08	21.17	21.16	22.0	0.0
Channel								
Frequency (MHz)				649000	650000	650968	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.08	21.22	21.17	22.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.02	21.28	21.22	22.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.00	21.23	21.22	22.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.01	21.28	21.16	22.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.03	21.23	21.20	22.0	0.0
Channel								
Frequency (MHz)				647668	650000	651334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3710.02	3840	3970.01		
Channel								
Frequency (MHz)				647334	650000	650968	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.10	21.20	21.18	22.0	0.0
Channel								
Frequency (MHz)				647168	650000	650834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.02	21.27	21.18	22.0	0.0
Channel								
Frequency (MHz)				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.07	21.25	21.14	22.0	0.0

Part270 n78 Ant5 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	18.22				
100	PI2 BPSK	1	137	18.29			19.0	0.0
100	PI2 BPSK	1	271	18.26				
100	PI2 BPSK	135	0	18.24			19.0	0.0
100	PI2 BPSK	135	69	18.17			19.0	0.0
100	PI2 BPSK	135	138	18.21			19.0	0.0
100	PI2 BPSK	270	0	18.17				
100	QPSK	1	1	18.36				
100	QPSK	1	137	18.29			19.0	0.0
100	QPSK	1	271	18.31				
100	QPSK	135	0	18.25			19.0	0.0
100	QPSK	135	69	18.28			19.0	0.0
100	QPSK	135	138	18.21			19.0	0.0
100	QPSK	270	0	18.15				
100	16QAM	1	1	18.36			19.0	0.0
100	16QAM	1	1	17.29			19.0	0.0
100	256QAM	1	1	15.85			17.5	1.5
Channel								
Frequency (MHz)				648968	650000	651034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.24	18.35	18.25	19.0	0.0
Channel								
Frequency (MHz)				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.28	18.30	18.24	19.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.35	18.32	18.31	19.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.24	18.34	18.31	19.0	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.32	18.34	18.34	19.0	0.0
Channel								
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.27	18.35	18.31	19.0	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.24	18.35	18.30	19.0	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.25	18.25	18.32	19.0	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.31	18.34	18.25	19.0	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.33	18.27	18.33	19.0	0.0



Part270 n78 PC2 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.15				
100	PI/2 BPSK	1	137		21.20		22.0	0.0	
100	PI/2 BPSK	1	271		21.11		21.5	0.5	
100	PI/2 BPSK	135	0		20.81		22.0	0.0	
100	PI/2 BPSK	135	69		21.08		21.5	0.5	
100	PI/2 BPSK	135	138		20.73				
100	PI/2 BPSK	270	0		20.55				
100	QPSK	1	1		21.31				
100	QPSK	1	137		21.24		22.0	0.0	
100	QPSK	1	271		21.30				
100	QPSK	135	0		20.08		21.0	1.0	
100	QPSK	135	69		21.29		22.0	0.0	
100	QPSK	135	138		20.19				
100	QPSK	270	0		20.15		21.0	1.0	
100	16QAM	1	1		20.26		21.0	1.0	
100	16QAM	1	1		18.76		19.5	2.5	
100	256QAM	1	1		16.68		17.5	4.5	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	22.0	0.0	
90	QPSK	1	1		21.02	21.27	21.15	22.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	22.0	0.0	
80	QPSK	1	1		21.12	21.20	21.14	22.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	22.0	0.0	
70	QPSK	1	1		21.08	21.29	21.13	22.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3730.01	22.0	0.0	
60	QPSK	1	1		21.10	21.28	21.17	22.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	22.0	0.0	
50	QPSK	1	1		21.05	21.19	21.21	22.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	22.0	0.0	
40	QPSK	1	1		21.05	21.22	21.21	22.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3725.01	22.0	0.0	
30	QPSK	1	1		21.07	21.23	21.17	22.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	22.0	0.0	
20	QPSK	1	1		21.11	21.19	21.18	22.0	0.0
Channel				647168	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3782.51	22.0	0.0	
15	QPSK	1	1		21.06	21.28	21.20	22.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3785	22.0	0.0	
10	QPSK	1	1		21.10	21.28	21.13	22.0	0.0



Part270 n77 Ant7 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.17	19.23	19.30		
100	PI2 BPSK	1	137	19.22	19.33	19.24		0.0
100	PI2 BPSK	1	271	19.25	19.35	19.24		
100	PI2 BPSK	135	6	19.12	19.23	19.14	20.0	0.0
100	PI2 BPSK	135	69	19.17	19.23	19.18	20.0	0.0
100	PI2 BPSK	135	138	19.12	19.16	19.05	20.0	0.0
100	PI2 BPSK	270	0	19.17	19.22	19.10		
100	QPSK	1	1	19.30	19.49	19.27		
100	QPSK	1	137	19.39	19.34	19.34	20.0	0.0
100	QPSK	1	271	19.42	19.45	19.35		
100	QPSK	135	0	19.17	19.24	19.14	20.0	0.0
100	QPSK	135	69	19.24	19.32	19.28	20.0	0.0
100	QPSK	135	138	19.16	19.29	19.17	20.0	0.0
100	QPSK	270	0	19.14	19.15	19.08		
100	16QAM	1	1	19.26	19.39	19.28	20.0	0.0
100	16QAM	1	1	18.99	18.60	18.94	20.0	0.0
100	256QAM	1	1	17.09	17.14	17.09	18.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.26	19.47	19.31	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.29	19.37	19.22	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.25	19.35	19.45	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.25	19.43	19.29	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.27	19.38	19.25	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.27	19.43	19.20	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.33	19.45	19.27	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.36	19.37	19.27	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.34	19.37	19.29	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.37	19.41	19.31	20.0	0.0

Part270 n77 PC2 Ant7 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.47	22.46	22.27		
100	PI2 BPSK	1	137	22.32	22.47	22.32	23.0	0.0
100	PI2 BPSK	1	271	22.08	22.06	22.06		
100	PI2 BPSK	135	6	22.00	22.12	22.11	22.5	0.5
100	PI2 BPSK	135	69	22.30	22.40	22.25	23.0	0.0
100	PI2 BPSK	135	138	21.76	21.87	21.77	22.5	0.5
100	PI2 BPSK	270	0	21.95	21.92	21.93		
100	QPSK	1	1	22.46	22.62	22.45		
100	QPSK	1	137	22.47	22.59	22.44	23.0	0.0
100	QPSK	1	271	22.39	22.58	22.34		
100	QPSK	135	0	21.35	21.48	21.38	22.0	1.0
100	QPSK	135	69	22.18	22.37	22.15	23.0	0.0
100	QPSK	135	138	21.43	21.53	21.36	22.0	1.0
100	QPSK	270	0	21.22	21.29	21.11		
100	16QAM	1	1	21.43	21.55	21.30	22.0	1.0
100	16QAM	1	1	19.90	20.06	19.87	20.5	2.5
100	256QAM	1	1	17.94	18.04	17.83	18.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.39	22.58	22.31	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.37	22.55	22.31	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.38	22.49	22.35	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.42	22.48	22.34	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.36	22.53	22.30	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.38	22.57	22.37	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.37	22.55	22.31	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.40	22.50	22.31	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.43	22.51	22.37	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.43	22.47	22.38	23.0	0.0

Part270 n78 Ant7 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		19.32			
100	PI2 BPSK	1	137		19.27			0.0
100	PI2 BPSK	1	271		19.29			
100	PI2 BPSK	135	0		19.22		20.0	0.0
100	PI2 BPSK	135	69		19.19		20.0	0.0
100	PI2 BPSK	135	138		19.16		20.0	0.0
100	PI2 BPSK	270	0		19.18			
100	QPSK	1	1		19.42			
100	QPSK	1	137		19.35		20.0	0.0
100	QPSK	1	271		19.38			
100	QPSK	135	0		19.31		20.0	0.0
100	QPSK	135	69		19.39		20.0	0.0
100	QPSK	135	138		19.24		20.0	0.0
100	QPSK	270	0		19.17			
100	16QAM	1	1		19.40		20.0	0.0
100	16QAM	1	1		18.81		20.0	0.0
100	256QAM	1	1		17.37		18.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.37	19.29	19.30	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.31	19.33	19.36	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.37	19.36	19.39	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.37	19.33	19.37	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.39	19.38	19.38	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.37	19.29	19.31	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.30	19.32	19.30	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.38	19.34	19.39	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.30	19.34	19.38	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.37	19.32	19.39	20.0	0.0



Part270 n78 PC2 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.28				
100	PI/2 BPSK	1	137		22.30		23.0	0.0	
100	PI/2 BPSK	1	271		22.28				
100	PI/2 BPSK	135	0		21.87		22.5	0.5	
100	PI/2 BPSK	135	89		22.28		23.0	0.0	
100	PI/2 BPSK	135	138		21.78		22.5	0.5	
100	PI/2 BPSK	270	0		21.74				
100	QPSK	1	1		22.07				
100	QPSK	1	137		21.82		23.0	0.0	
100	QPSK	1	271		21.61				
100	QPSK	135	0		20.79		22.0	1.0	
100	QPSK	135	89		21.67		23.0	0.0	
100	QPSK	135	138		20.87		22.0	1.0	
100	QPSK	270	0		20.88				
100	16QAM	1	1		20.91		22.0	1.0	
100	16QAM	1	1		19.46		20.5	2.5	
100	256QAM	1	1		18.07		18.5	4.5	
Channel				649688	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.00	22.10	22.07	23.0	0.0
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.09	22.08	22.01	23.0	0.0
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.04	22.09	22.00	23.0	0.0
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3730.01			
60	QPSK	1	1		22.01	22.13	22.09	23.0	0.0
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.01	22.08	22.02	23.0	0.0
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.01	22.13	22.07	23.0	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		22.05	22.11	22.09	23.0	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.00	22.08	22.09	23.0	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
15	QPSK	1	1		22.03	22.09	22.11	23.0	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.07	22.17	22.08	23.0	0.0



Part270 n78 PC2 Ant11 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	25.65	25.65	25.65		
100	PI2 BPSK	1	137	25.51	25.51	25.51	27.0	0.0
100	PI2 BPSK	1	271	25.55	25.55	25.55	28.5	0.5
100	PI2 BPSK	135	0	25.01	25.01	25.01	27.0	0.0
100	PI2 BPSK	135	69	25.49	25.49	25.49	27.0	0.0
100	PI2 BPSK	135	138	24.95	24.95	24.95	28.5	0.5
100	PI2 BPSK	270	0	24.98	24.98	24.98		
100	QPSK	1	1	25.76	25.76	25.76		
100	QPSK	1	137	25.69	25.69	25.69	27.0	0.0
100	QPSK	1	271	25.65	25.65	25.65		
100	QPSK	135	0	24.65	24.65	24.65	28.0	1.0
100	QPSK	135	69	25.65	25.65	25.65	27.0	0.0
100	QPSK	135	138	24.42	24.42	24.42	28.0	1.0
100	QPSK	270	0	24.52	24.52	24.52		
100	16QAM	1	1	24.78	24.78	24.78	28.0	1.0
100	16QAM	1	1	23.25	23.25	23.25	24.5	2.5
100	256QAM	1	1	21.22	21.22	21.22	22.5	4.5
Channel				649688	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.69	25.73	25.68	27.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.85	25.88	25.72	27.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.70	25.67	25.66	27.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3739.01		
60	QPSK	1	1	25.65	25.65	25.70	27.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.62	25.71	25.70	27.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.70	25.69	25.73	27.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	25.63	25.70	25.64	27.0	0.0
Channel				647334	650000	653000		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.67	25.71	25.64	27.0	0.0
Channel				647000	650000	653334		
Frequency (MHz)				3705	3750	3795		
15	QPSK	1	1	25.73	25.65	25.71	27.0	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	25.73	25.73	25.71	27.0	0.0



Full&Default Power Mode Other PA

n5 Ant4 Other PA Default Sig Path 955									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel					167300				
Frequency (MHz)					836.5				
25	PI/2 BPSK	1	1		20.79				
25	PI/2 BPSK	1	67		20.74		22.0	0.0	
25	PI/2 BPSK	1	131		20.74				
25	PI/2 BPSK	64	0		20.31		21.5	0.5	
25	PI/2 BPSK	64	35		20.66		22.0	0.0	
25	PI/2 BPSK	64	69		20.38		21.5	0.5	
25	PI/2 BPSK	128	0		20.36				
25	QPSK	1	1		21.05				
25	QPSK	1	67		20.87		22.0	0.0	
25	QPSK	1	131		20.93				
25	QPSK	64	0		19.76		21.0	1.0	
25	QPSK	64	35		20.60		22.0	0.0	
25	QPSK	64	69		19.58		21.0	1.0	
25	QPSK	128	0		19.66				
25	16QAM	1	1		19.90		21.0	1.0	
25	64QAM	1	1		18.36		19.5	2.5	
25	256QAM	1	1		16.24		17.5	4.5	
Channel				166800	167300	167800			
Frequency (MHz)				831	836.5	839			
20	QPSK	1	1		20.87	20.80	20.81	0.0	0.0
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1		20.84	20.73	20.83	22.0	0.0
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1		20.96	20.76	20.75	22.0	0.0
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1		20.79	20.81	20.78	22.0	0.0

n5 Ant4 Other PA Default Sig Path 957									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel					167300				
Frequency (MHz)					836.5				
25	PI/2 BPSK	1	1		20.78				
25	PI/2 BPSK	1	67		20.68		22.0	0.0	
25	PI/2 BPSK	1	131		20.68				
25	PI/2 BPSK	64	0		20.36		22.0	0.0	
25	PI/2 BPSK	64	35		20.69		22.0	0.0	
25	PI/2 BPSK	64	69		20.32		22.0	0.0	
25	PI/2 BPSK	128	0		20.37				
25	QPSK	1	1		21.06				
25	QPSK	1	67		20.94		22.0	0.0	
25	QPSK	1	131		20.88				
25	QPSK	64	0		19.84		22.0	0.0	
25	QPSK	64	35		20.68		22.0	0.0	
25	QPSK	64	69		19.72		22.0	0.0	
25	QPSK	128	0		19.68				
25	16QAM	1	1		19.96		22.0	0.0	
25	64QAM	1	1		18.38		22.0	0.0	
25	256QAM	1	1		16.27		22.0	0.0	
Channel				166800	167300	167800			
Frequency (MHz)				831	836.5	839			
20	QPSK	1	1		20.87	20.77	20.80	0.0	0.0
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1		20.80	20.76	20.81	22.0	0.0
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1		20.80	20.75	20.77	22.0	0.0
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1		20.85	20.77	20.76	22.0	0.0



Reduced Power Mode for DSI2

n5 Ant0 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				167300	167300	167300		
Frequency (MHz)				834	836.5	839		
25	PI2 BPSK	1	1	23.14	22.93	23.17	24.0	0.0
25	PI2 BPSK	1	67	22.93	22.20	22.44	23.5	0.5
25	PI2 BPSK	1	131	22.44	22.87	22.87	24.0	0.0
25	PI2 BPSK	64	0	22.45	22.45	22.45	23.5	0.5
25	PI2 BPSK	128	0	22.48	22.48	22.48	23.0	1.0
25	QPSK	1	1	23.24	22.93	23.17	24.0	0.0
25	QPSK	1	67	22.93	22.17	22.47	23.0	1.0
25	QPSK	1	131	22.17	21.99	22.05	23.0	1.0
25	QPSK	64	35	22.98	22.05	22.05	23.0	1.0
25	QPSK	64	69	22.05	22.00	22.42	23.0	1.0
25	16QAM	1	1	22.42	20.88	20.88	21.5	2.5
25	64QAM	1	1	20.88	18.87	18.87	19.5	4.5
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.18	23.12	23.17	24.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.12	23.11	23.15	24.0	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.15	23.15	23.19	24.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.13	23.20	23.13	24.0	0.0

n26 Ant0 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.44	22.50	22.34	24.0	0.0
20	PI2 BPSK	1	53	22.54	22.53	22.48	23.5	0.5
20	PI2 BPSK	1	104	22.46	22.54	22.45	23.5	0.5
20	PI2 BPSK	50	0	21.90	22.05	21.94	24.0	0.0
20	PI2 BPSK	50	28	22.49	22.54	22.43	23.5	0.5
20	PI2 BPSK	50	58	22.09	22.10	21.94	23.0	1.0
20	PI2 BPSK	100	0	21.97	22.09	21.97	23.0	1.0
20	QPSK	1	1	22.72	22.91	22.53	24.0	0.0
20	QPSK	1	53	22.49	22.55	22.49	23.0	1.0
20	QPSK	1	104	22.47	22.53	22.48	23.0	1.0
20	QPSK	50	0	21.30	21.52	21.38	24.0	0.0
20	QPSK	50	28	22.48	22.53	22.37	24.0	0.0
20	QPSK	50	58	21.45	21.53	21.55	23.0	1.0
20	QPSK	100	0	21.49	21.54	21.48	23.0	1.0
20	16QAM	1	1	21.47	21.60	21.49	21.5	2.5
20	64QAM	1	1	20.02	20.10	19.95	19.5	4.5
Channel				164300	166300	168300		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.83	22.86	22.80	24.0	0.0
Channel				163800	165300	166800		
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.83	22.78	22.40	24.0	0.0
Channel				163300	165300	169300		
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.98	22.80	22.48	24.0	0.0

n71 Ant0 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				136600	136100	136600		
Frequency (MHz)				678	681.5	684		
30	PI2 BPSK	1	1	23.08	23.13	23.10	24.0	0.0
30	PI2 BPSK	1	80	22.77	22.83	22.79	23.5	0.5
30	PI2 BPSK	1	158	22.81	22.97	22.86	23.5	0.5
30	PI2 BPSK	80	0	22.37	22.45	22.44	24.0	0.0
30	PI2 BPSK	80	40	22.86	22.94	22.86	23.5	0.5
30	PI2 BPSK	80	83	22.83	22.89	22.73	23.0	1.0
30	PI2 BPSK	160	0	22.33	22.47	22.33	23.0	1.0
30	QPSK	1	1	23.14	23.02	23.14	24.0	0.0
30	QPSK	1	80	22.84	22.92	22.77	23.0	1.0
30	QPSK	1	158	22.87	22.91	22.85	23.0	1.0
30	QPSK	80	0	21.89	21.95	21.95	24.0	0.0
30	QPSK	80	40	22.84	22.90	22.85	24.0	0.0
30	QPSK	80	80	21.89	21.85	21.82	23.0	1.0
30	QPSK	160	0	21.88	21.95	21.82	23.0	1.0
30	16QAM	1	1	22.21	22.34	22.17	21.5	2.5
30	64QAM	1	1	20.73	20.86	20.83	19.5	4.5
Channel				135100	136100	137100		
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	23.02	23.07	23.00	24.0	0.0
Channel				134600	135100	135600		
Frequency (MHz)				673	680.5	688		
20	QPSK	1	1	23.09	23.15	23.09	24.0	0.0
Channel				134100	135100	138100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.03	23.13	23.07	24.0	0.0
Channel				133600	135100	138600		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.04	23.12	23.07	24.0	0.0
Channel				133100	135100	139100		
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.01	23.18	23.02	24.0	0.0



n7 Ant1 Default

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50500	50700	51000		
Frequency (MHz)				2620	2635	2650		
40	PI2 BPSK	1	1	23.08	23.21	23.13		
40	PI2 BPSK	1	108	23.07	23.19	23.16	24.0	0.0
40	PI2 BPSK	1	214	23.20	23.23	23.14		
40	PI2 BPSK	108	0	22.68	22.67	22.58	23.5	0.5
40	PI2 BPSK	108	54	23.04	23.10	23.01	24.0	0.0
40	PI2 BPSK	108	108	22.57	22.63	22.61	23.5	0.5
40	PI2 BPSK	216	0	22.60	22.67	22.65		
40	QPSK	1	1	23.19	23.24	23.20		
40	QPSK	1	108	23.11	23.21	23.07	24.0	0.0
40	QPSK	1	214	23.06	23.19	23.11		
40	QPSK	108	0	22.04	22.14	22.00	23.0	1.0
40	QPSK	108	54	23.06	23.16	23.05	24.0	0.0
40	QPSK	108	108	22.06	22.19	22.17	23.0	1.0
40	QPSK	216	0	22.11	22.17	22.09		
40	16QAM	1	1	22.24	22.35	22.25	23.0	1.0
40	16QAM	1	1	20.72	20.84	20.81	21.5	2.5
40	256QAM	1	1	18.75	18.87	18.84	19.5	4.5
Channel				50300	50700	51100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2615	2635	2655		
30	QPSK	1	1	23.08	23.21	23.11	24.0	0.0
Channel				50250	50700	51150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2635	2697.5		
25	QPSK	1	1	23.10	23.14	23.07	24.0	0.0
Channel				50200	50700	51200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2610	2635	2660		
20	PI2 BPSK	1	1	23.09	23.17	23.12	24.0	0.0
Channel				50150	50700	51250	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2607.5	2635	2662.5		
15	QPSK	1	1	23.15	23.20	23.10	24.0	0.0
Channel				50100	50700	51300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2605	2635	2665		
10	QPSK	1	1	23.15	23.12	23.17	24.0	0.0
Channel				50050	50700	51350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2602.5	2635	2667.5		
5	QPSK	1	1	23.12	23.14	23.07	24.0	0.0



n38 Ant1 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2590.02	2595	2599.98	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	23.10	23.18	23.03	
40	PI/2 BPSK	1	53	23.10	23.21	23.15	24.0
40	PI/2 BPSK	1	104	23.17	23.21	23.12	
40	PI/2 BPSK	50	0	22.73	22.71	22.81	23.5
40	PI/2 BPSK	50	28	23.00	23.15	23.12	24.0
40	PI/2 BPSK	50	56	22.54	22.89	22.71	23.5
40	PI/2 BPSK	100	0	22.61	22.68	22.52	
40	QPSK	1	1	23.15	23.22	23.19	
40	QPSK	1	53	23.04	23.18	23.05	24.0
40	QPSK	1	104	23.01	23.17	23.07	
40	QPSK	50	0	21.93	22.15	22.08	23.0
40	QPSK	50	28	23.14	23.18	23.04	24.0
40	QPSK	50	56	22.12	22.22	22.03	23.0
40	QPSK	100	0	22.13	22.21	22.00	23.0
40	16QAM	1	1	22.21	22.39	22.38	23.0
40	16QAM	1	1	20.91	20.91	20.82	21.5
40	256QAM	1	1	18.85	18.89	18.72	19.5
Channel				5170.02	5190.00	5209.98	
Frequency (MHz)				5170.02	5190.00	5209.98	
30	QPSK	1	1	23.09	23.18	23.11	24.0
Channel				516000	519000	520000	
Frequency (MHz)				516000	519000	520000	
20	QPSK	1	1	23.12	23.19	23.08	24.0
Channel				515502	519000	522498	
Frequency (MHz)				515502	519000	522498	
15	QPSK	1	1	23.03	23.09	23.05	24.0
Channel				515004	519000	522996	
Frequency (MHz)				515004	519000	522996	
10	QPSK	1	1	23.10	23.18	23.11	24.0

n41 Ant1 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2546.01	2552.99	2640	
Frequency (MHz)				2546.01	2552.99	2640	
100	PI/2 BPSK	1	1	23.00	23.18	23.16	
100	PI/2 BPSK	1	137	22.95	23.08	23.09	24.0
100	PI/2 BPSK	1	271	23.10	23.14	22.88	
100	PI/2 BPSK	135	0	22.46	22.55	22.38	23.5
100	PI/2 BPSK	135	69	22.88	23.03	22.96	24.0
100	PI/2 BPSK	135	138	22.45	22.54	22.45	23.5
100	PI/2 BPSK	270	0	22.51	22.57	22.38	
100	QPSK	1	1	23.14	23.25	23.12	
100	QPSK	1	137	23.05	23.07	23.04	24.0
100	QPSK	1	271	23.05	23.13	23.00	
100	QPSK	135	0	21.97	21.99	21.79	23.0
100	QPSK	135	69	23.07	23.16	23.03	24.0
100	QPSK	135	138	22.02	22.01	21.88	23.0
100	QPSK	270	0	21.98	22.10	21.88	23.0
100	16QAM	1	1	22.09	22.21	22.11	23.0
100	16QAM	1	1	20.66	20.64	20.59	21.5
100	256QAM	1	1	18.67	18.69	18.59	19.5
Channel				5060.00	5189.98	5299.98	
Frequency (MHz)				5060.00	5189.98	5299.98	
90	QPSK	1	1	23.06	23.19	23.02	24.0
Channel				507204	5189.98	5299.98	
Frequency (MHz)				507204	5189.98	5299.98	
80	QPSK	1	1	23.03	23.20	22.98	24.0
Channel				506202	5189.98	531000	
Frequency (MHz)				506202	5189.98	531000	
70	QPSK	1	1	23.01	23.15	23.07	24.0
Channel				505200	5189.98	5319.98	
Frequency (MHz)				505200	5189.98	5319.98	
60	QPSK	1	1	23.05	23.18	23.07	24.0
Channel				504204	5189.98	5329.98	
Frequency (MHz)				504204	5189.98	5329.98	
50	QPSK	1	1	23.07	23.18	23.00	24.0
Channel				503202	5189.98	5330.00	
Frequency (MHz)				503202	5189.98	5330.00	
40	QPSK	1	1	23.02	23.21	23.04	24.0
Channel				502200	5189.98	5349.98	
Frequency (MHz)				502200	5189.98	5349.98	
30	QPSK	1	1	23.05	23.21	23.02	24.0
Channel				501204	5189.98	5359.98	
Frequency (MHz)				501204	5189.98	5359.98	
20	QPSK	1	1	23.11	23.12	23.02	24.0
Channel				500700	5189.98	5364.98	
Frequency (MHz)				500700	5189.98	5364.98	
15	QPSK	1	1	23.05	23.15	23.00	24.0
Channel				500202	5189.98	537000	
Frequency (MHz)				500202	5189.98	537000	
10	QPSK	1	1	23.04	23.15	23.03	24.0



Part270 n77 Ant2 DSI 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows for different modulation schemes like Pi2 BPSK, QPSK, and 16QAM.

Part270 n77 PC2 Ant2 DSI 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows for different modulation schemes like Pi2 BPSK, QPSK, and 16QAM.

Part270 n78 Ant2 DSI 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows for different modulation schemes like Pi2 BPSK, QPSK, and 16QAM.



