



Full & Default Power Mode

GSM850	GSM850 Ant0 Default			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	Burst Average Power (dBm)	128	189		251	128	189	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	834.4	844.6	824.2	834.4	844.6	824.2	834.4
GSM-1 Tx slot	31.67	31.80	31.88	33.50	22.67	22.80	22.88	24.50
GPRS-1 Tx slot	31.66	31.78	31.70	33.50	22.66	22.78	22.70	24.50
GPRS-2 Tx slots	29.80	29.73	29.67	31.00	23.00	23.73	23.67	25.00
GPRS-3 Tx slots	27.71	27.77	27.68	29.00	23.45	23.51	23.42	24.74
GPRS-4 Tx slots	26.58	26.64	26.68	27.50	23.58	23.64	23.68	24.50
EDGE-1 Tx slot	26.07	26.09	26.07	27.00	17.07	17.09	17.07	18.00
EDGE-2 Tx slots	25.32	25.37	25.37	26.50	19.32	19.37	19.37	20.50
EDGE-3 Tx slots	22.66	22.63	22.59	23.00	18.40	18.37	18.33	19.74
EDGE-4 Tx slots	20.02	20.04	19.96	21.00	17.02	17.04	16.96	18.00

Band	WCDMA V Ant0 Default			Tune-up Limit (dBm)
	WCDMA V	4132	4182	
TX Channel	4132	4182	4232	4132
Rx Channel	4357	4407	4456	4357
Frequency (MHz)	823.4	838.4	848.6	823.4
3GPP Rel 99 - AMR 12.2Kbps	22.46	22.53	22.41	24.00
3GPP Rel 99 - RMC 12.2Kbps	22.47	22.58	22.49	24.00
3GPP Rel 6 - HSDPA Subtest-1	21.50	21.50	21.44	23.00
3GPP Rel 6 - HSDPA Subtest-2	21.49	21.53	21.49	23.00
3GPP Rel 6 - HSDPA Subtest-3	21.54	21.07	20.92	22.50
3GPP Rel 6 - HSDPA Subtest-4	20.89	21.07	20.98	22.50
3GPP Rel 8 - DCHSDPA Subtest-1	21.50	21.61	21.43	23.00
3GPP Rel 8 - DCHSDPA Subtest-2	21.53	21.55	21.45	23.00
3GPP Rel 8 - DCHSDPA Subtest-3	20.98	21.17	20.91	22.50
3GPP Rel 8 - DCHSDPA Subtest-4	21.00	21.06	20.85	22.50
3GPP Rel 6 - HSUPA Subtest-1	21.50	21.53	21.43	23.00
3GPP Rel 6 - HSUPA Subtest-2	19.49	19.62	19.55	21.00
3GPP Rel 6 - HSUPA Subtest-3	20.43	20.46	20.42	22.00
3GPP Rel 6 - HSUPA Subtest-4	19.50	19.67	19.37	21.00
3GPP Rel 8 - HSUPA Subtest-5	21.48	21.45	21.49	23.00



Band 5 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)	MFR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				209	383.5	444		
10	QPSK	1	0	22.30	22.40	22.36	24	0
10	QPSK	1	25	22.09	22.29	22.24		
10	QPSK	1	49	22.19	22.29	22.23		
10	QPSK	25	0	21.32	21.43	21.39	23	1
10	QPSK	35	12	21.23	21.34	21.24		
10	QPSK	25	25	21.15	21.24	21.20		
10	QPSK	50	0	21.37	21.39	21.33		

Band 26 for FCC 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)	MFR (dB)
Channel				22765	22865	22965		
Frequency (MHz)				1211.5	1311.5	1411.5		
15	QPSK	1	0	22.09	22.29	22.16	24	0
15	QPSK	1	37	22.06	22.06	22.00		
15	QPSK	1	74	22.08	22.17	22.01		
15	QPSK	36	0	21.33	21.43	21.30	23	1
15	QPSK	36	20	21.16	21.27	21.20		
15	QPSK	36	39	21.16	21.38	21.27		
15	QPSK	75	0	21.24	21.26	21.17		



GSM1900 Ant1 Default

GSM1900 TX Channel	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1850	1809.8		1852.2	1850	1809.8	
GSM 1 Tx slot	29.25	29.25	29.22	30.50	20.35	20.25	20.22	21.50
GPRS 1 Tx slot	29.26	29.26	29.20	30.50	20.28	20.26	20.20	21.50
GPRS 2 Tx slots	27.45	27.55	27.46	28.50	21.45	21.55	21.46	22.50
GPRS 3 Tx slots	24.78	24.73	24.68	26.00	20.53	20.47	20.42	21.74
GPRS 4 Tx slots	22.86	22.93	22.89	24.00	19.98	19.93	19.99	21.00
EDGE 1 Tx slot	24.47	24.56	24.49	25.50	15.47	15.56	15.49	16.50
EDGE 2 Tx slots	23.15	23.25	23.17	24.50	17.15	17.25	17.17	18.50
EDGE 3 Tx slots	21.17	21.06	21.02	22.00	16.91	16.80	16.76	17.74
EDGE 4 Tx slots	19.03	19.00	19.02	20.00	16.03	16.00	16.02	17.00

WCDMA II Ant1 Default

Band TX Channel	WCDMA II			Tune-up Limit (dbm)
	5262	5400	5538	
Rx Channel	5692	5900	5938	
Frequency (MHz)	1852.4	1880	1907.6	
3GPP Rel 99 AMR 12.2Kbps	22.35	22.58	22.40	24.00
3GPP Rel 99 RMC 12.2Kbps	22.37	22.55	22.52	24.00
3GPP Rel 6 HSDPA Subtest-1	21.51	21.67	21.38	23.00
3GPP Rel 6 HSDPA Subtest-2	21.57	21.49	21.42	23.00
3GPP Rel 6 HSDPA Subtest-3	21.15	21.16	20.96	22.50
3GPP Rel 6 HSDPA Subtest-4	20.82	20.96	20.88	22.50
3GPP Rel 6 DCHSDPA Subtest-1	21.60	21.53	21.36	23.00
3GPP Rel 6 DCHSDPA Subtest-2	21.58	21.51	21.38	23.00
3GPP Rel 6 DCHSDPA Subtest-3	20.98	21.29	20.92	22.50
3GPP Rel 6 DCHSDPA Subtest-4	20.97	21.10	20.93	22.50
3GPP Rel 6 HSUPA Subtest-1	21.42	21.69	21.64	23.00
3GPP Rel 6 HSUPA Subtest-2	19.42	19.69	19.64	21.00
3GPP Rel 6 HSUPA Subtest-3	20.32	20.50	20.35	22.00
3GPP Rel 6 HSUPA Subtest-4	19.48	19.57	19.36	21.00
3GPP Rel 6 HSUPA Subtest-5	21.42	21.65	21.56	23.00



Band 2 Ant1 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				18700	18850	19100		
Frequency (MHz)				18650	18900	19200		
20	QPSK	1	0	22.57	22.68	22.64	24	0
20	QPSK	1	49	22.43	22.59	22.54		
20	QPSK	1	99	22.57	22.80	22.49		
20	QPSK	50	0	21.82	21.79	21.70	23	1
20	QPSK	50	24	21.43	21.51	21.35		
20	QPSK	50	50	21.44	21.59	21.51		
20	QPSK	100	0	21.85	21.75	21.62		

Band 7 Ant1 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				20850	21100	21350		
Frequency (MHz)				20810	20930	21200		
20	QPSK	1	0	22.55	22.66	22.50	24	0
20	QPSK	1	49	22.26	22.42	22.35		
20	QPSK	1	99	22.47	22.60	22.51		
20	QPSK	50	0	21.59	21.71	21.60	23	1
20	QPSK	50	24	21.36	21.45	21.34		
20	QPSK	50	50	21.39	21.39	21.27		
20	QPSK	100	0	21.54	21.67	21.51		



Band 38 Ant1 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				37850	38000	38150	24	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.83	22.87	22.81		
20	QPSK	1	49	22.57	22.59	22.80	23	1
20	QPSK	1	99	22.45	22.58	22.45		
20	QPSK	50	0	21.57	21.77	21.58		
20	QPSK	50	24	21.48	21.61	21.55	23	1
20	QPSK	50	50	21.61	21.72	21.52		
20	QPSK	100	0	21.53	21.64	21.52		

Band 41 Ant1 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.81	22.68	22.90	22.68	22.66		
20	QPSK	1	49	22.54	22.53	22.74	22.62	22.65	23	1
20	QPSK	1	99	22.50	22.50	22.68	22.61	22.59		
20	QPSK	50	0	22.63	22.58	22.77	22.63	22.61		
20	QPSK	50	24	22.54	22.61	22.62	22.58	22.53	23	1
20	QPSK	50	50	22.52	22.46	22.65	22.59	22.50		
20	QPSK	100	0	22.53	22.58	22.72	22.57	22.60		



Band 42 FCC Part27Q Ant3 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				42190	42550	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.79	22.94	22.71	24	0
20	QPSK	1	49	22.63	22.69	22.56		
20	QPSK	1	99	22.86	22.81	22.73		
20	QPSK	50	0	21.82	21.89	21.84	23	1
20	QPSK	50	24	21.81	21.93	21.77		
20	QPSK	50	50	21.69	21.69	21.58		
20	QPSK	100	0	21.77	21.97	21.78		



Band 5 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				20450	20525	20600		
Frequency (MHz)				929	935	944		
10	QPSK	1	0	22.03	22.15	22.13	23	0
10	QPSK	1	25	21.89	22.05	21.89		
10	QPSK	1	49	21.97	22.14	22.01		
10	QPSK	25	0	21.13	21.27	21.18	22	1
10	QPSK	25	12	21.02	21.19	21.20		
10	QPSK	25	25	21.05	21.12	21.08		
10	QPSK	50	0	21.19	21.26	21.14		

Band 26 for FCC 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				26765	26865	26965		
Frequency (MHz)				921.5	931.5	941.5		
15	QPSK	1	0	22.04	22.19	22.15	23	0
15	QPSK	1	37	21.99	22.03	21.88		
15	QPSK	1	74	22.06	22.12	22.07		
15	QPSK	36	0	21.23	21.42	21.38	22	1
15	QPSK	36	20	21.16	21.31	21.08		
15	QPSK	36	39	21.11	21.31	21.22		
15	QPSK	75	0	21.35	21.41	21.37		



Reduced Power Mode for DSI2

GSM850	GSM850 Ant0 DSI2						
	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
	128	189	251		128	189	251
TX Channel	128	189	251	251.2	189.4	128.8	
Frequency (MHz)	824.2	836.4	848.6	33.50	22.67	22.80	24.50
CSMA 1 Tx slot	31.67	31.83	31.88				
GPRS 1 Tx slot	31.66	31.78	31.70	33.50	22.66	22.78	24.50
GPRS 2 Tx slots	29.60	29.73	29.67	31.00	23.60	23.73	25.00
GPRS 3 Tx slots	27.71	27.77	27.68	29.00	23.45	23.51	24.74
GPRS 4 Tx slots	26.58	26.84	26.69	27.50	23.58	23.68	24.50
EDGE 1 Tx slot	26.07	26.09	26.07	27.00	17.07	17.08	18.00
EDGE 2 Tx slots	25.32	25.37	25.37	26.50	19.32	19.37	20.50
EDGE 3 Tx slots	22.86	22.83	22.59	24.00	18.40	18.37	19.74
EDGE 4 Tx slots	20.02	20.04	19.98	21.00	17.02	17.04	18.00

Band	WCDMA V Ant0 DSI2				
	WCDMA V			Tune-up Limit (dBm)	
	4132	4162	4239		
TX Channel	4357	4407	4458		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	22.46	22.53	22.41	24.00
3GPP Rel 99	AMR 12.2Kbps	22.47	22.58	22.49	24.00
3GPP Rel 6	HSDPA Subtest-1	21.50	21.50	21.44	23.00
3GPP Rel 6	HSDPA Subtest-2	21.49	21.53	21.49	23.00
3GPP Rel 6	HSDPA Subtest-3	21.04	21.07	20.92	22.50
3GPP Rel 6	HSDPA Subtest-4	20.89	21.07	20.96	22.50
3GPP Rel 6	DCHSDPA Subtest-1	21.50	21.61	21.43	23.00
3GPP Rel 6	DCHSDPA Subtest-2	21.53	21.55	21.45	23.00
3GPP Rel 6	DCHSDPA Subtest-3	20.96	21.17	20.91	22.50
3GPP Rel 6	DCHSDPA Subtest-4	21.00	21.08	20.85	22.50
3GPP Rel 6	HSUPA Subtest-1	21.50	21.53	21.43	23.00
3GPP Rel 6	HSUPA Subtest-2	19.49	19.62	19.55	21.00
3GPP Rel 6	HSUPA Subtest-3	20.43	20.46	20.42	22.00
3GPP Rel 6	HSUPA Subtest-4	19.50	19.67	19.37	21.00
3GPP Rel 6	HSUPA Subtest-5	21.48	21.45	21.49	23.00



Band 5 Ant0 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Ch. / Freq. Low	Ch. / Freq. Middle	Ch. / Freq. High		
Channel				20450	20525	20600		
Frequency (MHz)				929	938.5	944		
10	QPSK	1	0	22.30	22.40	22.36	24	0
10	QPSK	1	25	22.09	22.29	22.24		
10	QPSK	1	49	22.19	22.29	22.23		
10	QPSK	25	0	21.32	21.43	21.39	23	1
10	QPSK	25	12	21.23	21.34	21.24		
10	QPSK	25	25	21.15	21.24	21.20		
10	QPSK	50	0	21.37	21.39	21.33		

Band 26 for FCC Ant0 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Ch. / Freq. Low	Ch. / Freq. Middle	Ch. / Freq. High		
Channel				20760	20860	20960		
Frequency (MHz)				931.5	931.5	931.5		
15	QPSK	1	0	22.09	22.23	22.16	24	0
15	QPSK	1	37	22.06	22.06	22.00		
15	QPSK	1	74	22.08	22.17	22.01		
15	QPSK	36	0	21.33	21.43	21.30	23	1
15	QPSK	36	20	21.16	21.27	21.20		
15	QPSK	36	39	21.16	21.38	21.27		
15	QPSK	75	0	21.24	21.29	21.17		



GSM1900 Anti1 DS2

GSM1900 TX Channel	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1850	1809.8		1852.2	1850	1809.8	
GSM 1 Tx slot	29.25	29.25	29.22	30.50	20.35	20.25	20.22	21.50
GPRS 1 Tx slot	29.26	29.26	29.20	30.50	20.28	20.26	20.20	21.50
GPRS 2 Tx slots	27.45	27.55	27.46	28.50	21.45	21.55	21.46	22.50
GPRS 3 Tx slots	24.78	24.73	24.68	26.00	20.53	20.47	20.42	21.74
GPRS 4 Tx slots	22.86	22.93	22.89	24.00	19.98	19.93	19.99	21.00
EDGE 1 Tx slot	24.47	24.56	24.49	25.50	15.47	15.56	15.49	16.50
EDGE 2 Tx slots	23.15	23.25	23.17	24.50	17.15	17.25	17.17	18.50
EDGE 3 Tx slots	21.17	21.06	21.02	22.00	16.91	16.80	16.76	17.74
EDGE 4 Tx slots	19.03	19.00	19.02	20.00	16.03	16.00	16.02	17.00

WCDMA # Anti1 DS2

Band TX Channel	WCDMA #			Tune-up Limit (dbm)
	5262	5400	5538	
Rx Channel	5692	5900	5938	
Frequency (MHz)	1852.4	1880	1907.6	
3GPP Rel 99 AMR 12.2kops	22.35	22.58	22.40	24.00
3GPP Rel 99 RMC 12.2kops	22.37	22.55	22.52	24.00
3GPP Rel 6 HSDPA Subtest-1	21.51	21.67	21.38	23.00
3GPP Rel 6 HSDPA Subtest-2	21.57	21.49	21.42	23.00
3GPP Rel 6 HSDPA Subtest-3	21.15	21.16	20.96	22.50
3GPP Rel 6 HSDPA Subtest-4	20.82	20.96	20.88	22.50
3GPP Rel 6 DCHSDPA Subtest-1	21.60	21.53	21.36	23.00
3GPP Rel 6 DCHSDPA Subtest-2	21.58	21.51	21.38	23.00
3GPP Rel 6 DCHSDPA Subtest-3	20.98	21.29	20.92	22.50
3GPP Rel 6 DCHSDPA Subtest-4	20.97	21.10	20.93	22.50
3GPP Rel 6 HSUPA Subtest-1	21.42	21.69	21.64	23.00
3GPP Rel 6 HSUPA Subtest-2	19.42	19.69	19.64	21.00
3GPP Rel 6 HSUPA Subtest-3	20.32	20.50	20.35	22.00
3GPP Rel 6 HSUPA Subtest-4	19.48	19.57	19.36	21.00
3GPP Rel 6 HSUPA Subtest-5	21.42	21.65	21.56	23.00

Band 2 Ant1 DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				16700	16800	16900		
Frequency (MHz)				1690	1690	1690		
20	QPSK	1	0	22.57	22.66	22.64	24	0
20	QPSK	1	49	22.43	22.59	22.54		
20	QPSK	1	99	22.57	22.60	22.49		
20	QPSK	50	0	21.62	21.79	21.70		
20	QPSK	50	24	21.43	21.51	21.35	23	1
20	QPSK	50	50	21.44	21.59	21.51		
20	QPSK	100	0	21.65	21.75	21.62		

Band 7 Ant1 DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				20550	21100	21550		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.55	22.66	22.50		
20	QPSK	1	49	22.26	22.42	22.35	24	0
20	QPSK	1	99	22.47	22.60	22.51		
20	QPSK	50	0	21.59	21.71	21.60		
20	QPSK	50	24	21.36	21.45	21.34	23	1
20	QPSK	50	50	21.39	21.39	21.27		
20	QPSK	100	0	21.54	21.67	21.51		



Band 38 Ant1 DSI2

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				37850	38000	38150	24	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.83	22.87	22.81		
20	QPSK	1	49	22.57	22.59	22.60	23	1
20	QPSK	1	99	22.45	22.58	22.45		
20	QPSK	50	0	21.57	21.77	21.58		
20	QPSK	50	24	21.48	21.61	21.55	23	1
20	QPSK	50	50	21.61	21.72	21.52		
20	QPSK	100	0	21.53	21.64	21.52		

Band 41 Ant1 DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Low Middle Ch. / Freq.	Middle Ch. / Freq.	High Middle Ch. / Freq.	High Ch. / Freq.		
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.81	22.68	22.90	22.68	22.66		
20	QPSK	1	49	22.54	22.53	22.74	22.62	22.65	23	1
20	QPSK	1	99	22.50	22.50	22.68	22.61	22.59		
20	QPSK	50	0	22.63	22.58	22.77	22.63	22.61		
20	QPSK	50	24	22.54	22.61	22.62	22.58	22.53	23	1
20	QPSK	50	50	22.52	22.46	22.65	22.59	22.50		
20	QPSK	100	0	22.53	22.58	22.72	22.57	22.60		

Band 42 FCC Part27Q Ant3 DSI2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	22.7	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.69	21.71	21.56	22.7	0
20	QPSK	1	49	21.42	21.54	21.45		
20	QPSK	1	99	21.50	21.59	21.58		
20	QPSK	50	0	21.50	21.53	21.39	22.7	0
20	QPSK	50	24	21.40	21.41	21.41		
20	QPSK	50	50	21.37	21.46	21.39		
20	QPSK	100	0	21.34	21.42	21.28		



Band 5 Ant4 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				20450	20520	20600		
Frequency (MHz)				202	33.5	244		
10	QPSK	1	0	20.02	20.18	19.93	21.4	0
10	QPSK	1	25	19.72	19.78	19.79		
10	QPSK	1	49	19.93	19.97	19.89		
10	QPSK	25	0	19.82	19.97	19.81		
10	QPSK	25	12	19.62	19.80	19.73	21.4	0
10	QPSK	25	25	19.63	19.86	19.69		
10	QPSK	50	0	19.78	19.85	19.74		

Band 26 for FCC Ant4 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				20765	20865	20965		
Frequency (MHz)				121.5	131.5	141.5		
15	QPSK	1	0	20.01	20.13	19.94		
15	QPSK	1	37	19.74	19.82	19.88	21.4	0
15	QPSK	1	74	19.88	19.99	19.89		
15	QPSK	36	0	19.88	19.97	19.73		
15	QPSK	36	20	19.87	19.75	19.77	21.4	0
15	QPSK	36	39	19.82	19.81	19.78		
15	QPSK	75	0	19.75	19.88	19.73		



Reduced Power Mode for DSI3

GSM850	GSM850 Ant0 DSI3			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	Burst Average Power (dBm)	Tune-up Limit (dBm)			Tune-up Limit (dBm)			
TX Channel	193	198	251	193	199	251	193	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	848.8	
GSM 1 Tx slot	31.67	31.80	31.88	33.50	22.67	22.80	22.88	24.50
GSM 1 Tx slot	31.66	31.78	31.70	33.50	22.66	22.78	22.70	24.50
GPRS 2 Tx slots	29.60	29.73	29.67	31.00	23.60	23.73	23.67	25.00
GPRS 3 Tx slots	27.71	27.77	27.68	29.00	23.45	23.51	23.42	24.74
GPRS 4 Tx slots	26.58	26.64	26.68	27.50	23.58	23.64	23.68	24.50
EDGE 1 Tx slot	26.07	26.09	26.07	27.00	17.07	17.09	17.07	18.00
EDGE 2 Tx slots	25.32	25.37	25.37	26.50	16.32	16.37	16.37	19.74
EDGE 3 Tx slots	22.66	22.63	22.59	24.00	18.40	18.37	18.33	19.74
EDGE 4 Tx slots	20.02	20.04	19.96	21.00	17.02	17.04	16.96	18.00

Band	WCDMA V Ant0 DSI3			Tune-up Limit (dBm)
	WCDMA V			
TX Channel	4132	4162	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.0	
3GPP Rel 99 RMC 12.2Kbps	22.46	22.53	22.41	24.00
3GPP Rel 99 RMC 12.2Kbps	22.47	22.58	22.49	24.00
3GPP Rel 6 HSDPA Subtest-1	21.50	21.50	21.44	23.00
3GPP Rel 6 HSDPA Subtest-2	21.48	21.53	21.49	23.00
3GPP Rel 6 HSDPA Subtest-3	21.04	21.07	20.92	22.50
3GPP Rel 6 HSDPA Subtest-4	20.89	21.07	20.96	22.50
3GPP Rel 6 DC-HSDPA Subtest-1	21.50	21.61	21.43	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	21.53	21.56	21.46	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	20.98	21.17	20.91	22.50
3GPP Rel 6 DC-HSDPA Subtest-4	21.00	21.06	20.85	22.50
3GPP Rel 6 HSUPA Subtest-1	21.50	21.53	21.43	23.00
3GPP Rel 6 HSUPA Subtest-2	19.49	19.62	19.55	21.00
3GPP Rel 6 HSUPA Subtest-3	20.43	20.46	20.42	22.00
3GPP Rel 6 HSUPA Subtest-4	19.50	19.67	19.37	21.00
3GPP Rel 6 HSUPA Subtest-5	21.48	21.45	21.49	23.00



Band 5 Ant0 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				209	383.5	444		
10	QPSK	1	0	22.30	22.40	22.36	24	0
10	QPSK	1	25	22.09	22.29	22.24		
10	QPSK	1	49	22.19	22.29	22.23		
10	QPSK	25	0	21.32	21.43	21.39	23	1
10	QPSK	35	12	21.23	21.34	21.24		
10	QPSK	25	25	21.15	21.24	21.20		
10	QPSK	50	0	21.37	21.39	21.33		

Band 26 for FCC Ant0 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				26765	26965	26965		
Frequency (MHz)				121.5	131.5	141.5		
15	QPSK	1	0	22.09	22.29	22.16	24	0
15	QPSK	1	37	22.06	22.06	22.00		
15	QPSK	1	74	22.08	22.17	22.01		
15	QPSK	36	0	21.33	21.43	21.30	23	1
15	QPSK	36	20	21.16	21.27	21.20		
15	QPSK	36	39	21.16	21.38	21.27		
15	QPSK	75	0	21.24	21.26	21.17		



GSM1900 Ant1 DS3

GSM1900 TX Channel	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1850	1807.8		1852.2	1850	1807.8	
GSM 1 Tx slot	29.25	29.25	29.22	30.50	20.35	20.25	20.22	21.50
GPRS 1 Tx slot	29.26	29.26	29.20	30.50	20.28	20.26	20.20	21.50
GPRS 2 Tx slots	27.45	27.55	27.46	28.50	21.45	21.55	21.46	22.50
GPRS 3 Tx slots	24.79	24.73	24.68	26.00	20.53	20.47	20.42	21.74
GPRS 4 Tx slots	22.86	22.93	22.89	24.00	19.86	19.93	19.89	21.00
EDGE 1 Tx slot	24.47	24.56	24.49	25.50	15.47	15.56	15.49	16.50
EDGE 2 Tx slots	23.15	23.25	23.17	24.50	17.15	17.25	17.17	18.50
EDGE 3 Tx slots	21.17	21.06	21.02	22.00	16.91	16.80	16.76	17.74
EDGE 4 Tx slots	19.03	19.00	19.02	20.00	16.03	16.00	16.02	17.00

WCDMA # Ant1 DS3

Band TX Channel	WCDMA #1			Tune-up Limit (dbm)
	5262	5400	5538	
Rx Channel	5682	5900	5938	
Frequency (MHz)	1852.4	1880	1907.6	
3GPP Rel 99 AMR 12.2kops	21.13	21.24	21.13	22.30
3GPP Rel 99 RMC 12.2kops	21.15	21.25	21.28	22.30
3GPP Rel 6 HSDPA Subtest-1	20.30	20.39	20.18	21.30
3GPP Rel 6 HSDPA Subtest-2	20.22	20.31	20.21	21.30
3GPP Rel 6 HSDPA Subtest-3	19.90	19.87	19.64	20.80
3GPP Rel 6 HSDPA Subtest-4	19.48	19.72	19.66	20.80
3GPP Rel 6 DCHSDPA Subtest-1	20.28	20.38	20.12	21.30
3GPP Rel 6 DCHSDPA Subtest-2	20.29	20.27	20.05	21.30
3GPP Rel 6 DCHSDPA Subtest-3	19.68	20.02	19.65	20.80
3GPP Rel 6 DCHSDPA Subtest-4	19.79	19.81	19.70	20.80
3GPP Rel 6 HSUPA Subtest-1	20.15	20.25	20.29	21.30
3GPP Rel 6 HSUPA Subtest-2	18.20	18.44	18.36	19.30
3GPP Rel 6 HSUPA Subtest-3	19.05	18.15	19.12	20.30
3GPP Rel 6 HSUPA Subtest-4	18.15	18.26	18.16	19.30
3GPP Rel 6 HSUPA Subtest-5	20.14	20.37	20.34	21.30



Band 2 Ant1 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				18700	18800	19100		
Frequency (MHz)				18650	18850	19200		
20	QPSK	1	0	20.39	20.41	20.32	21.7	0
20	QPSK	1	49	20.17	20.28	20.28		
20	QPSK	1	99	20.29	20.33	20.27		
20	QPSK	50	0	20.13	20.36	20.19	21.7	0
20	QPSK	50	24	20.21	20.21	20.13		
20	QPSK	50	50	20.12	20.29	20.15		
20	QPSK	100	0	20.17	20.23	20.21		

Band 7 Ant1 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				20850	21100	21350		
Frequency (MHz)				20800	21050	21400		
20	QPSK	1	0	21.72	21.74	21.66	22.6	0
20	QPSK	1	49	21.36	21.51	21.44		
20	QPSK	1	99	21.60	21.64	21.51		
20	QPSK	50	0	21.60	21.67	21.54	22.6	0
20	QPSK	50	24	21.41	21.45	21.35		
20	QPSK	50	50	21.38	21.45	21.24		
20	QPSK	100	0	21.53	21.63	21.50		



Band 38 Ant1 DSI3

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				37850	38000	38150	22.8	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.29	22.36	22.35	22.8	0
20	QPSK	1	49	22.03	22.25	22.07		
20	QPSK	1	99	22.04	21.96	21.97		
20	QPSK	50	0	21.63	21.76	21.59		
20	QPSK	50	24	21.46	21.61	21.54		
20	QPSK	50	50	21.62	21.69	21.59	22.8	0
20	QPSK	100	0	21.53	21.68	21.53		

Band 41 Ant1 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Low Middle Ch. / Freq.	Middle Ch. / Freq.	High Middle Ch. / Freq.	High Ch. / Freq.		
Channel				39750	40185	40620	41055	41490	22.8	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.36	22.06	22.38	22.15	22.27	22.8	0
20	QPSK	1	49	22.05	22.11	22.16	22.09	22.19		
20	QPSK	1	99	22.02	22.00	22.16	22.17	22.08		
20	QPSK	50	0	21.68	21.69	21.85	21.79	21.68		
20	QPSK	50	24	21.61	21.69	21.79	21.68	21.64		
20	QPSK	50	50	21.61	21.56	21.75	21.63	21.57	22.8	0
20	QPSK	100	0	21.70	21.66	21.84	21.69	21.72		

Band 42 FCC Part27Q Ant3 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.38	19.62	19.31	20.4	0
20	QPSK	1	49	19.23	19.29	19.16		
20	QPSK	1	99	19.28	19.30	19.37		
20	QPSK	50	0	19.21	19.34	19.21	20.4	0
20	QPSK	50	24	19.13	19.09	19.19		
20	QPSK	50	50	19.18	19.23	19.17		
20	QPSK	100	0	19.11	19.18	19.14		



Band 5 Ant4 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				929	938.5	944		
10	QPSK	1	0	22.07	22.14	22.13	22.9	0
10	QPSK	1	25	21.84	22.03	21.91		
10	QPSK	1	49	21.99	22.10	21.98		
10	QPSK	25	0	21.22	21.33	21.23	22	0.9
10	QPSK	25	12	21.03	21.26	21.14		
10	QPSK	25	25	21.04	21.14	21.05		
10	QPSK	50	0	21.28	21.30	21.17		

Band 26 for FCC Ant4 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				121.5	131.5	141.5		
15	QPSK	1	0	22.13	22.17	22.11	22.9	0
15	QPSK	1	37	21.95	22.01	21.92		
15	QPSK	1	74	22.06	22.13	22.06		
15	QPSK	36	0	21.22	21.39	21.35	22	0.9
15	QPSK	36	20	21.15	21.29	21.16		
15	QPSK	36	39	21.12	21.26	21.20		
15	QPSK	75	0	21.32	21.38	21.34		



Reduced Power Mode for DS16

GSM850 And DS16								
GSM850	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	834.4	844.6	824.2	834.4	844.6	824.2	834.4
GSM-1 Tx slot	31.67	31.80	31.88	33.50	22.67	22.80	22.88	24.50
GPRS-1 Tx slot	31.66	31.78	31.70	33.50	22.66	22.78	22.70	24.50
GPRS-2 Tx slots	29.80	29.73	29.67	31.00	23.00	23.73	23.67	25.00
GPRS-3 Tx slots	27.71	27.77	27.68	29.00	23.45	23.51	23.42	24.74
GPRS-4 Tx slots	26.58	26.64	26.68	27.50	23.58	23.64	23.68	24.50
EDGE-1 Tx slot	26.07	26.09	26.07	27.00	17.07	17.09	17.07	18.00
EDGE-2 Tx slots	25.32	25.37	25.37	26.50	19.32	19.37	19.37	20.50
EDGE-3 Tx slots	22.66	22.63	22.59	23.00	18.40	18.37	18.33	19.74
EDGE-4 Tx slots	20.02	20.04	19.96	21.00	17.02	17.04	16.96	18.00

WCDMA V And DS16				
Band	WCDMA V			Tune-up Limit (dbm)
	4132	4182	4233	
TX Channel	4132	4182	4233	4132
Rx Channel	4357	4407	4456	4357
Frequency (MHz)	823.4	838.4	848.6	823.4
3GPP Rel 99 RMC 12.2Kbps	22.46	22.53	22.41	24.00
3GPP Rel 99 RMC 12.2Kbps	22.47	22.58	22.49	24.00
3GPP Rel 6 HSDPA Subtest-1	21.50	21.50	21.44	23.00
3GPP Rel 6 HSDPA Subtest-2	21.49	21.53	21.49	23.00
3GPP Rel 6 HSDPA Subtest-3	21.54	21.07	20.92	22.50
3GPP Rel 6 HSDPA Subtest-4	20.89	21.07	20.98	22.50
3GPP Rel 6 DCHSDPA Subtest-1	21.50	21.61	21.43	23.00
3GPP Rel 6 DCHSDPA Subtest-2	21.53	21.55	21.45	23.00
3GPP Rel 6 DCHSDPA Subtest-3	20.98	21.17	20.91	22.50
3GPP Rel 6 DCHSDPA Subtest-4	21.00	21.06	20.85	22.50
3GPP Rel 6 HSUPA Subtest-1	21.50	21.53	21.43	23.00
3GPP Rel 6 HSUPA Subtest-2	19.49	19.62	19.55	21.00
3GPP Rel 6 HSUPA Subtest-3	20.43	20.46	20.42	22.00
3GPP Rel 6 HSUPA Subtest-4	19.50	19.67	19.37	21.00
3GPP Rel 6 HSUPA Subtest-5	21.48	21.45	21.49	23.00



Band 5 Ant0 DSI6								
BW (MHz)	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)				220	238.5	244		
10	QPSK	1	0	22.30	22.40	22.38		
10	QPSK	1	25	22.09	22.29	22.24	24	0
10	QPSK	1	49	22.19	22.29	22.23		
10	QPSK	25	0	21.32	21.43	21.39		
10	QPSK	25	12	21.23	21.34	21.24		
10	QPSK	25	25	21.15	21.24	21.20		
10	QPSK	50	0	21.37	21.38	21.33	23	1

Band 26 for FCC Ant0 DSI6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26852	26955		
Frequency (MHz)				824.5	831.5	841.5		
15	QPSK	1	0	22.09	22.29	22.16		
15	QPSK	1	37	22.06	22.06	22.00	24	0
15	QPSK	1	74	22.08	22.17	22.01		
15	QPSK	36	0	21.33	21.43	21.30		
15	QPSK	36	20	21.18	21.27	21.20		
15	QPSK	36	39	21.16	21.38	21.27	23	1
15	QPSK	75	0	21.24	21.26	21.17		



GSM1900 Ant1 DS96

GSM1900 TX Channel	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1850	1850.8		1850.2	1848	1850.8	
GSM 1 Tx slot	29.25	29.25	29.22	30.50	20.35	20.25	20.22	21.50
GPRS 1 Tx slot	29.26	29.26	29.20	30.50	20.28	20.26	20.20	21.50
GPRS 2 Tx slots	27.45	27.55	27.46	28.50	21.45	21.55	21.46	22.50
GPRS 3 Tx slots	24.78	24.73	24.68	26.00	20.53	20.47	20.42	21.74
GPRS 4 Tx slots	22.86	22.83	22.89	24.00	19.86	19.83	19.89	21.00
EDGE 1 Tx slot	24.47	24.56	24.49	25.50	15.47	15.56	15.49	16.50
EDGE 2 Tx slots	23.15	23.25	23.17	24.50	17.15	17.25	17.17	18.50
EDGE 3 Tx slots	21.17	21.06	21.02	22.00	16.91	16.80	16.76	17.74
EDGE 4 Tx slots	19.03	19.00	19.02	20.00	16.03	16.00	16.02	17.00