Part270 n78 PC2 Ant2 DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.75			
100	PI/2 BPSK	1	137		18.71		20.2	0.0
100	PI/2 BPSK	1	271		18.81			
100	PI/2 BPSK	135	0		18.87		20.2	0.0
100	PI/2 BPSK	135	69		18.85		20.2	0.0
100	PI/2 BPSK	135	138		18.78			
100	PI/2 BPSK	270	0		18.69			
100	QPSK	1	1		18.85			
100	QPSK	1	137		18.77		20.2	0.0
100	QPSK	1	271		18.90			
100	QPSK	135	0		18.77		20.2	0.0
100	QPSK	135	69		18.80		20.2	0.0
100	QPSK	135	138		18.86			
100	QPSK	270	0		18.85		20.2	0.0
100	16QAM	1	1		18.79		20.2	0.0
100	16QAM	1	1		18.77		20.2	0.0
100	256QAM	1	1		18.71		20.2	0.0
Channel				649688	650000	650334		MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.73	18.78	18.79	20.2	0.0
Channel				649334	650000	650668		MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.89	18.87	18.93	20.2	0.0
Channel				649000	650000	651000		MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.63	18.84	18.83	20.2	0.0
Channel				648668	650000	651334		MPR
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	18.83	18.89	18.74	20.2	0.0
Channel				648334	650000	651668		MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.72	18.89	18.83	20.2	0.0
Channel				648000	650000	652000		MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.72	18.89	18.75	20.2	0.0
Channel				647668	650000	652334		MPR
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	18.79	18.83	18.89	20.2	0.0
Channel				647334	650000	652668		MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.72	18.78	18.82	20.2	0.0
Channel				647168	650000	652334		MPR
Frequency (MHz)				3705.02	3750	3782.51		
15	QPSK	1	1	18.81	18.80	18.74	20.2	0.0
Channel				647000	650000	653000		MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	18.66	18.85	18.77	20.2	0.0



n5 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	22.24	836.5			
25	PI2 BPSK	1	67	22.22			24.0	0.0
25	PI2 BPSK	1	131	22.21				
25	PI2 BPSK	64	0	21.81			23.5	0.5
25	PI2 BPSK	64	35	22.15			24.0	0.0
25	PI2 BPSK	64	69	21.86			23.5	0.5
25	PI2 BPSK	128	0	21.90				
25	QPSK	1	1	22.46			24.0	0.0
25	QPSK	1	67	22.40				
25	QPSK	1	131	22.41				
25	QPSK	64	0	21.30			23.0	1.0
25	QPSK	64	35	22.15			24.0	0.0
25	QPSK	64	69	21.21			23.0	1.0
25	QPSK	128	0	21.10				
25	16QAM	1	1	21.44			23.0	1.0
25	16QAM	1	1	19.83			21.5	2.5
25	256QAM	1	1	17.75			19.5	4.5
Channel								
Frequency (MHz)								
168800				167300	167800		Tune-up limit (dBm)	MPR (dB)
834				836.5	839			
20	QPSK	1	1	22.34	22.27	22.30	0.0	0.0
Channel								
Frequency (MHz)								
166300				167300	168300		Tune-up limit (dBm)	MPR (dB)
831.5				836.5	841.5			
19	QPSK	1	1	22.28	22.30	22.29	24.0	0.0
Channel								
Frequency (MHz)								
165900				167200	168800		Tune-up limit (dBm)	MPR (dB)
829				836.5	844			
10	QPSK	1	1	22.31	22.28	22.30	24.0	0.0
Channel								
Frequency (MHz)								
165300				167300	169300		Tune-up limit (dBm)	MPR (dB)
826.5				836.5	846.5			
5	QPSK	1	1	22.36	22.27	22.26	24.0	0.0

n7 For ENDC Ant4 DSI 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	17.46	2620	2635	2650	
40	PI2 BPSK	1	108	17.68	17.86	17.71		18.8
40	PI2 BPSK	1	214	17.71	17.81	17.50		
40	PI2 BPSK	108	0	17.28	17.87	17.33		18.8
40	PI2 BPSK	108	54	17.84	17.84	17.82		18.8
40	PI2 BPSK	108	108	17.73	17.55	17.31		18.8
40	PI2 BPSK	216	0	17.25	17.74	17.34		
40	QPSK	1	1	17.46	17.76	17.62		18.8
40	QPSK	1	108	17.72	17.53	17.53		18.8
40	QPSK	1	214	17.43	17.54	17.28		
40	QPSK	108	0	17.48	17.57	17.62		18.8
40	QPSK	108	54	17.53	17.89	17.52		18.8
40	QPSK	108	108	17.25	17.58	17.34		18.8
40	QPSK	216	0	17.55	17.57	17.53		18.8
40	16QAM	1	1	17.54	17.58	17.50		18.8
40	16QAM	1	1	17.57	17.49	17.51		18.8
40	256QAM	1	1	17.52	17.60	17.49		18.8
Channel								
Frequency (MHz)								
503000				2615	2635	2655	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.38	17.60	17.57	18.8	0.0
Channel								
Frequency (MHz)								
502600				507000	511500		Tune-up limit (dBm)	MPR (dB)
2612.5				2635	2677.5			
29	QPSK	1	1	17.45	17.73	17.57	18.8	0.0
Channel								
Frequency (MHz)								
502000				507000	512000		Tune-up limit (dBm)	MPR (dB)
2610				2635	2660			
20	PI2 BPSK	1	1	17.43	17.58	17.42	18.8	0.0
Channel								
Frequency (MHz)								
501500				507000	512500		Tune-up limit (dBm)	MPR (dB)
2607.5				2635	2662.5			
15	QPSK	1	1	17.30	17.54	17.46	18.8	0.0
Channel								
Frequency (MHz)								
501000				507000	513000		Tune-up limit (dBm)	MPR (dB)
2605				2635	2665			
10	QPSK	1	1	17.47	17.44	17.54	18.8	0.0
Channel								
Frequency (MHz)								
500500				507000	513500		Tune-up limit (dBm)	MPR (dB)
2602.5				2635	2667.5			
5	QPSK	1	1	17.35	17.61	17.45	18.8	0.0

n26 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	21.36	824	831.5	839	
20	PI2 BPSK	1	53	21.28	21.42	21.31		23.0
20	PI2 BPSK	1	104	21.32	21.35	21.29		
20	PI2 BPSK	50	0	20.83	20.87	20.77		22.5
20	PI2 BPSK	50	28	21.16	21.29	21.22		23.0
20	PI2 BPSK	50	56	20.89	20.95	20.84		22.5
20	PI2 BPSK	100	0	20.87	20.93	20.79		
20	QPSK	1	1	21.85	21.99	21.48		23.0
20	QPSK	1	53	21.50	21.52	21.42		
20	QPSK	1	104	21.31	21.43	21.39		
20	QPSK	50	0	20.31	20.40	20.32		22.0
20	QPSK	50	28	21.28	21.34	21.32		23.0
20	QPSK	50	56	20.37	20.48	20.42		22.0
20	QPSK	100	0	20.41	20.46	20.42		
20	16QAM	1	1	20.51	20.62	20.51		22.0
20	16QAM	1	1	18.99	19.08	19.05		20.5
20	256QAM	1	1	17.22	17.25	17.16		18.5
Channel								
Frequency (MHz)								
164900				821.5	831.5	841.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.51	21.56	21.44	23.0	0.0
Channel								
Frequency (MHz)								
163800				163800	168800		Tune-up limit (dBm)	MPR (dB)
819				831.5	844			
10	QPSK	1	1	21.53	21.51	21.40	23.0	0.0
Channel								
Frequency (MHz)								
163300				163300	169300		Tune-up limit (dBm)	MPR (dB)
816.5				831.5	846.5			
5	QPSK	1	1	21.46	21.53	21.35	23.0	0.0



n71 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				136600	136100	136600		
Frequency (MHz)				678	680.5	683		
30	PI/2 BPSK	1	1	22.94	23.01	22.96		
30	PI/2 BPSK	1	80	22.72	22.63	22.80	24.0	0.0
30	PI/2 BPSK	1	158	22.75	22.92	22.77		
30	PI/2 BPSK	80	0	22.35	22.41	22.29	23.5	0.5
30	PI/2 BPSK	80	40	22.80	22.85	22.77	24.0	0.0
30	PI/2 BPSK	80	80	22.76	22.80	22.71		
30	PI/2 BPSK	160	0	22.36	22.31	22.37		
30	QPSK	1	1	22.95	23.09	23.04		
30	QPSK	1	80	22.87	23.00	22.88	24.0	0.0
30	QPSK	1	158	22.92	22.95	22.92		
30	QPSK	80	0	21.80	21.93	21.91	23.0	1.0
30	QPSK	80	40	22.80	22.88	22.74	24.0	0.0
30	QPSK	80	80	21.72	21.77	21.87		
30	QPSK	160	0	21.84	21.88	21.81	23.0	1.0
30	16QAM	1	1	22.20	22.32	22.17	23.0	1.0
30	16QAM	1	1	20.58	20.70	20.89	21.5	2.5
30	256QAM	1	1	18.76	18.91	18.87	19.5	4.5
Channel				137100	137100	137100		
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	22.80	22.96	22.88	24.0	0.0
Channel				134600	136100	137600		
Frequency (MHz)				672	680.5	688		
20	QPSK	1	1	22.80	23.02	22.97	24.0	0.0
Channel				134100	135100	136100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.88	22.96	22.99	24.0	0.0
Channel				133600	136100	136600		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.85	23.00	22.99	24.0	0.0
Channel				133100	136100	136100		
Frequency (MHz)				665.5	680.5	685.5		
5	QPSK	1	1	22.87	22.94	22.98	24.0	0.0



Part270 n77 Ant5 DSI 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	16.23	16.24	16.27		
100	PI2 BPSK	1	137	16.22	16.25	16.21		0.0
100	PI2 BPSK	1	271	16.14	16.26	16.17		
100	PI2 BPSK	135	0	16.11	16.20	16.23	16.9	0.0
100	PI2 BPSK	135	69	16.13	16.12	16.05	16.9	0.0
100	PI2 BPSK	135	138	15.95	16.11	16.03	16.9	0.0
100	PI2 BPSK	270	0	16.09	16.12	16.01		
100	QPSK	1	1	16.23	16.34	16.30		
100	QPSK	1	137	16.16	16.23	16.13	16.9	0.0
100	QPSK	1	271	16.25	16.31	16.23		
100	QPSK	135	0	16.18	16.14	16.05	16.9	0.0
100	QPSK	135	69	16.03	16.19	16.11	16.9	0.0
100	QPSK	135	138	16.07	16.04	16.03	16.9	0.0
100	QPSK	270	0	16.14	16.15	16.07		
100	16QAM	1	1	15.97	16.08	16.10	16.9	0.0
100	16QAM	1	1	15.34	15.40	15.30	16.9	0.0
100	256QAM	1	1	15.93	15.98	15.90	16.9	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.13	16.23	16.19	16.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.18	16.29	16.19	16.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.10	16.24	16.26	16.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.14	16.27	16.28	16.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.11	16.28	16.21	16.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.20	16.30	16.23	16.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.13	16.23	16.23	16.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.10	16.25	16.19	16.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.13	16.25	16.21	16.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.14	16.22	16.19	16.9	0.0

Part270 n77 PC2 Ant5 DSI 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.21	19.22	19.29		
100	PI2 BPSK	1	137	19.19	19.24	19.17	19.9	0.0
100	PI2 BPSK	1	271	19.13	19.27	19.13		
100	PI2 BPSK	135	0	19.14	19.24	19.22	19.9	0.0
100	PI2 BPSK	135	69	19.14	19.16	19.08	19.9	0.0
100	PI2 BPSK	135	138	18.94	19.12	18.99	19.9	0.0
100	PI2 BPSK	270	0	19.09	19.09	19.02		
100	QPSK	1	1	19.27	19.34	19.23		
100	QPSK	1	137	19.14	19.30	19.12	19.9	0.0
100	QPSK	1	271	19.29	19.28	19.18		
100	QPSK	135	0	19.12	19.12	19.07	19.9	0.0
100	QPSK	135	69	19.08	19.16	19.07	19.9	0.0
100	QPSK	135	138	19.04	19.08	19.02	19.9	0.0
100	QPSK	270	0	19.10	19.14	19.11		
100	16QAM	1	1	19.00	19.06	19.14	19.9	0.0
100	16QAM	1	1	18.72	18.89	18.84	19.5	0.4
100	256QAM	1	1	18.95	17.13	17.13	17.5	2.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.21	19.24	19.29	19.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.17	19.25	19.21	19.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.20	19.25	19.25	19.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.18	19.29	19.22	19.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.24	19.28	19.23	19.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.15	19.24	19.28	19.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.22	19.30	19.27	19.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.20	19.27	19.28	19.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.17	19.28	19.29	19.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.23	19.23	19.28	19.9	0.0

Part270 n78 Ant5 DSI 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		16.19			
100	PI2 BPSK	1	137		16.15		16.9	0.0
100	PI2 BPSK	1	271		16.15			
100	PI2 BPSK	135	0		16.10		16.9	0.0
100	PI2 BPSK	135	69		16.04		16.9	0.0
100	PI2 BPSK	135	138		16.04		16.9	0.0
100	PI2 BPSK	270	0		16.04			
100	QPSK	1	1		16.30			
100	QPSK	1	137		16.21		16.9	0.0
100	QPSK	1	271		16.28			
100	QPSK	135	0		16.05		16.9	0.0
100	QPSK	135	69		16.11		16.9	0.0
100	QPSK	135	138		16.03		16.9	0.0
100	QPSK	270	0		16.06			
100	16QAM	1	1		16.02		16.9	0.0
100	16QAM	1	1		16.01		16.9	0.0
100	256QAM	1	1		15.85		16.9	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.01	16.18	16.10	16.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.08	16.19	16.12	16.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.04	16.19	16.15	16.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.03	16.15	16.13	16.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.06	16.15	16.12	16.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.03	16.15	16.13	16.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.03	16.12	16.16	16.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.05	16.18	16.11	16.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.03	16.13	16.11	16.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.07	16.17	16.07	16.9	0.0



Part270 n78 PC2 Ant5 DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		19.13			
100	PI2 BPSK	1	137		19.18		19.9	0.0
100	PI2 BPSK	1	271		19.16			
100	PI2 BPSK	135	0		19.20		19.9	0.0
100	PI2 BPSK	135	69		19.10		19.9	0.0
100	PI2 BPSK	135	138		19.00		19.9	0.0
100	PI2 BPSK	270	0		19.00			
100	QPSK	1	1		19.25			
100	QPSK	1	137		19.21		19.9	0.0
100	QPSK	1	271		19.25			
100	QPSK	135	0		19.04		19.9	0.0
100	QPSK	135	69		19.13		19.9	0.0
100	QPSK	135	138		18.99			
100	QPSK	270	0		19.12		19.9	0.0
100	16QAM	1	1		18.99		19.9	0.0
100	16QAM	1	1		18.76		19.5	0.4
100	256QAM	1	1		18.68		17.5	2.4
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.18	19.16	19.25	19.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.09	19.20	19.23	19.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.18	19.14	19.19	19.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	19.09	19.13	19.19	19.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.08	19.18	19.21	19.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.12	19.18	19.18	19.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	19.14	19.20	19.25	19.9	0.0
Channel				647334	650000	653668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.16	19.15	19.25	19.9	0.0
Channel				647168	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3782.51		
15	QPSK	1	1	19.16	19.20	19.18	19.9	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3785		
10	QPSK	1	1	19.14	19.20	19.16	19.9	0.0



Part270 n77 Ant7 DSI 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3750 3840 3930								
100	PI2 BPSK	1	1	16.85	16.93	17.00		
100	PI2 BPSK	1	137	17.03	17.05	17.07	18.3	0.0
100	PI2 BPSK	1	271	16.85	16.96	16.99		
100	PI2 BPSK	135	6	16.92	16.91	17.07	18.3	0.0
100	PI2 BPSK	135	69	16.93	16.90	16.97	18.3	0.0
100	PI2 BPSK	135	138	16.82	16.87	17.01	18.3	0.0
100	PI2 BPSK	270	0	17.00	17.01	17.03		
100	QPSK	1	1	17.03	17.11	17.07		
100	QPSK	1	137	16.88	17.03	16.87	18.3	0.0
100	QPSK	1	271	17.03	16.99	16.87		
100	QPSK	135	0	17.00	17.02	17.02	18.3	0.0
100	QPSK	135	69	16.97	17.09	17.01	18.3	0.0
100	QPSK	135	138	16.82	16.96	17.02	18.3	0.0
100	QPSK	270	0	16.92	17.03	16.82		
100	16QAM	1	1	16.88	16.92	16.90	18.3	0.0
100	16QAM	1	1	16.88	16.93	17.03	18.3	0.0
100	256QAM	1	1	16.93	17.03	16.89	18.3	0.0
Channel								
Frequency (MHz)								
3745.02 3840 3935.01								
90	QPSK	1	1	17.04	16.89	17.02	18.3	0.0
Channel								
Frequency (MHz)								
649334 650000 662668								
80	QPSK	1	1	16.99	17.00	17.00	18.3	0.0
Channel								
Frequency (MHz)								
3735 3840 3945								
70	QPSK	1	1	17.00	17.08	16.89	18.3	0.0
Channel								
Frequency (MHz)								
648668 650000 663334								
60	QPSK	1	1	16.86	16.87	16.87	18.3	0.0
Channel								
Frequency (MHz)								
3725.01 3840 3955.02								
50	QPSK	1	1	16.96	16.93	16.98	18.3	0.0
Channel								
Frequency (MHz)								
3720 3840 3960								
40	QPSK	1	1	16.97	17.03	16.86	18.3	0.0
Channel								
Frequency (MHz)								
647668 650000 664334								
30	QPSK	1	1	16.86	16.90	17.03	18.3	0.0
Channel								
Frequency (MHz)								
647334 650000 664668								
20	QPSK	1	1	16.89	17.08	16.97	18.3	0.0
Channel								
Frequency (MHz)								
647168 650000 664834								
15	QPSK	1	1	16.84	17.00	16.91	18.3	0.0
Channel								
Frequency (MHz)								
3705 3840 3975								
10	QPSK	1	1	16.98	16.90	16.89	18.3	0.0

Part270 n77 PC2 Ant7 DSI 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3750 3840 3930								
100	PI2 BPSK	1	1	19.97	20.11	19.96		
100	PI2 BPSK	1	137	20.00	20.05	20.12	21.3	0.0
100	PI2 BPSK	1	271	20.10	20.00	20.16		
100	PI2 BPSK	135	6	20.02	20.07	20.13	21.3	0.0
100	PI2 BPSK	135	69	20.12	19.98	19.97	21.3	0.0
100	PI2 BPSK	135	138	20.08	20.05	20.05	21.3	0.0
100	PI2 BPSK	270	0	20.10	19.97	20.02		
100	QPSK	1	1	20.11	20.22	20.16		
100	QPSK	1	137	19.94	20.02	20.12	21.3	0.0
100	QPSK	1	271	20.04	20.16	19.99		
100	QPSK	135	0	19.98	20.12	19.99	21.3	0.0
100	QPSK	135	69	19.95	20.19	20.11	21.3	0.0
100	QPSK	135	138	20.12	20.15	19.94	21.3	0.0
100	QPSK	270	0	20.07	20.11	20.09		
100	16QAM	1	1	20.00	20.11	20.14	21.3	0.0
100	16QAM	1	1	19.46	19.57	19.48	20.5	0.8
100	256QAM	1	1	18.04	18.11	18.03	18.5	2.8
Channel								
Frequency (MHz)								
3745.02 3840 3935.01								
90	QPSK	1	1	19.80	19.93	19.82	21.3	0.0
Channel								
Frequency (MHz)								
649334 650000 662668								
80	QPSK	1	1	19.98	20.04	19.97	21.3	0.0
Channel								
Frequency (MHz)								
3735 3840 3945								
70	QPSK	1	1	19.87	20.10	19.87	21.3	0.0
Channel								
Frequency (MHz)								
648668 650000 663334								
60	QPSK	1	1	19.81	20.07	19.78	21.3	0.0
Channel								
Frequency (MHz)								
3725.01 3840 3955.02								
50	QPSK	1	1	19.90	19.92	19.75	21.3	0.0
Channel								
Frequency (MHz)								
3720 3840 3960								
40	QPSK	1	1	19.94	19.98	19.82	21.3	0.0
Channel								
Frequency (MHz)								
647668 650000 664334								
30	QPSK	1	1	19.80	20.02	19.83	21.3	0.0
Channel								
Frequency (MHz)								
647334 650000 664668								
20	QPSK	1	1	19.80	20.03	19.86	21.3	0.0
Channel								
Frequency (MHz)								
647168 650000 664834								
15	QPSK	1	1	19.96	20.12	19.91	21.3	0.0
Channel								
Frequency (MHz)								
3705 3840 3975								
10	QPSK	1	1	19.83	20.10	19.98	21.3	0.0

Part270 n78 Ant7 DSI 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
3750 3750 3750										
100	PI2 BPSK	1	1			16.93				
100	PI2 BPSK	1	137			16.90	18.3	0.0		
100	PI2 BPSK	1	271			16.77				
100	PI2 BPSK	135	0			16.82	18.3	0.0		
100	PI2 BPSK	135	69			16.89	18.3	0.0		
100	PI2 BPSK	135	138			16.76	18.3	0.0		
100	PI2 BPSK	270	0			16.92				
100	QPSK	1	1			17.03				
100	QPSK	1	137			16.81	18.3	0.0		
100	QPSK	1	271			16.86				
100	QPSK	135	0			16.84	18.3	0.0		
100	QPSK	135	69			16.89	18.3	0.0		
100	QPSK	135	138			16.81	18.3	0.0		
100	QPSK	270	0			16.96				
100	16QAM	1	1			16.75	18.3	0.0		
100	16QAM	1	1			16.92	18.3	0.0		
100	256QAM	1	1			17.01	18.3	0.0		
Channel										
Frequency (MHz)										
648668 650000 663334										
90	QPSK	1	1			16.81	16.91	16.99	18.3	0.0
Channel										
Frequency (MHz)										
3745.02 3750 3755.01										
80	QPSK	1	1			16.71	16.89	16.82	18.3	0.0
Channel										
Frequency (MHz)										
3735 3750 3765										
70	QPSK	1	1			16.83	16.85	16.98	18.3	0.0
Channel										
Frequency (MHz)										
648668 650000 661334										
60	QPSK	1	1			16.68	16.87	16.99	18.3	0.0
Channel										
Frequency (MHz)										
3725.01 3750 3775.02										
50	QPSK	1	1			16.65	16.81	16.94	18.3	0.0
Channel										
Frequency (MHz)										
3720 3750 3760										
40	QPSK	1	1			16.79	16.89	16.89	18.3	0.0
Channel										
Frequency (MHz)										
647668 650000 662334										
30	QPSK	1	1			16.69	16.81	16.84	18.3	0.0
Channel										
Frequency (MHz)										
647334 650000 662968										
20	QPSK	1	1			16.78	16.88	16.97	18.3	0.0
Channel										
Frequency (MHz)										
647168 650000 662834										
15	QPSK	1	1			16.63	16.92	16.87	18.3	0.0
Channel										
Frequency (MHz)										
3705 3750 3795										
10	QPSK	1	1			16.74	16.73	16.92	18.3	0.0



Part270 n78 PC2 Ant7 DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1		19.94				
100	PI2 BPSK	1	137		20.06		21.3	0.0	
100	PI2 BPSK	1	271		19.83		21.3	0.0	
100	PI2 BPSK	135	0		20.04		21.3	0.0	
100	PI2 BPSK	135	69		19.83		21.3	0.0	
100	PI2 BPSK	135	138		19.98		21.3	0.0	
100	PI2 BPSK	270	0		19.90				
100	QPSK	1	1		20.12				
100	QPSK	1	137		19.87		21.3	0.0	
100	QPSK	1	271		20.05				
100	QPSK	135	0		20.05		21.3	0.0	
100	QPSK	135	69		20.07		21.3	0.0	
100	QPSK	135	138		20.04		21.3	0.0	
100	QPSK	270	0		19.93				
100	16QAM	1	1		19.96		21.3	0.0	
100	16QAM	1	1		19.46		20.5	0.8	
100	256QAM	1	1		18.07		18.5	2.8	
Channel				649688	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		19.96	19.85	19.96	21.3	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		20.00	19.82	19.84	21.3	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		19.93	19.82	19.91	21.3	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3730.01	(dBm)	(dB)	
60	QPSK	1	1		20.04	19.97	19.83	21.3	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		20.12	19.84	19.76	21.3	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		19.94	19.82	19.92	21.3	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	(dB)	
30	QPSK	1	1		19.85	19.77	19.79	21.3	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		20.12	19.81	19.78	21.3	0.0
Channel				647168	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3782.51	(dBm)	(dB)	
15	QPSK	1	1		19.95	19.99	19.98	21.3	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3785	(dBm)	(dB)	
10	QPSK	1	1		19.96	19.79	19.82	21.3	0.0



Part270 n77 Ant11 Default

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like PI2 BPSK, QPSK, 16QAM, and 256QAM across different RB sizes and offsets.

Part270 n77 PC2 Ant11 Default

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like PI2 BPSK, QPSK, 16QAM, and 256QAM across different RB sizes and offsets.

Part270 n78 Ant11 Default

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like PI2 BPSK, QPSK, 16QAM, and 256QAM across different RB sizes and offsets.