WCDMA # Ant1 DS6

Band	WCDMA #1			Tune-up Limit (dbm)
	5262	5400	5538	
Rx Channel	5682	5800	5938	
Frequency (MHz)	1852.4	1880	1907.6	
3GPP Rel 99 AMR 12.2kops	22.01	22.07	21.95	23.60
3GPP Rel 99 RMC 12.2kops	22.01	22.11	22.05	23.60
3GPP Rel 6 HSDPA Subtest-1	21.15	21.22	20.90	22.60
3GPP Rel 6 HSDPA Subtest-2	21.08	21.10	21.00	22.60
3GPP Rel 6 HSDPA Subtest-3	20.71	20.67	20.44	22.10
3GPP Rel 6 HSDPA Subtest-4	20.49	20.54	20.45	22.10
3GPP Rel 6 DCH-HSDPA Subtest-1	21.11	21.17	20.92	22.60
3GPP Rel 6 DCH-HSDPA Subtest-2	21.13	21.05	20.93	22.60
3GPP Rel 6 DCH-HSDPA Subtest-3	20.57	20.87	20.50	22.10
3GPP Rel 6 DCH-HSDPA Subtest-4	20.59	20.86	20.52	22.10
3GPP Rel 6 HSUPA Subtest-1	20.97	21.13	21.19	22.60
3GPP Rel 6 HSUPA Subtest-2	19.08	19.24	19.21	20.60
3GPP Rel 6 HSUPA Subtest-3	20.07	20.10	20.12	21.60
3GPP Rel 6 HSUPA Subtest-4	19.04	19.72	18.92	20.60
3GPP Rel 6 HSUPA Subtest-5	20.97	21.16	21.13	22.60



Band 2 Ant1 DSI6								
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				18700	18850	19100		
Frequency (MHz)				18650	18900	19200		
20	QPSK	1	0	22.13	22.28	22.11	23.7	0
20	QPSK	1	49	22.05	22.14	22.18		
20	QPSK	1	99	22.10	22.23	22.07		
20	QPSK	50	0	21.67	21.72	21.64	23	0.7
20	QPSK	50	24	21.41	21.58	21.35		
20	QPSK	50	50	21.39	21.58	21.51		
20	QPSK	100	0	21.61	21.71	21.67		

Band 7 Ant1 DSI6								
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				20850	21100	21350		
Frequency (MHz)				20810	20930	20900		
20	QPSK	1	0	21.72	21.74	21.66	23.3	0
20	QPSK	1	49	21.38	21.51	21.44		
20	QPSK	1	99	21.60	21.64	21.51		
20	QPSK	50	0	21.60	21.67	21.54	23	0.3
20	QPSK	50	24	21.41	21.45	21.35		
20	QPSK	50	50	21.38	21.45	21.24		
20	QPSK	100	0	21.53	21.63	21.50		



Band 38 Ant1 DSI6

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				37850	38000	38150	24	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.83	22.87	22.81		
20	QPSK	1	49	22.57	22.59	22.60	23	1
20	QPSK	1	99	22.45	22.58	22.45		
20	QPSK	50	0	21.57	21.77	21.58		
20	QPSK	50	24	21.48	21.61	21.55	23	1
20	QPSK	50	50	21.61	21.72	21.52		
20	QPSK	100	0	21.53	21.64	21.52		

Band 41 Ant1 DSI6

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Low Middle Ch. / Freq.	Middle Ch. / Freq.	High Middle Ch. / Freq.	High Ch. / Freq.		
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.81	22.68	22.90	22.68	22.66		
20	QPSK	1	49	22.54	22.53	22.74	22.62	22.65	23	1
20	QPSK	1	99	22.50	22.50	22.68	22.61	22.59		
20	QPSK	50	0	22.63	22.58	22.77	22.63	22.61		
20	QPSK	50	24	22.54	22.61	22.62	22.58	22.53	23	1
20	QPSK	50	50	22.52	22.46	22.65	22.59	22.50		
20	QPSK	100	0	22.53	22.58	22.72	22.57	22.60		



Band 42 FCC Part27Q Ant3 DSI6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.28	22.47	22.29	23.4	0
20	QPSK	1	49	22.15	22.23	22.16		
20	QPSK	1	99	22.22	22.30	22.19		
20	QPSK	50	0	21.84	21.85	21.81	23	0.4
20	QPSK	50	24	21.84	21.85	21.78		
20	QPSK	50	50	21.62	21.66	21.59		
20	QPSK	100	0	21.81	21.93	21.83		



Band 5 Ant4 DSI6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				929	938.5	944		
10	QPSK	1	0	22.03	22.15	22.13	23	0
10	QPSK	1	25	21.89	22.05	21.89		
10	QPSK	1	49	21.97	22.14	22.01		
10	QPSK	25	0	21.13	21.27	21.18	22	1
10	QPSK	25	12	21.02	21.19	21.20		
10	QPSK	25	25	21.05	21.12	21.08		
10	QPSK	50	0	21.19	21.26	21.14		

Band 26 for FCC Ant4 DSI6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				921.5	931.5	941.5		
15	QPSK	1	0	22.04	22.19	22.15	23	0
15	QPSK	1	37	21.99	22.03	21.88		
15	QPSK	1	74	22.06	22.12	22.07		
15	QPSK	36	0	21.23	21.42	21.38	22	1
15	QPSK	36	20	21.16	21.31	21.08		
15	QPSK	36	39	21.11	21.31	21.22		
15	QPSK	75	0	21.35	21.41	21.37		



Reduced Power Mode for DSI7

	GSM850 AHD DSI7			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	Burst	Average Power (dBm)			128	189	251	
GSM850 TX Channel	328	189	251	33.50	22.66	22.78	22.88	24.50
Frequency (MHz)	894.2	894.4	894.6	31.00	23.00	23.73	23.67	25.00
GSM 1 Tx slot	31.67	31.80	31.88	33.50	22.67	22.80	22.88	24.50
GPRS 1 Tx slot	31.66	31.78	31.70	33.50	22.66	22.78	22.70	24.50
GPRS 2 Tx slots	29.60	29.73	29.67	31.00	23.00	23.73	23.67	25.00
GPRS 3 Tx slots	27.71	27.77	27.68	29.00	23.45	23.51	23.42	24.74
GPRS 4 Tx slots	26.58	26.64	26.68	27.50	23.58	23.64	23.68	24.50
EDGE 1 Tx slot	26.07	26.09	26.07	27.00	17.07	17.09	17.07	18.00
EDGE 2 Tx slots	25.36	25.37	25.37	26.50	19.32	19.37	19.37	20.50
EDGE 3 Tx slots	22.86	22.83	22.59	24.00	18.40	18.37	18.33	19.74
EDGE 4 Tx slots	20.02	20.04	19.96	21.00	17.02	17.04	16.96	18.00

Band	WCDMA V AHD DSI7			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	
Rx Channel	4357	4407	4458	
Frequency (MHz)	523.4	538.4	543.6	
3GPP Rel 99 AMR 12.2Kbps	22.46	22.53	22.41	24.00
3GPP Rel 99 RMC 12.2Kbps	22.47	22.50	22.49	24.00
3GPP Rel 6 HSDPA Subtest-1	21.50	21.50	21.44	23.00
3GPP Rel 6 HSDPA Subtest-2	21.49	21.53	21.49	23.00
3GPP Rel 6 HSDPA Subtest-3	21.04	21.07	20.92	22.50
3GPP Rel 6 HSDPA Subtest-4	20.89	21.07	20.96	22.50
3GPP Rel 6 DCHSDPA Subtest-1	21.50	21.61	21.43	23.00
3GPP Rel 6 DCHSDPA Subtest-2	21.53	21.55	21.45	23.00
3GPP Rel 6 DCHSDPA Subtest-3	20.98	21.17	20.91	22.50
3GPP Rel 6 DCHSDPA Subtest-4	21.00	21.06	20.85	22.50
3GPP Rel 6 HSUPA Subtest-1	21.50	21.53	21.43	23.00
3GPP Rel 6 HSUPA Subtest-2	19.49	19.62	19.56	21.00
3GPP Rel 6 HSUPA Subtest-3	20.43	20.46	20.42	22.00
3GPP Rel 6 HSUPA Subtest-4	19.50	19.67	19.37	21.00
3GPP Rel 6 HSUPA Subtest-5	21.48	21.45	21.49	23.00



Band 5 Ant0 DSI7

Band	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)				22.30	22.40	22.38		
10	QPSK	1	0	22.30	22.40	22.38	24	0
10	QPSK	1	25	22.09	22.29	22.24		
10	QPSK	1	49	22.19	22.29	22.23		
10	QPSK	25	0	21.32	21.43	21.39		
10	QPSK	25	12	21.23	21.34	21.24		
10	QPSK	25	25	21.15	21.24	21.20		
10	QPSK	50	0	21.37	21.38	21.33	23	1

Band 26 for FCC Ant0 DSI7

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26850	26935		
Frequency (MHz)				421.5	431.5	441.5		
15	QPSK	1	0	22.09	22.29	22.16		
15	QPSK	1	37	22.06	22.06	22.00	24	0
15	QPSK	1	74	22.08	22.17	22.01		
15	QPSK	36	0	21.33	21.43	21.30		
15	QPSK	36	20	21.18	21.27	21.20		
15	QPSK	36	39	21.16	21.38	21.27		
15	QPSK	75	0	21.24	21.26	21.17	23	1



GSM1900 Ant1 DS17

GSM1900 TX Channel	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1850	1809.8		1850.2	1810	1809.8	
GSM 1 Tx slot	29.25	29.25	29.22	30.50	20.35	20.25	20.22	21.50
GPRS 1 Tx slot	29.26	29.26	29.20	30.50	20.28	20.26	20.20	21.50
GPRS 2 Tx slots	27.45	27.55	27.46	28.50	21.45	21.55	21.46	22.50
GPRS 3 Tx slots	24.78	24.73	24.68	26.00	20.53	20.47	20.42	21.74
GPRS 4 Tx slots	22.86	22.83	22.89	24.00	19.86	19.83	19.89	21.00
EDGE 1 Tx slot	24.47	24.56	24.49	25.50	15.47	15.56	15.49	16.50
EDGE 2 Tx slots	23.15	23.25	23.17	24.50	17.15	17.25	17.17	18.50
EDGE 3 Tx slots	21.17	21.06	21.02	22.00	16.91	16.80	16.76	17.74
EDGE 4 Tx slots	19.03	19.00	19.02	20.00	16.03	16.00	16.02	17.00

WCDMA # Ant1 DS17

Band	WCDMA #1			Tune-up Limit (dbm)
	5262	5400	5538	
Rx Channel	5682	5900	5938	
Frequency (MHz)	1852.4	1880	1907.6	
3GPP Rel 99 AMR 12.2kops	19.28	19.48	19.34	21.20
3GPP Rel 99 RMC 12.2kops	19.29	19.51	19.39	21.20
3GPP Rel 6 HSDPA Subtest-1	18.41	18.52	18.32	20.20
3GPP Rel 6 HSDPA Subtest-2	18.41	18.40	18.32	20.20
3GPP Rel 6 HSDPA Subtest-3	18.13	18.07	17.79	19.70
3GPP Rel 6 HSDPA Subtest-4	17.77	17.85	17.81	19.70
3GPP Rel 6 DCHSDPA Subtest-1	18.49	18.48	18.27	20.20
3GPP Rel 6 DCHSDPA Subtest-2	18.49	18.44	18.31	20.20
3GPP Rel 6 DCHSDPA Subtest-3	17.89	18.19	17.87	19.70
3GPP Rel 6 DCHSDPA Subtest-4	17.96	17.96	17.89	19.70
3GPP Rel 6 HSUPA Subtest-1	19.27	18.50	18.52	20.20
3GPP Rel 6 HSUPA Subtest-2	16.36	16.52	16.55	18.20
3GPP Rel 6 HSUPA Subtest-3	17.23	17.40	17.24	19.20
3GPP Rel 6 HSUPA Subtest-4	16.41	16.43	16.34	18.20
3GPP Rel 6 HSUPA Subtest-5	16.36	16.58	16.49	20.20



Band 2 Ant1 DSI7								
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				18700	18850	19100		
Frequency (MHz)				18650	18900	19200		
20	QPSK	1	0	20.25	20.59	20.26	21.3	0
20	QPSK	1	49	20.10	20.31	20.11		
20	QPSK	1	99	20.22	20.27	20.34		
20	QPSK	50	0	20.47	20.52	20.38	21.3	0
20	QPSK	50	24	20.35	20.42	20.33		
20	QPSK	50	50	20.43	20.47	20.43		
20	QPSK	100	0	20.32	20.57	20.35		

Band 7 Ant1 DSI7								
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				20650	21100	21550		
Frequency (MHz)				20600	20850	21600		
20	QPSK	1	0	21.04	21.11	21.02	22.5	0
20	QPSK	1	49	20.83	20.88	20.81		
20	QPSK	1	99	20.91	20.90	20.93		
20	QPSK	50	0	20.80	20.92	20.84	22.5	0
20	QPSK	50	24	20.72	20.75	20.74		
20	QPSK	50	50	20.71	20.89	20.88		
20	QPSK	100	0	20.71	20.91	20.69		



Band 38 Ant1 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	22.8	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.30	22.38	22.33			
20	QPSK	1	49	22.15	22.21	22.18	22.8	0	
20	QPSK	1	99	22.16	22.27	22.09			
20	QPSK	50	0	21.61	21.68	21.62			
20	QPSK	50	24	21.52	21.60	21.61	22.8	0	
20	QPSK	50	50	21.58	21.66	21.59			
20	QPSK	100	0	21.61	21.65	21.58			

Band 41 Ant1 DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	22.8	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.36	22.16	22.39	22.24	22.26		
20	QPSK	1	49	22.09	22.10	22.13	22.11	22.21	22.8	0
20	QPSK	1	99	22.04	22.04	22.23	22.16	22.16		
20	QPSK	50	0	22.11	22.14	22.31	22.14	22.16		
20	QPSK	50	24	21.91	22.03	22.23	22.16	21.98	22.8	0
20	QPSK	50	50	22.07	22.07	22.10	21.88	21.98		
20	QPSK	100	0	22.02	22.03	22.23	22.02	22.08		



Band 42 FCC Part27Q Ant3 DSI7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42550	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	16.45	16.59	16.48	17.5	0
20	QPSK	1	49	16.37	16.38	16.33		
20	QPSK	1	99	16.39	16.47	16.32		
20	QPSK	50	0	16.40	16.45	16.32	17.5	0
20	QPSK	50	24	16.27	16.21	16.25		
20	QPSK	50	50	16.20	16.29	16.36		
20	QPSK	100	0	16.21	16.25	16.19		



Band 5 Ant4 DSI7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				929	938.5	944		
10	QPSK	1	0	21.13	21.25	21.02	22.3	0
10	QPSK	1	25	20.83	21.01	20.85		
10	QPSK	1	49	20.95	21.19	21.00		
10	QPSK	25	0	21.00	21.01	21.00	22	0.3
10	QPSK	25	12	20.85	20.84	20.86		
10	QPSK	25	25	20.88	20.96	20.91		
10	QPSK	50	0	20.78	20.95	20.93		

Band 26 for FCC Ant4 DSI7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				20765	20905	20965		
Frequency (MHz)				121.5	131.5	141.5		
15	QPSK	1	0	21.12	21.21	21.03	22.3	0
15	QPSK	1	37	20.88	20.92	20.82		
15	QPSK	1	74	20.95	21.08	20.99		
15	QPSK	36	0	20.98	21.01	21.00	22	0.3
15	QPSK	36	20	20.81	20.85	20.87		
15	QPSK	36	39	20.90	20.95	20.93		
15	QPSK	75	0	20.83	20.93	20.86		



Full & Default Power Mode

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)	MFR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				824	836.5	849			
20	QPSK	1	1	23.09	23.12	23.07	24.0	0.0	0.0
20	QPSK	50	28	22.74	22.89	22.87	24.0	0.0	0.0
20	QPSK	100	0	21.84	21.91	21.85	23.0	1.0	1.0

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)	MFR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	22.92	22.98	22.91	24.0	0.0	0.0
20	QPSK	50	28	22.77	22.89	22.88	24.0	0.0	0.0
20	QPSK	100	0	21.84	22.01	21.88	23.0	1.0	1.0



n7 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				50400	50700	51000		
Frequency (MHz)				2120	2155	2190		
40	QPSK	1	1	22.60	22.71	22.82	24.0	0.0
40	QPSK	108	54	22.43	22.50	22.45	24.0	0.0
40	QPSK	216	0	21.54	21.57	21.55	23.0	1.0



n38 Ant1 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				518004	519000	519996		
Frequency (MHz)				2590.02	2600	2609.98		
40	QPSK	1	1	23.21	23.25	23.10	24.0	0.0
40	QPSK	50	28	22.92	23.08	22.97	24.0	0.0
40	QPSK	100	0	22.09	22.19	22.07	23.0	1.0

n41 Ant1 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				509202	516508	528000		
Frequency (MHz)				2543.01	2602.96	2640		
100	QPSK	1	1	22.87	23.03	22.88	24.0	0.0
100	QPSK	135	69	22.57	22.66	22.58	24.0	0.0
100	QPSK	270	0	21.71	21.80	21.71	23.0	1.0



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				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.63	22.72	22.63	24.0	0.0
20	QPSK	50	28	22.43	22.48	22.38	24.0	0.0
20	QPSK	100	0	21.46	21.57	21.51	22.0	1.0

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				154800	155300	155800		
Frequency (MHz)				774	775.5	777		
20	QPSK	1	1	22.62	22.73	22.70	24.0	0.0
20	QPSK	50	28	22.35	22.49	22.43	24.0	0.0
20	QPSK	100	0	21.53	21.69	21.61	23.0	1.0



Part270 n77 Ant3 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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.38	22.54	22.49	24.0	0.0	
100	PI/2 BPSK	1	137	22.35	22.43	22.41			
100	PI/2 BPSK	1	271	22.28	22.40	22.37			
100	PI/2 BPSK	135	0	21.97	22.10	21.93	23.5	0.5	
100	PI/2 BPSK	135	69	22.36	22.43	22.46	24.0	0.0	
100	PI/2 BPSK	135	138	21.98	22.15	22.00			
100	PI/2 BPSK	270	0	21.99	22.20	22.12	23.5	0.5	
100	QPSK	1	1	22.49	22.59	22.49			
100	QPSK	1	137	22.41	22.52	22.48	24.0	0.0	
100	QPSK	1	271	22.35	22.47	22.31			
100	QPSK	135	0	21.51	21.56	21.43	23.0	1.0	
100	QPSK	135	69	22.36	22.54	22.47	24.0	0.0	
100	QPSK	135	138	21.42	21.55	21.40	23.0	1.0	
100	QPSK	270	0	21.60	21.64	21.48	23.0	1.0	
100	16QAM	1	1	21.41	21.41	21.37	23.0	1.0	
100	64QAM	1	1	19.80	19.89	19.81	21.5	2.5	
100	256QAM	1	1	17.75	17.90	17.74	19.5	4.5	
Channel				648668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	22.36	22.47	22.35	24.0	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	22.42	22.47	22.38	24.0	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	22.35	22.49	22.40	24.0	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	22.42	22.47	22.41	24.0	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	22.35	22.45	22.36	24.0	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	22.44	22.46	22.38	24.0	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	22.37	22.50	22.42	24.0	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	22.35	22.45	22.38	24.0	0.0	

Part270 n77 PC2 Ant3 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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.39	25.52	25.45	27.0	0.0	
100	PI/2 BPSK	1	137	25.36	25.45	25.39			
100	PI/2 BPSK	1	271	25.25	25.37	25.28			
100	PI/2 BPSK	135	0	25.00	25.08	24.88	26.5	0.5	
100	PI/2 BPSK	135	69	25.38	25.52	25.38	27.0	0.0	
100	PI/2 BPSK	135	138	24.99	25.14	25.05	26.5	0.5	
100	PI/2 BPSK	270	0	25.05	25.21	25.03			
100	QPSK	1	1	25.49	25.59	25.49			
100	QPSK	1	137	25.39	25.51	25.45	27.0	0.0	
100	QPSK	1	271	25.37	25.53	25.39			
100	QPSK	135	0	24.51	24.52	24.40	26.0	1.0	
100	QPSK	135	69	25.35	25.56	25.46	27.0	0.0	
100	QPSK	135	138	24.49	24.62	24.40	26.0	1.0	
100	QPSK	270	0	24.57	24.67	24.47			
100	16QAM	1	1	24.44	24.46	24.39	26.0	1.0	
100	64QAM	1	1	22.80	22.87	22.81	24.5	2.5	
100	256QAM	1	1	20.84	20.85	20.80	22.5	4.5	
Channel				648668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	25.39	25.54	25.43	27.0	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	25.41	25.53	25.36	27.0	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	25.41	25.51	25.39	27.0	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	25.38	25.53	25.43	27.0	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	25.34	25.51	25.42	27.0	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	25.41	25.45	25.34	27.0	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	25.37	25.45	25.39	27.0	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	25.44	25.49	25.39	27.0	0.0	



Part270 n78 Ant3 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				65000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	22.46					
100	PI/2 BPSK	1	137	22.37			24.0	0.0	
100	PI/2 BPSK	1	271	22.33					
100	PI/2 BPSK	135	0	21.93			23.5	0.5	
100	PI/2 BPSK	135	69	22.40			24.0	0.0	
100	PI/2 BPSK	135	138	22.01					
100	PI/2 BPSK	270	0	22.07			23.5	0.5	
100	QPSK	1	1	22.51					
100	QPSK	1	137	22.40			24.0	0.0	
100	QPSK	1	271	22.40					
100	QPSK	135	0	21.50			23.0	1.0	
100	QPSK	135	69	22.37			24.0	0.0	
100	QPSK	135	138	21.43					
100	QPSK	270	0	21.51			23.0	1.0	
100	16QAM	1	1	21.34			23.0	1.0	
100	64QAM	1	1	19.77			21.5	2.5	
100	256QAM	1	1	17.77			19.5	4.5	
Channel				64968	65000	65034	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	22.34	22.41	22.24	24.0	0.0	
Channel				64934	65000	65068	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	22.26	22.45	22.20	24.0	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	22.27	22.41	22.20	24.0	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	22.24	22.41	22.27	24.0	0.0	
Channel				64834	65000	65168	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	22.26	22.44	22.23	24.0	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	22.27	22.44	22.18	24.0	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	22.28	22.46	22.24	24.0	0.0	
Channel				64734	65000	65268	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	22.24	22.45	22.25	24.0	0.0	

Part270 n78 PC2 Ant3 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				65000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	25.38					
100	PI/2 BPSK	1	137	25.35			27.0	0.0	
100	PI/2 BPSK	1	271	25.29					
100	PI/2 BPSK	135	0	24.93			26.5	0.5	
100	PI/2 BPSK	135	69	25.34			27.0	0.0	
100	PI/2 BPSK	135	138	25.03					
100	PI/2 BPSK	270	0	25.12			26.5	0.5	
100	QPSK	1	1	25.54					
100	QPSK	1	137	25.40			27.0	0.0	
100	QPSK	1	271	25.38					
100	QPSK	135	0	24.46			26.0	1.0	
100	QPSK	135	69	25.38			27.0	0.0	
100	QPSK	135	138	24.44					
100	QPSK	270	0	24.54			26.0	1.0	
100	16QAM	1	1	24.38			26.0	1.0	
100	64QAM	1	1	22.83			24.5	2.5	
100	256QAM	1	1	20.72			22.5	4.5	
Channel				64968	65000	65034	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	25.26	25.48	25.33	27.0	0.0	
Channel				64934	65000	65068	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	25.23	25.46	25.37	27.0	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	25.23	25.48	25.31	27.0	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	25.26	25.43	25.35	27.0	0.0	
Channel				64834	65000	65168	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	25.27	25.49	25.33	27.0	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	25.30	25.45	25.35	27.0	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	25.22	25.42	25.27	27.0	0.0	
Channel				64734	65000	65268	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	25.23	25.45	25.33	27.0	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				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.06	20.25	20.21			
100	PI/2 BPSK	1	137	20.10	20.15	20.04	21.0	0.0	
100	PI/2 BPSK	1	271	19.95	20.07	20.00			
100	PI/2 BPSK	135	0	19.73	19.73	19.80	20.5	0.5	
100	PI/2 BPSK	135	69	20.07	20.19	20.15	21.0	0.0	
100	PI/2 BPSK	135	138	19.88	19.83	19.71			
100	PI/2 BPSK	270	0	19.78	19.85	19.76	20.5	0.5	
100	QPSK	1	1	20.23	20.33	20.16			
100	QPSK	1	137	20.05	20.23	20.09	21.0	0.0	
100	QPSK	1	271	20.10	20.17	20.06			
100	QPSK	135	0	19.19	19.23	19.12	20.0	1.0	
100	QPSK	135	69	20.08	20.19	20.13	21.0	0.0	
100	QPSK	135	138	19.13	19.28	19.15			
100	QPSK	270	0	19.24	19.34	19.26	20.0	1.0	
100	16QAM	1	1	19.16	19.17	19.07	20.0	1.0	
100	64QAM	1	1	18.34	18.36	18.23	18.5	2.5	
100	256QAM	1	1	16.23	16.34	16.20	16.5	4.5	
Channel				648668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	20.13	20.19	20.05	21.0	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	20.15	20.24	20.10	21.0	0.0	
Channel				649200	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	20.17	20.27	20.01	21.0	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	20.17	20.22	20.10	21.0	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	20.08	20.25	20.03	21.0	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	20.18	20.25	20.02	21.0	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	20.12	20.21	20.08	21.0	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	20.14	20.25	20.01	21.0	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				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.82	20.87	20.88			
100	PI/2 BPSK	1	137	20.79	20.88	20.78	21.5	0.0	
100	PI/2 BPSK	1	271	20.70	20.80	20.77			
100	PI/2 BPSK	135	0	20.34	20.50	20.30	21.0	0.5	
100	PI/2 BPSK	135	69	20.76	20.92	20.81	21.5	0.0	
100	PI/2 BPSK	135	138	20.35	20.53	20.47			
100	PI/2 BPSK	270	0	20.45	20.61	20.42	21.0	0.5	
100	QPSK	1	1	20.93	20.98	20.84			
100	QPSK	1	137	20.75	20.93	20.84	21.5	0.0	
100	QPSK	1	271	20.76	20.88	20.78			
100	QPSK	135	0	19.95	19.99	19.80	20.5	1.0	
100	QPSK	135	69	20.77	20.93	20.85	21.5	0.0	
100	QPSK	135	138	19.85	19.98	19.88			
100	QPSK	270	0	19.95	20.02	19.96	20.5	1.0	
100	16QAM	1	1	19.82	19.82	19.79	20.5	1.0	
100	64QAM	1	1	18.23	18.31	18.20	19.0	2.5	
100	256QAM	1	1	16.17	16.21	16.11	17.0	4.5	
Channel				648668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	20.83	20.85	20.70	21.5	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	20.86	20.92	20.72	21.5	0.0	
Channel				649200	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	20.83	20.91	20.71	21.5	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	20.84	20.89	20.76	21.5	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	20.85	20.85	20.74	21.5	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	20.79	20.92	20.71	21.5	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	20.81	20.86	20.79	21.5	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	20.87	20.89	20.78	21.5	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				65000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	20.22			21.0	0.0	
100	PI/2 BPSK	1	137	20.18					
100	PI/2 BPSK	1	271	20.15					
100	PI/2 BPSK	135	0	19.82			20.5	0.5	
100	PI/2 BPSK	135	69	20.20			21.0	0.0	
100	PI/2 BPSK	135	138	19.83					
100	PI/2 BPSK	270	0	19.87			20.5	0.5	
100	QPSK	1	1	20.27					
100	QPSK	1	137	20.22			21.0	0.0	
100	QPSK	1	271	20.15					
100	QPSK	135	0	19.28			20.0	1.0	
100	QPSK	135	69	20.18			21.0	0.0	
100	QPSK	135	138	19.28					
100	QPSK	270	0	19.32			20.0	1.0	
100	16QAM	1	1	19.21			20.0	1.0	
100	64QAM	1	1	17.60			18.5	2.5	
100	256QAM	1	1	15.55			16.5	4.5	
Channel				64968	65000	65034	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	20.08	20.14	20.08	21.0	0.0	
Channel				64934	65000	65068	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	20.15	20.10	20.05	21.0	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	20.14	20.17	20.08	21.0	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	20.08	20.20	20.14	21.0	0.0	
Channel				64834	65000	65168	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	20.13	20.13	20.14	21.0	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	20.15	20.14	20.12	21.0	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	20.15	20.20	20.11	21.0	0.0	
Channel				64734	65000	65268	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	20.10	20.14	20.11	21.0	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				65000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	22.81	22.88	22.84			
100	PI/2 BPSK	1	137	22.74	22.88	22.77	24.0	0.0	
100	PI/2 BPSK	1	271	22.66	22.76	22.76			
100	PI/2 BPSK	135	0	22.34	22.46	22.33	23.5	0.5	
100	PI/2 BPSK	135	69	22.81	22.88	22.77	24.0	0.0	
100	PI/2 BPSK	135	138	22.37	22.47	22.40			
100	PI/2 BPSK	270	0	22.42	22.56	22.51	23.5	0.5	
100	QPSK	1	1	22.88	22.97	22.88			
100	QPSK	1	137	22.76	22.92	22.86	24.0	0.0	
100	QPSK	1	271	22.77	22.92	22.80			
100	QPSK	135	0	21.90	22.00	21.88	23.0	1.0	
100	QPSK	135	69	22.83	22.88	22.85	24.0	0.0	
100	QPSK	135	138	21.88	22.02	21.87			
100	QPSK	270	0	21.94	22.07	21.96	23.0	1.0	
100	16QAM	1	1	21.82	21.86	21.76	23.0	1.0	
100	64QAM	1	1	20.20	20.30	20.20	21.5	2.5	
100	256QAM	1	1	18.23	18.25	18.15	19.5	4.5	
Channel				64868	65000	65034	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	22.81	22.85	22.74	24.0	0.0	
Channel				64934	65000	65068	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	22.78	22.87	22.82	24.0	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	22.75	22.90	22.80	24.0	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	22.74	22.87	22.82	24.0	0.0	
Channel				64834	65000	65168	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	22.75	22.85	22.77	24.0	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	22.79	22.90	22.75	24.0	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	22.74	22.92	22.76	24.0	0.0	
Channel				64734	65000	65268	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	22.80	22.81	22.82	24.0	0.0	



Part270 n77 Ant7 Default

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel	65000	65000	662000					
Frequency (MHz)	3750	3840	3930					
100	PI/2 BPSK	1	1	19.93	20.10	20.10		
100	PI/2 BPSK	1	137	19.96	20.11	19.97	21.0	0.0
100	PI/2 BPSK	1	271	19.90	20.00	19.96		
100	PI/2 BPSK	135	0	19.92	19.66	19.90	20.5	0.5
100	PI/2 BPSK	135	69	19.95	20.12	19.97	21.0	0.0
100	PI/2 BPSK	135	138	19.82	19.66	19.81	20.5	0.5
100	PI/2 BPSK	270	0	19.59	19.77	19.72		
100	QPSK	1	1	20.16	20.19	20.11		
100	QPSK	1	137	20.03	20.16	20.04	21.0	0.0
100	QPSK	1	271	19.95	20.09	19.96		
100	QPSK	135	0	19.11	19.19	18.99	20.0	1.0
100	QPSK	135	69	19.99	20.12	20.07	21.0	0.0
100	QPSK	135	138	19.06	19.14	18.99	20.0	1.0
100	QPSK	270	0	19.12	19.26	19.15		
100	16QAM	1	1	18.98	19.02	18.96	20.0	1.0
100	64QAM	1	1	17.41	17.51	17.46	18.5	2.5
100	256QAM	1	1	15.36	15.40	15.35	16.5	4.5
Channel	649668	650000	662334	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3745.02	3840	3935.01					
90	QPSK	1	1	20.10	19.98	21.0	0.0	0.0
Channel	649334	650000	662668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3740.01	3840	3940.02					
80	QPSK	1	1	20.06	20.05	20.05	21.0	0.0
Channel	649000	650000	663000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3735	3840	3945					
70	QPSK	1	1	20.08	20.11	20.00	21.0	0.0
Channel	648668	650000	663334	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3730.02	3840	3950.01					
60	QPSK	1	1	20.04	20.11	20.01	21.0	0.0
Channel	648334	650000	663668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3725.01	3840	3955.02					
50	QPSK	1	1	20.09	20.06	19.99	21.0	0.0
Channel	648000	650000	664000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3720	3840	3950					
40	QPSK	1	1	20.02	20.14	19.98	21.0	0.0
Channel	647668	650000	664334	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3715.02	3840	3955.01					
30	QPSK	1	1	20.10	20.11	20.05	21.0	0.0
Channel	647334	650000	664668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3710.01	3840	3970.02					
20	QPSK	1	1	20.03	20.11	19.99	21.0	0.0

Part270 n77 PC2 Ant7 Default

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel	650000	650000	662000					
Frequency (MHz)	3750	3840	3930					
100	PI/2 BPSK	1	1	20.90	21.04	20.96		
100	PI/2 BPSK	1	137	20.92	21.03	20.91	22.0	0.0
100	PI/2 BPSK	1	271	20.89	21.01	20.89		
100	PI/2 BPSK	135	0	20.97	20.84	20.45	21.5	0.5
100	PI/2 BPSK	135	69	20.99	21.01	20.92	22.0	0.0
100	PI/2 BPSK	135	138	20.57	20.82	20.53	21.5	0.5
100	PI/2 BPSK	270	0	20.59	20.69	20.62		
100	QPSK	1	1	21.05	21.19	21.07		
100	QPSK	1	137	20.89	21.07	20.98	22.0	0.0
100	QPSK	1	271	20.92	21.04	20.90		
100	QPSK	135	0	20.08	20.13	20.01	21.0	1.0
100	QPSK	135	69	20.99	21.09	20.99	22.0	0.0
100	QPSK	135	138	19.98	20.15	19.99	21.0	1.0
100	QPSK	270	0	20.11	20.14	20.10		
100	16QAM	1	1	20.00	20.05	19.89	21.0	1.0
100	64QAM	1	1	18.29	18.40	18.34	19.5	2.5
100	256QAM	1	1	16.38	16.45	16.33	17.5	4.5
Channel	649668	650000	662334	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3745.02	3840	3935.01					
90	QPSK	1	1	20.99	21.12	21.01	22.0	0.0
Channel	649334	650000	662668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3740.01	3840	3940.02					
80	QPSK	1	1	20.91	21.05	21.02	22.0	0.0
Channel	649000	650000	663000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3735	3840	3945					
70	QPSK	1	1	20.95	21.13	20.99	22.0	0.0
Channel	648668	650000	663334	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3730.02	3840	3950.01					
60	QPSK	1	1	20.95	21.09	21.01	22.0	0.0
Channel	648334	650000	663668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3725.01	3840	3955.02					
50	QPSK	1	1	20.91	21.06	20.92	22.0	0.0
Channel	648000	650000	664000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3720	3840	3950					
40	QPSK	1	1	20.98	21.05	20.95	22.0	0.0
Channel	647668	650000	664334	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3715.02	3840	3955.01					
30	QPSK	1	1	20.95	21.05	21.02	22.0	0.0
Channel	647334	650000	664668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	3710.01	3840	3970.02					
20	QPSK	1	1	20.94	21.04	20.93	22.0	0.0