Part270 n78 PC2 Ant11 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	25.65	25.65	25.65		
100	PI/2 BPSK	1	137	25.51	25.51	25.51	27.0	0.0
100	PI/2 BPSK	1	271	25.55	25.55	25.55	28.5	0.5
100	PI/2 BPSK	135	0	25.01	25.01	25.01	27.0	0.0
100	PI/2 BPSK	135	69	25.49	25.49	25.49	27.0	0.0
100	PI/2 BPSK	135	138	24.95	24.95	24.95	28.5	0.5
100	PI/2 BPSK	270	0	24.98	24.98	24.98		
100	QPSK	1	1	25.76	25.76	25.76		
100	QPSK	1	137	25.69	25.69	25.69	27.0	0.0
100	QPSK	1	271	25.65	25.65	25.65		
100	QPSK	135	0	24.65	24.65	24.65	28.0	1.0
100	QPSK	135	69	25.65	25.65	25.65	27.0	0.0
100	QPSK	135	138	24.42	24.42	24.42	28.0	1.0
100	QPSK	270	0	24.52	24.52	24.52		
100	16QAM	1	1	24.78	24.78	24.78	28.0	1.0
100	16QAM	1	1	23.25	23.25	23.25	24.5	2.5
100	256QAM	1	1	21.22	21.22	21.22	22.5	4.5
Channel				649688	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.69	25.73	25.68	27.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.85	25.88	25.72	27.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.70	25.67	25.66	27.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3750.01		
60	QPSK	1	1	25.65	25.65	25.70	27.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.62	25.71	25.70	27.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.70	25.69	25.73	27.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	25.63	25.70	25.64	27.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.67	25.71	25.64	27.0	0.0
Channel				647168	650000	652334		
Frequency (MHz)				3707.52	3750	3782.51		
15	QPSK	1	1	25.73	25.65	25.71	27.0	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3785		
10	QPSK	1	1	25.73	25.73	25.71	27.0	0.0



n5 Ant0 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300	836.5			
Frequency (MHz)					836.5			
25	PI2 BPSK	1	1	23.14	22.93		24.0	0.0
25	PI2 BPSK	1	67	23.26	22.93		24.0	0.0
25	PI2 BPSK	64	0	22.44	22.45		23.5	0.5
25	PI2 BPSK	64	35	22.87	22.45		24.0	0.0
25	PI2 BPSK	64	69	22.45	22.45		23.5	0.5
25	PI2 BPSK	128	0	22.46	22.46		24.0	0.0
25	QPSK	1	1	23.24	22.93		24.0	0.0
25	QPSK	1	67	22.93	22.93		24.0	0.0
25	QPSK	1	131	23.17	23.17		24.0	0.0
25	QPSK	64	0	21.99	21.99		23.0	1.0
25	QPSK	64	35	22.98	22.98		24.0	0.0
25	QPSK	64	69	22.06	22.06		23.0	1.0
25	QPSK	128	0	22.00	22.00		23.0	1.0
25	16QAM	1	1	22.42	22.42		23.0	1.0
25	64QAM	1	1	20.88	20.88		21.5	2.5
25	256QAM	1	1	18.87	18.87		19.5	4.5
Channel				168000	167300	167000		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.18	23.17	23.17	0.0	0.0
Channel				168300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.12	23.11	23.15	24.0	0.0
Channel				168600	167300	168600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.15	23.15	23.19	24.0	0.0
Channel				168300	167300	168300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.13	23.20	23.13	24.0	0.0

Reduced Power Mode for DSI3

n26 Ant0 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	824	831.5	839	
Frequency (MHz)					824	831.5		
20	PI2 BPSK	1	1	22.44	22.50	22.34		
20	PI2 BPSK	1	53	22.54	22.53	22.46		
20	PI2 BPSK	1	104	22.46	22.54	22.45	24.0	0.0
20	PI2 BPSK	50	0	21.90	22.05	21.94	23.5	0.5
20	PI2 BPSK	50	28	22.49	22.54	22.43	24.0	0.0
20	PI2 BPSK	50	56	22.03	22.10	21.94	23.5	0.5
20	PI2 BPSK	100	0	21.97	22.09	21.97	24.0	0.0
20	QPSK	1	1	22.72	22.91	22.53		
20	QPSK	1	53	22.46	22.55	22.46	24.0	0.0
20	QPSK	1	104	22.47	22.53	22.40		
20	QPSK	50	0	21.30	21.52	21.36	23.0	1.0
20	QPSK	50	28	22.48	22.53	22.37	24.0	0.0
20	QPSK	50	56	21.45	21.53	21.55	23.0	1.0
20	QPSK	100	0	21.48	21.54	21.48	23.0	1.0
20	16QAM	1	1	21.47	21.60	21.49	23.0	1.0
20	64QAM	1	1	20.02	20.10	19.95	21.5	2.5
20	256QAM	1	1	18.24	18.22	18.13	19.5	4.5
Channel				168300	168300	168300		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.63	22.86	22.50	24.0	0.0
Channel				168600	168300	168600		
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.83	22.78	22.40	24.0	0.0
Channel				168300	168300	168300		
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.68	22.80	22.48	24.0	0.0

n71 Ant0 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				135500	678	680.5	683	
Frequency (MHz)					678	680.5		
30	PI2 BPSK	1	1	23.08	23.13	23.10		
30	PI2 BPSK	1	80	22.77	22.83	22.79	24.0	0.0
30	PI2 BPSK	1	159	22.81	22.87	22.86		
30	PI2 BPSK	80	0	22.97	22.45	22.44	23.5	0.5
30	PI2 BPSK	80	40	22.86	22.94	22.86	24.0	0.0
30	PI2 BPSK	80	80	22.83	22.88	22.73	23.5	0.5
30	PI2 BPSK	160	0	22.33	22.47	22.33	24.0	0.0
30	QPSK	1	1	23.14	23.22	23.14		
30	QPSK	1	80	22.84	22.92	22.77	24.0	0.0
30	QPSK	1	159	22.87	22.91	22.85		
30	QPSK	80	0	21.89	21.95	21.95	23.0	1.0
30	QPSK	80	40	22.84	22.90	22.85	24.0	0.0
30	QPSK	80	80	21.89	21.85	21.82	23.0	1.0
30	QPSK	160	0	21.88	21.95	21.82	23.0	1.0
30	16QAM	1	1	22.21	22.34	22.17	23.0	1.0
30	64QAM	1	1	20.73	20.86	20.83	21.5	2.5
30	256QAM	1	1	18.79	18.84	18.70	19.5	4.5
Channel				137100	137100	137100		
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	23.02	23.17	23.06	24.0	0.0
Channel				134500	136100	137600		
Frequency (MHz)				673	680.5	688		
20	QPSK	1	1	23.09	23.15	23.09	24.0	0.0
Channel				134100	135100	136100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.03	23.13	23.07	24.0	0.0
Channel				133600	136100	138600		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.04	23.12	23.07	24.0	0.0
Channel				133100	136100	139100		
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.01	23.18	23.02	24.0	0.0



n7 Ant1 DSI 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.		Power Middle Ch. / Freq.		Power High Ch. / Freq.		Tune-up limit (dBm)	MPR (dB)
				50500	50700	50700	51000	51000	51000		
Channel				2620	2635	2650					
Frequency (MHz)				2620	2635	2650					
40	PI2 BPSK	1	1	22.47	22.56	22.50					
40	PI2 BPSK	1	108	22.51	22.83	22.51			23.5	0.0	
40	PI2 BPSK	1	214	22.42	22.82	22.53					
40	PI2 BPSK	108	0	22.46	22.57	22.47			23.5	0.0	
40	PI2 BPSK	108	54	22.45	22.60	22.48			23.5	0.0	
40	PI2 BPSK	108	108	22.57	22.83	22.61			23.5	0.0	
40	PI2 BPSK	216	0	22.60	22.87	22.65					
40	QPSK	1	1	22.57	22.98	22.58					
40	QPSK	1	108	22.51	22.84	22.49			23.5	0.0	
40	QPSK	1	214	22.42	22.82	22.54					
40	QPSK	108	0	22.04	22.14	22.00			23.0	0.5	
40	QPSK	108	54	22.47	22.82	22.51			23.5	0.0	
40	QPSK	108	108	22.06	22.19	22.17			23.0	0.5	
40	QPSK	216	0	22.11	22.17	22.09					
40	16QAM	1	1	22.24	22.35	22.25			23.0	0.5	
40	16QAM	1	1	20.72	20.84	20.81			21.5	2.0	
40	256QAM	1	1	18.75	18.87	18.84			19.5	4.0	
Channel				50300	50700	51100					
Frequency (MHz)				2615	2635	2655					
30	QPSK	1	1	22.48	22.61	22.52			23.5	0.0	
Channel				50250	50700	51150					
Frequency (MHz)				2572.5	2635	2677.5					
25	QPSK	1	1	22.42	22.82	22.47			23.5	0.0	
Channel				50200	50700	51200					
Frequency (MHz)				2610	2635	2660					
20	PI2 BPSK	1	1	22.48	22.64	22.51			23.5	0.0	
Channel				50150	50700	51250					
Frequency (MHz)				2607.5	2635	2667.5					
15	QPSK	1	1	22.46	22.84	22.45			23.5	0.0	
Channel				50100	50700	51300					
Frequency (MHz)				2605	2635	2665					
10	QPSK	1	1	22.48	22.81	22.45			23.0	0.0	
Channel				50050	50700	51350					
Frequency (MHz)				2602.5	2635	2667.5					
5	QPSK	1	1	22.43	22.83	22.51			23.5	0.0	



n38 Ant1 DSI 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				519304	519300	519396		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.75	20.87	20.81		
40	PI/2 BPSK	1	53	20.72	20.79	20.83	21.8	0.0
40	PI/2 BPSK	1	104	20.67	20.84	20.83		
40	PI/2 BPSK	50	0	20.68	20.83	20.86	21.8	0.0
40	PI/2 BPSK	50	28	20.75	20.84	20.79	21.8	0.0
40	PI/2 BPSK	50	56	20.66	20.79	20.78	21.8	0.0
40	PI/2 BPSK	100	0	20.74	20.79	20.87		
40	QPSK	1	1	20.81	20.83	20.92		
40	QPSK	1	53	20.72	20.86	20.78	21.8	0.0
40	QPSK	1	104	20.74	20.89	20.75		
40	QPSK	50	0	20.66	20.80	20.81	21.8	0.0
40	QPSK	50	28	20.74	20.86	20.83	21.8	0.0
40	QPSK	50	56	20.72	20.84	20.84		
40	QPSK	100	0	20.75	20.85	20.82	21.8	0.0
40	16QAM	1	1	20.73	20.84	20.79	21.8	0.0
40	16QAM	1	1	20.76	20.87	20.80	21.5	0.3
40	256QAM	1	1	18.85	18.89	18.72	19.5	2.3
Channel				517002	516900	520398	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.75	20.78	20.83	21.8	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2570	2595	2610		
20	QPSK	1	1	20.72	20.83	20.83	21.8	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2677.51	2595	2612.49		
15	QPSK	1	1	20.74	20.81	20.81	21.8	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2675.02	2595	2614.98		
10	QPSK	1	1	20.71	20.83	20.78	21.8	0.0

n41 Ant1 DSI 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				526202	518988	529200		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.67	20.86	20.76		
100	PI/2 BPSK	1	137	20.71	20.92	20.76	21.8	0.0
100	PI/2 BPSK	1	271	20.68	20.84	20.75		
100	PI/2 BPSK	135	0	20.72	20.89	20.74	21.8	0.0
100	PI/2 BPSK	135	69	20.66	20.89	20.75	21.8	0.0
100	PI/2 BPSK	135	138	20.74	20.87	20.75	21.8	0.0
100	PI/2 BPSK	270	0	20.67	20.82	20.70		
100	QPSK	1	1	20.80	20.87	20.83		
100	QPSK	1	137	20.75	20.82	20.78	21.8	0.0
100	QPSK	1	271	20.75	20.80	20.66		
100	QPSK	135	0	20.71	20.88	20.70	21.8	0.0
100	QPSK	135	69	20.74	20.91	20.74	21.8	0.0
100	QPSK	135	138	20.68	20.86	20.76		
100	QPSK	270	0	20.71	20.87	20.75	21.8	0.0
100	16QAM	1	1	20.71	20.91	20.71	21.8	0.0
100	16QAM	1	1	20.66	20.64	20.59	21.5	0.3
100	256QAM	1	1	18.67	18.69	18.59	19.5	2.3
Channel				506200	518988	529298	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.65	20.90	20.74	21.8	0.0
Channel				507204	518988	529888	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2648.99		
80	QPSK	1	1	20.67	20.83	20.76	21.8	0.0
Channel				506202	518988	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2665		
70	QPSK	1	1	20.67	20.88	20.78	21.8	0.0
Channel				505200	518988	531988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2524	2592.99	2659.99		
60	QPSK	1	1	20.69	20.87	20.74	21.8	0.0
Channel				504204	518988	532988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.69	20.83	20.76	21.8	0.0
Channel				503202	518988	533800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.69	20.89	20.72	21.8	0.0
Channel				502200	518988	534888	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.99		
30	QPSK	1	1	20.69	20.87	20.75	21.8	0.0
Channel				501204	518988	535988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.72	20.86	20.77	21.8	0.0
Channel				500700	518988	536488	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.05	2592.99	2684.98		
15	QPSK	1	1	20.66	20.92	20.77	21.8	0.0
Channel				500202	518988	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.75	20.83	20.72	21.8	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.05	15.80	15.77		
100	PI2 BPSK	1	137	15.81	15.62	15.67		0.0
100	PI2 BPSK	1	271	15.68	15.76	15.89		
100	PI2 BPSK	135	6	15.66	15.75	15.75	17.2	0.0
100	PI2 BPSK	135	69	15.73	15.57	15.65	17.2	0.0
100	PI2 BPSK	135	138	15.67	15.79	15.74	17.2	0.0
100	PI2 BPSK	270	0	15.80	15.82	15.89		
100	QPSK	1	1	15.81	15.93	15.87		
100	QPSK	1	137	15.72	15.71	15.70	17.2	0.0
100	QPSK	1	271	15.77	15.86	15.83		
100	QPSK	135	6	15.82	15.72	15.84	17.2	0.0
100	QPSK	135	69	15.84	15.92	15.86	17.2	0.0
100	QPSK	135	138	15.74	15.73	15.76	17.2	0.0
100	QPSK	270	0	15.69	15.85	15.83		
100	16QAM	1	1	15.72	15.67	15.70	17.2	0.0
100	16QAM	1	1	15.81	15.68	15.68	17.2	0.0
100	256QAM	1	1	15.71	15.79	15.85	17.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.71	15.85	15.71	17.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.80	15.79	15.65	17.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.65	15.83	15.42	17.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.69	15.83	15.72	17.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.73	15.91	15.85	17.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.78	15.80	15.73	17.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.75	15.81	15.77	17.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.71	15.80	15.82	17.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.77	15.85	15.68	17.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.81	15.88	15.75	17.2	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.80	18.93	18.82		
100	PI2 BPSK	1	137	18.83	18.78	18.87	20.2	0.0
100	PI2 BPSK	1	271	18.72	18.83	18.75		
100	PI2 BPSK	135	6	18.87	18.86	18.90	20.2	0.0
100	PI2 BPSK	135	69	18.80	18.91	18.80	20.2	0.0
100	PI2 BPSK	135	138	18.68	18.80	18.71	20.2	0.0
100	PI2 BPSK	270	0	18.67	18.77	18.87		
100	QPSK	1	1	18.81	18.93	18.83		
100	QPSK	1	137	18.75	18.83	18.90	20.2	0.0
100	QPSK	1	271	18.76	18.88	18.75		
100	QPSK	135	6	18.78	18.94	18.78	20.2	0.0
100	QPSK	135	69	18.81	18.99	18.79	20.2	0.0
100	QPSK	135	138	18.64	18.83	18.85	20.2	0.0
100	QPSK	270	0	18.59	18.82	18.81		
100	16QAM	1	1	18.82	18.82	18.78	20.2	0.0
100	16QAM	1	1	18.77	18.98	18.80	20.2	0.0
100	256QAM	1	1	18.74	18.84	18.74	20.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.76	18.85	18.65	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.68	18.75	18.61	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.71	18.82	18.73	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.79	18.88	18.81	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.77	18.93	18.63	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.77	18.73	18.69	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.64	18.87	18.77	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.81	18.83	18.87	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.78	18.95	18.68	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.66	18.94	18.81	20.2	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		15.81			
100	PI2 BPSK	1	137		15.45		17.2	0.0
100	PI2 BPSK	1	271		15.87			
100	PI2 BPSK	135	0		15.75		17.2	0.0
100	PI2 BPSK	135	69		15.48		17.2	0.0
100	PI2 BPSK	135	138		15.76		17.2	0.0
100	PI2 BPSK	270	0		15.80			
100	QPSK	1	1		15.90			
100	QPSK	1	137		15.70		17.2	0.0
100	QPSK	1	271		15.73			
100	QPSK	135	0		15.73		17.2	0.0
100	QPSK	135	69		15.80		17.2	0.0
100	QPSK	135	138		15.68		17.2	0.0
100	QPSK	270	0		15.74			
100	16QAM	1	1		15.48		17.2	0.0
100	16QAM	1	1		15.83		17.2	0.0
100	256QAM	1	1		15.76		17.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.82	15.86	15.74	17.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.77	15.74	15.70	17.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.74	15.85	15.82	17.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.69	15.86	15.86	17.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.62	15.70	15.73	17.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.67	15.78	15.78	17.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.81	15.80	15.71	17.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.80	15.74	15.87	17.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.78	15.72	15.75	17.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.69	15.85	15.68	17.2	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3760	3760	3760		
Frequency (MHz)								
100	PI/2 BPSK	1	1		18.75			
100	PI/2 BPSK	1	137		18.71		20.2	0.0
100	PI/2 BPSK	1	271		18.81			
100	PI/2 BPSK	135	0		18.87		20.2	0.0
100	PI/2 BPSK	135	69		18.85		20.2	0.0
100	PI/2 BPSK	135	138		18.78			
100	PI/2 BPSK	270	0		18.69			
100	QPSK	1	1		18.85			
100	QPSK	1	137		18.77		20.2	0.0
100	QPSK	1	271		18.90			
100	QPSK	135	0		18.77		20.2	0.0
100	QPSK	135	69		18.80		20.2	0.0
100	QPSK	135	138		18.86			
100	QPSK	270	0		18.85		20.2	0.0
100	16QAM	1	1		18.79		20.2	0.0
100	16QAM	1	1		18.77		20.2	0.0
100	256QAM	1	1		18.71		20.2	0.0
Channel				649688	650000	650334		MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.73	18.78	18.79	20.2	0.0
Channel				649334	650000	650668		MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.89	18.87	18.93	20.2	0.0
Channel				649000	650000	651000		MPR
Frequency (MHz)				3736	3750	3765		
70	QPSK	1	1	18.63	18.84	18.83	20.2	0.0
Channel				648668	650000	651334		MPR
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	18.83	18.89	18.74	20.2	0.0
Channel				648334	650000	651668		MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.72	18.89	18.83	20.2	0.0
Channel				648000	650000	652000		MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.72	18.89	18.75	20.2	0.0
Channel				647668	650000	652334		MPR
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	18.79	18.83	18.89	20.2	0.0
Channel				647334	650000	652668		MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.72	18.78	18.82	20.2	0.0
Channel				647168	650000	652334		MPR
Frequency (MHz)				3707.52	3750	3782.51		
15	QPSK	1	1	18.81	18.80	18.74	20.2	0.0
Channel				647000	650000	653000		MPR
Frequency (MHz)				3705	3750	3785		
10	QPSK	1	1	18.66	18.85	18.77	20.2	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				16790	836.5			
25	PI2 BPSK	1	1	22.24				
25	PI2 BPSK	1	67	22.22			24.0	0.0
25	PI2 BPSK	1	131	22.21				
25	PI2 BPSK	64	0	21.81			23.5	0.5
25	PI2 BPSK	64	35	22.15			24.0	0.0
25	PI2 BPSK	64	69	21.86			23.5	0.5
25	PI2 BPSK	128	0	21.90				
25	QPSK	1	1	22.46				
25	QPSK	1	67	22.40			24.0	0.0
25	QPSK	1	131	22.41				
25	QPSK	64	0	21.30			23.0	1.0
25	QPSK	64	35	22.15			24.0	0.0
25	QPSK	64	69	21.21			23.0	1.0
25	QPSK	128	0	21.10				
25	16QAM	1	1	21.44			23.0	1.0
25	16QAM	1	1	19.83			21.5	2.5
25	256QAM	1	1	17.75			19.5	4.5
Channel				168800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.34	22.27	22.30	0.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.28	22.30	22.29	24.0	0.0
Channel				165300	167300	168900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.31	22.28	22.30	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.36	22.27	22.26	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)				50500	50700	51000		
40	PI2 BPSK	1	1	17.46	17.65	17.44		
40	PI2 BPSK	1	108	17.68	17.66	17.71	18.8	0.0
40	PI2 BPSK	1	214	17.71	17.61	17.50		
40	PI2 BPSK	108	0	17.29	17.87	17.33	18.8	0.0
40	PI2 BPSK	108	54	17.64	17.64	17.62	18.8	0.0
40	PI2 BPSK	108	108	17.73	17.55	17.31	18.8	0.0
40	PI2 BPSK	216	0	17.25	17.74	17.34		
40	QPSK	1	1	17.46	17.76	17.62		
40	QPSK	1	108	17.72	17.53	17.51	18.8	0.0
40	QPSK	1	214	17.43	17.54	17.26		
40	QPSK	108	0	17.48	17.57	17.62	18.8	0.0
40	QPSK	108	54	17.53	17.69	17.52	18.8	0.0
40	QPSK	108	108	17.25	17.59	17.34	18.8	0.0
40	QPSK	216	0	17.55	17.57	17.53		
40	16QAM	1	1	17.54	17.59	17.50	18.8	0.0
40	16QAM	1	1	17.57	17.49	17.51	18.8	0.0
40	256QAM	1	1	17.52	17.60	17.49	18.8	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.38	17.60	17.57	18.8	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.45	17.73	17.57	18.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	17.43	17.58	17.42	18.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.30	17.54	17.46	18.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.47	17.44	17.54	18.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.35	17.61	17.45	18.8	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				164850	166300	167900		
20	PI2 BPSK	1	1	21.36	21.50	21.45		
20	PI2 BPSK	1	53	21.28	21.42	21.31	23.0	0.0
20	PI2 BPSK	1	104	21.32	21.35	21.29		
20	PI2 BPSK	50	0	20.83	20.87	20.77	22.5	0.5
20	PI2 BPSK	50	28	21.16	21.29	21.22	23.0	0.0
20	PI2 BPSK	50	56	20.89	20.95	20.84	22.5	0.5
20	PI2 BPSK	100	0	20.87	20.93	20.79		
20	QPSK	1	1	21.85	21.99	21.48		
20	QPSK	1	53	21.50	21.52	21.42	23.0	0.0
20	QPSK	1	104	21.31	21.43	21.39		
20	QPSK	50	0	20.31	20.40	20.32	22.0	1.0
20	QPSK	50	28	21.28	21.34	21.32	23.0	0.0
20	QPSK	50	56	20.37	20.48	20.42	22.0	1.0
20	QPSK	100	0	20.41	20.46	20.42		
20	16QAM	1	1	20.51	20.62	20.51	22.0	1.0
20	16QAM	1	1	18.99	19.08	19.05	20.5	2.5
20	256QAM	1	1	17.22	17.25	17.16	18.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.51	21.56	21.44	23.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	21.53	21.51	21.40	23.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.46	21.53	21.35	23.0	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				136600	136100	136600		
Frequency (MHz)				678	680.5	683		
30	PI/2 BPSK	1	1	22.94	23.01	22.96		
30	PI/2 BPSK	1	80	22.72	22.93	22.80	24.0	0.0
30	PI/2 BPSK	1	158	22.75	22.92	22.77		
30	PI/2 BPSK	80	0	22.35	22.41	22.29	23.5	0.5
30	PI/2 BPSK	80	40	22.80	22.85	22.77	24.0	0.0
30	PI/2 BPSK	80	80	22.76	22.80	22.71		
30	PI/2 BPSK	160	0	22.36	22.31	22.37		
30	QPSK	1	1	22.95	23.00	23.04		
30	QPSK	1	80	22.87	23.00	22.88	24.0	0.0
30	QPSK	1	158	22.92	22.95	22.92		
30	QPSK	80	0	21.80	21.93	21.91	23.0	1.0
30	QPSK	80	40	22.80	22.88	22.74	24.0	0.0
30	QPSK	80	80	21.72	21.77	21.87		
30	QPSK	160	0	21.84	21.88	21.81	23.0	1.0
30	16QAM	1	1	22.20	22.32	22.17	23.0	1.0
30	16QAM	1	1	20.58	20.70	20.89	21.5	2.5
30	256QAM	1	1	18.76	18.91	18.87	19.5	4.5
Channel				137100	137100	137100		
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	22.80	22.96	22.88	24.0	0.0
Channel				134600	136100	137600		
Frequency (MHz)				672	680.5	688		
20	QPSK	1	1	22.80	23.02	22.97	24.0	0.0
Channel				134100	135100	136100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.88	22.96	22.99	24.0	0.0
Channel				133600	136100	136600		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.85	23.00	22.99	24.0	0.0
Channel				133100	136100	136100		
Frequency (MHz)				665.5	680.5	685.5		
5	QPSK	1	1	22.87	22.94	22.98	24.0	0.0



Part270 n77 Ant5 DSI 3

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation types like Pi2 BPSK, QPSK, and 16QAM across multiple channels.

Part270 n77 PC2 Ant5 DSI 3

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation types like Pi2 BPSK, QPSK, and 16QAM across multiple channels.

Part270 n78 Ant5 DSI 3

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation types like Pi2 BPSK, QPSK, and 16QAM across multiple channels.