Part270 n78 Ant7 Default

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel	650000				
Frequency (MHz)	3750				
100	PI/2 BPSK	1	1	20.31	
100	PI/2 BPSK	1	137	20.27	
100	PI/2 BPSK	1	271	20.25	
100	PI/2 BPSK	135	0	19.92	20.5
100	PI/2 BPSK	135	69	20.31	21.0
100	PI/2 BPSK	135	138	19.95	
100	PI/2 BPSK	270	0	19.98	20.5
100	QPSK	1	1	20.38	
100	QPSK	1	137	20.34	
100	QPSK	1	271	20.30	
100	QPSK	135	0	19.37	20.0
100	QPSK	135	69	20.32	21.0
100	QPSK	135	138	19.35	
100	QPSK	270	0	19.37	20.0
100	16QAM	1	1	19.29	20.0
100	64QAM	1	1	17.71	18.5
100	256QAM	1	1	15.67	16.5
Channel	649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)	3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	20.21	20.31
Channel	649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)	3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	20.21	20.31
Channel	649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)	3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.23	20.30
Channel	648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)	3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	20.26	20.30
Channel	648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)	3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	20.17	20.24
Channel	648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)	3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.21	20.31
Channel	647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)	3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	20.17	20.29
Channel	647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)	3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	20.16	20.27

Part270 n78 PC2 Ant7 Default

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel	650000				
Frequency (MHz)	3750				
100	PI/2 BPSK	1	1	23.12	
100	PI/2 BPSK	1	137	23.00	
100	PI/2 BPSK	1	271	22.96	
100	PI/2 BPSK	135	0	22.60	24.0
100	PI/2 BPSK	135	69	22.99	23.5
100	PI/2 BPSK	135	138	22.68	
100	PI/2 BPSK	270	0	22.74	23.5
100	QPSK	1	1	23.16	
100	QPSK	1	137	23.11	
100	QPSK	1	271	23.02	
100	QPSK	135	0	22.09	23.0
100	QPSK	135	69	23.04	24.0
100	QPSK	135	138	22.10	
100	QPSK	270	0	22.18	23.0
100	16QAM	1	1	22.05	23.0
100	64QAM	1	1	20.42	21.5
100	256QAM	1	1	18.38	18.5
Channel	649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)	3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.99	23.09
Channel	649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)	3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.96	23.02
Channel	649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)	3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.96	23.10
Channel	648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)	3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	22.95	23.05
Channel	648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)	3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.95	23.01
Channel	648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)	3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.99	23.01
Channel	647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)	3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	22.94	23.02
Channel	647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)	3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.92	23.09



Part270 n77 Ant8 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	650000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.02	20.09	20.04	
100	PI/2 BPSK	1	137	20.01	20.06	19.97	
100	PI/2 BPSK	1	271	19.85	19.99	19.95	
100	PI/2 BPSK	135	0	19.57	19.72	19.54	20.5
100	PI/2 BPSK	135	69	19.95	20.10	20.01	21.0
100	PI/2 BPSK	135	138	19.59	19.65	19.59	
100	PI/2 BPSK	270	0	19.65	19.80	19.69	20.5
100	QPSK	1	1	20.08	20.18	20.03	
100	QPSK	1	137	19.96	20.15	20.06	
100	QPSK	1	271	20.01	20.11	20.00	
100	QPSK	135	0	19.13	19.19	19.08	20.0
100	QPSK	135	69	20.02	20.05	20.05	21.0
100	QPSK	135	138	19.03	19.14	19.05	
100	QPSK	270	0	19.11	19.26	19.14	20.0
100	16QAM	1	1	19.02	19.10	18.95	20.0
100	64QAM	1	1	17.44	17.43	17.42	18.5
100	256QAM	1	1	15.40	15.42	15.31	16.5
Channel				648668	650000	662334	Tune-up limit
Frequency (MHz)				3745.02	3840	3935.01	(dBm)
90	QPSK	1	1	19.93	20.11	19.99	21.0
Channel				649334	650000	662668	Tune-up limit
Frequency (MHz)				3740.01	3840	3940.02	(dB)
80	QPSK	1	1	19.99	20.12	19.98	21.0
Channel				649000	650000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dB)
70	QPSK	1	1	20.00	20.04	20.02	21.0
Channel				648668	650000	663334	Tune-up limit
Frequency (MHz)				3730.02	3840	3950.01	(dB)
60	QPSK	1	1	19.97	20.09	20.00	21.0
Channel				648334	650000	663668	Tune-up limit
Frequency (MHz)				3725.01	3840	3955.02	(dB)
50	QPSK	1	1	19.98	20.04	19.97	21.0
Channel				648000	650000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dB)
40	QPSK	1	1	19.98	20.10	19.96	21.0
Channel				647668	650000	664334	Tune-up limit
Frequency (MHz)				3715.02	3840	3965.01	(dB)
30	QPSK	1	1	20.01	20.05	19.96	21.0
Channel				647334	650000	664668	Tune-up limit
Frequency (MHz)				3710.01	3840	3970.02	(dB)
20	QPSK	1	1	20.02	20.05	20.01	21.0

Part270 n77 PC2 Ant8 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	650000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.61	20.74	20.69	
100	PI/2 BPSK	1	137	20.61	20.69	20.58	
100	PI/2 BPSK	1	271	20.49	20.61	20.49	
100	PI/2 BPSK	135	0	20.14	20.30	20.09	21.0
100	PI/2 BPSK	135	69	20.56	20.71	20.57	21.5
100	PI/2 BPSK	135	138	20.16	20.30	20.24	21.0
100	PI/2 BPSK	270	0	20.25	20.39	20.32	20.5
100	QPSK	1	1	20.74	20.83	20.70	
100	QPSK	1	137	20.57	20.77	20.67	
100	QPSK	1	271	20.58	20.68	20.52	
100	QPSK	135	0	19.73	19.72	19.65	20.5
100	QPSK	135	69	20.62	20.71	20.67	21.5
100	QPSK	135	138	19.65	19.78	19.63	20.5
100	QPSK	270	0	19.77	19.86	19.75	20.5
100	16QAM	1	1	19.57	19.64	19.59	20.5
100	64QAM	1	1	17.96	18.12	18.02	19.0
100	256QAM	1	1	15.93	16.04	15.90	17.0
Channel				648668	650000	662334	Tune-up limit
Frequency (MHz)				3745.02	3840	3935.01	(dB)
90	QPSK	1	1	20.61	20.77	20.60	21.5
Channel				649334	650000	662668	Tune-up limit
Frequency (MHz)				3740.01	3840	3940.02	(dB)
80	QPSK	1	1	20.68	20.74	20.61	21.5
Channel				649000	650000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dB)
70	QPSK	1	1	20.60	20.70	20.61	21.5
Channel				648668	650000	663334	Tune-up limit
Frequency (MHz)				3730.02	3840	3950.01	(dB)
60	QPSK	1	1	20.62	20.71	20.62	21.5
Channel				648334	650000	663668	Tune-up limit
Frequency (MHz)				3725.01	3840	3955.02	(dB)
50	QPSK	1	1	20.59	20.78	20.56	21.5
Channel				648000	650000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dB)
40	QPSK	1	1	20.61	20.76	20.62	21.5
Channel				647668	650000	664334	Tune-up limit
Frequency (MHz)				3715.02	3840	3965.01	(dB)
30	QPSK	1	1	20.64	20.73	20.59	21.5
Channel				647334	650000	664668	Tune-up limit
Frequency (MHz)				3710.01	3840	3970.02	(dB)
20	QPSK	1	1	20.59	20.76	20.55	21.5



Part270 n78 Ant8 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				65000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	20.28			
100	PI/2 BPSK	1	137	20.31		21.0	0.0
100	PI/2 BPSK	1	271	20.19			
100	PI/2 BPSK	135	0	19.87		20.5	0.5
100	PI/2 BPSK	135	69	20.24		21.0	0.0
100	PI/2 BPSK	135	138	19.89			
100	PI/2 BPSK	270	0	20.02		20.5	0.5
100	QPSK	1	1	20.38			
100	QPSK	1	137	20.35		21.0	0.0
100	QPSK	1	271	20.34			
100	QPSK	135	0	19.38		20.0	1.0
100	QPSK	135	69	20.29		21.0	0.0
100	QPSK	135	138	19.41			
100	QPSK	270	0	19.45		20.0	1.0
100	16QAM	1	1	19.30		20.0	1.0
100	64QAM	1	1	17.66		18.5	2.5
100	256QAM	1	1	15.61		16.5	4.5
Channel				64968	65000	65034	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	20.24	20.29	20.18	21.0
Channel				64934	65000	65068	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	20.26	20.27	20.14	21.0
Channel				64900	65000	65100	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	20.18	20.21	20.16	21.0
Channel				64868	65000	65134	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	20.17	20.27	20.17	21.0
Channel				64834	65000	65168	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	20.17	20.30	20.13	21.0
Channel				64800	65000	65200	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	20.19	20.22	20.19	21.0
Channel				64768	65000	65234	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	20.25	20.25	20.17	21.0
Channel				64734	65000	65268	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	20.24	20.26	20.18	21.0

Part270 n78 PC2 Ant8 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				65000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	21.05			
100	PI/2 BPSK	1	137	20.98		22.5	0.0
100	PI/2 BPSK	1	271	20.96			
100	PI/2 BPSK	135	0	20.61		22.0	0.5
100	PI/2 BPSK	135	69	21.07		22.5	0.0
100	PI/2 BPSK	135	138	20.88			
100	PI/2 BPSK	270	0	20.78		22.0	0.5
100	QPSK	1	1	21.13			
100	QPSK	1	137	21.03		22.5	0.0
100	QPSK	1	271	21.10			
100	QPSK	135	0	20.08		21.5	1.0
100	QPSK	135	69	21.01		22.5	0.0
100	QPSK	135	138	20.08			
100	QPSK	270	0	20.19		21.5	1.0
100	16QAM	1	1	20.02		21.5	1.0
100	64QAM	1	1	18.40		20.0	2.5
100	256QAM	1	1	16.37		18.0	4.5
Channel				64968	65000	65034	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	20.91	21.08	20.95	22.5
Channel				64934	65000	65068	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	20.95	21.04	20.84	22.5
Channel				64900	65000	65100	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	20.90	21.03	20.99	22.5
Channel				64868	65000	65134	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	20.94	21.04	20.99	22.5
Channel				64834	65000	65168	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	20.89	21.00	20.95	22.5
Channel				64800	65000	65200	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	20.97	20.99	20.91	22.5
Channel				64768	65000	65234	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	20.96	21.05	20.99	22.5
Channel				64734	65000	65268	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	20.92	21.04	20.96	22.5



Reduced Power Mode for DSI 2

n5 Ant0 DSI2								
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				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.09	23.12	23.07	24.0	0.0
20	QPSK	50	38	22.74	22.88	22.87	24.0	0.0
20	QPSK	100	0	21.84	21.91	21.85	23.0	1.0

n26 Ant0 DSI2								
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	QPSK	1	1	22.92	22.99	22.91	24.0	0.0
20	QPSK	50	38	22.77	22.89	22.88	24.0	0.0
20	QPSK	100	0	21.64	22.01	21.88	23.0	1.0

n7 Ant1 DS12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				50400	50700	51000		
Frequency (MHz)				2120	2155	2190		
40	QPSK	1	1	22.60	22.71	22.82	24.0	0.0
40	QPSK	108	54	22.43	22.50	22.45	24.0	0.0
40	QPSK	216	0	21.54	21.57	21.55	23.0	1.0



n38 Ant1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	516996		
Frequency (MHz)				2590.02	2590.00	2599.98		
40	QPSK	1	1	23.21	23.25	23.10	24.0	0.0
40	QPSK	50	28	22.92	23.08	22.97	24.0	0.0
40	QPSK	100	0	22.09	22.19	22.07	23.0	1.0

n41 Ant1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	516508	528000		
Frequency (MHz)				2543.01	2592.99	2640		
100	QPSK	1	1	22.87	23.03	22.88	24.0	0.0
100	QPSK	135	69	22.57	22.66	22.58	24.0	0.0
100	QPSK	270	0	21.71	21.80	21.71	23.0	1.0



n5 Ant4 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166000	167300	167600		
Frequency (MHz)				831	835.5	839		
20	QPSK	1	1	20.65	20.70	20.58	21.9	0.0
20	QPSK	50	28	20.34	20.58	20.41	21.9	0.0
20	QPSK	100	0	20.49	20.55	20.52	21.9	0.0

n26 Ant4 DSI2								
BW [MHz]	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	165300	167600		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	20.70	20.77	20.66	21.9	0.0
20	QPSK	50	28	20.40	20.72	20.60	21.9	0.0
20	QPSK	100	0	20.64	20.66	20.56	21.9	0.0



Part270 n77 PC2&PC3 Ant3 DSI2									
BW [MHz]	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	3840	3930			
100	PI/2 BPSK	1	1	18.85	18.94	18.92			
100	PI/2 BPSK	1	137	18.82	18.84	18.85	20.3	0.0	
100	PI/2 BPSK	1	271	18.89	18.75	18.89			
100	PI/2 BPSK	135	0	18.71	18.89	18.77	20.3	0.0	
100	PI/2 BPSK	135	69	18.82	18.89	18.81	20.3	0.0	
100	PI/2 BPSK	135	138	18.50	18.76	18.70			
100	PI/2 BPSK	270	0	18.73	18.89	18.79	20.3	0.0	
100	QPSK	1	1	19.23	19.34	19.19			
100	QPSK	1	137	18.80	18.94	18.82	20.3	0.0	
100	QPSK	1	271	18.75	18.92	18.77			
100	QPSK	135	0	18.89	18.85	18.71	20.3	0.0	
100	QPSK	135	69	18.79	19.01	18.91	20.3	0.0	
100	QPSK	135	138	18.92	18.97	18.84			
100	QPSK	270	0	18.64	18.82	18.80	20.3	0.0	
100	16QAM	1	1	18.69	18.92	18.66	20.3	0.0	
100	16QAM	1	1	18.63	18.77	18.74	20.3	0.0	
100	256QAM	1	1	18.71	18.75	18.86	20.3	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	18.87	18.87	18.87	20.3	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	18.92	18.85	18.87	20.3	0.0	
Channel				649000	650000	650300	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	18.93	18.82	18.83	20.3	0.0	
Channel				648668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	18.91	18.85	18.81	20.3	0.0	
Channel				648334	650000	650368	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	18.83	18.85	18.85	20.3	0.0	
Channel				648000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	18.93	18.92	18.80	20.3	0.0	
Channel				647668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	18.88	18.90	18.85	20.3	0.0	
Channel				647334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	18.90	18.90	18.82	20.3	0.0	

Part270 n78 PC2&PC3 Ant3 DSI2									
BW [MHz]	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	18.95		18.95			
100	PI/2 BPSK	1	137			18.86	20.3	0.0	
100	PI/2 BPSK	1	271			18.70			
100	PI/2 BPSK	135	0			18.87	20.3	0.0	
100	PI/2 BPSK	135	69			18.85	20.3	0.0	
100	PI/2 BPSK	135	138			18.74			
100	PI/2 BPSK	270	0			18.84	20.3	0.0	
100	QPSK	1	1			19.47			
100	QPSK	1	137			18.93	20.3	0.0	
100	QPSK	1	271			18.92			
100	QPSK	135	0			18.89	20.3	0.0	
100	QPSK	135	69			19.00	20.3	0.0	
100	QPSK	135	138			18.93			
100	QPSK	270	0			18.77	20.3	0.0	
100	16QAM	1	1			18.91	20.3	0.0	
100	16QAM	1	1			18.80	20.3	0.0	
100	256QAM	1	1			18.75	20.3	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	18.89	18.89	18.86	20.3	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	18.90	18.83	18.80	20.3	0.0	
Channel				649000	650000	650300	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	18.92	18.82	18.91	20.3	0.0	
Channel				648668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	18.91	18.84	18.82	20.3	0.0	
Channel				648334	650000	650368	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	18.83	18.83	18.84	20.3	0.0	
Channel				648000	650000	650200	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	18.86	18.82	18.91	20.3	0.0	
Channel				647668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	18.85	18.92	18.85	20.3	0.0	
Channel				647334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	18.91	18.88	18.82	20.3	0.0	



Part270 n77 PC2&PC3 Ant5 DSI2									
BW [MHz]	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	3840	3930			
100	PI/2 BPSK	1	1	20.06	20.25	20.21			
100	PI/2 BPSK	1	137	20.10	20.15	20.04	21.0	0.0	
100	PI/2 BPSK	1	271	19.95	20.07	20.00			
100	PI/2 BPSK	135	0	19.73	19.73	19.80	21.0	0.0	
100	PI/2 BPSK	135	69	20.07	20.19	20.15	21.0	0.0	
100	PI/2 BPSK	135	138	19.88	19.83	19.71			
100	PI/2 BPSK	270	0	19.78	19.85	19.76	21.0	0.0	
100	QPSK	1	1	20.23	20.33	20.16			
100	QPSK	1	137	20.05	20.23	20.09	21.0	0.0	
100	QPSK	1	271	20.10	20.17	20.06			
100	QPSK	135	0	19.19	19.23	19.12	21.0	0.0	
100	QPSK	135	69	20.08	20.19	20.13	21.0	0.0	
100	QPSK	135	138	19.13	19.28	19.15			
100	QPSK	270	0	19.24	19.34	19.26	21.0	0.0	
100	16QAM	1	1	19.16	19.17	19.07	21.0	0.0	
100	64QAM	1	1	18.46	18.59	18.49	19.0	2.0	
100	256QAM	1	1	16.55	16.61	16.46	17.0	4.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	20.13	20.19	20.05	21.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	20.15	20.24	20.10	21.0	0.0	
Channel				649000	650000	650300	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	20.17	20.27	20.01	21.0	0.0	
Channel				648668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	20.17	20.22	20.10	21.0	0.0	
Channel				648334	650000	650368	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	20.08	20.25	20.03	21.0	0.0	
Channel				648000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	20.18	20.25	20.02	21.0	0.0	
Channel				647668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	20.12	20.21	20.08	21.0	0.0	
Channel				647334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	20.14	20.25	20.01	21.0	0.0	

Part270 n78 PC2&PC3 Ant5 DSI2									
BW [MHz]	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	3840	3930			
100	PI/2 BPSK	1	1	17.46					
100	PI/2 BPSK	1	137	17.40			18.6	0.0	
100	PI/2 BPSK	1	271	17.28					
100	PI/2 BPSK	135	0	17.31			18.6	0.0	
100	PI/2 BPSK	135	69	17.45			18.6	0.0	
100	PI/2 BPSK	135	138	17.20					
100	PI/2 BPSK	270	0	17.37			18.6	0.0	
100	QPSK	1	1	17.52					
100	QPSK	1	137	17.38			18.6	0.0	
100	QPSK	1	271	17.48					
100	QPSK	135	0	17.38			18.6	0.0	
100	QPSK	135	69	17.48			18.6	0.0	
100	QPSK	135	138	17.41					
100	QPSK	270	0	17.28			18.6	0.0	
100	16QAM	1	1	17.39			18.6	0.0	
100	64QAM	1	1	17.28			18.6	0.0	
100	256QAM	1	1	17.30			18.6	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	17.35	17.47	17.29	18.6	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	17.38	17.38	17.33	18.6	0.0	
Channel				649000	650000	650300	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	17.44	17.39	17.37	18.6	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	17.42	17.43	17.29	18.6	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	17.38	17.41	17.33	18.6	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	17.44	17.43	17.35	18.6	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	17.37	17.45	17.28	18.6	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	17.41	17.41	17.36	18.6	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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.93	20.10	20.10	21.0	0.0
100	PI/2 BPSK	1	137	19.96	20.11	19.97		
100	PI/2 BPSK	1	271	19.90	20.00	19.96		
100	PI/2 BPSK	135	0	19.62	19.66	19.50	20.5	0.5
100	PI/2 BPSK	135	69	19.95	20.12	19.97	21.0	0.0
100	PI/2 BPSK	135	138	19.82	19.66	19.61		
100	PI/2 BPSK	270	0	19.59	19.77	19.72	20.5	0.5
100	QPSK	1	1	20.16	20.19	20.11		
100	QPSK	1	137	20.03	20.16	20.04	21.0	0.0
100	QPSK	1	271	19.95	20.09	19.96		
100	QPSK	135	0	19.11	19.19	18.99	20.0	1.0
100	QPSK	135	69	19.99	20.12	20.07	21.0	0.0
100	QPSK	135	138	19.06	19.14	18.99		
100	QPSK	270	0	19.12	19.26	19.15	20.0	1.0
100	16QAM	1	1	18.98	19.02	18.96	20.0	1.0
100	64QAM	1	1	17.41	17.51	17.46	18.5	2.5
100	256QAM	1	1	15.36	15.40	15.35	16.5	4.5
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.10	20.10	19.98	21.0	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.06	20.05	20.05	21.0	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.08	20.11	20.00	21.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.04	20.11	20.01	21.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.09	20.06	19.99	21.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.02	20.14	19.98	21.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.10	20.11	20.05	21.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.03	20.11	19.99	21.0	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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.90	21.04	20.96		
100	PI/2 BPSK	1	137	20.92	21.03	20.91	22.0	0.0
100	PI/2 BPSK	1	271	20.80	21.01	20.89		
100	PI/2 BPSK	135	0	20.57	20.64	20.45	21.5	0.5
100	PI/2 BPSK	135	69	20.99	21.01	20.92	22.0	0.0
100	PI/2 BPSK	135	138	20.57	20.62	20.53		
100	PI/2 BPSK	270	0	20.59	20.69	20.62	21.5	0.5
100	QPSK	1	1	21.05	21.19	21.07		
100	QPSK	1	137	20.89	21.07	20.96	22.0	0.0
100	QPSK	1	271	20.92	21.04	20.90		
100	QPSK	135	0	20.08	20.13	20.01	21.0	1.0
100	QPSK	135	69	20.99	21.09	20.99	22.0	0.0
100	QPSK	135	138	19.98	20.15	19.99		
100	QPSK	270	0	20.11	20.14	20.10	21.0	1.0
100	16QAM	1	1	20.00	20.05	19.89	21.0	1.0
100	64QAM	1	1	18.29	18.40	18.34	19.5	2.5
100	256QAM	1	1	16.36	16.45	16.33	17.5	4.5
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.99	21.12	21.01	22.0	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.91	21.05	21.02	22.0	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.95	21.13	20.99	22.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.95	21.09	21.01	22.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.91	21.06	20.92	22.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.98	21.05	20.95	22.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.95	21.05	21.02	22.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.94	21.04	20.93	22.0	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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	20.31			21.0	0.0
100	PI/2 BPSK	1	137	20.27				
100	PI/2 BPSK	1	271	20.25				
100	PI/2 BPSK	135	0	19.92			20.5	0.5
100	PI/2 BPSK	135	69	20.31			21.0	0.0
100	PI/2 BPSK	135	138	19.95				
100	PI/2 BPSK	270	0	19.98			20.5	0.5
100	QPSK	1	1	20.38				
100	QPSK	1	137	20.34			21.0	0.0
100	QPSK	1	271	20.30				
100	QPSK	135	0	19.37			20.0	1.0
100	QPSK	135	69	20.32			21.0	0.0
100	QPSK	135	138	19.35				
100	QPSK	270	0	19.37			20.0	1.0
100	16QAM	1	1	19.29			20.0	1.0
100	64QAM	1	1	17.71			18.5	2.5
100	256QAM	1	1	15.67			16.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	20.21	20.31	20.16	21.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	20.21	20.31	20.18	21.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.23	20.30	20.12	21.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	20.26	20.30	20.16	21.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	20.17	20.24	20.14	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.21	20.31	20.11	21.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	20.17	20.29	20.12	21.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	20.16	20.27	20.17	21.0	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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	23.12			24.0	0.0
100	PI/2 BPSK	1	137	23.00				
100	PI/2 BPSK	1	271	22.98				
100	PI/2 BPSK	135	0	22.60			23.5	0.5
100	PI/2 BPSK	135	69	22.99			24.0	0.0
100	PI/2 BPSK	135	138	22.88			23.5	0.5
100	PI/2 BPSK	270	0	22.74				
100	QPSK	1	1	23.16				
100	QPSK	1	137	23.11			24.0	0.0
100	QPSK	1	271	23.02				
100	QPSK	135	0	22.09			23.0	1.0
100	QPSK	135	69	23.04			24.0	0.0
100	QPSK	135	138	22.10			23.0	1.0
100	QPSK	270	0	22.18				
100	16QAM	1	1	22.05			23.0	1.0
100	64QAM	1	1	20.42			21.5	2.5
100	256QAM	1	1	18.38			19.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.99	23.09	22.99	24.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.96	23.02	23.01	24.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.96	23.10	22.95	24.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	22.98	23.05	22.98	24.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.95	23.01	22.95	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.99	23.01	23.00	24.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	22.94	23.02	23.00	24.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.92	23.09	22.92	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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.02	20.09	20.04	21.0	0.0
100	PI/2 BPSK	1	137	20.01	20.06	19.97		
100	PI/2 BPSK	1	271	19.85	19.99	19.95		
100	PI/2 BPSK	135	0	19.57	19.72	19.54	20.5	0.5
100	PI/2 BPSK	135	69	19.95	20.10	20.01	21.0	0.0
100	PI/2 BPSK	135	138	19.59	19.65	19.59	20.5	0.5
100	PI/2 BPSK	270	0	19.65	19.80	19.69		
100	QPSK	1	1	20.08	20.18	20.03		
100	QPSK	1	137	19.96	20.15	20.06	21.0	0.0
100	QPSK	1	271	20.01	20.11	20.00	20.0	1.0
100	QPSK	135	0	19.13	19.19	19.08		
100	QPSK	135	69	20.02	20.05	20.05		
100	QPSK	135	138	19.03	19.14	19.05	20.0	1.0
100	QPSK	270	0	19.11	19.26	19.14		
100	16QAM	1	1	19.02	19.10	18.95		
100	64QAM	1	1	17.44	17.43	17.42	18.5	2.5
100	256QAM	1	1	15.40	15.42	15.31	16.5	4.5
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	19.93	20.11	19.99	21.0	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	19.99	20.12	19.98	21.0	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.00	20.04	20.02	21.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	19.97	20.09	20.00	21.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	19.98	20.04	19.97	21.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	19.98	20.10	19.96	21.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.01	20.05	19.96	21.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.02	20.05	20.01	21.0	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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.61	20.74	20.69	21.5	0.0
100	PI/2 BPSK	1	137	20.61	20.69	20.58		
100	PI/2 BPSK	1	271	20.49	20.61	20.49		
100	PI/2 BPSK	135	0	20.14	20.30	20.09	21.0	0.5
100	PI/2 BPSK	135	69	20.56	20.71	20.57	21.5	0.0
100	PI/2 BPSK	135	138	20.16	20.30	20.24	21.0	0.5
100	PI/2 BPSK	270	0	20.25	20.39	20.32		
100	QPSK	1	1	20.74	20.83	20.70		
100	QPSK	1	137	20.57	20.77	20.67	21.5	0.0
100	QPSK	1	271	20.58	20.68	20.52	20.5	1.0
100	QPSK	135	0	19.73	19.72	19.65		
100	QPSK	135	69	20.62	20.71	20.67		
100	QPSK	135	138	19.65	19.78	19.63	20.5	1.0
100	QPSK	270	0	19.77	19.86	19.75		
100	16QAM	1	1	19.57	19.64	19.59		
100	64QAM	1	1	17.96	18.12	18.02	19.0	2.5
100	256QAM	1	1	15.98	16.04	15.90	17.0	4.5
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.61	20.77	20.60	21.5	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.68	20.74	20.61	21.5	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.60	20.70	20.61	21.5	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.62	20.71	20.62	21.5	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.59	20.78	20.56	21.5	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.61	20.76	20.62	21.5	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.64	20.73	20.59	21.5	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.59	20.76	20.55	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				65000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	20.28			21.0	0.0
100	PI/2 BPSK	1	137	20.31				
100	PI/2 BPSK	1	271	20.19				
100	PI/2 BPSK	135	0	19.87			20.5	0.5
100	PI/2 BPSK	135	69	20.24			21.0	0.0
100	PI/2 BPSK	135	138	19.89				
100	PI/2 BPSK	270	0	20.02			20.5	0.5
100	QPSK	1	1	20.38				
100	QPSK	1	137	20.35			21.0	0.0
100	QPSK	1	271	20.34				
100	QPSK	135	0	19.38			20.0	1.0
100	QPSK	135	69	20.29			21.0	0.0
100	QPSK	135	138	19.41				
100	QPSK	270	0	19.45			20.0	1.0
100	16QAM	1	1	19.30			20.0	1.0
100	64QAM	1	1	17.66			18.5	2.5
100	256QAM	1	1	15.61			16.5	4.5
Channel				64968	65000	65034	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	20.24	20.29	20.18	21.0	0.0
Channel				64934	65000	65068	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	20.26	20.27	20.14	21.0	0.0
Channel				64900	65000	65100	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.18	20.21	20.16	21.0	0.0
Channel				64868	65000	65134	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	20.17	20.27	20.17	21.0	0.0
Channel				64834	65000	65168	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	20.17	20.30	20.13	21.0	0.0
Channel				64800	65000	65200	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.19	20.22	20.19	21.0	0.0
Channel				64768	65000	65234	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	20.25	20.25	20.17	21.0	0.0
Channel				64734	65000	65268	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	20.24	20.26	20.18	21.0	0.0

Part270 n78 PC2 Ant8 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	21.05				
100	PI/2 BPSK	1	137	20.98			22.5	0.0
100	PI/2 BPSK	1	271	20.96				
100	PI/2 BPSK	135	0	20.61			22.0	0.5
100	PI/2 BPSK	135	69	21.07			22.5	0.0
100	PI/2 BPSK	135	138	20.88			22.0	0.5
100	PI/2 BPSK	270	0	20.78				
100	QPSK	1	1	21.13				
100	QPSK	1	137	21.03			22.5	0.0
100	QPSK	1	271	21.10				
100	QPSK	135	0	20.08			21.5	1.0
100	QPSK	135	69	21.01			22.5	0.0
100	QPSK	135	138	20.08				
100	QPSK	270	0	20.19			21.5	1.0
100	16QAM	1	1	20.02			21.5	1.0
100	64QAM	1	1	18.40			20.0	2.5
100	256QAM	1	1	16.37			18.0	4.5
Channel				64988	65000	65034	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	20.91	21.08	20.95	22.5	0.0
Channel				64934	65000	65068	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	20.95	21.04	20.84	22.5	0.0
Channel				64900	65000	65100	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.90	21.03	20.99	22.5	0.0
Channel				64868	65000	65134	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	20.94	21.04	20.99	22.5	0.0
Channel				64834	65000	65168	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	20.89	21.00	20.95	22.5	0.0
Channel				64800	65000	65200	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.97	20.99	20.91	22.5	0.0
Channel				64768	65000	65234	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	20.96	21.05	20.99	22.5	0.0
Channel				64734	65000	65268	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	20.92	21.04	20.96	22.5	0.0



Reduced Power Mode for DSI3

n5 Ant0 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166900	167300	167600		
Frequency (MHz)				934	938.5	943		
20	QPSK	1	1	23.09	23.12	23.07	24.0	0.0
20	QPSK	50	28	22.74	22.89	22.87	24.0	0.0
20	QPSK	100	0	21.84	21.91	21.85	23.0	1.0

n26 Ant0 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164600	165300	167600		
Frequency (MHz)				924	931.5	939		
20	QPSK	1	1	22.92	22.99	22.91	24.0	0.0
20	QPSK	50	28	22.77	22.89	22.88	24.0	0.0
20	QPSK	100	0	21.84	22.01	21.88	23.0	1.0

n7 Ant1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				50400	50700	51000		
Frequency (MHz)				20.70	20.77	20.80	22.0	0.0
40	QPSK	1	1	20.70	20.77	20.80	22.0	0.0
40	QPSK	108	54	20.66	20.75	20.63	22.0	0.0
40	QPSK	216	0	20.37	20.54	20.27	22.0	0.0



n38 Ant1 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	516996		
Frequency (MHz)				2090.02	2090.00	2099.98		
40	QPSK	1	1	21.27	21.45	21.36	22.4	0.0
40	QPSK	50	28	21.31	21.38	21.12	22.4	0.0
40	QPSK	100	0	21.03	21.14	20.97	22.4	0.0

n41 Ant1 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	516508	526800		
Frequency (MHz)				2043.01	2092.98	2143		
100	QPSK	1	1	21.38	21.43	21.20	22.4	0.0
100	QPSK	135	69	21.23	21.40	21.19	22.4	0.0
100	QPSK	270	0	21.02	21.04	20.93	22.4	0.0



n5 Ant4 DSI3								
Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	22.9	0.0
Frequency (MHz)				834	838.5	839		
20	QPSK	1	1	21.50	21.61	21.49		
20	QPSK	50	28	21.51	21.52	21.46	22.9	0.0
20	QPSK	100	0	21.35	21.41	21.24	22.9	0.0

n26 Ant4 DSI3								
Band	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	22.9	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	21.61	21.77	21.65		
20	QPSK	50	28	21.57	21.59	21.56	22.9	0.0
20	QPSK	100	0	21.44	21.46	21.28	22.9	0.0



Part270 n77 PC2&PC3 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	18.68	18.89	18.84			
100	Pi/2 BPSK	1	137	18.78	18.80	18.67	19.8	0.0	
100	Pi/2 BPSK	1	271	18.82	18.69	18.84			
100	Pi/2 BPSK	135	0	18.48	18.63	18.60	19.8	0.0	
100	Pi/2 BPSK	135	69	18.68	18.76	18.77	19.8	0.0	
100	Pi/2 BPSK	135	138	18.60	18.71	18.67	19.8	0.0	
100	Pi/2 BPSK	270	0	18.35	18.53	18.35			
100	QPSK	1	1	18.89	18.92	18.76			
100	QPSK	1	137	18.76	18.87	18.76	19.8	0.0	
100	QPSK	1	271	18.74	18.85	18.67			
100	QPSK	135	0	18.67	18.67	18.66	19.8	0.0	
100	QPSK	135	69	18.59	18.80	18.75	19.8	0.0	
100	QPSK	135	138	18.69	18.70	18.76	19.8	0.0	
100	QPSK	270	0	18.53	18.60	18.52			
100	16QAM	1	1	18.34	18.48	18.43	19.8	0.0	
100	64QAM	1	1	18.32	18.46	18.36	19.8	0.0	
100	256QAM	1	1	17.84	17.80	17.72	19.5	0.3	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	18.79	18.77	18.84	19.8	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	18.61	18.63	18.61	19.8	0.0	
Channel				649000	650000	650300	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	18.82	18.88	18.65	19.8	0.0	
Channel				648668	650000	653334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	18.77	18.86	18.61	19.8	0.0	
Channel				648334	650000	653968	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	18.74	18.79	18.62	19.8	0.0	
Channel				648000	650000	654000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	18.80	18.78	18.67	19.8	0.0	
Channel				647668	650000	654334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	18.82	18.77	18.67	19.8	0.0	
Channel				647334	650000	654668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	18.82	18.77	18.72	19.8	0.0	