Part270 n78 PC2 Ant5 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.13			
100	PI/2 BPSK	1	137		19.18		19.9	0.0
100	PI/2 BPSK	1	271		19.16			
100	PI/2 BPSK	135	0		19.20		19.9	0.0
100	PI/2 BPSK	135	69		19.10		19.9	0.0
100	PI/2 BPSK	135	138		19.00		19.9	0.0
100	PI/2 BPSK	270	0		19.00			
100	QPSK	1	1		19.25			
100	QPSK	1	137		19.21		19.9	0.0
100	QPSK	1	271		19.25			
100	QPSK	135	0		19.04		19.9	0.0
100	QPSK	135	69		19.13		19.9	0.0
100	QPSK	135	138		18.99			
100	QPSK	270	0		19.12		19.9	0.0
100	16QAM	1	1		18.99		19.9	0.0
100	16QAM	1	1		18.76		19.5	0.4
100	256QAM	1	1		18.68		17.5	2.4
Channel				649688	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.18	19.16	19.25	19.9	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.09	19.20	19.23	19.9	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.18	19.14	19.19	19.9	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3739.01		
60	QPSK	1	1	19.09	19.13	19.19	19.9	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.08	19.18	19.21	19.9	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.12	19.18	19.18	19.9	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	19.14	19.20	19.25	19.9	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.18	19.15	19.25	19.9	0.0
Channel				647168	650000	652334		
Frequency (MHz)				3707.52	3750	3782.51		
15	QPSK	1	1	19.16	19.20	19.18	19.9	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3785		
10	QPSK	1	1	19.14	19.20	19.16	19.9	0.0



Part270 n77 Ant7 DSI 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3750 3840 3930								
100	PI2 BPSK	1	1	16.20	16.28	16.20		
100	PI2 BPSK	1	137	16.14	16.29	16.12		0.0
100	PI2 BPSK	1	271	16.20	16.30	16.15		
100	PI2 BPSK	135	6	16.12	16.33	16.15	17.3	0.0
100	PI2 BPSK	135	69	16.18	16.26	16.18	17.3	0.0
100	PI2 BPSK	135	138	16.15	16.34	16.18		
100	PI2 BPSK	270	0	16.12	16.30	16.16		
100	QPSK	1	1	16.25	16.36	16.23		
100	QPSK	1	137	16.33	16.26	16.25	17.3	0.0
100	QPSK	1	271	16.31	16.33	16.29		
100	QPSK	135	0	16.20	16.32	16.10	17.3	0.0
100	QPSK	135	69	16.13	16.33	16.15		
100	QPSK	135	138	16.15	16.31	16.19		
100	QPSK	270	0	16.13	16.32	16.20		
100	16QAM	1	1	16.17	16.33	16.12	17.3	0.0
100	16QAM	1	1	16.21	16.32	16.16	17.3	0.0
100	256QAM	1	1	16.22	16.30	16.19	17.3	0.0
Channel								
Frequency (MHz)								
3745.02 3840 3935.01								
90	QPSK	1	1	16.20	16.29	16.16	17.3	0.0
Channel								
Frequency (MHz)								
649334 650000 662668								
80	QPSK	1	1	16.13	16.29	16.13	17.3	0.0
Channel								
Frequency (MHz)								
3735 3840 3945								
70	QPSK	1	1	16.21	16.32	16.14	17.3	0.0
Channel								
Frequency (MHz)								
648668 650000 663334								
60	QPSK	1	1	16.15	16.32	16.18	17.3	0.0
Channel								
Frequency (MHz)								
3725.01 3840 3955.02								
50	QPSK	1	1	16.15	16.33	16.16	17.3	0.0
Channel								
Frequency (MHz)								
3720 3840 3960								
40	QPSK	1	1	16.21	16.28	16.18	17.3	0.0
Channel								
Frequency (MHz)								
647668 650000 664334								
30	QPSK	1	1	16.15	16.27	16.11	17.3	0.0
Channel								
Frequency (MHz)								
647334 650000 664668								
20	QPSK	1	1	16.16	16.35	16.13	17.3	0.0
Channel								
Frequency (MHz)								
647168 650000 664834								
15	QPSK	1	1	16.21	16.32	16.20	17.3	0.0
Channel								
Frequency (MHz)								
3705 3840 3975								
10	QPSK	1	1	16.18	16.34	16.14	17.3	0.0

Part270 n77 PC2 Ant7 DSI 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3750 3840 3930								
100	PI2 BPSK	1	1	19.23	19.36	19.17		
100	PI2 BPSK	1	137	19.26	19.37	19.16	20.3	0.0
100	PI2 BPSK	1	271	19.22	19.42	19.20		
100	PI2 BPSK	135	6	19.23	19.40	19.20	20.3	0.0
100	PI2 BPSK	135	69	19.20	19.33	19.19	20.3	0.0
100	PI2 BPSK	135	138	19.26	19.36	19.18		
100	PI2 BPSK	270	0	19.26	19.37	19.20		
100	QPSK	1	1	19.33	19.45	19.27		
100	QPSK	1	137	19.28	19.35	19.25	20.3	0.0
100	QPSK	1	271	19.16	19.34	19.12		
100	QPSK	135	0	19.23	19.36	19.18	20.3	0.0
100	QPSK	135	69	19.23	19.42	19.24	20.3	0.0
100	QPSK	135	138	19.26	19.35	19.20		
100	QPSK	270	0	19.25	19.38	19.20		
100	16QAM	1	1	19.22	19.40	19.17	20.3	0.0
100	16QAM	1	1	19.28	19.36	19.16	20.3	0.0
100	256QAM	1	1	19.24	19.04	17.83	18.5	1.8
Channel								
Frequency (MHz)								
3745.02 3840 3935.01								
90	QPSK	1	1	19.28	19.35	19.20	20.3	0.0
Channel								
Frequency (MHz)								
649334 650000 662668								
80	QPSK	1	1	19.21	19.42	19.22	20.3	0.0
Channel								
Frequency (MHz)								
3735 3840 3945								
70	QPSK	1	1	19.27	19.35	19.17	20.3	0.0
Channel								
Frequency (MHz)								
648668 650000 663334								
60	QPSK	1	1	19.26	19.38	19.18	20.3	0.0
Channel								
Frequency (MHz)								
648334 650000 663668								
50	QPSK	1	1	19.23	19.36	19.17	20.3	0.0
Channel								
Frequency (MHz)								
3720 3840 3960								
40	QPSK	1	1	19.26	19.35	19.17	20.3	0.0
Channel								
Frequency (MHz)								
647668 650000 664334								
30	QPSK	1	1	19.27	19.41	19.19	20.3	0.0
Channel								
Frequency (MHz)								
647334 650000 664668								
20	QPSK	1	1	19.23	19.32	19.23	20.3	0.0
Channel								
Frequency (MHz)								
647168 650000 664834								
15	QPSK	1	1	19.27	19.33	19.24	20.3	0.0
Channel								
Frequency (MHz)								
3705 3840 3975								
10	QPSK	1	1	19.22	19.36	19.18	20.3	0.0

Part270 n78 Ant7 DSI 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3750 3750 3750									
100	PI2 BPSK	1	1		16.19		17.3	0.0	
100	PI2 BPSK	1	137		16.26				
100	PI2 BPSK	1	271		16.25				
100	PI2 BPSK	135	0		16.26		17.3	0.0	
100	PI2 BPSK	135	69		16.16		17.3	0.0	
100	PI2 BPSK	135	138		16.22				
100	PI2 BPSK	270	0		16.18				
100	QPSK	1	1		16.26				
100	QPSK	1	137		16.15		17.3	0.0	
100	QPSK	1	271		16.22				
100	QPSK	135	0		16.26		17.3	0.0	
100	QPSK	135	69		16.27		17.3	0.0	
100	QPSK	135	138		16.25				
100	QPSK	270	0		16.18		17.3	0.0	
100	16QAM	1	1		16.12		17.3	0.0	
100	16QAM	1	1		16.21		17.3	0.0	
100	256QAM	1	1		16.26		17.3	0.0	
Channel									
Frequency (MHz)									
648668 650000 663334									
90	QPSK	1	1		16.16	16.25	16.07	17.3	0.0
Channel									
Frequency (MHz)									
3745.02 3750 3755.01									
80	QPSK	1	1		16.15	16.21	16.07	17.3	0.0
Channel									
Frequency (MHz)									
3735 3750 3765									
70	QPSK	1	1		16.07	16.24	16.03	17.3	0.0
Channel									
Frequency (MHz)									
648668 650000 661334									
60	QPSK	1	1		16.10	16.20	16.06	17.3	0.0
Channel									
Frequency (MHz)									
3725.01 3750 3775.02									
50	QPSK	1	1		16.10	16.24	16.07	17.3	0.0
Channel									
Frequency (MHz)									
3720 3750 3780									
40	QPSK	1	1		16.11	16.22	16.12	17.3	0.0
Channel									
Frequency (MHz)									
647668 650000 662334									
30	QPSK	1	1		16.09	16.16	16.13	17.3	0.0
Channel									
Frequency (MHz)									
647334 650000 662668									
20	QPSK	1	1		16.07	16.20	16.13	17.3	0.0
Channel									
Frequency (MHz)									
647168 650000 662834									
15	QPSK	1	1		16.08	16.24	16.08	17.3	0.0
Channel									
Frequency (MHz)									
3705 3750 3795									
10	QPSK	1	1		16.10	16.21	16.07	17.3	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3760	3760	3760			
100	PI/2 BPSK	1	1		19.28				
100	PI/2 BPSK	1	137		19.28		20.3	0.0	
100	PI/2 BPSK	1	271		19.33		20.3	0.0	
100	PI/2 BPSK	135	0		19.32		20.3	0.0	
100	PI/2 BPSK	135	89		19.23		20.3	0.0	
100	PI/2 BPSK	135	138		19.32		20.3	0.0	
100	PI/2 BPSK	270	0		19.30				
100	QPSK	1	1		19.41				
100	QPSK	1	137		19.23		20.3	0.0	
100	QPSK	1	271		19.22				
100	QPSK	135	0		19.29		20.3	0.0	
100	QPSK	135	89		19.38		20.3	0.0	
100	QPSK	135	138		19.26		20.3	0.0	
100	QPSK	270	0		19.29		20.3	0.0	
100	16QAM	1	1		19.33		20.3	0.0	
100	16QAM	1	1		19.30		20.3	0.0	
100	256QAM	1	1		18.07		18.5	1.8	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		19.18	19.25	19.13	20.3	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		19.15	19.32	19.12	20.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		19.23	19.25	19.10	20.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3730.01			
60	QPSK	1	1		19.23	19.25	19.17	20.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		19.19	19.25	19.36	20.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		19.18	19.27	19.14	20.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3725.01			
30	QPSK	1	1		19.25	19.28	19.11	20.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		19.19	19.28	19.15	20.3	0.0
Channel				647168	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3782.51			
15	QPSK	1	1		19.17	19.28	19.09	20.3	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3785			
10	QPSK	1	1		19.16	19.31	19.11	20.3	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 3840 3930								
100	Pi2 BPSK	1	1	20.16	20.22	20.08		
100	Pi2 BPSK	1	137	20.07	20.25	20.05		0.0
100	Pi2 BPSK	1	271	20.15	20.23	20.03		
100	Pi2 BPSK	135	0	20.15	20.18	20.07	21.1	0.0
100	Pi2 BPSK	135	69	20.15	20.25	20.01	21.1	0.0
100	Pi2 BPSK	135	138	20.12	20.20	20.00		
100	Pi2 BPSK	270	0	20.10	20.24	20.08		
100	QPSK	1	1	20.19	20.26	20.12		
100	QPSK	1	137	19.97	19.93	19.93	21.1	0.0
100	QPSK	1	271	20.04	20.16	20.11		
100	QPSK	135	0	20.08	20.20	20.03	21.1	0.0
100	QPSK	135	69	20.09	20.24	20.09	21.1	0.0
100	QPSK	135	138	20.12	20.16	20.06		
100	QPSK	270	0	20.14	20.23	20.00		
100	16QAM	1	1	20.09	20.17	20.06	21.1	0.0
100	16QAM	1	1	20.07	20.23	19.99	21.1	0.0
100	256QAM	1	1	20.06	20.20	20.08	21.1	0.0
Channel								
Frequency (MHz)								
3745.02 3840 3935.01								
90	QPSK	1	1	20.12	20.16	20.05	21.1	0.0
Channel								
Frequency (MHz)								
649334 65000 662668								
3740.01 3840 3940.02								
80	QPSK	1	1	20.08	20.16	20.09	21.1	0.0
Channel								
Frequency (MHz)								
649000 65000 663000								
3735 3840 3945								
70	QPSK	1	1	20.11	20.21	19.99	21.1	0.0
Channel								
Frequency (MHz)								
648668 65000 663334								
3730.02 3840 3950.01								
60	QPSK	1	1	20.14	20.15	20.05	21.1	0.0
Channel								
Frequency (MHz)								
648334 65000 663668								
3725.01 3840 3955.02								
50	QPSK	1	1	20.08	20.17	19.99	21.1	0.0
Channel								
Frequency (MHz)								
647668 65000 664334								
3720.02 3840 3960.01								
40	QPSK	1	1	20.13	20.20	20.00	21.1	0.0
Channel								
Frequency (MHz)								
647334 65000 664999								
3715.02 3840 3965.01								
30	QPSK	1	1	20.13	20.17	20.07	21.1	0.0
Channel								
Frequency (MHz)								
647000 65000 665668								
3710.01 3840 3970.02								
20	QPSK	1	1	20.16	20.23	20.07	21.1	0.0
Channel								
Frequency (MHz)								
647168 65000 664834								
3705.02 3840 3975.01								
15	QPSK	1	1	20.13	20.18	19.99	21.1	0.0
Channel								
Frequency (MHz)								
647000 65000 665000								
3705 3840 3975								
10	QPSK	1	1	20.08	20.18	20.03	21.1	0.0

Part270 n77 PC2 Ant11 DSI 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3750 3840 3930								
100	Pi2 BPSK	1	1	23.13	23.14	23.07		
100	Pi2 BPSK	1	137	23.09	23.15	23.05	24.1	0.0
100	Pi2 BPSK	1	271	23.12	23.16	23.04		
100	Pi2 BPSK	135	0	23.08	23.16	23.08	24.1	0.0
100	Pi2 BPSK	135	69	23.15	23.17	23.09	24.1	0.0
100	Pi2 BPSK	135	138	23.10	23.15	23.11	24.1	0.0
100	Pi2 BPSK	270	0	23.13	23.15	23.10		
100	QPSK	1	1	23.16	23.26	23.17		
100	QPSK	1	137	23.02	23.19	23.13	24.1	0.0
100	QPSK	1	271	23.16	23.23	23.14		
100	QPSK	135	0	23.14	23.20	23.09	24.1	0.0
100	QPSK	135	69	23.15	23.24	23.07	24.1	0.0
100	QPSK	135	138	23.09	23.22	23.06	24.1	0.0
100	QPSK	270	0	23.13	23.18	23.13		
100	16QAM	1	1	23.08	23.13	23.10	24.1	0.0
100	16QAM	1	1	23.19	23.22	23.14	24.1	0.0
100	256QAM	1	1	23.08	23.20	23.10	22.5	1.8
Channel								
Frequency (MHz)								
3745.02 3840 3935.01								
90	QPSK	1	1	23.11	23.17	23.10	24.1	0.0
Channel								
Frequency (MHz)								
649334 65000 662668								
3740.01 3840 3940.02								
80	QPSK	1	1	23.08	23.23	23.12	24.1	0.0
Channel								
Frequency (MHz)								
649000 65000 663000								
3735 3840 3945								
70	QPSK	1	1	23.14	23.16	23.04	24.1	0.0
Channel								
Frequency (MHz)								
648668 65000 663334								
3730.02 3840 3950.01								
60	QPSK	1	1	23.13	23.13	23.10	24.1	0.0
Channel								
Frequency (MHz)								
648334 65000 663668								
3725.01 3840 3955.02								
50	QPSK	1	1	23.09	23.13	23.06	24.1	0.0
Channel								
Frequency (MHz)								
647668 65000 664334								
3720.02 3840 3960.01								
40	QPSK	1	1	23.09	23.21	23.12	24.1	0.0
Channel								
Frequency (MHz)								
647334 65000 664999								
3715.02 3840 3965.01								
30	QPSK	1	1	23.05	23.13	23.13	24.1	0.0
Channel								
Frequency (MHz)								
647000 65000 665668								
3710.01 3840 3970.02								
20	QPSK	1	1	23.10	23.20	23.05	24.1	0.0
Channel								
Frequency (MHz)								
647168 65000 664834								
3705.02 3840 3975.01								
15	QPSK	1	1	23.10	23.17	23.09	24.1	0.0
Channel								
Frequency (MHz)								
647000 65000 665000								
3705 3840 3975								
10	QPSK	1	1	23.14	23.19	23.10	24.1	0.0

Part270 n78 Ant11 DSI 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3750 3750 3750								
100	Pi2 BPSK	1	1		20.16			
100	Pi2 BPSK	1	137		20.19		21.1	0.0
100	Pi2 BPSK	1	271		20.16			
100	Pi2 BPSK	135	0		20.14		21.1	0.0
100	Pi2 BPSK	135	69		20.18		21.1	0.0
100	Pi2 BPSK	135	138		20.14		21.1	0.0
100	Pi2 BPSK	270	0		20.13			
100	QPSK	1	1		20.23			
100	QPSK	1	137		19.91		21.1	0.0
100	QPSK	1	271		20.06			
100	QPSK	135	0		20.11		21.1	0.0
100	QPSK	135	69		20.21		21.1	0.0
100	QPSK	135	138		20.12			
100	QPSK	270	0		20.14			
100	16QAM	1	1		20.05		21.1	0.0
100	16QAM	1	1		20.17		21.1	0.0
100	256QAM	1	1		20.14		21.1	0.0
Channel								
Frequency (MHz)								
648998 65000 660334								
3745.02 3750 3755.01								
90	QPSK	1	1		20.08		20.09	19.96
Channel								
Frequency (MHz)								
649334 65000 660998								
3740.01 3750 3760.02								
80	QPSK	1	1		20.01		20.09	19.94
Channel								
Frequency (MHz)								
649000 65000 661000								
3735 3750 3765								
70	QPSK	1	1		20.04		20.10	19.95
Channel								
Frequency (MHz)								
648668 65000 661334								
3730.02 3750 3770.01								
60	QPSK	1	1		19.99		20.10	19.98
Channel								
Frequency (MHz)								
648334 65000 661668								
3725.01 3750 3775.02								
50	QPSK	1	1		20.08		20.06	19.98
Channel								
Frequency (MHz)								
647668 65000 662334								
3720.02 3750 3780								
40	QPSK	1	1		20.01		20.04	19.90
Channel								
Frequency (MHz)								
647334 65000 662668								
3715.02 3750 3785.01								
30	QPSK	1	1		20.09		20.10	19.92
Channel								
Frequency (MHz)								
647000 65000 662998								
3710.01 3750 3790.02								
20	QPSK	1	1		20.07		20.07	19.97
Channel								
Frequency (MHz)								
647168 65000 662834								
3705.02 3750 3792.01								
15	QPSK	1	1		20.00		20.04	19.98
Channel								
Frequency (MHz)								
647000 65000 663000								
3705 3750 3795								
10	QPSK	1	1		20.05		20.03	19.99



Part270 n78 PC2 Ant11 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3760	3760	3760			
100	PI/2 BPSK	1	1		23.08				
100	PI/2 BPSK	1	137		23.08		24.1	0.0	
100	PI/2 BPSK	1	271		23.05		24.1	0.0	
100	PI/2 BPSK	135	0		23.07		24.1	0.0	
100	PI/2 BPSK	135	89		23.13		24.1	0.0	
100	PI/2 BPSK	135	138		23.07		24.1	0.0	
100	PI/2 BPSK	270	0		23.11		24.1	0.0	
100	QPSK	1	1		23.18				
100	QPSK	1	137		23.08		24.1	0.0	
100	QPSK	1	271		23.00				
100	QPSK	135	0		23.11		24.1	0.0	
100	QPSK	135	89		23.17		24.1	0.0	
100	QPSK	135	138		23.16		24.1	0.0	
100	QPSK	270	0		23.12		24.1	0.0	
100	16QAM	1	1		23.08		24.1	0.0	
100	16QAM	1	1		23.16		24.1	0.0	
100	256QAM	1	1		21.22		22.5	1.6	
Channel				649688	650000	650334		MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		23.08	23.10	23.04	24.1	0.0
Channel				649334	650000	650668		MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		23.05	23.07	22.99	24.1	0.0
Channel				649000	650000	651000		MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.99	23.10	23.03	24.1	0.0
Channel				648668	650000	651334		MPR	
Frequency (MHz)				3730.02	3750	3750.01			
60	QPSK	1	1		23.08	23.08	22.99	24.1	0.0
Channel				648334	650000	651668		MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		23.01	23.08	23.05	24.1	0.0
Channel				648000	650000	652000		MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		23.00	23.07	23.03	24.1	0.0
Channel				647668	650000	652334		MPR	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		23.03	23.14	23.03	24.1	0.0
Channel				647334	650000	652668		MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		23.04	23.08	23.06	24.1	0.0
Channel				647168	650000	652334		MPR	
Frequency (MHz)				3707.52	3750	3782.51			
15	QPSK	1	1		23.04	23.14	23.06	24.1	0.0
Channel				647000	650000	653000		MPR	
Frequency (MHz)				3705	3750	3785			
10	QPSK	1	1		23.07	23.13	22.98	24.1	0.0



Reduced Power Mode for DSI4 sensor off

Part270 n77 Ant11 DSI 4 Sensor Off									
BW [MHz]	Modulation	RB 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	20.68	20.74	20.73			
100	PI2 BPSK	1	137	20.67	20.82	20.78	22.1	0.0	
100	PI2 BPSK	1	271	20.68	20.80	20.73			
100	PI2 BPSK	135	0	20.67	20.78	20.68	22.1	0.0	
100	PI2 BPSK	135	69	20.70	20.80	20.75	22.1	0.0	
100	PI2 BPSK	135	138	20.68	20.79	20.71	22.1	0.0	
100	PI2 BPSK	270	0	20.71	20.82	20.68			
100	QPSK	1	1	20.83	21.08	20.92			
100	QPSK	1	137	20.66	20.66	20.59	22.1	0.0	
100	QPSK	1	271	20.77	20.86	20.80			
100	QPSK	135	0	20.68	20.83	20.72	22.1	0.0	
100	QPSK	135	69	20.72	20.99	20.80	22.1	0.0	
100	QPSK	135	138	20.56	20.59	20.52	22.1	0.0	
100	QPSK	270	0	20.65	20.63	20.73			
100	16QAM	1	1	20.66	20.80	20.72	22.1	0.0	
100	64QAM	1	1	20.66	20.81	20.74	22.1	0.0	
100	256QAM	1	1	20.66	20.73	20.69	22.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.72	20.81	20.74	22.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.68	20.80	20.69	22.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.66	20.80	20.71	22.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.72	20.74	20.72	22.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.67	20.77	20.74	22.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.67	20.75	20.74	22.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.65	20.81	20.72	22.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.72	20.74	20.69	22.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.74	20.76	20.73	22.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.65	20.77	20.70	22.1	0.0	

Part270 n77 PC2 Ant11 DSI 4 Sensor Off									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.77	23.88	23.83			
100	PI2 BPSK	1	137	23.77	23.87	23.78	25.1	0.0	
100	PI2 BPSK	1	271	23.73	23.93	23.85			
100	PI2 BPSK	135	0	23.80	23.87	23.80	25.1	0.0	
100	PI2 BPSK	135	69	23.82	23.82	23.84	25.1	0.0	
100	PI2 BPSK	135	138	23.75	23.91	23.84	25.1	0.0	
100	PI2 BPSK	270	0	23.81	23.87	23.82			
100	QPSK	1	1	23.96	24.21	24.02			
100	QPSK	1	137	23.71	23.72	23.68	25.1	0.0	
100	QPSK	1	271	23.88	23.96	23.89			
100	QPSK	135	0	23.81	23.96	23.85	25.1	0.0	
100	QPSK	135	69	23.87	24.07	23.89	25.1	0.0	
100	QPSK	135	138	23.63	23.65	23.65	25.1	0.0	
100	QPSK	270	0	23.76	23.95	23.86			
100	16QAM	1	1	23.79	23.87	23.85	25.1	0.0	
100	64QAM	1	1	23.19	23.22	23.14	24.5	0.6	
100	256QAM	1	1	21.08	21.20	21.10	22.5	2.6	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.86	24.10	24.01	25.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.91	24.19	23.99	25.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.91	24.13	23.99	25.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.95	24.19	23.90	25.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.89	24.17	23.99	25.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.88	24.12	24.01	25.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.89	24.13	23.96	25.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.88	24.17	23.91	25.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.89	24.17	23.91	25.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.86	24.15	23.95	25.1	0.0	

Part270 n78 Ant11 DSI 4 Sensor Off									
BW [MHz]	Modulation	RB 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		20.69				
100	PI2 BPSK	1	137		20.76		22.1	0.0	
100	PI2 BPSK	1	271		20.79				
100	PI2 BPSK	135	0		20.74		22.1	0.0	
100	PI2 BPSK	135	69		20.74		22.1	0.0	
100	PI2 BPSK	135	138		20.76		22.1	0.0	
100	PI2 BPSK	270	0		20.74				
100	QPSK	1	1		21.00				
100	QPSK	1	137		20.57		22.1	0.0	
100	QPSK	1	271		20.83				
100	QPSK	135	0		20.78		22.1	0.0	
100	QPSK	135	69		20.93		22.1	0.0	
100	QPSK	135	138		20.54		22.1	0.0	
100	QPSK	270	0		20.72				
100	16QAM	1	1		20.70		22.1	0.0	
100	64QAM	1	1		20.19		22.1	0.0	
100	256QAM	1	1		20.19		22.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1		20.64		20.78	20.71	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		20.69	20.73	20.64	22.1	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		20.67	20.78	20.66	22.1	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		20.66	20.76	20.65	22.1	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		20.75	20.78	20.72	22.1	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		20.67	20.71	20.66	22.1	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		20.68	20.77	20.67	22.1	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		20.69	20.75	20.65	22.1	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1		20.63	20.79	20.65	22.1	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1		20.65	20.79	20.73	22.1	0.0



Part270 n78 PC2 Ant11 DSI 4 Sensor Off									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3760	3760	3760			
100	PI2 BPSK	1	1		23.82				
100	PI2 BPSK	1	137		23.79		25.1	0.0	
100	PI2 BPSK	1	271		23.85				
100	PI2 BPSK	135	0		23.78		25.1	0.0	
100	PI2 BPSK	135	69		23.84		25.1	0.0	
100	PI2 BPSK	135	138		23.88				
100	PI2 BPSK	270	0		23.78		25.1	0.0	
100	QPSK	1	1		24.19				
100	QPSK	1	137		23.81		25.1	0.0	
100	QPSK	1	271		23.92				
100	QPSK	135	0		23.90		25.1	0.0	
100	QPSK	135	69		23.98		25.1	0.0	
100	QPSK	135	138		23.57		25.1	0.0	
100	QPSK	270	0		23.89				
100	16QAM	1	1		23.78		25.1	0.0	
100	64QAM	1	1		23.25		24.5	0.6	
100	256QAM	1	1		21.22		22.5	2.6	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3760	3765.01	(dBm)	(dB)	
90	QPSK	1	1		23.83	24.00	23.99	25.1	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3760	3760.02	(dBm)	(dB)	
80	QPSK	1	1		23.84	24.02	23.98	25.1	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3760	3765	(dBm)	(dB)	
70	QPSK	1	1		23.79	24.02	23.97	25.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3760	3770.01	(dBm)	(dB)	
60	QPSK	1	1		23.80	24.07	23.90	25.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3760	3775.02	(dBm)	(dB)	
50	QPSK	1	1		23.80	24.05	23.94	25.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3760	3760	(dBm)	(dB)	
40	QPSK	1	1		23.80	24.01	23.91	25.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3760	3765.01	(dBm)	(dB)	
30	QPSK	1	1		23.83	24.01	23.92	25.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3760	3760.02	(dBm)	(dB)	
20	QPSK	1	1		23.81	24.07	23.93	25.1	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3760	3762.51	(dBm)	(dB)	
15	QPSK	1	1		23.83	24.07	23.93	25.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3760	3795	(dBm)	(dB)	
10	QPSK	1	1		23.79	24.09	23.99	25.1	0.0