Part270 n78 PC2&PC3 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	18.74		18.74			
100	Pi/2 BPSK	1	137			18.69	19.8	0.0	
100	Pi/2 BPSK	1	271			18.60			
100	Pi/2 BPSK	135	0			18.51	19.8	0.0	
100	Pi/2 BPSK	135	69			18.67	19.8	0.0	
100	Pi/2 BPSK	135	138			18.59	19.8	0.0	
100	Pi/2 BPSK	270	0			18.41			
100	QPSK	1	1			18.82			
100	QPSK	1	137			18.79	19.8	0.0	
100	QPSK	1	271			18.77			
100	QPSK	135	0			18.73	19.8	0.0	
100	QPSK	135	69			18.72	19.8	0.0	
100	QPSK	135	138			18.60	19.8	0.0	
100	QPSK	270	0			18.62			
100	16QAM	1	1			18.26	19.8	0.0	
100	64QAM	1	1			18.26	19.8	0.0	
100	256QAM	1	1			17.66	19.5	0.3	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3955.01	(dBm)	(dB)	
90	QPSK	1	1	18.67	18.70	18.52	19.8	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3960.02	(dBm)	(dB)	
80	QPSK	1	1	18.69	18.65	18.49	19.8	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3965	(dBm)	(dB)	
70	QPSK	1	1	18.69	18.71	18.53	19.8	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3970.01	(dBm)	(dB)	
60	QPSK	1	1	18.63	18.64	18.49	19.8	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3975.02	(dBm)	(dB)	
50	QPSK	1	1	18.73	18.71	18.59	19.8	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3980	(dBm)	(dB)	
40	QPSK	1	1	18.66	18.63	18.59	19.8	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3985.01	(dBm)	(dB)	
30	QPSK	1	1	18.69	18.66	18.53	19.8	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3990.02	(dBm)	(dB)	
20	QPSK	1	1	18.65	18.65	18.54	19.8	0.0	



Part270 n77 Ant5 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. / 650000	Middle Ch. / Freq. / 650000	High Ch. / Freq. / 650000		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.06	20.25	20.21	21.0	0.0
100	PI2 BPSK	1	137	20.10	20.15	20.04		
100	PI2 BPSK	1	271	19.95	20.07	20.00		
100	PI2 BPSK	135	0	19.73	19.73	19.60	20.5	0.5
100	PI2 BPSK	135	69	20.07	20.16	20.16	21.0	0.0
100	PI2 BPSK	135	138	19.85	19.83	19.71	20.5	0.5
100	PI2 BPSK	270	0	19.78	19.85	19.76	21.0	0.0
100	QPSK	1	1	20.23	20.33	20.16		
100	QPSK	1	137	20.06	20.23	20.09		
100	QPSK	1	271	20.10	20.17	20.05	20.0	1.0
100	QPSK	135	0	19.19	19.23	19.12		
100	QPSK	135	69	20.08	20.19	20.13		
100	QPSK	135	138	19.13	19.26	19.15	20.0	1.0
100	QPSK	270	0	19.24	19.34	19.25	20.0	1.0
100	16QAM	1	1	19.16	19.17	19.07		
100	16QAM	1	1	17.46	17.59	17.49		
100	256QAM	1	1	18.56	18.61	18.43	18.0	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.13	20.19	20.06	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.15	20.24	20.10	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.11	20.21	20.01	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.17	20.22	20.10	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.08	20.25	20.03	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.18	20.25	20.02	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.12	20.21	20.05	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.14	20.25	20.01	21.0	0.0

Part270 n77 PC2 Ant5 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. / 650000	Middle Ch. / Freq. / 650000	High Ch. / Freq. / 650000		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.82	20.87	20.88	21.5	0.0
100	PI2 BPSK	1	137	20.79	20.86	20.78		
100	PI2 BPSK	1	271	20.70	20.80	20.77		
100	PI2 BPSK	135	0	20.34	20.50	20.30	21.0	0.5
100	PI2 BPSK	135	69	20.76	20.92	20.81	21.5	0.0
100	PI2 BPSK	135	138	20.35	20.53	20.47	21.0	0.5
100	PI2 BPSK	270	0	20.45	20.61	20.42	21.5	0.0
100	QPSK	1	1	20.93	20.98	20.84		
100	QPSK	1	137	20.76	20.95	20.84		
100	QPSK	1	271	20.76	20.88	20.78	20.5	1.0
100	QPSK	135	0	19.95	19.99	19.80		
100	QPSK	135	69	20.77	20.93	20.85		
100	QPSK	135	138	19.85	19.98	19.88	20.5	1.0
100	QPSK	270	0	19.95	20.07	19.90	20.5	1.0
100	16QAM	1	1	19.82	19.82	19.79		
100	16QAM	1	1	18.23	18.31	18.20		
100	256QAM	1	1	18.17	18.21	18.11	17.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.83	20.85	20.70	21.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.86	20.92	20.72	21.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.83	20.91	20.71	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.84	20.89	20.76	21.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.85	20.85	20.74	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.79	20.92	20.71	21.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.81	20.89	20.70	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.87	20.89	20.78	21.5	0.0

Part270 n78 PC2&PC3 Ant5 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. / 650000	Middle Ch. / Freq. / 650000	High Ch. / Freq. / 650000		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.27	18.41	18.37	19.6	0.0
100	PI2 BPSK	1	137	18.26	18.43	18.33		
100	PI2 BPSK	1	271	18.24	18.34	18.25		
100	PI2 BPSK	135	0	18.11	18.31	18.12	19.6	0.0
100	PI2 BPSK	135	69	18.29	18.33	18.29	19.6	0.0
100	PI2 BPSK	135	138	18.22	18.37	18.29	19.6	0.0
100	PI2 BPSK	270	0	17.93	18.12	18.01		
100	QPSK	1	1	18.39	18.51	18.34		
100	QPSK	1	137	18.24	18.45	18.32	19.6	0.0
100	QPSK	1	271	18.24	18.44	18.28		
100	QPSK	135	0	18.28	18.31	18.20		
100	QPSK	135	69	18.30	18.43	18.41	19.6	0.0
100	QPSK	135	138	18.32	18.28	18.22	19.6	0.0
100	QPSK	270	0	18.07	18.14	18.02		
100	16QAM	1	1	18.02	18.13	17.92		
100	16QAM	1	1	17.93	18.07	18.00	19.6	0.0
100	256QAM	1	1	18.22	18.25	18.10	18.5	DL
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.35	18.43	18.20	19.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.30	18.39	18.28	19.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.34	18.37	18.27	19.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.26	18.46	18.29	19.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.30	18.38	18.26	19.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.34	18.40	18.25	19.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.32	18.42	18.22	19.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.33	18.37	18.28	19.6	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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.93	20.10	20.10	21.0	0.0
100	PI/2 BPSK	1	137	19.96	20.11	19.97		
100	PI/2 BPSK	1	271	19.90	20.00	19.96		
100	PI/2 BPSK	135	0	19.62	19.66	19.50	20.5	0.5
100	PI/2 BPSK	135	69	19.95	20.12	19.97	21.0	0.0
100	PI/2 BPSK	135	138	19.62	19.66	19.61		
100	PI/2 BPSK	270	0	19.59	19.77	19.72	20.5	0.5
100	QPSK	1	1	20.16	20.19	20.11		
100	QPSK	1	137	20.03	20.16	20.04	21.0	0.0
100	QPSK	1	271	19.95	20.09	19.96		
100	QPSK	135	0	19.11	19.19	18.99	20.0	1.0
100	QPSK	135	69	19.99	20.12	20.07	21.0	0.0
100	QPSK	135	138	19.06	19.14	18.99		
100	QPSK	270	0	19.12	19.26	19.15	20.0	1.0
100	16QAM	1	1	18.98	19.02	18.96	20.0	1.0
100	64QAM	1	1	17.41	17.51	17.46	18.5	2.5
100	256QAM	1	1	15.36	15.40	15.35	16.5	4.5
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.10	20.10	19.98	21.0	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.06	20.05	20.05	21.0	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.08	20.11	20.00	21.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.04	20.11	20.01	21.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.09	20.06	19.99	21.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.02	20.14	19.98	21.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.10	20.11	20.05	21.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.03	20.11	19.99	21.0	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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.90	21.04	20.96		
100	PI/2 BPSK	1	137	20.92	21.03	20.91	22.0	0.0
100	PI/2 BPSK	1	271	20.80	21.01	20.89		
100	PI/2 BPSK	135	0	20.57	20.64	20.45	21.5	0.5
100	PI/2 BPSK	135	69	20.99	21.01	20.92	22.0	0.0
100	PI/2 BPSK	135	138	20.57	20.62	20.53		
100	PI/2 BPSK	270	0	20.59	20.69	20.62	21.5	0.5
100	QPSK	1	1	21.05	21.19	21.07		
100	QPSK	1	137	20.89	21.07	20.96	22.0	0.0
100	QPSK	1	271	20.92	21.04	20.90		
100	QPSK	135	0	20.08	20.13	20.01	21.0	1.0
100	QPSK	135	69	20.99	21.09	20.99	22.0	0.0
100	QPSK	135	138	19.98	20.15	19.99		
100	QPSK	270	0	20.11	20.14	20.10	21.0	1.0
100	16QAM	1	1	20.00	20.05	19.89	21.0	1.0
100	64QAM	1	1	18.29	18.40	18.34	19.5	2.5
100	256QAM	1	1	16.36	16.45	16.33	17.5	4.5
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.99	21.12	21.01	22.0	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.91	21.05	21.02	22.0	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.95	21.13	20.99	22.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.95	21.09	21.01	22.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.91	21.06	20.92	22.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.98	21.05	20.95	22.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.95	21.05	21.02	22.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.94	21.04	20.93	22.0	0.0



Part270 n78 Ant7 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	20.31			21.0	0.0
100	PI/2 BPSK	1	137	20.27				
100	PI/2 BPSK	1	271	20.25				
100	PI/2 BPSK	135	0	19.92			20.5	0.5
100	PI/2 BPSK	135	69	20.31			21.0	0.0
100	PI/2 BPSK	135	138	19.95				
100	PI/2 BPSK	270	0	19.98			20.5	0.5
100	QPSK	1	1	20.38				
100	QPSK	1	137	20.34			21.0	0.0
100	QPSK	1	271	20.30				
100	QPSK	135	0	19.37			20.0	1.0
100	QPSK	135	69	20.32			21.0	0.0
100	QPSK	135	138	19.35				
100	QPSK	270	0	19.37			20.0	1.0
100	16QAM	1	1	19.29			20.0	1.0
100	64QAM	1	1	17.71			18.5	2.5
100	256QAM	1	1	15.67			16.5	4.5
Channel				64968	65000	65034	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	20.21	20.31	20.16	21.0	0.0
Channel				64934	65000	65068	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	20.21	20.31	20.18	21.0	0.0
Channel				64900	65000	65100	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.23	20.30	20.12	21.0	0.0
Channel				64868	65000	65134	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	20.26	20.30	20.16	21.0	0.0
Channel				64834	65000	65168	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	20.17	20.24	20.14	21.0	0.0
Channel				64800	65000	65200	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.21	20.31	20.11	21.0	0.0
Channel				64766	65000	65234	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	20.17	20.29	20.12	21.0	0.0
Channel				64734	65000	65268	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	20.16	20.27	20.17	21.0	0.0

Part270 n78 PC2 Ant7 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	20.78				
100	PI/2 BPSK	1	137	20.75			22.0	0.0
100	PI/2 BPSK	1	271	20.75				
100	PI/2 BPSK	135	0	20.72			22.0	0.0
100	PI/2 BPSK	135	69	20.79			22.0	0.0
100	PI/2 BPSK	135	138	20.71				
100	PI/2 BPSK	270	0	20.44			22.0	0.0
100	QPSK	1	1	20.93				
100	QPSK	1	137	20.81			22.0	0.0
100	QPSK	1	271	20.81				
100	QPSK	135	0	20.79			22.0	0.0
100	QPSK	135	69	20.83			22.0	0.0
100	QPSK	135	138	20.68				
100	QPSK	270	0	20.64			22.0	0.0
100	16QAM	1	1	20.39			22.0	0.0
100	64QAM	1	1	18.84			21.5	0.5
100	256QAM	1	1	16.38			19.5	2.5
Channel				64968	65000	65034	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	20.79	20.84	20.74	22.0	0.0
Channel				64934	65000	65068	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	20.79	20.83	20.72	22.0	0.0
Channel				64900	65000	65100	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.84	20.88	20.70	22.0	0.0
Channel				64868	65000	65134	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	20.83	20.84	20.68	22.0	0.0
Channel				64834	65000	65168	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	20.75	20.80	20.66	22.0	0.0
Channel				64800	65000	65200	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.78	20.82	20.75	22.0	0.0
Channel				64766	65000	65234	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	20.77	20.84	20.69	22.0	0.0
Channel				64734	65000	65268	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	20.76	20.84	20.74	22.0	0.0



Part270 n77 Ant8 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	662000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	20.02	20.09	20.04	21.0	0.0		
100	PI/2 BPSK	1	137	20.01	20.06	19.97				
100	PI/2 BPSK	1	271	19.85	19.99	19.95				
100	PI/2 BPSK	135	0	19.57	19.72	19.54	20.5	0.5		
100	PI/2 BPSK	135	69	19.95	20.10	20.01	21.0	0.0		
100	PI/2 BPSK	135	138	19.59	19.65	19.59	20.5	0.5		
100	PI/2 BPSK	270	0	19.65	19.80	19.69				
100	QPSK	1	1	20.08	20.18	20.03				
100	QPSK	1	137	19.96	20.15	20.06	21.0	0.0		
100	QPSK	1	271	20.01	20.11	20.00				
100	QPSK	135	0	19.13	19.19	19.08				
100	QPSK	135	69	20.02	20.05	20.05	21.0	0.0		
100	QPSK	135	138	19.03	19.14	19.05	20.0	1.0		
100	QPSK	270	0	19.11	19.26	19.14				
100	16QAM	1	1	19.02	19.10	18.95				
100	64QAM	1	1	17.44	17.43	17.42	18.5	2.5		
100	256QAM	1	1	15.40	15.42	15.31	16.5	4.5		
Channel				648668	650000	662334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)		
90	QPSK	1	1	19.93	20.11	19.99	21.0	0.0		
Channel				649334	650000	662668	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)		
80	QPSK	1	1	19.99	20.12	19.98	21.0	0.0		
Channel				649000	650000	663000	Tune-up limit	MPR		
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)		
70	QPSK	1	1	20.00	20.04	20.02	21.0	0.0		
Channel				648668	650000	663334	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)		
60	QPSK	1	1	19.97	20.09	20.00	21.0	0.0		
Channel				648334	650000	663668	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)		
50	QPSK	1	1	19.98	20.04	19.97	21.0	0.0		
Channel				648000	650000	664000	Tune-up limit	MPR		
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)		
40	QPSK	1	1	19.98	20.10	19.96	21.0	0.0		
Channel				647668	650000	664334	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)		
30	QPSK	1	1	20.01	20.05	19.96	21.0	0.0		
Channel				647334	650000	664668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)		
20	QPSK	1	1	20.02	20.05	20.01	21.0	0.0		

Part270 n77 PC2 Ant8 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	662000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	20.61	20.74	20.69	21.5	0.0		
100	PI/2 BPSK	1	137	20.61	20.69	20.58				
100	PI/2 BPSK	1	271	20.49	20.61	20.49				
100	PI/2 BPSK	135	0	20.14	20.30	20.09	21.0	0.5		
100	PI/2 BPSK	135	69	20.56	20.71	20.57	21.5	0.0		
100	PI/2 BPSK	135	138	20.16	20.30	20.24	21.0	0.5		
100	PI/2 BPSK	270	0	20.25	20.39	20.32				
100	QPSK	1	1	20.74	20.83	20.70				
100	QPSK	1	137	20.57	20.77	20.67	21.5	0.0		
100	QPSK	1	271	20.58	20.68	20.52				
100	QPSK	135	0	19.73	19.72	19.65				
100	QPSK	135	69	20.62	20.71	20.67	21.5	0.0		
100	QPSK	135	138	19.65	19.78	19.63	20.5	1.0		
100	QPSK	270	0	19.77	19.86	19.75				
100	16QAM	1	1	19.57	19.64	19.59				
100	64QAM	1	1	17.96	18.12	18.02	19.0	2.5		
100	256QAM	1	1	15.98	16.04	15.90	17.0	4.5		
Channel				648668	650000	662334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)		
90	QPSK	1	1	20.61	20.77	20.60	21.5	0.0		
Channel				649334	650000	662668	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)		
80	QPSK	1	1	20.68	20.74	20.61	21.5	0.0		
Channel				649000	650000	663000	Tune-up limit	MPR		
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)		
70	QPSK	1	1	20.60	20.70	20.61	21.5	0.0		
Channel				648668	650000	663334	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)		
60	QPSK	1	1	20.62	20.71	20.62	21.5	0.0		
Channel				648334	650000	663668	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)		
50	QPSK	1	1	20.59	20.78	20.56	21.5	0.0		
Channel				648000	650000	664000	Tune-up limit	MPR		
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)		
40	QPSK	1	1	20.61	20.76	20.62	21.5	0.0		
Channel				647668	650000	664334	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)		
30	QPSK	1	1	20.64	20.73	20.59	21.5	0.0		
Channel				647334	650000	664668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)		
20	QPSK	1	1	20.59	20.76	20.55	21.5	0.0		



Part270 n78 Ant8 DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				65000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	20.28			
100	PI/2 BPSK	1	137	20.31			21.0
100	PI/2 BPSK	1	271	20.19			0.0
100	PI/2 BPSK	135	0	19.87			20.5
100	PI/2 BPSK	135	69	20.24			21.0
100	PI/2 BPSK	135	138	19.89			0.0
100	PI/2 BPSK	270	0	20.02			20.5
100	QPSK	1	1	20.38			
100	QPSK	1	137	20.35			21.0
100	QPSK	1	271	20.34			0.0
100	QPSK	135	0	19.38			20.0
100	QPSK	135	69	20.29			21.0
100	QPSK	135	138	19.41			0.0
100	QPSK	270	0	19.45			20.0
100	16QAM	1	1	19.30			20.0
100	16QAM	1	1	17.66			1.0
100	256QAM	1	1	15.61			18.5
Channel				64968	65000	65034	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	20.24	20.29	20.18	21.0
Channel				64934	65000	65068	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	20.26	20.27	20.14	21.0
Channel				64900	65000	65100	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	20.18	20.21	20.16	21.0
Channel				64868	65000	65134	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	20.17	20.27	20.17	21.0
Channel				64834	65000	65168	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	20.17	20.30	20.13	21.0
Channel				64800	65000	65200	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	20.19	20.22	20.19	21.0
Channel				64768	65000	65234	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	20.25	20.25	20.17	21.0
Channel				64734	65000	65268	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	20.24	20.26	20.18	21.0