Reduced Power Mode for DSI6

n5 Ant0 DSI 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				167300	167300	167300			
25	PI2 BPSK	1	1	23.14			24.0	0.0	
25	PI2 BPSK	1	67	22.93					
25	PI2 BPSK	1	131	23.20					
25	PI2 BPSK	64	0	22.44			23.5	0.5	
25	PI2 BPSK	64	35	22.87			24.0	0.0	
25	PI2 BPSK	64	69	22.45			23.5	0.5	
25	PI2 BPSK	128	0	22.46					
25	QPSK	1	1	23.24			24.0	0.0	
25	QPSK	1	67	22.93					
25	QPSK	1	131	23.17					
25	QPSK	64	0	21.99			23.0	1.0	
25	QPSK	64	35	22.98			24.0	0.0	
25	QPSK	64	69	22.05			23.0	1.0	
25	QPSK	128	0	22.00			23.0	1.0	
25	16QAM	1	1	22.42			23.0	1.0	
25	64QAM	1	1	20.88			21.5	2.5	
25	256QAM	1	1	18.87			19.5	4.5	
Channel									
Frequency (MHz)				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.16	23.13	23.17	0.0	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.12	23.11	23.15	24.0	0.0	
Channel									
Frequency (MHz)				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.15	23.15	23.19	24.0	0.0	
Channel									
Frequency (MHz)				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.13	23.20	23.13	24.0	0.0	

n26 Ant0 DSI 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				164800	165300	165800			
20	PI2 BPSK	1	1	22.44	22.50	22.34	24.0	0.0	
20	PI2 BPSK	1	53	22.54	22.53	22.46			
20	PI2 BPSK	1	104	22.46	22.54	22.45			
20	PI2 BPSK	50	0	21.90	22.06	21.94	23.5	0.5	
20	PI2 BPSK	50	29	22.48	22.54	22.43	24.0	0.0	
20	PI2 BPSK	50	58	22.03	22.10	21.84	23.5	0.5	
20	PI2 BPSK	100	0	21.97	22.09	21.97			
20	QPSK	1	1	22.72	22.91	22.53	24.0	0.0	
20	QPSK	1	53	22.46	22.56	22.49			
20	QPSK	1	104	22.47	22.53	22.40			
20	QPSK	50	0	21.30	21.52	21.38	23.0	1.0	
20	QPSK	50	28	22.48	22.53	22.37	24.0	0.0	
20	QPSK	50	56	21.45	21.53	21.55	23.0	1.0	
20	QPSK	100	0	21.46	21.54	21.48			
20	16QAM	1	1	21.47	21.60	21.49	23.0	1.0	
20	64QAM	1	1	20.02	20.10	19.85	21.5	2.5	
20	256QAM	1	1	18.24	18.22	18.13	19.5	4.5	
Channel									
Frequency (MHz)				164300	165300	166300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.63	22.86	22.50	24.0	0.0	
Channel									
Frequency (MHz)				163800	165300	166800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.63	22.78	22.40	24.0	0.0	
Channel									
Frequency (MHz)				163300	165300	165900	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.68	22.80	22.48	24.0	0.0	

n71 Ant0 DSI 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				135800	136100	136600			
30	PI2 BPSK	1	1	23.08	23.13	23.10	24.0	0.0	
30	PI2 BPSK	1	80	22.77	22.83	22.79			
30	PI2 BPSK	1	158	22.81	22.87	22.86			
30	PI2 BPSK	80	0	22.37	22.45	22.44	23.5	0.5	
30	PI2 BPSK	80	40	22.86	22.94	22.86	24.0	0.0	
30	PI2 BPSK	80	80	22.83	22.88	22.73	23.5	0.5	
30	PI2 BPSK	160	0	22.33	22.47	22.33			
30	QPSK	1	1	23.14	23.22	23.14	24.0	0.0	
30	QPSK	1	83	22.84	22.92	22.77			
30	QPSK	1	159	22.87	22.91	22.85			
30	QPSK	80	0	21.89	21.95	21.85	23.0	1.0	
30	QPSK	80	40	22.84	22.90	22.85	24.0	0.0	
30	QPSK	80	80	21.89	21.85	21.82	23.0	1.0	
30	QPSK	160	0	21.88	21.95	21.82			
30	16QAM	1	1	22.21	22.34	22.17	23.0	1.0	
30	64QAM	1	1	20.73	20.86	20.83	21.5	2.5	
30	256QAM	1	1	18.79	18.84	18.70	19.5	4.5	
Channel									
Frequency (MHz)				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	23.02	23.17	23.06	24.0	0.0	
Channel									
Frequency (MHz)				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.09	23.15	23.09	24.0	0.0	
Channel									
Frequency (MHz)				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.03	23.13	23.07	24.0	0.0	
Channel									
Frequency (MHz)				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.04	23.12	23.07	24.0	0.0	
Channel									
Frequency (MHz)				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.01	23.18	23.02	24.0	0.0	



n7 Ant1 DSI 6

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel	50500	50700	51000					
Frequency (MHz)	2520	2535	2550					
40	PI2 BPSK	1	1	20.94	21.08	21.04		
40	PI2 BPSK	1	108	20.93	21.02	21.00	22.2	0.0
40	PI2 BPSK	1	214	20.96	21.06	21.03		
40	PI2 BPSK	108	0	20.97	21.01	21.01	22.2	0.0
40	PI2 BPSK	108	54	20.99	21.00	21.01	22.2	0.0
40	PI2 BPSK	108	108	21.01	21.05	20.97	22.2	0.0
40	PI2 BPSK	216	0	20.96	21.01	21.00		
40	QPSK	1	1	21.14	21.19	21.09		
40	QPSK	1	108	21.02	21.07	20.92	22.2	0.0
40	QPSK	1	214	20.92	21.04	20.99		
40	QPSK	108	0	21.01	21.03	21.03	22.2	0.0
40	QPSK	108	54	21.04	21.11	21.06	22.2	0.0
40	QPSK	108	108	20.96	20.99	20.88	22.2	0.0
40	QPSK	216	0	20.84	21.03	20.93		
40	16QAM	1	1	21.03	21.07	20.98	22.2	0.0
40	64QAM	1	1	20.72	20.84	20.81	21.5	0.7
40	256QAM	1	1	18.75	18.87	18.84	19.5	2.7
Channel	50350	50700	51100					
Frequency (MHz)	2515	2535	2555					
30	QPSK	1	1	20.97	21.09	21.05	22.2	0.0
Channel	50250	50700	51150					
Frequency (MHz)	2512.5	2535	2577.5					
25	QPSK	1	1	21.02	21.07	21.00	22.2	0.0
Channel	50200	50700	51200					
Frequency (MHz)	2510	2535	2560					
20	PI2 BPSK	1	1	21.01	21.00	20.97	22.2	0.0
Channel	50150	50700	51250					
Frequency (MHz)	2507.5	2535	2567.5					
15	QPSK	1	1	20.94	21.05	20.95	22.2	0.0
Channel	50100	50700	51300					
Frequency (MHz)	2505	2535	2565					
10	QPSK	1	1	20.94	21.06	21.04	22.2	0.0
Channel	50050	50700	51350					
Frequency (MHz)	2502.5	2535	2567.5					
5	QPSK	1	1	21.01	21.10	21.04	22.2	0.0



n38 Ant1 DSI 6							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2590.02	2595	2599.98	
Frequency (MHz)				5190.04	5190.00	5199.96	
40	PI/2 BPSK	1	1	21.38	21.45	21.36	
40	PI/2 BPSK	1	53	21.29	21.45	21.35	22.7
40	PI/2 BPSK	1	104	21.38	21.45	21.36	
40	PI/2 BPSK	50	0	21.32	21.45	21.33	22.7
40	PI/2 BPSK	50	28	21.38	21.44	21.42	22.7
40	PI/2 BPSK	50	56	21.33	21.46	21.40	22.7
40	PI/2 BPSK	100	0	21.31	21.43	21.34	
40	QPSK	1	1	21.42	21.50	21.46	
40	QPSK	1	53	21.38	21.49	21.32	22.7
40	QPSK	1	104	21.35	21.45	21.35	
40	QPSK	50	0	21.34	21.40	21.42	22.7
40	QPSK	50	28	21.38	21.46	21.38	22.7
40	QPSK	50	56	21.24	21.41	21.23	22.7
40	QPSK	100	0	21.28	21.42	21.27	
40	16QAM	1	1	21.33	21.46	21.38	22.7
40	16QAM	1	1	20.91	20.91	20.82	21.5
40	256QAM	1	1	18.85	18.89	18.72	19.5
Channel				5170.02	5190.00	5209.98	
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	21.38	21.47	21.43	22.7
Channel				516000	519000	522000	
Frequency (MHz)				2570	2595	2610	
20	QPSK	1	1	21.32	21.47	21.37	22.7
Channel				515502	519000	522498	
Frequency (MHz)				2677.51	2595	2612.48	
15	QPSK	1	1	21.30	21.46	21.35	22.7
Channel				515004	519000	522996	
Frequency (MHz)				2672.02	2595	2614.98	
10	QPSK	1	1	21.34	21.44	21.43	22.7

n41 Ant1 DSI 6							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2546.01	2592.99	2640	
Frequency (MHz)				5092.02	5185.98	5280.00	
100	PI/2 BPSK	1	1	21.44	21.49	21.44	
100	PI/2 BPSK	1	137	21.34	21.46	21.42	22.7
100	PI/2 BPSK	1	271	21.44	21.51	21.38	
100	PI/2 BPSK	135	0	21.38	21.49	21.42	22.7
100	PI/2 BPSK	135	69	21.45	21.50	21.48	22.7
100	PI/2 BPSK	135	138	21.39	21.47	21.46	22.7
100	PI/2 BPSK	270	0	21.33	21.50	21.41	
100	QPSK	1	1	21.51	21.52	21.49	
100	QPSK	1	137	21.38	21.50	21.34	22.7
100	QPSK	1	271	21.41	21.48	21.44	
100	QPSK	135	0	21.36	21.45	21.41	22.7
100	QPSK	135	69	21.46	21.47	21.44	22.7
100	QPSK	135	138	21.28	21.45	21.33	22.7
100	QPSK	270	0	21.27	21.46	21.37	
100	16QAM	1	1	21.36	21.51	21.42	22.7
100	16QAM	1	1	20.66	20.64	20.59	21.5
100	256QAM	1	1	18.67	18.69	18.59	19.5
Channel				506300	518598	529898	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	21.49	21.50	21.39	22.7
Channel				507204	518598	529898	
Frequency (MHz)				2536.02	2592.99	2644.98	
80	QPSK	1	1	21.45	21.42	21.43	22.7
Channel				506202	518598	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	21.40	21.43	21.45	22.7
Channel				505200	518598	531998	
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	21.41	21.46	21.43	22.7
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	21.45	21.44	21.45	22.7
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	21.47	21.49	21.47	22.7
Channel				502200	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	21.43	21.44	21.42	22.7
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	21.50	21.42	21.46	22.7
Channel				500700	518598	536998	
Frequency (MHz)				2501.5	2592.99	2684.48	
15	QPSK	1	1	21.48	21.46	21.46	22.7
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	21.45	21.42	21.46	22.7



Part270 n77 Ant2 DSI 6

BW (MHz)	Modulation	RB 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	17.33	17.49	17.48		
100	PI2 BPSK	1	137	17.36	17.51	17.46		0.0
100	PI2 BPSK	1	271	17.39	17.52	17.42		
100	PI2 BPSK	135	6	17.34	17.50	17.45	19.1	0.0
100	PI2 BPSK	135	69	17.39	17.53	17.47	19.1	0.0
100	PI2 BPSK	135	138	17.35	17.53	17.48	19.1	0.0
100	PI2 BPSK	270	0	17.29	17.45	17.51		
100	QPSK	1	1	17.52	17.64	17.59		
100	QPSK	1	137	17.42	17.58	17.54	19.1	0.0
100	QPSK	1	271	17.62	17.61	17.61		
100	QPSK	135	0	17.34	17.47	17.45	19.1	0.0
100	QPSK	135	69	17.41	17.60	17.49	19.1	0.0
100	QPSK	135	138	17.38	17.46	17.43	19.1	0.0
100	QPSK	270	0	17.51	17.58	17.51		
100	16QAM	1	1	17.39	17.51	17.43	19.1	0.0
100	16QAM	1	1	17.33	17.55	17.50	19.1	0.0
100	256QAM	1	1	17.34	17.54	17.41	19.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.36	17.53	17.51	19.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.52	17.47	17.48	19.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.39	17.49	17.45	19.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.30	17.50	17.49	19.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.31	17.52	17.43	19.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.31	17.47	17.51	19.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.37	17.53	17.49	19.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.37	17.54	17.49	19.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.34	17.48	17.50	19.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.39	17.54	17.51	19.1	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.33	20.52	20.47		
100	PI2 BPSK	1	137	20.39	20.55	20.45	22.1	0.0
100	PI2 BPSK	1	271	20.37	20.50	20.43		
100	PI2 BPSK	135	6	20.36	20.51	20.47	22.1	0.0
100	PI2 BPSK	135	69	20.36	20.58	20.51	22.1	0.0
100	PI2 BPSK	135	138	20.37	20.56	20.44	22.1	0.0
100	PI2 BPSK	270	0	20.29	20.41	20.48		
100	QPSK	1	1	20.55	20.87	20.54		
100	QPSK	1	137	20.41	20.53	20.58	22.1	0.0
100	QPSK	1	271	20.64	20.61	20.59		
100	QPSK	135	0	20.36	20.51	20.45	22.1	0.0
100	QPSK	135	69	20.40	20.84	20.48	22.1	0.0
100	QPSK	135	138	20.37	20.42	20.44	22.1	0.0
100	QPSK	270	0	20.54	20.58	20.50		
100	16QAM	1	1	20.34	20.55	20.46	22.1	0.0
100	16QAM	1	1	20.30	20.54	20.52	22.1	0.0
100	256QAM	1	1	20.31	20.53	20.40	22.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.46	20.56	20.50	22.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.51	20.54	20.42	22.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.47	20.64	20.51	22.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.48	20.55	20.43	22.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.47	20.56	20.46	22.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.44	20.62	20.42	22.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.45	20.55	20.45	22.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.52	20.59	20.47	22.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.51	20.82	20.49	22.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.46	20.58	20.51	22.1	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		17.43			
100	PI2 BPSK	1	137		17.46		19.1	0.0
100	PI2 BPSK	1	271		17.49			
100	PI2 BPSK	135	0		17.43		19.1	0.0
100	PI2 BPSK	135	69		17.47		19.1	0.0
100	PI2 BPSK	135	138		17.41		19.1	0.0
100	PI2 BPSK	270	0		17.41			
100	QPSK	1	1		17.59			
100	QPSK	1	137		17.52		19.1	0.0
100	QPSK	1	271		17.57			
100	QPSK	135	0		17.36		19.1	0.0
100	QPSK	135	69		17.52		19.1	0.0
100	QPSK	135	138		17.36		19.1	0.0
100	QPSK	270	0		17.48			
100	16QAM	1	1		17.42		19.1	0.0
100	16QAM	1	1		17.46		19.1	0.0
100	256QAM	1	1		17.47		19.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.26	17.46	17.41	19.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.21	17.45	17.26	19.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.32	17.45	17.48	19.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.27	17.44	17.42	19.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.27	17.46	17.48	19.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.25	17.43	17.46	19.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.25	17.44	17.45	19.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.33	17.46	17.42	19.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.28	17.49	17.41	19.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.30	17.45	17.43	19.1	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3760	3760		
100	PI2 BPSK	1	1		20.47			
100	PI2 BPSK	1	137		20.49		22.1	0.0
100	PI2 BPSK	1	271		20.44		22.1	0.0
100	PI2 BPSK	135	0		20.43		22.1	0.0
100	PI2 BPSK	135	69		20.54		22.1	0.0
100	PI2 BPSK	135	138		20.63		22.1	0.0
100	PI2 BPSK	270	0		20.28			
100	QPSK	1	1		20.58			
100	QPSK	1	137		20.48		22.1	0.0
100	QPSK	1	271		20.54			
100	QPSK	135	0		20.40		22.1	0.0
100	QPSK	135	69		20.58		22.1	0.0
100	QPSK	135	138		20.35			
100	QPSK	270	0		20.48		22.1	0.0
100	16QAM	1	1		20.45		22.1	0.0
100	16QAM	1	1		20.46		22.1	0.0
100	256QAM	1	1		20.41		22.1	0.0
Channel				649688	650000	650334		MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.40	20.50	20.40	22.1	0.0
Channel				649334	650000	650668		MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.39	20.50	20.37	22.1	0.0
Channel				649000	650000	651000		MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.43	20.46	20.44	22.1	0.0
Channel				648668	650000	651334		MPR
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	20.40	20.51	20.45	22.1	0.0
Channel				648334	650000	651668		MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.34	20.47	20.45	22.1	0.0
Channel				648000	650000	652000		MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.39	20.45	20.37	22.1	0.0
Channel				647668	650000	652334		MPR
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	20.39	20.49	20.43	22.1	0.0
Channel				647334	650000	652668		MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.39	20.52	20.38	22.1	0.0
Channel				647168	650000	652334		MPR
Frequency (MHz)				3707.52	3750	3782.51		
15	QPSK	1	1	20.33	20.49	20.44	22.1	0.0
Channel				647000	650000	653000		MPR
Frequency (MHz)				3705	3750	3785		
10	QPSK	1	1	20.40	20.44	20.40	22.1	0.0



n5 Ant4 DSI 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				167900					
Frequency (MHz)				836.5					
25	PI2 BPSK	1	1	22.24					
25	PI2 BPSK	1	67	22.22			24.0	0.0	
25	PI2 BPSK	1	131	22.21					
25	PI2 BPSK	64	0	21.81			23.5	0.5	
25	PI2 BPSK	64	35	22.15			24.0	0.0	
25	PI2 BPSK	64	69	21.86			23.5	0.5	
25	PI2 BPSK	128	0	21.90			24.0	0.0	
25	QPSK	1	1	22.46					
25	QPSK	1	67	22.40			24.0	0.0	
25	QPSK	1	131	22.41					
25	QPSK	64	0	21.30			23.0	1.0	
25	QPSK	64	35	22.15			24.0	0.0	
25	QPSK	64	69	21.21			23.0	1.0	
25	QPSK	128	0	21.10					
25	16QAM	1	1	21.44			23.0	1.0	
25	16QAM	1	1	19.83			21.5	2.5	
25	256QAM	1	1	17.75			19.5	4.5	
Channel				168800	167300	167800	Tune-up limit	MPR	
Frequency (MHz)				834	836.5	839	(dBm)	(dB)	
20	QPSK	1	1	22.34	22.27	22.30	0.0	0.0	
Channel				168300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.28	22.30	22.29	24.0	0.0	
Channel				165900	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.31	22.28	22.30	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.36	22.27	22.26	24.0	0.0	

n7 For ENDC Ant4 DSI 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				507000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	18.92	18.99	18.93			
40	PI2 BPSK	1	108	18.94	18.95	18.95	20.2	0.0	
40	PI2 BPSK	1	214	18.95	19.02	18.95			
40	PI2 BPSK	108	0	18.91	18.96	18.88	20.2	0.0	
40	PI2 BPSK	108	54	18.95	19.01	18.93	20.2	0.0	
40	PI2 BPSK	108	108	18.89	18.99	18.87	20.2	0.0	
40	PI2 BPSK	216	0	18.93	18.97	18.91			
40	QPSK	1	1	19.15	19.22	19.07			
40	QPSK	1	108	19.02	19.06	19.00	20.2	0.0	
40	QPSK	1	214	19.05	19.10	19.04			
40	QPSK	108	0	18.98	19.00	18.94	20.2	0.0	
40	QPSK	108	54	19.08	19.12	18.94	20.2	0.0	
40	QPSK	108	108	18.91	18.98	18.96	20.2	0.0	
40	QPSK	216	0	19.00	19.07	18.96			
40	16QAM	1	1	18.94	19.03	18.96	20.2	0.0	
40	16QAM	1	1	18.91	18.94	18.94	20.2	0.0	
40	256QAM	1	1	18.74	18.79	18.71	19.5	0.7	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	18.96	18.94	18.89	20.2	0.0	
Channel				502000	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	18.92	18.99	18.87	20.2	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	PI2 BPSK	1	1	18.95	18.98	18.96	20.2	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	18.97	18.95	18.90	20.2	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	18.95	18.95	18.89	20.2	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	18.99	19.01	18.90	20.2	0.0	

n26 Ant4 DSI 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	21.36	21.50	21.45			
20	PI2 BPSK	1	53	21.28	21.42	21.31	23.0	0.0	
20	PI2 BPSK	1	104	21.32	21.35	21.29			
20	PI2 BPSK	50	0	20.83	20.87	20.77	22.5	0.5	
20	PI2 BPSK	50	28	21.16	21.29	21.22	23.0	0.0	
20	PI2 BPSK	50	56	20.89	20.95	20.84	22.5	0.5	
20	PI2 BPSK	100	0	20.87	20.93	20.79			
20	QPSK	1	1	21.85	21.99	21.88			
20	QPSK	1	53	21.50	21.52	21.42	23.0	0.0	
20	QPSK	1	104	21.31	21.43	21.39			
20	QPSK	50	0	20.31	20.40	20.32	22.0	1.0	
20	QPSK	50	28	21.28	21.34	21.32	23.0	0.0	
20	QPSK	50	56	20.37	20.48	20.42	22.0	1.0	
20	QPSK	100	0	20.41	20.46	20.42			
20	16QAM	1	1	20.51	20.62	20.51	22.0	1.0	
20	16QAM	1	1	18.99	19.08	19.05	20.5	2.5	
20	256QAM	1	1	17.22	17.25	17.18	18.5	4.5	
Channel				164300	166300	168300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	21.51	21.56	21.44	23.0	0.0	
Channel				163800	166300	168800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	21.53	21.51	21.40	23.0	0.0	
Channel				163300	166300	169300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	21.46	21.53	21.35	23.0	0.0	



n71 Ant4 DSI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				136600	136100	136600		
Frequency (MHz)				678	680.5	683		
30	PI/2 BPSK	1	1	22.94	23.01	22.96		
30	PI/2 BPSK	1	80	22.72	22.63	22.80	24.0	0.0
30	PI/2 BPSK	1	158	22.75	22.92	22.77		
30	PI/2 BPSK	80	0	22.35	22.41	22.29	23.5	0.5
30	PI/2 BPSK	80	40	22.80	22.85	22.77	24.0	0.0
30	PI/2 BPSK	80	80	22.76	22.80	22.71		
30	PI/2 BPSK	160	0	22.36	22.31	22.37		
30	QPSK	1	1	22.95	23.00	23.04		
30	QPSK	1	80	22.87	23.00	22.88	24.0	0.0
30	QPSK	1	158	22.92	22.95	22.92		
30	QPSK	80	0	21.80	21.93	21.91	23.0	1.0
30	QPSK	80	40	22.80	22.88	22.74	24.0	0.0
30	QPSK	80	80	21.72	21.77	21.87		
30	QPSK	160	0	21.84	21.88	21.81	23.0	1.0
30	16QAM	1	1	22.20	22.32	22.17	23.0	1.0
30	16QAM	1	1	20.58	20.70	20.89	21.5	2.5
30	256QAM	1	1	18.76	18.91	18.87	19.5	4.5
Channel				137100	137100	137100		
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	22.80	22.96	22.88	24.0	0.0
Channel				134600	136100	137600		
Frequency (MHz)				672	680.5	688		
20	QPSK	1	1	22.80	23.02	22.97	24.0	0.0
Channel				134100	135100	136100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.88	22.96	22.99	24.0	0.0
Channel				133600	136100	138600		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.85	23.00	22.99	24.0	0.0
Channel				133100	136100	139100		
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.87	22.94	22.98	24.0	0.0



Part270 n77 Ant5 DSI 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	17.07	17.24	17.14		
100	PI2 BPSK	1	137	17.09	17.20	17.12		0.0
100	PI2 BPSK	1	271	17.07	17.22	17.12		
100	PI2 BPSK	138	0	17.07	17.18	17.14	18.5	0.0
100	PI2 BPSK	138	69	17.05	17.28	17.21	18.5	0.0
100	PI2 BPSK	138	138	17.11	17.19	17.19	18.5	0.0
100	PI2 BPSK	270	0	17.13	17.27	17.14		
100	QPSK	1	1	17.27	17.34	17.28		
100	QPSK	1	137	17.14	17.25	17.22	18.5	0.0
100	QPSK	1	271	17.19	17.30	17.28		
100	QPSK	138	0	17.08	17.22	17.20	18.5	0.0
100	QPSK	138	69	17.19	17.30	17.18	18.5	0.0
100	QPSK	138	138	17.11	17.28	17.13	18.5	0.0
100	QPSK	270	0	17.17	17.25	17.22		
100	16QAM	1	1	17.06	17.24	17.13	18.5	0.0
100	16QAM	1	1	17.03	17.20	17.12	18.5	0.0
100	256QAM	1	1	15.93	15.98	15.90	17.5	1.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.10	17.24	17.11	18.5	0.0
Channel								
Frequency (MHz)				649334	650000	649668		
80	QPSK	1	1	17.11	17.20	17.19	18.5	0.0
Channel								
Frequency (MHz)				649000	650000	649000		
70	QPSK	1	1	17.10	17.25	17.20	18.5	0.0
Channel								
Frequency (MHz)				648668	650000	648334		
60	QPSK	1	1	17.06	17.27	17.14	18.5	0.0
Channel								
Frequency (MHz)				648334	650000	648668		
50	QPSK	1	1	17.07	17.21	17.20	18.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.05	17.24	17.21	18.5	0.0
Channel								
Frequency (MHz)				647668	650000	648334		
30	QPSK	1	1	17.06	17.27	17.19	18.5	0.0
Channel								
Frequency (MHz)				647334	650000	646668		
20	QPSK	1	1	17.13	17.28	17.13	18.5	0.0
Channel								
Frequency (MHz)				647168	650000	648334		
15	QPSK	1	1	17.06	17.20	17.15	18.5	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.12	17.24	17.14	18.5	0.0

Part270 n77 PC2 Ant5 DSI 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	20.09	20.26	20.15		
100	PI2 BPSK	1	137	20.10	20.18	20.07		0.0
100	PI2 BPSK	1	271	20.04	20.22	20.08		
100	PI2 BPSK	138	0	20.07	20.22	20.14	21.5	0.0
100	PI2 BPSK	138	69	20.04	20.25	20.23	21.5	0.0
100	PI2 BPSK	138	138	20.10	20.22	20.23	21.5	0.0
100	PI2 BPSK	270	0	20.15	20.30	20.18		
100	QPSK	1	1	20.28	20.45	20.28		
100	QPSK	1	137	20.16	20.28	20.17	21.5	0.0
100	QPSK	1	271	20.23	20.32	20.24		
100	QPSK	138	0	20.11	20.23	20.24	21.5	0.0
100	QPSK	138	69	20.21	20.28	20.20	21.5	0.0
100	QPSK	138	138	20.10	20.25	20.10	21.5	0.0
100	QPSK	270	0	20.12	20.31	20.19		
100	16QAM	1	1	20.08	20.21	20.14	21.5	0.0
100	16QAM	1	1	18.72	18.89	18.84	19.5	2.0
100	256QAM	1	1	16.95	17.13	17.13	17.5	1.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.16	20.17	20.12	21.5	0.0
Channel								
Frequency (MHz)				649334	650000	649668		
80	QPSK	1	1	20.14	20.25	20.15	21.5	0.0
Channel								
Frequency (MHz)				649000	650000	649000		
70	QPSK	1	1	20.19	20.23	20.12	21.5	0.0
Channel								
Frequency (MHz)				648668	650000	648334		
60	QPSK	1	1	20.18	20.19	20.18	21.5	0.0
Channel								
Frequency (MHz)				648334	650000	648668		
50	QPSK	1	1	20.19	20.25	20.10	21.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.18	20.23	20.12	21.5	0.0
Channel								
Frequency (MHz)				647668	650000	648334		
30	QPSK	1	1	20.15	20.22	20.10	21.5	0.0
Channel								
Frequency (MHz)				647334	650000	646668		
20	QPSK	1	1	20.16	20.17	20.10	21.5	0.0
Channel								
Frequency (MHz)				647168	650000	648334		
15	QPSK	1	1	20.14	20.16	20.15	21.5	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.13	20.18	20.19	21.5	0.0

Part270 n78 Ant5 DSI 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	17.07	17.16	17.16		
100	PI2 BPSK	1	137	17.07	17.14	17.14	18.5	0.0
100	PI2 BPSK	1	271	17.07	17.17	17.17		
100	PI2 BPSK	138	0	17.07	17.14	17.14	18.5	0.0
100	PI2 BPSK	138	69	17.05	17.27	17.21	18.5	0.0
100	PI2 BPSK	138	138	17.11	17.14	17.14	18.5	0.0
100	PI2 BPSK	270	0	17.13	17.16	17.16		
100	QPSK	1	1	17.27	17.27	17.27		
100	QPSK	1	137	17.14	17.22	17.22	18.5	0.0
100	QPSK	1	271	17.19	17.28	17.28		
100	QPSK	138	0	17.08	17.14	17.14	18.5	0.0
100	QPSK	138	69	17.19	17.25	17.25	18.5	0.0
100	QPSK	138	138	17.11	17.24	17.24	18.5	0.0
100	QPSK	270	0	17.17	17.22	17.22		
100	16QAM	1	1	17.06	17.20	17.20	18.5	0.0
100	16QAM	1	1	17.03	17.12	17.12	18.5	0.0
100	256QAM	1	1	15.85	15.85	15.85	17.5	1.0
Channel								
Frequency (MHz)				648668	650000	648334		
90	QPSK	1	1	17.06	17.16	17.03	18.5	0.0
Channel								
Frequency (MHz)				649334	650000	649668		
80	QPSK	1	1	17.08	17.21	17.24	18.5	0.0
Channel								
Frequency (MHz)				649000	650000	649000		
70	QPSK	1	1	17.03	17.15	17.01	18.5	0.0
Channel								
Frequency (MHz)				648668	650000	648334		
60	QPSK	1	1	17.06	17.17	17.03	18.5	0.0
Channel								
Frequency (MHz)				648334	650000	648668		
50	QPSK	1	1	17.05	17.21	17.01	18.5	0.0
Channel								
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.05	17.21	17.05	18.5	0.0
Channel								
Frequency (MHz)				647668	650000	648334		
30	QPSK	1	1	17.05	17.13	17.05	18.5	0.0
Channel								
Frequency (MHz)				647334	650000	646668		
20	QPSK	1	1	17.06	17.23	17.05	18.5	0.0
Channel								
Frequency (MHz)				647168	650000	648334		
15	QPSK	1	1	17.01	17.19	17.08	18.5	0.0
Channel								
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.03	17.20	17.09	18.5	0.0



Part270 n78 PC2 Ant5 DSI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.20			
100	PI/2 BPSK	1	137		20.17		21.5	0.0
100	PI/2 BPSK	1	271		20.20		21.5	0.0
100	PI/2 BPSK	135	0		20.17		21.5	0.0
100	PI/2 BPSK	135	69		20.19		21.5	0.0
100	PI/2 BPSK	135	138		20.12		21.5	0.0
100	PI/2 BPSK	270	0		20.24			
100	QPSK	1	1		20.42			
100	QPSK	1	137		20.23		21.5	0.0
100	QPSK	1	271		20.24			
100	QPSK	135	0		20.14		21.5	0.0
100	QPSK	135	69		20.24		21.5	0.0
100	QPSK	135	138		20.20		21.5	0.0
100	QPSK	270	0		20.28			
100	16QAM	1	1		20.13		21.5	0.0
100	16QAM	1	1		18.82		19.5	2.0
100	256QAM	1	1		16.68		17.5	4.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.09	20.08	20.08	21.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.10	20.13	20.03	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.13	20.16	20.10	21.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	20.07	20.12	20.04	21.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.08	20.11	20.09	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.11	20.12	20.11	21.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	20.13	20.10	20.09	21.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.08	20.11	20.10	21.5	0.0
Channel				647168	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3782.51		
15	QPSK	1	1	20.09	20.15	20.08	21.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3785		
10	QPSK	1	1	20.12	20.11	20.09	21.5	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.05	18.71	18.54		
100	PI2 BPSK	1	137	18.71	18.82	18.75		0.0
100	PI2 BPSK	1	271	18.73	18.82	18.89		
100	PI2 BPSK	135	0	18.58	18.74	18.65	19.5	0.0
100	PI2 BPSK	135	69	18.69	18.72	18.64	19.5	0.0
100	PI2 BPSK	135	138	18.03	18.63	18.57	19.5	0.0
100	PI2 BPSK	270	0	18.70	18.75	18.58		
100	QPSK	1	1	18.01	18.99	18.91		
100	QPSK	1	137	18.88	18.81	18.80	19.5	0.0
100	QPSK	1	271	18.87	18.98	18.82		
100	QPSK	135	0	18.69	18.75	18.60	19.5	0.0
100	QPSK	135	69	18.75	18.81	18.80	19.5	0.0
100	QPSK	135	138	18.03	18.79	18.84	19.5	0.0
100	QPSK	270	0	18.68	18.65	18.60	19.5	0.0
100	16QAM	1	1	18.75	18.91	18.75	19.5	0.0
100	16QAM	1	1	18.52	18.10	18.48	19.5	0.0
100	256QAM	1	1	17.09	17.14	17.09	18.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.96	19.04	18.86	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.95	18.99	18.87	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.89	18.97	18.80	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.98	19.00	18.87	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.90	19.04	18.83	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.88	19.06	18.86	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.95	18.97	18.89	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.93	19.03	18.78	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.97	19.01	18.86	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.88	18.97	18.79	19.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.89	22.00	21.93		
100	PI2 BPSK	1	137	21.93	22.00	21.94	22.5	0.0
100	PI2 BPSK	1	271	21.89	21.99	21.93		
100	PI2 BPSK	135	0	21.95	22.04	21.93	22.5	0.0
100	PI2 BPSK	135	69	21.91	22.01	21.91	22.5	0.0
100	PI2 BPSK	135	138	21.78	21.87	21.77	22.5	0.0
100	PI2 BPSK	270	0	21.95	21.92	21.93		
100	QPSK	1	1	21.97	22.09	21.97		
100	QPSK	1	137	22.00	22.05	21.94	22.5	0.0
100	QPSK	1	271	21.91	22.07	21.79		
100	QPSK	135	0	21.35	21.48	21.38	22.0	0.5
100	QPSK	135	69	21.89	22.00	21.90	22.5	0.0
100	QPSK	135	138	21.43	21.53	21.35	22.0	0.5
100	QPSK	270	0	21.22	21.29	21.11		
100	16QAM	1	1	21.43	21.55	21.30	22.0	0.5
100	16QAM	1	1	19.90	20.06	19.87	20.5	2.0
100	256QAM	1	1	17.94	18.04	17.83	18.5	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.93	22.02	21.87	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.95	21.98	21.89	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.91	22.07	21.87	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.98	22.04	21.88	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.90	22.08	21.85	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.90	21.99	21.90	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.89	22.03	21.84	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.91	22.03	21.95	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.95	22.01	21.87	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.86	21.99	21.93	22.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		18.04			
100	PI2 BPSK	1	137		18.72		19.5	0.0
100	PI2 BPSK	1	271		18.77			
100	PI2 BPSK	135	0		18.63		19.5	0.0
100	PI2 BPSK	135	69		18.61		19.5	0.0
100	PI2 BPSK	135	138		18.59		19.5	0.0
100	PI2 BPSK	270	0		18.71			
100	QPSK	1	1		18.03			
100	QPSK	1	137		18.72		19.5	0.0
100	QPSK	1	271		18.95			
100	QPSK	135	0		18.68		19.5	0.0
100	QPSK	135	69		18.78		19.5	0.0
100	QPSK	135	138		18.67		19.5	0.0
100	QPSK	270	0		18.05			
100	16QAM	1	1		18.88		19.5	0.0
100	16QAM	1	1		18.00		19.5	0.0
100	256QAM	1	1		17.37		18.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.86	18.99	18.81	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.92	18.96	18.70	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.83	18.97	18.81	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.89	18.99	18.78	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.88	18.97	18.80	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.86	18.97	18.80	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.93	19.01	18.82	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.86	18.95	18.82	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.91	18.99	18.79	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.85	18.96	18.76	19.5	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.50			
100	PI/2 BPSK	1	137		21.55		22.5	0.0
100	PI/2 BPSK	1	271		21.53		22.5	0.0
100	PI/2 BPSK	135	0		21.58		22.5	0.0
100	PI/2 BPSK	135	89		21.53		22.5	0.0
100	PI/2 BPSK	135	138		21.54		22.5	0.0
100	PI/2 BPSK	270	0		21.54			
100	QPSK	1	1		21.62			
100	QPSK	1	137		21.57		22.5	0.0
100	QPSK	1	271		21.63			
100	QPSK	135	0		21.50		22.0	0.5
100	QPSK	135	89		21.54		22.5	0.0
100	QPSK	135	138		20.97		22.0	0.5
100	QPSK	270	0		20.88			
100	16QAM	1	1		20.91		22.0	0.5
100	16QAM	1	1		19.46		20.5	2.0
100	256QAM	1	1		18.07		18.5	4.0
Channel				649688	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.48	21.45	21.39	22.5	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.48	21.48	21.40	22.5	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.45	21.48	21.37	22.5	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	21.49	21.43	21.37	22.5	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.43	21.43	21.41	22.5	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.47	21.51	21.39	22.5	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3725.01		
30	QPSK	1	1	21.43	21.45	21.42	22.5	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.43	21.44	21.43	22.5	0.0
Channel				647168	650000	652334		
Frequency (MHz)				3707.52	3750	3722.51		
15	QPSK	1	1	21.44	21.51	21.39	22.5	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3785		
10	QPSK	1	1	21.47	21.45	21.44	22.5	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.68	20.74	20.73		
100	PI2 BPSK	1	137	20.67	20.82	20.70		0.0
100	PI2 BPSK	1	271	20.68	20.80	20.73		
100	PI2 BPSK	135	6	20.87	20.78	20.68	22.1	0.0
100	PI2 BPSK	135	69	20.70	20.80	20.75	22.1	0.0
100	PI2 BPSK	135	138	20.68	20.79	20.71	22.1	0.0
100	PI2 BPSK	270	0	20.71	20.82	20.68		
100	QPSK	1	1	20.83	20.66	20.82		
100	QPSK	1	137	20.66	20.66	20.59	22.1	0.0
100	QPSK	1	271	20.77	20.86	20.80		
100	QPSK	135	0	20.68	20.83	20.72	22.1	0.0
100	QPSK	135	69	20.72	20.99	20.80	22.1	0.0
100	QPSK	135	138	20.56	20.59	20.82	22.1	0.0
100	QPSK	270	0	20.65	20.83	20.73		
100	16QAM	1	1	20.66	20.80	20.72	22.1	0.0
100	16QAM	1	1	20.66	20.81	20.74	22.1	0.0
100	256QAM	1	1	20.66	20.73	20.69	22.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.72	20.81	20.74	22.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.80	20.69	22.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.66	20.80	20.71	22.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.72	20.74	20.72	22.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.67	20.77	20.74	22.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.67	20.75	20.74	22.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.65	20.81	20.72	22.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.72	20.74	20.69	22.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.74	20.76	20.73	22.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.65	20.77	20.70	22.1	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.77	23.88	23.83		
100	PI2 BPSK	1	137	23.77	23.87	23.78	25.1	0.0
100	PI2 BPSK	1	271	23.78	23.93	23.85		
100	PI2 BPSK	135	6	23.80	23.87	23.80	25.1	0.0
100	PI2 BPSK	135	69	23.82	23.92	23.84	25.1	0.0
100	PI2 BPSK	135	138	23.75	23.91	23.84	25.1	0.0
100	PI2 BPSK	270	0	23.81	23.87	23.82		
100	QPSK	1	1	23.96	23.21	24.02		
100	QPSK	1	137	23.71	23.72	23.68	25.1	0.0
100	QPSK	1	271	23.88	23.96	23.89		
100	QPSK	135	0	23.81	23.96	23.85	25.1	0.0
100	QPSK	135	69	23.87	24.07	23.89	25.1	0.0
100	QPSK	135	138	23.83	23.85	23.85	25.1	0.0
100	QPSK	270	0	23.76	23.95	23.86		
100	16QAM	1	1	23.79	23.87	23.85	25.1	0.0
100	16QAM	1	1	23.19	23.22	23.14	24.5	0.6
100	256QAM	1	1	21.08	21.20	21.10	22.5	2.6
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.89	24.10	24.01	25.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.91	24.19	23.90	25.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.91	24.13	23.99	25.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.95	24.19	23.96	25.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.89	24.17	23.99	25.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.88	24.12	24.01	25.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.99	24.13	23.95	25.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.88	24.17	23.99	25.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.89	24.17	23.91	25.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.86	24.15	23.95	25.1	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		20.66			
100	PI2 BPSK	1	137		20.76		22.1	0.0
100	PI2 BPSK	1	271		20.79			
100	PI2 BPSK	135	0		20.70		22.1	0.0
100	PI2 BPSK	135	69		20.74		22.1	0.0
100	PI2 BPSK	135	138		20.76		22.1	0.0
100	PI2 BPSK	270	0		20.74			
100	QPSK	1	1		21.00			
100	QPSK	1	137		20.57		22.1	0.0
100	QPSK	1	271		20.83			
100	QPSK	135	0		20.78		22.1	0.0
100	QPSK	135	69		20.83		22.1	0.0
100	QPSK	135	138		20.54		22.1	0.0
100	QPSK	270	0		20.72			
100	16QAM	1	1		20.70		22.1	0.0
100	16QAM	1	1		20.19		22.1	0.0
100	256QAM	1	1		20.19		22.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64983	65000	65034	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.69	20.73	20.64	22.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.67	20.78	20.66	22.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.68	20.76	20.65	22.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.70	20.78	20.72	22.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.67	20.71	20.66	22.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.69	20.77	20.67	22.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.69	20.75	20.65	22.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.63	20.79	20.65	22.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.65	20.79	20.73	22.1	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		23.82				
100	PI/2 BPSK	1	137		23.79		25.1	0.0	
100	PI/2 BPSK	1	271		23.85				
100	PI/2 BPSK	135	0		23.78		25.1	0.0	
100	PI/2 BPSK	135	69		23.84		25.1	0.0	
100	PI/2 BPSK	135	138		23.88				
100	PI/2 BPSK	270	0		23.78				
100	QPSK	1	1		24.16				
100	QPSK	1	137		23.81		25.1	0.0	
100	QPSK	1	271		23.92				
100	QPSK	135	0		23.90		25.1	0.0	
100	QPSK	135	69		23.98		25.1	0.0	
100	QPSK	135	138		23.67				
100	QPSK	270	0		23.89		25.1	0.0	
100	16QAM	1	1		23.78		25.1	0.0	
100	16QAM	1	1		23.25		24.5	0.6	
100	256QAM	1	1		21.22		22.5	2.6	
Channel				649688	650000	650334		MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		23.83	24.00	23.99	25.1	0.0
Channel				649334	650000	650668		MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		23.84	24.02	23.98	25.1	0.0
Channel				649000	650000	651000		MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		23.79	24.02	23.97	25.1	0.0
Channel				648668	650000	651334		MPR	
Frequency (MHz)				3730.02	3750	3750.01			
60	QPSK	1	1		23.80	24.07	23.90	25.1	0.0
Channel				648334	650000	651668		MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		23.80	24.05	23.94	25.1	0.0
Channel				648000	650000	652000		MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		23.80	24.01	23.91	25.1	0.0
Channel				647668	650000	652334		MPR	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		23.83	24.01	23.92	25.1	0.0
Channel				647334	650000	652668		MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		23.81	24.07	23.93	25.1	0.0
Channel				647168	650000	652334		MPR	
Frequency (MHz)				3707.52	3750	3782.51			
15	QPSK	1	1		23.83	24.07	23.93	25.1	0.0
Channel				647000	650000	653000		MPR	
Frequency (MHz)				3705	3750	3785			
10	QPSK	1	1		23.79	24.09	23.98	25.1	0.0



Reduced Power Mode for DSI7

n5 Ant0 DSI 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				167300	167300	167800			
25	PI2 BPSK	1	1	23.14			24.0	0.0	
25	PI2 BPSK	1	67	22.93					
25	PI2 BPSK	1	131	23.20					
25	PI2 BPSK	64	0	22.44			23.5	0.5	
25	PI2 BPSK	64	35	22.87			24.0	0.0	
25	PI2 BPSK	64	69	22.45			23.5	0.5	
25	PI2 BPSK	128	0	22.46					
25	QPSK	1	1	23.24			24.0	0.0	
25	QPSK	1	67	22.98					
25	QPSK	1	131	23.17					
25	QPSK	64	0	21.99			23.0	1.0	
25	QPSK	64	35	22.58			24.0	0.0	
25	QPSK	64	69	22.05			23.0	1.0	
25	QPSK	128	0	22.00			23.0	1.0	
25	16QAM	1	1	22.42			23.0	1.0	
25	64QAM	1	1	20.88			21.5	2.5	
25	256QAM	1	1	18.87			19.5	4.5	
Channel									
Frequency (MHz)				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.18	23.13	23.17	0.0	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.12	23.11	23.15	24.0	0.0	
Channel									
Frequency (MHz)				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.15	23.15	23.19	24.0	0.0	
Channel									
Frequency (MHz)				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.13	23.20	23.13	24.0	0.0	

n26 Ant0 DSI 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				164900	165300	165700			
20	PI2 BPSK	1	1	22.44	22.50	22.34	24.0	0.0	
20	PI2 BPSK	1	53	22.54	22.53	22.46			
20	PI2 BPSK	1	104	22.46	22.54	22.45			
20	PI2 BPSK	50	0	21.90	22.05	21.94	23.5	0.5	
20	PI2 BPSK	50	28	22.48	22.54	22.43	24.0	0.0	
20	PI2 BPSK	50	56	22.03	22.10	21.94	23.5	0.5	
20	PI2 BPSK	100	0	21.97	22.09	21.97			
20	QPSK	1	1	22.72	22.91	22.53	24.0	0.0	
20	QPSK	1	53	22.48	22.55	22.49			
20	QPSK	1	104	22.47	22.53	22.40			
20	QPSK	50	0	21.30	21.52	21.38	23.0	1.0	
20	QPSK	50	28	22.48	22.53	22.37	24.0	0.0	
20	QPSK	50	56	21.45	21.53	21.55	23.0	1.0	
20	QPSK	100	0	21.48	21.54	21.48			
20	16QAM	1	1	21.47	21.60	21.49	23.0	1.0	
20	64QAM	1	1	20.02	20.10	19.95	21.5	2.5	
20	256QAM	1	1	18.24	18.22	18.13	19.5	4.5	
Channel									
Frequency (MHz)				164300	165300	166300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.63	22.86	22.50	24.0	0.0	
Channel									
Frequency (MHz)				163800	165300	166800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.63	22.78	22.40	24.0	0.0	
Channel									
Frequency (MHz)				163300	165300	165300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.68	22.80	22.48	24.0	0.0	

n71 Ant0 DSI 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				135200	136100	136600			
30	PI2 BPSK	1	1	23.08	23.13	23.10	24.0	0.0	
30	PI2 BPSK	1	80	22.77	22.83	22.79			
30	PI2 BPSK	1	158	22.81	22.87	22.86			
30	PI2 BPSK	80	0	22.37	22.45	22.44	23.5	0.5	
30	PI2 BPSK	80	40	22.86	22.94	22.85	24.0	0.0	
30	PI2 BPSK	80	80	22.83	22.88	22.73	23.5	0.5	
30	PI2 BPSK	160	0	22.33	22.47	22.33			
30	QPSK	1	1	23.14	23.22	23.14	24.0	0.0	
30	QPSK	1	80	22.84	22.92	22.77			
30	QPSK	1	158	22.87	22.91	22.85			
30	QPSK	80	0	21.89	21.95	21.95	23.0	1.0	
30	QPSK	80	40	22.84	22.90	22.85	24.0	0.0	
30	QPSK	80	80	21.89	21.85	21.82	23.0	1.0	
30	QPSK	160	0	21.88	21.95	21.82			
30	16QAM	1	1	22.21	22.34	22.17	23.0	1.0	
30	64QAM	1	1	20.73	20.86	20.83	21.5	2.5	
30	256QAM	1	1	18.79	18.84	18.70	19.5	4.5	
Channel									
Frequency (MHz)				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	23.02	23.17	23.05	24.0	0.0	
Channel									
Frequency (MHz)				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.09	23.15	23.09	24.0	0.0	
Channel									
Frequency (MHz)				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.03	23.13	23.07	24.0	0.0	
Channel									
Frequency (MHz)				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.04	23.12	23.07	24.0	0.0	
Channel									
Frequency (MHz)				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.01	23.18	23.02	24.0	0.0	



n7 Ant1 DSI 7

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
40	2520	2535	2550				
Channel	50500	50700	51000				
Frequency (MHz)	2520	2535	2550				
40	1	1	21.83	21.85	21.57		
40	1	108	21.50	21.86	21.46	23.1	0.0
40	1	214	21.56	21.53	21.56		
40	108	0	21.56	21.71	21.81	23.1	0.0
40	108	54	21.82	21.65	21.62	23.1	0.0
40	108	108	21.52	21.59	21.43	23.1	0.0
40	108	0	21.54	21.55	21.58		
40	1	1	21.89	21.76	21.69		
40	1	108	21.81	21.71	21.55	23.1	0.0
40	1	214	21.60	21.64	21.61		
40	108	0	21.59	21.59	21.61	23.0	0.1
40	108	54	21.51	21.85	21.51	23.1	0.0
40	108	108	21.59	21.58	21.62	23.0	0.1
40	216	0	21.63	21.59	21.47		
40	1	1	21.51	21.61	21.56	23.0	0.1
40	1	1	20.72	20.84	20.81	21.5	1.6
40	1	1	18.75	18.87	18.84	19.5	3.6
Channel	50300	50700	51100				
Frequency (MHz)	2515	2535	2555				
30	1	1	21.83	21.66	21.64	23.1	0.0
Channel	50250	50700	51150				
Frequency (MHz)	2522.5	2535	2577.5				
25	1	1	21.65	21.64	21.60	23.1	0.0
Channel	50200	50700	51200				
Frequency (MHz)	2510	2535	2550				
20	1	1	21.83	21.88	21.82	23.1	0.0
Channel	50150	50700	51250				
Frequency (MHz)	2507.5	2535	2562.5				
15	1	1	21.63	21.64	21.60	23.1	0.0
Channel	50100	50700	51300				
Frequency (MHz)	2505	2535	2565				
10	1	1	21.84	21.71	21.62	23.1	0.0
Channel	50050	50700	51350				
Frequency (MHz)	2502.5	2535	2567.5				
5	1	1	21.83	21.70	21.60	23.1	0.0



n38 Ant1 DSI 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2590.02	2595	2599.98	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	20.34	20.49	20.40	
40	PI/2 BPSK	1	53	20.26	20.43	20.31	21.4
40	PI/2 BPSK	1	104	20.32	20.48	20.35	
40	PI/2 BPSK	50	0	20.29	20.49	20.37	21.4
40	PI/2 BPSK	50	28	20.38	20.51	20.33	21.4
40	PI/2 BPSK	50	56	20.33	20.46	20.33	21.4
40	PI/2 BPSK	100	0	20.27	20.49	20.43	
40	QPSK	1	1	20.41	20.59	20.48	
40	QPSK	1	53	20.43	20.40	20.46	21.4
40	QPSK	1	104	20.40	20.47	20.39	
40	QPSK	50	0	20.36	20.29	20.37	21.4
40	QPSK	50	28	20.37	20.50	20.28	21.4
40	QPSK	50	56	20.31	20.30	20.34	21.4
40	QPSK	100	0	20.38	20.52	20.38	
40	16QAM	1	1	20.30	20.47	20.30	21.4
40	16QAM	1	1	20.36	20.49	20.32	21.4
40	256QAM	1	1	18.63	18.63	18.53	19.5
Channel				5170.02	5190.00	5209.98	
Frequency (MHz)				5170.02	5190.00	5209.98	
30	QPSK	1	1	20.29	20.47	20.41	21.4
Channel				5160.00	5190.00	5200.00	
Frequency (MHz)				5160.00	5190.00	5200.00	
20	QPSK	1	1	20.37	20.52	20.37	21.4
Channel				5155.02	5190.00	5224.98	
Frequency (MHz)				5155.02	5190.00	5224.98	
15	QPSK	1	1	20.38	20.48	20.45	21.4
Channel				5150.04	5190.00	5239.98	
Frequency (MHz)				5150.04	5190.00	5239.98	
10	QPSK	1	1	20.33	20.50	20.38	21.4

n41 Ant1 DSI 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2546.01	2592.99	2640	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.42	20.61	20.45	
100	PI/2 BPSK	1	137	20.38	20.54	20.43	21.4
100	PI/2 BPSK	1	271	20.43	20.59	20.41	
100	PI/2 BPSK	135	0	20.37	20.61	20.41	21.4
100	PI/2 BPSK	135	69	20.45	20.59	20.41	21.4
100	PI/2 BPSK	135	138	20.41	20.57	20.41	21.4
100	PI/2 BPSK	270	0	20.39	20.53	20.47	
100	QPSK	1	1	20.48	20.66	20.52	
100	QPSK	1	137	20.49	20.47	20.49	21.4
100	QPSK	1	271	20.48	20.56	20.44	
100	QPSK	135	0	20.40	20.34	20.41	21.4
100	QPSK	135	69	20.41	20.61	20.40	21.4
100	QPSK	135	138	20.37	20.35	20.44	21.4
100	QPSK	270	0	20.41	20.59	20.46	
100	16QAM	1	1	20.41	20.58	20.40	21.4
100	16QAM	1	1	20.42	20.61	20.45	21.4
100	256QAM	1	1	18.67	18.69	18.59	19.5
Channel				5060.00	5189.98	5299.98	
Frequency (MHz)				5060.00	5189.98	5299.98	
90	QPSK	1	1	20.33	20.55	20.38	21.4
Channel				5072.04	5189.98	5299.98	
Frequency (MHz)				5072.04	5189.98	5299.98	
80	QPSK	1	1	20.25	20.49	20.36	21.4
Channel				5062.02	5189.98	5310.00	
Frequency (MHz)				5062.02	5189.98	5310.00	
70	QPSK	1	1	20.37	20.51	20.32	21.4
Channel				5052.00	5189.98	5319.98	
Frequency (MHz)				5052.00	5189.98	5319.98	
60	QPSK	1	1	20.35	20.56	20.38	21.4
Channel				5042.04	5189.98	5329.98	
Frequency (MHz)				5042.04	5189.98	5329.98	
50	QPSK	1	1	20.37	20.57	20.41	21.4
Channel				5032.02	5189.98	5330.00	
Frequency (MHz)				5032.02	5189.98	5330.00	
40	QPSK	1	1	20.39	20.55	20.33	21.4
Channel				5022.00	5189.98	5349.98	
Frequency (MHz)				5022.00	5189.98	5349.98	
30	QPSK	1	1	20.37	20.50	20.42	21.4
Channel				5012.04	5189.98	5359.98	
Frequency (MHz)				5012.04	5189.98	5359.98	
20	QPSK	1	1	20.33	20.54	20.36	21.4
Channel				5007.00	5189.98	5364.98	
Frequency (MHz)				5007.00	5189.98	5364.98	
15	QPSK	1	1	20.38	20.51	20.41	21.4
Channel				5002.02	5189.98	5370.00	
Frequency (MHz)				5002.02	5189.98	5370.00	
10	QPSK	1	1	20.33	20.56	20.35	21.4



Part270 n77 Ant2 DSI 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains 100 rows of channel data for Part270 n77 Ant2 DSI 7.

Part270 n77 PC2 Ant2 DSI 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains 100 rows of channel data for Part270 n77 PC2 Ant2 DSI 7.

Part270 n78 Ant2 DSI 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains 100 rows of channel data for Part270 n78 Ant2 DSI 7.



Part270 n78 PC2 Ant2 DSI 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3760	3760	3760		
Frequency (MHz)								
100	PI/2 BPSK	1	1		16.45			
100	PI/2 BPSK	1	137		16.42		17.1	0.0
100	PI/2 BPSK	1	271		16.48		17.1	0.0
100	PI/2 BPSK	135	0		16.51		17.1	0.0
100	PI/2 BPSK	135	69		16.52		17.1	0.0
100	PI/2 BPSK	135	138		16.41		17.1	0.0
100	PI/2 BPSK	270	0		16.47			
100	QPSK	1	1		16.54			
100	QPSK	1	137		16.30		17.1	0.0
100	QPSK	1	271		16.24			
100	QPSK	135	0		16.41		17.1	0.0
100	QPSK	135	69		16.48		17.1	0.0
100	QPSK	135	138		16.45			
100	QPSK	270	0		16.42		17.1	0.0
100	16QAM	1	1		16.39		17.1	0.0
100	16QAM	1	1		16.47		17.1	0.0
100	256QAM	1	1		16.48		17.1	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.27	16.44	16.34	17.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.30	16.44	16.42	17.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.34	16.49	16.36	17.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3750.01		
60	QPSK	1	1	16.36	16.53	16.35	17.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.30	16.47	16.38	17.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.30	16.46	16.35	17.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	16.30	16.47	16.42	17.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.30	16.47	16.35	17.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
15	QPSK	1	1	16.27	16.49	16.43	17.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.33	16.45	16.42	17.1	0.0



n5 Ant4 DSI 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	22.24				
25	PI2 BPSK	1	67	22.22			24.0	0.0
25	PI2 BPSK	1	131	22.21				
25	PI2 BPSK	64	0	21.81			23.5	0.5
25	PI2 BPSK	64	35	22.15			24.0	0.0
25	PI2 BPSK	64	69	21.86			23.5	0.5
25	PI2 BPSK	128	0	21.90				
25	QPSK	1	1	22.46				
25	QPSK	1	67	22.40			24.0	0.0
25	QPSK	1	131	22.41				
25	QPSK	64	0	21.30			23.0	1.0
25	QPSK	64	35	22.15			24.0	0.0
25	QPSK	64	69	21.21			23.0	1.0
25	QPSK	128	0	21.10				
25	16QAM	1	1	21.44			23.0	1.0
25	16QAM	1	1	19.83			21.5	2.5
25	256QAM	1	1	17.75			19.5	4.5
Channel				168800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.34	22.27	22.30	0.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.28	22.30	22.29	24.0	0.0
Channel				165300	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.31	22.28	22.30	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				828.5	836.5	846.5		
5	QPSK	1	1	22.36	22.27	22.26	24.0	0.0

n7 For ENDC Ant4 DSI 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				507000	507000	510000		
Frequency (MHz)				2620	2635	2650		
40	PI2 BPSK	1	1	15.63	15.63	15.56		
40	PI2 BPSK	1	108	15.50	15.55	15.45	16.5	0.0
40	PI2 BPSK	1	214	15.51	15.62	15.47		
40	PI2 BPSK	108	0	15.50	15.54	15.52	16.5	0.0
40	PI2 BPSK	108	54	15.64	15.67	15.48	16.5	0.0
40	PI2 BPSK	108	108	15.50	15.53	15.46	16.5	0.0
40	PI2 BPSK	216	0	15.48	15.55	15.48		
40	QPSK	1	1	15.67	15.71	15.60		
40	QPSK	1	108	15.59	15.61	15.51	16.5	0.0
40	QPSK	1	214	15.58	15.65	15.55		
40	QPSK	108	0	15.52	15.55	15.44	16.5	0.0
40	QPSK	108	54	15.62	15.63	15.54	16.5	0.0
40	QPSK	108	108	15.55	15.55	15.43	16.5	0.0
40	QPSK	216	0	15.48	15.60	15.50		
40	16QAM	1	1	15.61	15.60	15.51	16.5	0.0
40	16QAM	1	1	15.50	15.51	15.42	16.5	0.0
40	256QAM	1	1	15.48	15.54	15.44	16.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2615	2635	2655		
30	QPSK	1	1	15.47	15.55	15.47	16.5	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2612.5	2635	2657.5		
25	QPSK	1	1	15.53	15.55	15.44	16.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2610	2635	2650		
20	PI2 BPSK	1	1	15.45	15.58	15.47	16.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2607.5	2635	2662.5		
15	QPSK	1	1	15.54	15.61	15.48	16.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2605	2635	2665		
10	QPSK	1	1	15.51	15.57	15.45	16.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2602.5	2635	2667.5		
5	QPSK	1	1	15.53	15.57	15.43	16.5	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				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	21.36	21.50	21.45		
20	PI2 BPSK	1	53	21.28	21.42	21.31	23.0	0.0
20	PI2 BPSK	1	104	21.32	21.35	21.29		
20	PI2 BPSK	50	0	20.83	20.87	20.77	22.5	0.5
20	PI2 BPSK	50	28	21.16	21.29	21.22	23.0	0.0
20	PI2 BPSK	50	56	20.89	20.95	20.84	22.5	0.5
20	PI2 BPSK	100	0	20.87	20.93	20.79		
20	QPSK	1	1	21.85	21.99	21.48		
20	QPSK	1	53	21.50	21.52	21.42	23.0	0.0
20	QPSK	1	104	21.31	21.43	21.39		
20	QPSK	50	0	20.31	20.40	20.32	22.0	1.0
20	QPSK	50	28	21.28	21.34	21.32	23.0	0.0
20	QPSK	50	56	20.37	20.48	20.42	22.0	1.0
20	QPSK	100	0	20.41	20.46	20.42		
20	16QAM	1	1	20.51	20.62	20.51	22.0	1.0
20	16QAM	1	1	18.99	19.08	19.05	20.5	2.5
20	256QAM	1	1	17.22	17.25	17.16	18.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.51	21.56	21.44	23.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	21.53	21.51	21.40	23.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.46	21.53	21.35	23.0	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				136600	136100	136600		
Frequency (MHz)				678	680.5	683		
30	PI/2 BPSK	1	1	22.94	23.01	22.96		
30	PI/2 BPSK	1	80	22.72	22.63	22.80	24.0	0.0
30	PI/2 BPSK	1	158	22.75	22.92	22.77		
30	PI/2 BPSK	80	0	22.35	22.41	22.29	23.5	0.5
30	PI/2 BPSK	80	40	22.80	22.85	22.77	24.0	0.0
30	PI/2 BPSK	80	80	22.76	22.80	22.71		
30	PI/2 BPSK	160	0	22.36	22.31	22.37		
30	QPSK	1	1	22.96	23.09	23.04		
30	QPSK	1	80	22.87	23.00	22.88	24.0	0.0
30	QPSK	1	158	22.92	22.95	22.92		
30	QPSK	80	0	21.80	21.93	21.91	23.0	1.0
30	QPSK	80	40	22.80	22.88	22.74	24.0	0.0
30	QPSK	80	80	21.72	21.77	21.87		
30	QPSK	160	0	21.84	21.88	21.81	23.0	1.0
30	16QAM	1	1	22.20	22.32	22.17	23.0	1.0
30	16QAM	1	1	20.58	20.70	20.89	21.5	2.5
30	256QAM	1	1	18.76	18.91	18.87	19.5	4.5
Channel				137100	137100	137100		
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	22.80	22.96	22.88	24.0	0.0
Channel				134600	136100	137600		
Frequency (MHz)				672	680.5	688		
20	QPSK	1	1	22.80	23.02	22.97	24.0	0.0
Channel				134100	135100	136100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.88	22.96	22.99	24.0	0.0
Channel				133600	136100	136600		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.85	23.00	22.99	24.0	0.0
Channel				133100	136100	136100		
Frequency (MHz)				665.5	680.5	685.5		
5	QPSK	1	1	22.87	22.94	22.98	24.0	0.0



Part270 n77 Ant5 DSI 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	13.25	13.29	13.19		
100	PI2 BPSK	1	137	13.21	13.24	13.25		0.0
100	PI2 BPSK	1	271	13.18	13.27	13.20		
100	PI2 BPSK	135	0	13.19	13.19	13.21	15.1	0.0
100	PI2 BPSK	135	69	13.18	13.16	13.12	15.1	0.0
100	PI2 BPSK	135	138	13.20	13.16	13.13	15.1	0.0
100	PI2 BPSK	270	0	13.13	13.12	13.14		
100	QPSK	1	1	13.27	13.36	13.32		
100	QPSK	1	137	13.16	13.31	13.13	15.1	0.0
100	QPSK	1	271	13.18	13.30	13.21		
100	QPSK	135	0	13.17	13.13	13.17	15.1	0.0
100	QPSK	135	69	13.11	13.22	13.14	15.1	0.0
100	QPSK	135	138	13.19	13.19	13.16	15.1	0.0
100	QPSK	270	0	13.12	13.15	13.14		
100	16QAM	1	1	13.12	13.11	13.12	15.1	0.0
100	16QAM	1	1	13.14	13.21	13.12	15.1	0.0
100	256QAM	1	1	13.12	13.20	13.14	15.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	13.14	13.22	13.20	15.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.14	13.14	13.20	15.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.13	13.21	13.12	15.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.19	13.22	13.11	15.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.13	13.22	13.11	15.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.19	13.21	13.11	15.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.19	13.23	13.13	15.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.16	13.17	13.14	15.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	13.14	13.19	13.11	15.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.13	13.20	13.11	15.1	0.0

Part270 n77 PC2 Ant5 DSI 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	16.14	16.29	16.24		
100	PI2 BPSK	1	137	16.25	16.22	16.20		0.0
100	PI2 BPSK	1	271	16.21	16.13	16.19	18.1	0.0
100	PI2 BPSK	135	0	16.18	16.31	16.21	18.1	0.0
100	PI2 BPSK	135	69	16.25	16.23	16.14	18.1	0.0
100	PI2 BPSK	135	138	16.26	16.17	16.18	18.1	0.0
100	PI2 BPSK	270	0	16.26	16.21	16.22		
100	QPSK	1	1	16.24	16.40	16.29		
100	QPSK	1	137	16.18	16.21	16.12	18.1	0.0
100	QPSK	1	271	16.24	16.26	16.12		
100	QPSK	135	0	16.19	16.14	16.20	18.1	0.0
100	QPSK	135	69	16.28	16.33	16.23	18.1	0.0
100	QPSK	135	138	16.26	16.26	16.24	18.1	0.0
100	QPSK	270	0	16.19	16.25	16.23		
100	16QAM	1	1	16.28	16.28	16.19	18.1	0.0
100	16QAM	1	1	16.25	16.21	16.22	18.1	0.0
100	256QAM	1	1	16.20	16.15	16.21	18.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.22	16.26	16.28	18.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.24	16.24	16.22	18.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.18	16.21	16.27	18.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.19	16.27	16.21	18.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.15	16.23	16.24	18.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.21	16.19	16.18	18.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.23	16.20	16.23	18.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.21	16.20	16.24	18.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.25	16.20	16.25	18.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.24	16.24	16.26	18.1	0.0

Part270 n78 Ant5 DSI 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		13.21			
100	PI2 BPSK	1	137		13.11		15.1	0.0
100	PI2 BPSK	1	271		13.22			
100	PI2 BPSK	135	0		13.15		15.1	0.0
100	PI2 BPSK	135	69		13.12		15.1	0.0
100	PI2 BPSK	135	138		13.11		15.1	0.0
100	PI2 BPSK	270	0		13.18			
100	QPSK	1	1		13.27			
100	QPSK	1	137		13.24		15.1	0.0
100	QPSK	1	271		13.21			
100	QPSK	135	0		13.16		15.1	0.0
100	QPSK	135	69		13.19		15.1	0.0
100	QPSK	135	138		13.18		15.1	0.0
100	QPSK	270	0		13.11			
100	16QAM	1	1		13.19		15.1	0.0
100	16QAM	1	1		13.14		15.1	0.0
100	256QAM	1	1		13.16		15.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	13.14	13.18	13.12	15.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.19	13.14	13.11	15.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.15	13.19	13.16	15.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.11	13.12	13.14	15.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.21	13.19	13.17	15.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.14	13.15	13.12	15.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.11	13.19	13.15	15.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.17	13.13	13.17	15.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	13.19	13.14	13.16	15.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.18	13.17	13.19	15.1	0.0



Part270 n78 PC2 Ant5 DSI 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.25			
100	PI/2 BPSK	1	137		16.17		18.1	0.0
100	PI/2 BPSK	1	271		16.25			
100	PI/2 BPSK	135	0		16.27		18.1	0.0
100	PI/2 BPSK	135	89		16.13		18.1	0.0
100	PI/2 BPSK	135	138		16.18		18.1	0.0
100	PI/2 BPSK	270	0		16.11			
100	QPSK	1	1		16.28			
100	QPSK	1	137		16.13		18.1	0.0
100	QPSK	1	271		16.13			
100	QPSK	135	0		16.16		18.1	0.0
100	QPSK	135	89		16.25		18.1	0.0
100	QPSK	135	138		16.19			
100	QPSK	270	0		16.18		18.1	0.0
100	16QAM	1	1		16.18		18.1	0.0
100	16QAM	1	1		16.16		18.1	0.0
100	256QAM	1	1		16.18		18.1	0.0
Channel				649688	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	16.12	16.22	16.18	18.1	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	16.14	16.22	16.16	18.1	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.11	16.20	16.16	18.1	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3730.01	(dBm)	(dB)
60	QPSK	1	1	16.22	16.17	16.19	18.1	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	16.11	16.20	16.17	18.1	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.16	16.13	16.18	18.1	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	(dB)
30	QPSK	1	1	16.19	16.19	16.23	18.1	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	16.13	16.18	16.19	18.1	0.0
Channel				647168	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3782.51	(dBm)	(dB)
15	QPSK	1	1	16.17	16.19	16.24	18.1	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3785	(dBm)	(dB)
10	QPSK	1	1	16.14	16.19	16.20	18.1	0.0



Part270 n77 Ant7 DSI 7

BW (MHz)	Modulation	RB 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	12.77	12.84	12.75		
100	PI2 BPSK	1	137	12.78	12.80	12.82		0.0
100	PI2 BPSK	1	271	12.80	12.86	12.80		
100	PI2 BPSK	138	0	12.71	12.89	12.70	14.2	0.0
100	PI2 BPSK	138	69	12.77	12.83	12.80	14.2	0.0
100	PI2 BPSK	138	138	12.77	12.83	12.82	14.2	0.0
100	PI2 BPSK	270	0	12.81	12.77	12.81		
100	QPSK	1	1	12.82	12.86	12.79		
100	QPSK	1	137	12.88	12.89	12.87	14.2	0.0
100	QPSK	1	271	12.89	12.92	12.86		
100	QPSK	138	0	12.84	12.88	12.80	14.2	0.0
100	QPSK	138	69	12.72	12.89	12.75	14.2	0.0
100	QPSK	138	138	12.77	12.79	12.78	14.2	0.0
100	QPSK	270	0	12.82	12.87	12.78		
100	16QAM	1	1	12.82	12.86	12.76	14.2	0.0
100	16QAM	1	1	12.81	12.77	12.80	14.2	0.0
100	256QAM	1	1	12.83	12.79	12.84	14.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	12.78	12.79	12.81	14.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	12.83	12.82	12.82	14.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.80	12.82	12.75	14.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	12.77	12.77	12.78	14.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	12.82	12.83	12.75	14.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	12.84	12.78	12.81	14.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	12.76	12.80	12.80	14.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.80	12.77	12.79	14.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	12.79	12.78	12.81	14.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	12.75	12.78	12.79	14.2	0.0

Part270 n77 PC2 Ant7 DSI 7

BW (MHz)	Modulation	RB 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	15.73	15.81	15.73		
100	PI2 BPSK	1	137	15.75	15.84	15.79	17.2	0.0
100	PI2 BPSK	1	271	15.82	15.87	15.81		
100	PI2 BPSK	138	0	15.72	15.83	15.86	17.2	0.0
100	PI2 BPSK	138	69	15.76	15.87	15.75	17.2	0.0
100	PI2 BPSK	138	138	15.81	15.79	15.80	17.2	0.0
100	PI2 BPSK	270	0	15.84	15.81	15.84		
100	QPSK	1	1	15.78	15.98	15.77		
100	QPSK	1	137	15.86	15.89	15.84	17.2	0.0
100	QPSK	1	271	15.84	15.92	15.89		
100	QPSK	138	0	15.84	15.81	15.82	17.2	0.0
100	QPSK	138	69	15.70	15.85	15.72	17.2	0.0
100	QPSK	138	138	15.74	15.81	15.76	17.2	0.0
100	QPSK	270	0	15.78	15.84	15.81		
100	16QAM	1	1	15.81	15.85	15.80	17.2	0.0
100	16QAM	1	1	15.84	15.81	15.79	17.2	0.0
100	256QAM	1	1	15.87	15.79	15.83	17.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.87	15.95	15.85	17.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.72	15.93	15.84	17.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.66	15.93	15.69	17.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.74	15.92	15.65	17.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.69	15.94	15.69	17.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.72	15.89	15.72	17.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.73	15.92	15.72	17.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.76	15.98	15.85	17.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.73	15.91	15.65	17.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.67	15.90	15.65	17.2	0.0

Part270 n78 Ant7 DSI 7

BW (MHz)	Modulation	RB 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	12.71				
100	PI2 BPSK	1	137	12.71			14.2	0.0
100	PI2 BPSK	1	271	12.76				
100	PI2 BPSK	138	0	12.81			14.2	0.0
100	PI2 BPSK	138	69	12.77			14.2	0.0
100	PI2 BPSK	138	138	12.71			14.2	0.0
100	PI2 BPSK	270	0	12.87				
100	QPSK	1	1	12.81			14.2	0.0
100	QPSK	1	137	12.81				
100	QPSK	1	271	12.81				
100	QPSK	138	0	12.75			14.2	0.0
100	QPSK	138	69	12.78			14.2	0.0
100	QPSK	138	138	12.88			14.2	0.0
100	QPSK	270	0	12.76				
100	16QAM	1	1	12.76			14.2	0.0
100	16QAM	1	1	12.70			14.2	0.0
100	256QAM	1	1	12.88			14.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	12.86	12.72	12.89	14.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	12.71	12.75	12.71	14.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.73	12.88	12.77	14.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	12.74	12.88	12.78	14.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	12.73	12.75	12.75	14.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	12.72	12.75	12.72	14.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	12.69	12.69	12.76	14.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.72	12.75	12.69	14.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	12.74	12.73	12.73	14.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	12.69	12.67	12.70	14.2	0.0



Part270 n78 PC2 Ant7 DSI 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3760	3760	3760		
Frequency (MHz)								
100	PI2 BPSK	1	1		15.70			
100	PI2 BPSK	1	137		15.73		17.2	0.0
100	PI2 BPSK	1	271		15.75			
100	PI2 BPSK	135	0		15.81		17.2	0.0
100	PI2 BPSK	135	89		15.76		17.2	0.0
100	PI2 BPSK	135	138		15.75		17.2	0.0
100	PI2 BPSK	270	0		15.71			
100	QPSK	1	1		15.84			
100	QPSK	1	137		15.82		17.2	0.0
100	QPSK	1	271		15.81			
100	QPSK	135	0		15.74		17.2	0.0
100	QPSK	135	89		15.80		17.2	0.0
100	QPSK	135	138		15.72			
100	QPSK	270	0		15.79		17.2	0.0
100	16QAM	1	1		15.77		17.2	0.0
100	16QAM	1	1		15.71		17.2	0.0
100	256QAM	1	1		15.72		17.2	0.0
Channel				649688	650000	650334		MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.62	15.86	15.55	17.2	0.0
Channel				649334	650000	650668		MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.59	15.88	15.52	17.2	0.0
Channel				649000	650000	651000		MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.61	15.84	15.60	17.2	0.0
Channel				648668	650000	651334		MPR
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	15.60	15.98	15.58	17.2	0.0
Channel				648334	650000	651668		MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.58	15.83	15.59	17.2	0.0
Channel				648000	650000	652000		MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.58	15.88	15.58	17.2	0.0
Channel				647668	650000	652334		MPR
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	15.59	15.87	15.59	17.2	0.0
Channel				647334	650000	652668		MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	15.63	15.92	15.54	17.2	0.0
Channel				647168	650000	652334		MPR
Frequency (MHz)				3705.02	3750	3785.01		
15	QPSK	1	1	15.61	15.83	15.60	17.2	0.0
Channel				647000	650000	653000		MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	15.55	15.88	15.58	17.2	0.0



Part270 n77 Ant11 DSI 7										
BW (MHz)	Modulation	RB 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	18.34	18.42	18.34				
100	PI2 BPSK	1	137	18.53	18.59	18.43				
100	PI2 BPSK	1	271	18.59	18.59	18.58				
100	PI2 BPSK	135	0	18.34	18.36	18.32	19.5	0.0		
100	PI2 BPSK	135	69	18.36	18.48	18.41	19.5	0.0		
100	PI2 BPSK	135	138	18.40	18.50	18.37	19.5	0.0		
100	PI2 BPSK	270	0	18.46	18.56	18.48				
100	QPSK	1	1	18.58	18.61	18.55				
100	QPSK	1	137	18.38	18.45	18.43	19.5	0.0		
100	QPSK	1	271	18.48	18.52	18.58				
100	QPSK	135	0	18.31	18.39	18.31	19.5	0.0		
100	QPSK	135	69	18.43	18.53	18.45	19.5	0.0		
100	QPSK	135	138	18.38	18.52	18.43	19.5	0.0		
100	QPSK	270	0	18.47	18.54	18.50				
100	16QAM	1	1	18.46	18.57	18.45	19.5	0.0		
100	64QAM	1	1	18.44	18.49	18.45	19.5	0.0		
100	256QAM	1	1	18.46	18.55	18.44	19.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.46	18.50	18.49	19.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.48	18.49	18.44	19.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.49	18.56	18.42	19.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.47	18.50	18.45	19.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.51	18.53	18.51	19.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.50	18.56	18.45	19.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.50	18.54	18.47	19.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.45	18.49	18.47	19.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.54	18.58	18.44	19.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.46	18.55	18.51	19.5	0.0		

Part270 n77 PC2 Ant11 DSI 7										
BW (MHz)	Modulation	RB 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	21.41	21.57	21.44				
100	PI2 BPSK	1	137	21.59	21.84	21.51				
100	PI2 BPSK	1	271	21.88	21.73	21.84	22.5	0.0		
100	PI2 BPSK	135	0	21.47	21.47	21.45	22.5	0.0		
100	PI2 BPSK	135	69	21.42	21.55	21.56	22.5	0.0		
100	PI2 BPSK	135	138	21.52	21.83	21.44	22.5	0.0		
100	PI2 BPSK	270	0	21.57	21.86	21.54				
100	QPSK	1	1	21.72	21.79	21.68				
100	QPSK	1	137	21.48	21.80	21.50	22.5	0.0		
100	QPSK	1	271	21.81	21.59	21.73				
100	QPSK	135	0	21.40	21.46	21.44	22.5	0.0		
100	QPSK	135	69	21.49	21.71	21.55	22.5	0.0		
100	QPSK	135	138	21.52	21.86	21.51	22.5	0.0		
100	QPSK	270	0	21.52	21.85	21.60				
100	16QAM	1	1	21.52	21.69	21.60	22.5	0.0		
100	64QAM	1	1	21.49	21.56	21.53	22.5	0.0		
100	256QAM	1	1	21.52	21.82	21.56	22.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	21.83	21.70	21.64	22.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	21.59	21.72	21.50	22.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	21.82	21.73	21.58	22.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	21.82	21.75	21.64	22.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	21.88	21.71	21.60	22.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	21.83	21.74	21.58	22.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	21.83	21.87	21.50	22.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	21.87	21.86	21.81	22.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	21.81	21.72	21.81	22.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	21.87	21.86	21.58	22.5	0.0		

Part270 n78 Ant11 DSI 7										
BW (MHz)	Modulation	RB 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	18.32	18.32	18.32				
100	PI2 BPSK	1	137	18.50	18.50	18.50				
100	PI2 BPSK	1	271	18.50	18.50	18.50	19.5	0.0		
100	PI2 BPSK	135	0	18.29	18.29	18.29	19.5	0.0		
100	PI2 BPSK	135	69	18.37	18.37	18.37	19.5	0.0		
100	PI2 BPSK	135	138	18.36	18.36	18.36	19.5	0.0		
100	PI2 BPSK	270	0	18.47	18.47	18.47				
100	QPSK	1	1	18.53	18.53	18.53				
100	QPSK	1	137	18.40	18.40	18.40	19.5	0.0		
100	QPSK	1	271	18.49	18.49	18.49				
100	QPSK	135	0	18.29	18.29	18.29	19.5	0.0		
100	QPSK	135	69	18.48	18.48	18.48	19.5	0.0		
100	QPSK	135	138	18.45	18.45	18.45	19.5	0.0		
100	QPSK	270	0	18.48	18.48	18.48				
100	16QAM	1	1	18.51	18.51	18.51	19.5	0.0		
100	64QAM	1	1	18.44	18.44	18.44	19.5	0.0		
100	256QAM	1	1	18.47	18.47	18.47	19.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.40	18.47	18.45	19.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.24	18.46	18.45	19.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.40	18.40	18.36	19.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.38	18.41	18.38	19.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.34	18.40	18.40	19.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.34	18.45	18.37	19.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.39	18.47	18.38	19.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.37	18.39	18.43	19.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.41	18.39	18.41	19.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.35	18.38	18.39	19.5	0.0		



Part270 n78 PC2 Ant11 DSI 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3760	3760	3760		
Frequency (MHz)								
100	PI/2 BPSK	1	1		21.46			
100	PI/2 BPSK	1	137		21.58		22.5	0.0
100	PI/2 BPSK	1	271		21.62		22.5	0.0
100	PI/2 BPSK	135	0		21.40		22.5	0.0
100	PI/2 BPSK	135	69		21.47		22.5	0.0
100	PI/2 BPSK	135	138		21.57		22.5	0.0
100	PI/2 BPSK	270	0		21.57			
100	QPSK	1	1		21.67			
100	QPSK	1	137		21.58		22.5	0.0
100	QPSK	1	271		21.47			
100	QPSK	135	0		21.34		22.5	0.0
100	QPSK	135	69		21.62		22.5	0.0
100	QPSK	135	138		21.60			
100	QPSK	270	0		21.58		22.5	0.0
100	16QAM	1	1		21.59		22.5	0.0
100	16QAM	1	1		21.45		22.5	0.0
100	256QAM	1	1		21.49		22.5	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.50	21.58	21.52	22.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.59	21.63	21.57	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.58	21.63	21.59	22.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3750.01		
60	QPSK	1	1	21.51	21.64	21.54	22.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.56	21.61	21.60	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.53	21.61	21.60	22.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	21.54	21.67	21.55	22.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.51	21.63	21.53	22.5	0.0
Channel				647168	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3750	3785.01		
15	QPSK	1	1	21.52	21.67	21.61	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	21.53	21.61	21.54	22.5	0.0



WLAN&Bluetooth Power

<2.4GHz WLAN>

Ant 6		Full Power&Extremity Standalone			Head Standalone		Head Simultaneous		Bodyworn Standalone		Bodyworn Simultaneous		Hotspot Extremity Simultaneous		Duty Cycle %		
Mode	Channel	Frequenc y (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			
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.36	19.00	16.33	18.00	13.34	15.00	17.36	19.00	14.35	16.00	15.27	17.00	98.62	
		6	2437	19.44	21.00	16.43	18.00	13.41	15.00	17.41	19.00	14.40	16.00	15.31	17.00		
		11	2462	18.97	20.50	16.38	18.00	13.35	15.00	17.39	19.00	14.36	16.00	15.26	17.00		
	802.11g 6Mbps	1	2412	15.61	17.00	Not Required	17.00	15.00	17.00	Not Required	17.00	15.00	17.00	Not Required	17.00		99.03
		6	2437	17.53	19.50	Not Required	18.00	15.00	18.00	Not Required	19.00	15.00	19.00	Not Required	17.00		
		11	2462	18.76	20.50	Not Required	18.00	15.00	18.00	Not Required	19.00	15.00	19.00	Not Required	17.00		
802.11n-HT20 MCSO	1	2412	18.00	17.50	Not Required	17.50	15.00	17.50	Not Required	17.50	15.00	17.50	Not Required	17.00	98.15		
	6	2437	18.57	20.00	Not Required	18.00	15.00	18.00	Not Required	18.00	15.00	18.00	Not Required	17.00			
	11	2462	16.41	18.00	Not Required	18.00	15.00	18.00	Not Required	18.00	15.00	18.00	Not Required	17.00			
802.11n-HT40 MCSO	3	2422	12.62	14.00	12.62	14.00	14.00	12.62	14.00	14.00	12.62	14.00	14.00	17.00		94.91	
	4	2427	15.64	17.00	15.64	17.00	15.00	15.64	17.00	15.00	15.64	17.00	15.00	17.00			
	6	2437	15.28	18.00	16.31	18.00	15.00	17.28	18.00	15.00	17.28	18.00	15.00	17.00			
9	2452	15.80	17.50	15.90	17.50	15.00	15.90	17.50	15.00	15.90	17.50	15.00	17.00				

<5.2GHz WLAN>

Ant 5		Full Power&Extremity Standalone			Head Standalone		Head Simultaneous		Bodyworn Standalone&Extremity Simultaneous		Bodyworn Simultaneous		Hotspot		Duty Cycle %		
Mode	Channel	Frequenc y (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			
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.50	19.50	16.51	18.50	16.00	17.00	16.00	17.00	15.00	16.50	17.00	98.62		
		40	5200	17.54	19.50	16.52	18.50	16.00	17.00	16.00	17.00	15.00	16.50	17.00			
		44	5220	17.60	19.50	16.59	18.50	16.00	17.00	16.00	17.00	15.00	16.50	17.00			
	802.11n-HT20 MCSO	48	5240	17.84	19.50	16.82	18.50	16.00	17.00	Not Required	17.00	15.00	16.50	17.00		97.79	
		36	5180	16.35	18.00	Not Required	18.00	16.00	17.00	Not Required	17.00	15.00	16.50	17.00			
		40	5200	17.82	19.50	Not Required	18.50	16.00	17.00	Not Required	17.00	15.00	16.50	17.00			
	802.11n-HT40 MCSO	44	5220	17.86	19.50	Not Required	18.50	16.00	17.00	Not Required	17.00	15.00	16.50	17.00	96.32		
		48	5240	18.07	20.00	Not Required	18.50	16.00	17.00	Not Required	17.00	15.00	16.50	17.00			
		38	5190	11.43	13.00	Not Required	13.00	11.43	13.00	11.43	13.00	11.43	13.00	13.00			13.00
	802.11ac-VHT20 MCSO	46	5230	16.14	17.50	Not Required	17.50	14.65	16.00	15.63	17.00	13.15	15.00	15.11		16.50	96.52
		38	5180	16.53	18.00	Not Required	18.00	16.00	17.00	Not Required	17.00	15.00	16.50	17.00			
		40	5200	17.58	19.50	Not Required	18.50	16.00	17.00	Not Required	17.00	15.00	16.50	17.00			
802.11ac-VHT40 MCSO	44	5220	18.01	20.00	Not Required	18.50	16.00	17.00	Not Required	17.00	15.00	16.50	17.00	96.35			
	48	5240	18.13	20.00	Not Required	18.50	16.00	17.00	Not Required	17.00	15.00	16.50	17.00				
	38	5190	11.66	13.50	Not Required	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50				
802.11ac-VHT80 MCSO	46	5230	16.21	17.50	Not Required	17.50	16.00	17.00	Not Required	17.00	15.00	16.50	17.00		93.06		
	42	5210	10.61	12.00	Not Required	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00				

<5.3GHz WLAN>

Ant 5		Full Power&Extremity Standalone			Head Standalone		Head Simultaneous		Bodyworn Standalone		Bodyworn Simultaneous		Extremity Standalone		Extremity Simultaneous		Duty Cycle %
Mode	Channel	Frequenc y (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	
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.57	19.50	16.56	18.50	16.50	17.00	16.00	17.00	15.00	17.50	17.50	98.62		
		56	5280	17.66	19.50	16.65	18.50	16.50	17.00	16.00	17.00	15.00	17.50	17.50			
		60	5300	17.54	19.50	16.51	18.50	16.50	17.00	16.00	17.00	15.00	17.50	17.50			
	802.11n-HT20 MCSO	64	5320	17.22	19.00	16.25	18.00	Not Required	16.50	Not Required	17.00	Not Required	15.00	16.50		17.00	97.79
		52	5260	18.03	20.00	Not Required	18.50	16.50	17.00	Not Required	17.00	15.00	17.50	17.50			
		56	5280	17.96	19.50	Not Required	18.50	16.50	17.00	Not Required	17.00	15.00	17.50	17.50			
	802.11n-HT40 MCSO	60	5300	17.80	19.50	Not Required	18.50	16.50	17.00	Not Required	17.00	15.00	17.50	17.50	96.32		
		64	5320	17.72	19.50	Not Required	18.50	16.50	17.00	Not Required	17.00	15.00	17.50	17.50			
		54	5270	16.20	17.50	Not Required	17.50	14.65	16.50	15.61	17.00	13.32	15.00	16.20		17.50	
	802.11ac-VHT20 MCSO	62	5310	14.82	16.50	Not Required	16.50	14.62	16.50	14.62	16.50	13.26	15.00	14.62		16.50	98.52
		66	5330	18.06	19.50	Not Required	18.50	16.50	17.00	Not Required	17.00	15.00	17.50	17.50			
		56	5280	18.00	19.50	Not Required	18.50	16.50	17.00	Not Required	17.00	15.00	17.50	17.50			
802.11ac-VHT40 MCSO	60	5300	17.91	19.50	Not Required	18.50	16.50	17.00	Not Required	17.00	15.00	17.50	17.50	96.35			
	64	5320	17.73	19.00	Not Required	18.50	16.50	17.00	Not Required	17.00	15.00	17.50	17.50				
	54	5270	16.27	18.00	Not Required	18.00	16.50	17.00	Not Required	17.00	15.00	17.50	17.50				
802.11ac-VHT80 MCSO	62	5310	14.73	16.50	Not Required	16.50	16.50	16.50	Not Required	16.50	15.00	16.50	16.50		93.06		
	58	5290	12.97	14.50	Not Required	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50				

<5.5GHz WLAN>

Ant 5		Full Power			Head Standalone		Head Simultaneous		Bodyworn Standalone		Bodyworn Simultaneous		Extremity Standalone		Extremity Simultaneous		Duty Cycle %
Mode	Channel	Frequenc y (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	
5.5GHz WLAN	802.11a 6Mbps	100	5660	17.84	19.50	16.84	18.50	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	98.62
		116	5680	17.51	19.50	16.51	18.50	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
		124	5620	17.23	19.00	16.23	18.00	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
		132	5680	17.04	19.00	16.04	18.00	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
		140	5700	15.76	17.50	14.76	17.50	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
		144	5720	17.71	19.50	16.71	18.50	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
	802.11n-HT20 MCSO	100	5500	18.64	20.00	17.64	19.00	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	97.79
		116	5580	17.91	19.50	16.91	18.50	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
		124	5620	17.49	19.00	16.49	18.00	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
		132	5680	17.31	19.00	16.31	18.00	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
		140	5700	15.15	16.50	14.15	16.50	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
		144	5720	17.42	19.00	16.42	18.00	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
	802.11n-HT40 MCSO	102	5510	14.03	15.50	13.03	15.50	15.00	16.00	Not Required	14.50	15.00	12.00	14.03	15.50	13.50	96.32
		110	5550	15.95	17.50	14.95	17.50	16.50	17.00	Not Required	14.50	15.00	12.00	15.95	17.50	13.50	
		126	5630	15.44	17.00	14.44	17.00	16.50	17.00	Not Required	14.50	15.00	12.00	15.44	17.00	13.50	
		134	5670	15.21	17.00	14.21	17.00	16.50	17.00	Not Required	14.50	15.00	12.00	15.21	17.00	13.50	
		142	5710	15.72	17.50	14.72	17.50	16.50	17.00	Not Required	14.50	15.00	12.00	15.72	17.50	13.50	
		100	5500	18.70	20.00	17.70	19.00	16.50	17.00	14.50	15.00	12.00	17.00	17.00	13.50	13.50	
	802.11ac-VHT20 MCSO	116	5580	18.11	19.50	17.11	18.50	16.50	17.00	14.50	15.00	12.00					



Ant 8		Full Power&Extremity Standalone		Head Standalone		Head Simultaneous		Bodyworn Standalone		Bodyworn Simultaneous		Hotspot Extremity Simultaneous		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	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.18	19.00	16.12	18.00	13.11	15.00	17.18	19.00	14.19	16.00	15.22	17.00	98.62
		6	2437	19.18	21.00	16.22	18.00	13.23	15.00	17.23	19.00	14.22	16.00	15.27	17.00	
		11	2462	18.79	20.50	16.15	18.00	13.12	15.00	17.21	19.00	14.21	16.00	15.25	17.00	
	802.11g 6Mbps	1	2412	15.58	17.00	15.00	17.00	15.00	17.00	15.00	17.00	15.00	17.00	15.00	17.00	99.03
		2	2417	17.94	19.50	18.00	18.00	15.00	17.00	15.00	17.00	15.00	17.00	15.00	17.00	
		6	2437	18.88	20.50	18.00	18.00	15.00	17.00	15.00	17.00	15.00	17.00	15.00	17.00	
802.11n-HT20 MCSO	1	2412	16.03	17.50	17.50	17.50	15.00	17.00	17.50	17.50	15.00	17.00	15.00	17.00	98.15	
	6	2437	18.52	20.00	18.00	18.00	15.00	17.00	17.50	17.50	15.00	17.00	15.00	17.00		
	11	2462	16.29	18.00	18.00	18.00	15.00	17.00	17.50	17.50	15.00	17.00	15.00	17.00		
802.11n-HT40 MCSO	3	2422	12.55	14.00	12.55	14.00	14.00	12.55	14.00	14.00	12.55	14.00	14.00	12.55	94.91	
	4	2427	15.34	17.00	15.34	17.00	15.00	15.34	17.00	15.00	15.34	17.00	15.00	15.34		
	6	2437	17.21	19.00	16.25	18.00	15.00	17.21	19.00	15.00	17.21	19.00	15.00	17.21		

Ant 8		Full Power&Extremity Standalone		Head Standalone		Head Simultaneous		Bodyworn Standalone&Extremity Simultaneous		Bodyworn Simultaneous		Hotspot		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	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.86	19.50	16.79	18.50	16.00	17.00	15.00	15.00	15.00	16.50	16.50	98.62	
		40	5200	17.87	19.50	16.62	18.50	16.00	17.00	15.00	15.00	15.00	16.50	16.50		
		44	5220	17.78	19.50	16.82	18.50	16.00	17.00	15.00	15.00	15.00	16.50	16.50		
	802.11n-HT20 MCSO	36	5180	16.50	18.00	18.00	18.00	16.00	17.00	17.00	15.00	15.00	15.00	16.50	16.50	97.79
		40	5200	18.09	20.00	18.50	18.50	15.00	17.00	15.00	15.00	15.00	16.50	16.50		
		44	5220	18.11	20.00	18.50	18.50	15.00	17.00	15.00	15.00	15.00	16.50	16.50		
802.11n-HT40 MCSO	38	5190	11.54	13.00	13.00	11.54	13.00	11.54	13.00	11.54	13.00	11.54	13.00	13.00	96.32	
	46	5230	15.95	17.50	17.50	14.47	16.00	15.49	17.00	13.11	15.00	15.05	16.50	16.50		
	36	5180	16.72	18.00	18.00	16.00	17.00	17.00	17.00	15.00	15.00	15.00	16.50	16.50		
802.11ac-VHT20 MCSO	40	5200	18.07	20.00	18.50	18.50	15.00	17.00	17.00	15.00	15.00	15.00	16.50	16.50	98.52	
	44	5220	18.09	20.00	18.50	18.50	15.00	17.00	17.00	15.00	15.00	15.00	16.50	16.50		
	48	5240	18.04	20.00	18.50	18.50	15.00	17.00	17.00	15.00	15.00	15.00	16.50	16.50		
802.11ac-VHT40 MCSO	38	5190	11.61	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	96.35	
	46	5230	16.04	17.50	17.50	16.04	17.50	17.50	17.50	15.00	15.00	15.00	16.50	16.50		
	42	5210	10.33	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00		

Ant 8		Full Power&Extremity Standalone		Head Standalone		Head Simultaneous		Bodyworn Standalone		Bodyworn Simultaneous		Extremity Simultaneous		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	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.69	19.50	16.68	18.50	16.50	17.00	15.00	15.00	15.00	17.50	17.50	98.62	
		56	5280	17.91	19.50	16.98	18.50	16.50	17.00	15.00	15.00	15.00	17.50	17.50		
		60	5300	18.07	19.50	17.05	18.50	16.50	17.00	15.00	15.00	15.00	17.50	17.50		
	802.11n-HT20 MCSO	52	5260	18.20	20.00	18.50	18.50	16.50	17.00	17.00	15.00	15.00	15.00	17.50	17.50	97.79
		56	5280	18.31	20.00	18.50	18.50	16.50	17.00	17.00	15.00	15.00	15.00	17.50	17.50	
		60	5300	18.40	20.00	18.50	18.50	16.50	17.00	17.00	15.00	15.00	15.00	17.50	17.50	
802.11n-HT40 MCSO	54	5270	16.06	17.50	17.50	14.72	16.50	15.63	17.00	13.18	15.00	16.06	17.50	17.50	96.32	
	62	5310	14.70	16.50	14.70	16.50	14.70	16.50	13.16	15.00	14.70	16.50	16.50			
	52	5260	18.19	19.50	18.50	18.50	16.50	17.00	17.00	15.00	15.00	15.00	17.50	17.50		
802.11ac-VHT20 MCSO	56	5280	18.31	20.00	18.50	18.50	16.50	17.00	17.00	15.00	15.00	15.00	17.50	17.50	98.52	
	60	5300	18.41	20.00	18.50	18.50	16.50	17.00	17.00	15.00	15.00	15.00	17.50	17.50		
	64	5320	18.13	19.50	18.50	18.50	16.50	17.00	17.00	15.00	15.00	15.00	17.50	17.50		
802.11ac-VHT40 MCSO	54	5270	16.18	17.50	17.50	16.50	17.00	17.00	17.00	15.00	15.00	15.00	17.50	17.50	96.35	
	62	5310	14.87	16.50	16.50	16.50	16.50	16.50	13.00	15.00	15.00	15.00	16.50	16.50		
	58	5290	12.95	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50		

Ant 8		Full Power		Head Standalone		Head Simultaneous		Bodyworn Standalone		Bodyworn Simultaneous		Extremity Standalone		Extremity Simultaneous		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	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5560	17.81	19.50	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50	98.62	
		116	5580	18.19	20.00	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50		
		124	5620	18.17	20.00	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50		
		132	5660	17.82	19.50	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50		
		140	5700	18.24	19.50	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50		
		144	5720	18.22	20.00	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50		
	802.11n-HT20 MCSO	100	5560	18.38	20.00	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50	97.79	
		116	5580	18.53	20.00	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50		
		124	5620	18.54	20.00	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50		
		132	5660	18.46	20.00	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50		
		140	5700	18.76	17.50	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50		
		144	5720	18.04	19.50	15.50	15.50	13.00	14.50	12.00	12.00	16.00	16.00	13.50	13.50		
	802.11n-HT40 MCSO	102	5510	14.06	15.50	15.50	13.00	14.50	12.00	14.06	15.00	14.06	15.50	15.50	96.32		
		110	5550	16.42	18.00	15.50	15.50	13.00	14.50	12.00	16.42	18.00	16.42	18.00			
		128	5630	16.46	18.00	15.50	15.50	13.00	14.50	12.00	16.46	18.00	16.46	18.00			
		134	5670	16.34	18.00	15.50	15.50	13.00	14.50	12.00	16.34	18.00	16.34	18.00			
		142	5710	16.13	18.00	15.50	15.50	13.00	14.50	12.00	16.13	18.00	16.13	18.00			
		100	5560	18.39	20.00	15.50	15.50	13.00	14.50	12.00	18.00	18.00	18.00	13.50		13.50	
802.11ac-VHT20 MCSO	116	5580	18.57	20.00	15.50	15.50	13.00	14.50	12.00	18.00	18.00	18.00	13.50	13.50	98.52		
	124	5620	18.60	20.00	15.50	15.50	13.00	14.50	12.00	18.00	18.00	18.00	13.50	13.50			
	132	5660	18.44	20.00	15.50	15.50	13.00	14.50	12.00	18.00	18.00	18.00	13.50	13.50			
	140	5700	15.87	17.50	15.50	15.50	13.00	14.50	12.00	18.00	18.00	18.00	13.50	13.50			
	144	5720	18.06	19.50	15.50	15.50	13.00	14.50	12.00	18.00	18.00	18.00	13.50	13.50			
	102	5510	14.17	15.50	15.50	13.00	14.50	12.00	15.50	15.50	15.50	13.50	13.50				
802.11ac-VHT40 MCSO	110	5550	16.49	18.00	15.50	15.50	13.00	14.50	12.								



Ant 6+8	Mode	Channel	Full Power&Extremity Standalone		Head Standalone		Head Simultaneous		Bodyworn Standalone		Bodyworn Simultaneous		Hotspot Extremity Simultaneous		Duty Cycle %	
			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
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.28	22.00	19.23	21.00	18.23	18.00	20.28	22.00	17.27	19.00	18.25	20.00	98.62
		6	2437	22.32	24.00	19.33	21.00	16.32	18.00	20.32	22.00	17.31	19.00	18.28	20.00	
		11	2462	21.89	23.50	19.27	21.00	16.24	18.00	20.30	22.00	17.29	19.00	18.28	20.00	
		16	2412	18.55	20.00	18.00	21.00	18.00	20.00	20.00	22.00	19.00	19.00	20.00	20.00	
	802.11g 6Mbps	2	2417	20.75	22.50	21.00	21.00	18.00	21.00	18.00	22.00	17.00	19.00	18.00	20.00	99.03
		6	2437	21.73	23.50	21.00	21.00	18.00	21.00	18.00	22.00	17.00	19.00	18.00	20.00	
		11	2462	19.96	21.50	21.00	21.00	18.00	21.00	18.00	22.00	17.00	19.00	18.00	20.00	
		16	2412	19.03	20.50	20.50	21.00	18.00	21.00	18.00	20.50	19.00	19.00	20.00	20.00	
	802.11n-HT20 MCS0	1	2412	19.03	20.50	20.50	21.00	18.00	21.00	18.00	20.50	19.00	19.00	20.00	20.00	98.15
		6	2437	21.81	23.00	21.00	21.00	18.00	21.00	18.00	22.00	17.00	19.00	18.00	20.00	
		11	2462	19.36	21.00	21.00	21.00	18.00	21.00	18.00	21.00	17.00	19.00	18.00	20.00	
	802.11n-HT40 MCS0	3	2422	15.60	17.00	15.60	17.00	17.00	15.60	17.00	17.00	17.00	17.00	17.00	17.00	94.91
4		2427	18.50	20.00	18.50	20.00	18.00	18.50	20.00	18.00	18.50	20.00	19.00	20.00		
6		2437	20.28	22.00	19.23	21.00	18.00	20.28	22.00	17.27	19.00	18.25	20.00	20.00		
9		2452	18.94	20.50	18.94	20.50	18.00	18.94	20.50	18.00	18.94	20.50	19.00	20.00		
11		2462	18.94	20.50	18.94	20.50	18.00	18.94	20.50	18.00	18.94	20.50	19.00	20.00		

Ant 5+8	Mode	Channel	Full Power&Extremity Standalone		Head Standalone		Head Simultaneous		Bodyworn Standalone&Extremity Simultaneous		Bodyworn Simultaneous		Hotspot		Duty Cycle %
			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)	
5.2GHz WLAN	802.11a 6Mbps	36	5180	20.69	22.50	19.65	21.50	19.00	21.00	19.00	20.00	18.00	19.50	18.00	98.62
		40	5200	20.62	22.50	19.57	21.50	19.00	20.00	19.00	20.00	18.00	19.50	19.50	
		44	5220	20.80	22.50	19.78	21.50	19.00	20.00	19.00	20.00	18.00	19.50	19.50	
		48	5240	20.78	22.50	19.74	21.50	19.00	20.00	19.00	20.00	18.00	19.50	19.50	
		52	5260	21.12	23.00	21.50	21.50	19.00	20.00	19.00	20.00	18.00	19.50	19.50	
		56	5280	21.19	23.00	21.50	21.50	19.00	20.00	19.00	20.00	18.00	19.50	19.50	
	802.11n-HT20 MCS0	40	5200	20.96	22.50	21.50	21.50	19.00	20.00	19.00	20.00	18.00	19.50	19.50	97.79
		44	5220	20.99	22.50	21.50	21.50	19.00	20.00	19.00	20.00	18.00	19.50	19.50	
		48	5240	21.06	23.00	21.50	21.50	19.00	20.00	19.00	20.00	18.00	19.50	19.50	
	802.11n-VHT40 MCS0	38	5180	14.50	16.00	16.00	14.50	16.00	14.50	16.00	14.50	16.00	14.50	16.00	96.32
		46	5230	19.06	20.50	20.50	17.56	19.00	18.56	20.00	16.14	18.00	18.08	19.50	
	802.11ac-VHT20 MCS0	38	5180	19.64	21.00	21.00	19.00	20.00	19.00	20.00	18.00	19.50	18.00	19.50	98.52
		40	5200	20.99	22.50	21.50	21.50	19.00	20.00	19.00	20.00	18.00	19.50	19.50	
		44	5220	21.07	23.00	21.50	21.50	19.00	20.00	19.00	20.00	18.00	19.50	19.50	
	802.11ac-VHT40 MCS0	38	5190	14.65	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	96.35
		46	5230	19.14	20.50	20.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	
	802.11ac-VHT80 MCS0	42	5210	13.48	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	93.06

Ant 5+8	Mode	Channel	Full Power&Extremity Standalone		Head Standalone		Head Simultaneous		Bodyworn Standalone		Bodyworn Simultaneous		Extremity Standalone		Duty Cycle %
			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)	
5.3GHz WLAN	802.11a 6Mbps	52	5280	20.64	22.50	19.62	21.50	19.50	20.00	19.00	20.00	18.00	20.50	18.00	98.62
		56	5280	20.80	22.50	19.78	21.50	19.00	20.00	19.00	20.00	18.00	20.50	20.50	
		60	5300	20.82	22.50	19.79	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	
		64	5320	20.57	22.50	19.56	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	
		68	5340	21.12	23.00	21.50	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	
		72	5360	21.19	23.00	21.50	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	
	802.11n-HT20 MCS0	56	5280	21.19	23.00	21.50	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	97.79
		60	5300	21.16	23.00	21.50	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	
		64	5320	20.94	22.50	21.50	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	
	802.11n-HT40 MCS0	54	5270	19.14	20.50	20.50	17.69	19.50	18.62	20.00	16.25	18.00	19.14	20.50	96.32
		62	5310	17.67	19.50	19.50	17.67	19.50	16.21	18.00	17.67	19.50	17.67	19.50	
	802.11ac-VHT20 MCS0	52	5280	21.14	22.50	21.50	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	98.52
		56	5280	21.17	23.00	21.50	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	
		60	5300	21.18	23.00	21.50	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	
	802.11ac-VHT40 MCS0	54	5320	20.95	22.50	21.50	21.50	19.50	20.00	19.00	20.00	18.00	20.50	20.50	96.35
		62	5310	19.24	21.00	21.00	19.50	19.50	20.00	20.00	18.00	20.50	20.50	20.50	
	802.11ac-VHT80 MCS0	58	5290	15.97	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	93.06

Ant 5+8	Mode	Channel	Full Power		Head Standalone		Head Simultaneous		Bodyworn Standalone		Bodyworn Simultaneous		Extremity Standalone		Duty Cycle %
			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)	
5.5GHz WLAN	802.11a 6Mbps	100	5800	20.74	22.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	98.62
		116	5880	20.87	22.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
		124	5620	20.74	22.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
		132	5660	20.51	22.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
		140	5700	19.02	21.00	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
		144	5720	20.98	22.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
	802.11n-HT20 MCS0	100	5800	21.52	23.00	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	97.79
		116	5880	21.24	23.00	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
		124	5620	21.05	22.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
	802.11n-HT40 MCS0	132	5660	20.92	22.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	96.32
		140	5700	18.47	20.00	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
		144	5720	20.75	22.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
	802.11ac-VHT20 MCS0	102	5510	17.06	18.50	18.50	17.50	16.00	17.50	15.00	17.50	15.00	20.50	16.50	98.52
		110	5550	19.20	21.00	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
		126	5630	19.00	20.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
		134	5670	18.96	20.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
		142	5710	18.94	20.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
		150	5750	19.06	20.50	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	
802.11ac-VHT40 MCS0	110	5550	19.25	21.00	18.50	21.00	16.00	17.50	15.00	17.50	15.00	20.50	16.50	96.35	



Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.71	10.63	10.56	12.50
	CH 39	2441	11.93	11.88	11.86	13.50
	CH 78	2480	11.09	11.33	11.19	12.50

Mode	Channel	Frequency (MHz)	Full Power	
			Average power (dBm)	GFSK
LE	CH 00	2402	5.69	
	CH 19	2440	6.31	
	CH 39	2480	6.09	
Tune-up Limit			7.5	

Mode	Channel	Frequency (MHz)	Full Power	
			Average power (dBm)	2Mbps
LE	CH 01	2404	5.77	
	CH 19	2440	6.38	
	CH 39	2480	6.32	
Tune-up Limit			7.5	