Part270 n78 PC2 Ant8 DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				65000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	21.05			
100	PI/2 BPSK	1	137	20.98			22.0
100	PI/2 BPSK	1	271	20.96			0.0
100	PI/2 BPSK	135	0	20.61			22.0
100	PI/2 BPSK	135	69	21.07			22.0
100	PI/2 BPSK	135	138	20.88			22.0
100	PI/2 BPSK	270	0	20.78			0.0
100	QPSK	1	1	21.13			
100	QPSK	1	137	21.03			22.0
100	QPSK	1	271	21.10			0.0
100	QPSK	135	0	20.08			21.5
100	QPSK	135	69	21.01			22.0
100	QPSK	135	138	20.08			21.5
100	QPSK	270	0	20.19			0.0
100	16QAM	1	1	20.02			21.5
100	16QAM	1	1	18.40			2.0
100	256QAM	1	1	16.37			18.0
Channel				64968	65000	65034	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	20.91	21.08	20.95	22.0
Channel				64934	65000	65068	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	20.95	21.04	20.84	22.0
Channel				64900	65000	65100	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	20.90	21.03	20.99	22.0
Channel				64868	65000	65134	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	20.94	21.04	20.99	22.0
Channel				64834	65000	65168	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	20.89	21.00	20.95	22.0
Channel				64800	65000	65200	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	20.97	20.99	20.91	22.0
Channel				64768	65000	65234	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	20.96	21.05	20.99	22.0
Channel				64734	65000	65268	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	20.92	21.04	20.96	22.0

Reduced Power Mode for DSI4

n5 Ant0 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.09	23.12	23.07		
20	QPSK	50	28	22.74	22.89	22.87	24.0	0.0
20	QPSK	100	0	21.84	21.91	21.85	23.0	1.0

n26 Ant0 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800	24.0	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.92	22.99	22.91		
20	QPSK	50	28	22.77	22.89	22.88	24.0	0.0
20	QPSK	100	0	21.84	22.01	21.88	23.0	1.0

n7 Ant1 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				50400	50700	51000		
Frequency (MHz)				2120	2155	2190		
40	QPSK	1	1	22.60	22.71	22.82	24.0	0.0
40	QPSK	108	54	22.43	22.50	22.45	24.0	0.0
40	QPSK	216	0	21.54	21.57	21.55	23.0	1.0



n38 Ant1 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	516996		
Frequency (MHz)				2590.02	2590.00	2599.98		
40	QPSK	1	1	23.21	23.25	23.10	24.0	0.0
40	QPSK	50	28	22.92	23.08	22.97	24.0	0.0
40	QPSK	100	0	22.09	22.19	22.07	23.0	1.0

n41 Ant1 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	516508	528000		
Frequency (MHz)				2543.01	2592.99	2640		
100	QPSK	1	1	22.87	23.03	22.88	24.0	0.0
100	QPSK	135	69	22.57	22.66	22.58	24.0	0.0
100	QPSK	270	0	21.71	21.80	21.71	23.0	1.0



n5 Ant4 DSI4

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.83	22.72	22.63	24.0	0.0
20	QPSK	50	28	22.43	22.48	22.38	24.0	0.0
20	QPSK	100	0	21.46	21.57	21.51	22.0	1.0

n26 Ant4 DSI4

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	166300	167800		
Frequency (MHz)				834	831.5	839		
20	QPSK	1	1	22.82	22.73	22.70	24.0	0.0
20	QPSK	50	28	22.35	22.49	22.43	24.0	0.0
20	QPSK	100	0	21.53	21.69	21.61	23.0	1.0



Part270 n77 Ant3 DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid-High Ch. / Freq.	High Ch. / Freq.		
Channel				65000	65000	65000		
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	22.38	22.54	22.49		
100	PV2 BPSK	1	137	22.35	22.43	22.41	24.0	0.0
100	PV2 BPSK	1	271	22.28	22.40	22.37		
100	PV2 BPSK	135	0	21.97	22.10	21.83	23.5	0.5
100	PV2 BPSK	135	69	22.36	22.43	22.46	24.0	0.0
100	PV2 BPSK	135	138	21.98	22.16	22.00		
100	PV2 BPSK	270	0	21.99	22.20	22.12	23.5	0.5
100	QPSK	1	1	22.49	22.59	22.49		
100	QPSK	1	137	22.41	22.52	22.46	24.0	0.0
100	QPSK	1	271	22.35	22.47	22.31		
100	QPSK	135	0	21.51	21.56	21.43	23.0	1.0
100	QPSK	135	69	22.36	22.54	22.47	24.0	0.0
100	QPSK	135	138	21.42	21.55	21.40		
100	QPSK	270	0	21.60	21.64	21.48	23.0	1.0
100	16QAM	1	1	21.81	21.41	21.37	23.0	1.0
100	64QAM	1	1	19.80	19.89	19.81	21.5	2.5
100	256QAM	1	1	17.75	17.90	17.74	19.5	4.5
Channel				649688	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.36	22.47	22.35	24.0	0.0
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.42	22.47	22.36	24.0	0.0
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.35	22.49	22.40	24.0	0.0
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.42	22.47	22.41	24.0	0.0
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.35	22.45	22.36	24.0	0.0
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.44	22.46	22.38	24.0	0.0
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.37	22.50	22.42	24.0	0.0
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.35	22.45	22.38	24.0	0.0

Part270 n77 PC2 Ant3 DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid-High Ch. / Freq.	High Ch. / Freq.		
Channel				650000	650000	652000		
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	25.39	25.52	25.45		
100	PV2 BPSK	1	137	25.36	25.45	25.39	27.0	0.0
100	PV2 BPSK	1	271	25.25	25.37	25.28		
100	PV2 BPSK	135	0	25.00	25.08	24.88	26.5	0.5
100	PV2 BPSK	135	69	25.38	25.52	25.36	27.0	0.0
100	PV2 BPSK	135	138	24.99	25.14	25.05		
100	PV2 BPSK	270	0	25.05	25.21	25.03	26.5	0.5
100	QPSK	1	1	25.49	25.59	25.49		
100	QPSK	1	137	25.39	25.51	25.45	27.0	0.0
100	QPSK	1	271	25.37	25.53	25.39		
100	QPSK	135	0	24.51	24.52	24.40	26.0	1.0
100	QPSK	135	69	25.38	25.56	25.46	27.0	0.0
100	QPSK	135	138	24.49	24.62	24.40		
100	QPSK	270	0	24.57	24.67	24.47	26.0	1.0
100	16QAM	1	1	24.44	24.46	24.39	26.0	1.0
100	64QAM	1	1	22.80	22.87	22.81	24.5	2.5
100	256QAM	1	1	20.84	20.85	20.80	22.5	4.5
Channel				649688	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.39	25.54	25.43	27.0	0.0
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	25.41	25.53	25.36	27.0	0.0
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.41	25.51	25.39	27.0	0.0
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.38	25.53	25.43	27.0	0.0
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.34	25.51	25.42	27.0	0.0
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.41	25.45	25.34	27.0	0.0
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	25.37	25.45	25.39	27.0	0.0
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.44	25.48	25.39	27.0	0.0



Part270 n78 Ant3 DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PV2 BPSK	1	1	22.46			24.0	0.0
100	PV2 BPSK	1	137	22.37				
100	PV2 BPSK	1	271	22.33				
100	PV2 BPSK	135	0	21.93			23.5	0.5
100	PV2 BPSK	135	69	22.40			24.0	0.0
100	PV2 BPSK	135	138	22.01				
100	PV2 BPSK	270	0	22.07			23.5	0.5
100	QPSK	1	1	22.51				
100	QPSK	1	137	22.40			24.0	0.0
100	QPSK	1	271	22.40				
100	QPSK	135	0	21.50			23.0	1.0
100	QPSK	135	69	22.37			24.0	0.0
100	QPSK	135	138	21.43				
100	QPSK	270	0	21.51			23.0	1.0
100	16QAM	1	1	21.34			23.0	1.0
100	64QAM	1	1	19.77			21.5	2.5
100	256QAM	1	1	17.77			19.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.34	22.41	22.24	24.0	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.26	22.45	22.20	24.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.27	22.41	22.20	24.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3760.01	(dBm)	(dB)
60	QPSK	1	1	22.24	22.41	22.27	24.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.26	22.44	22.23	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.27	22.44	22.18	24.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	22.28	22.46	22.24	24.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.24	22.45	22.25	24.0	0.0

Part270 n78 PC2 Ant3 DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PV2 BPSK	1	1	25.38			27.0	0.0
100	PV2 BPSK	1	137	25.35				
100	PV2 BPSK	1	271	25.29				
100	PV2 BPSK	135	0	24.93			26.5	0.5
100	PV2 BPSK	135	69	25.34			27.0	0.0
100	PV2 BPSK	135	138	25.03				
100	PV2 BPSK	270	0	25.12			26.5	0.5
100	QPSK	1	1	25.54				
100	QPSK	1	137	25.40			27.0	0.0
100	QPSK	1	271	25.38				
100	QPSK	135	0	24.46			26.0	1.0
100	QPSK	135	69	25.38			27.0	0.0
100	QPSK	135	138	24.44				
100	QPSK	270	0	24.54			26.0	1.0
100	16QAM	1	1	24.38			26.0	1.0
100	64QAM	1	1	22.83			24.5	2.5
100	256QAM	1	1	20.72			22.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	25.26	25.48	25.33	27.0	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	25.23	25.46	25.37	27.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	25.23	25.48	25.31	27.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3760.01	(dBm)	(dB)
60	QPSK	1	1	25.28	25.43	25.35	27.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	25.27	25.49	25.33	27.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	25.30	25.45	25.35	27.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	25.22	25.42	25.27	27.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	25.23	25.45	25.33	27.0	0.0



Part270 n77 Ant5 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Mid-High Ch. / Freq.	High Ch. / Freq.			
Channel				65000	65000	65000			
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	20.06	20.25	20.21			
100	Pi/2 BPSK	1	137	20.10	20.15	20.04	21.0	0.0	
100	Pi/2 BPSK	1	271	19.95	20.07	20.00			
100	Pi/2 BPSK	135	0	19.73	19.73	19.80	20.5	0.5	
100	Pi/2 BPSK	135	69	20.07	20.19	20.15	21.0	0.0	
100	Pi/2 BPSK	135	138	19.68	19.83	19.71			
100	Pi/2 BPSK	270	0	19.78	19.85	19.76	20.5	0.5	
100	QPSK	1	1	20.23	20.33	20.16			
100	QPSK	1	137	20.05	20.23	20.09			
100	QPSK	1	271	20.10	20.17	20.06	21.0	0.0	
100	QPSK	135	0	19.19	19.23	19.12	20.0	1.0	
100	QPSK	135	69	20.08	20.19	20.13	21.0	0.0	
100	QPSK	135	138	19.13	19.28	19.15			
100	QPSK	270	0	19.24	19.34	19.26	20.0	1.0	
100	16QAM	1	1	19.16	19.17	19.07	20.0	1.0	
100	64QAM	1	1	17.46	17.59	17.49	18.5	2.5	
100	256QAM	1	1	15.55	15.61	15.46	16.5	4.5	
Channel				649688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.13	20.19	20.05	21.0	0.0	
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.15	20.24	20.10	21.0	0.0	
Channel				648000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.17	20.27	20.01	21.0	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.17	20.22	20.10	21.0	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.08	20.25	20.03	21.0	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.18	20.25	20.02	21.0	0.0	
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.12	20.21	20.08	21.0	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.14	20.25	20.01	21.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Power Mid-High Ch. / Freq.	Power High Ch. / Freq.			
Channel				650000	650000	652000			
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	20.82	20.87	20.86			
100	Pi/2 BPSK	1	137	20.79	20.88	20.78	21.5	0.0	
100	Pi/2 BPSK	1	271	20.70	20.80	20.77			
100	Pi/2 BPSK	135	0	20.34	20.50	20.30	21.0	0.5	
100	Pi/2 BPSK	135	69	20.76	20.92	20.81	21.5	0.0	
100	Pi/2 BPSK	135	138	20.35	20.53	20.47			
100	Pi/2 BPSK	270	0	20.45	20.61	20.42	21.0	0.5	
100	QPSK	1	1	20.93	20.98	20.84			
100	QPSK	1	137	20.75	20.93	20.84			
100	QPSK	1	271	20.76	20.88	20.78	21.5	0.0	
100	QPSK	135	0	19.95	19.99	19.80	20.5	1.0	
100	QPSK	135	69	20.77	20.93	20.85	21.5	0.0	
100	QPSK	135	138	19.85	19.98	19.86			
100	QPSK	270	0	19.95	20.02	19.95	20.5	1.0	
100	16QAM	1	1	19.82	19.82	19.79	20.5	1.0	
100	64QAM	1	1	18.23	18.31	18.20	19.0	2.5	
100	256QAM	1	1	16.17	16.21	16.11	17.0	4.5	
Channel				649688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.83	20.85	20.70	21.5	0.0	
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.86	20.92	20.72	21.5	0.0	
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.83	20.91	20.71	21.5	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.84	20.88	20.76	21.5	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.85	20.85	20.74	21.5	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.79	20.92	20.71	21.5	0.0	
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.81	20.86	20.79	21.5	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.87	20.88	20.78	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				650000				
Frequency (MHz)				3750				
100	PV2 BPSK	1	1	20.22	20.18	20.18	21.0	0.0
100	PV2 BPSK	1	137	20.15	20.15	20.15	21.0	0.0
100	PV2 BPSK	1	271	19.82	19.82	19.82	20.5	0.5
100	PV2 BPSK	135	0	20.20	20.20	20.20	21.0	0.0
100	PV2 BPSK	135	69	19.83	19.83	19.83	20.5	0.5
100	PV2 BPSK	135	138	19.87	19.87	19.87	20.5	0.5
100	PV2 BPSK	270	0	20.22	20.22	20.22	21.0	0.0
100	QPSK	1	1	20.27	20.27	20.27	21.0	0.0
100	QPSK	1	137	20.15	20.15	20.15	21.0	0.0
100	QPSK	1	271	20.15	20.15	20.15	21.0	0.0
100	QPSK	135	0	19.28	19.28	19.28	20.0	1.0
100	QPSK	135	69	20.18	20.18	20.18	21.0	0.0
100	QPSK	135	138	19.28	19.28	19.28	20.0	1.0
100	QPSK	270	0	19.32	19.32	19.32	20.0	1.0
100	16QAM	1	1	18.21	18.21	18.21	20.0	1.0
100	64QAM	1	1	17.60	17.60	17.60	18.5	2.5
100	256QAM	1	1	15.59	15.59	15.59	16.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	20.08	20.14	20.08	21.0	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	20.15	20.19	20.05	21.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.14	20.17	20.08	21.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	20.08	20.20	20.14	21.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	20.13	20.13	20.14	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.15	20.14	20.12	21.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	20.15	20.20	20.11	21.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	20.10	20.14	20.11	21.0	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				650000				
Frequency (MHz)				3750				
100	PV2 BPSK	1	1	22.81	22.88	22.84	24.0	0.0
100	PV2 BPSK	1	137	22.74	22.88	22.77	24.0	0.0
100	PV2 BPSK	1	271	22.86	22.76	22.78	24.0	0.0
100	PV2 BPSK	135	0	22.34	22.46	22.33	23.5	0.5
100	PV2 BPSK	135	69	22.81	22.88	22.77	24.0	0.0
100	PV2 BPSK	135	138	22.37	22.47	22.40	23.5	0.5
100	PV2 BPSK	270	0	22.42	22.56	22.51	24.0	0.0
100	QPSK	1	1	22.88	22.87	22.88	24.0	0.0
100	QPSK	1	137	22.76	22.92	22.86	24.0	0.0
100	QPSK	1	271	22.77	22.92	22.80	24.0	0.0
100	QPSK	135	0	21.90	22.00	21.88	23.0	1.0
100	QPSK	135	69	22.83	22.88	22.85	24.0	0.0
100	QPSK	135	138	21.86	22.02	21.87	23.0	1.0
100	QPSK	270	0	21.94	22.07	21.96	23.0	1.0
100	16QAM	1	1	21.82	21.86	21.76	23.0	1.0
100	64QAM	1	1	20.20	20.30	20.20	21.5	2.5
100	256QAM	1	1	18.23	18.25	18.19	19.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.81	22.85	22.74	24.0	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.78	22.87	22.82	24.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.75	22.90	22.80	24.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	22.74	22.87	22.82	24.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.75	22.85	22.77	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.79	22.90	22.75	24.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	22.74	22.92	22.76	24.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.80	22.81	22.82	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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.93	20.10	20.10	21.0	0.0
100	PI/2 BPSK	1	137	19.96	20.11	19.97		
100	PI/2 BPSK	1	271	19.90	20.00	19.96		
100	PI/2 BPSK	135	0	19.62	19.66	19.50	20.5	0.5
100	PI/2 BPSK	135	69	19.95	20.12	19.97	21.0	0.0
100	PI/2 BPSK	135	138	19.62	19.66	19.61		
100	PI/2 BPSK	270	0	19.59	19.77	19.72	20.5	0.5
100	QPSK	1	1	20.16	20.19	20.11		
100	QPSK	1	137	20.03	20.16	20.04	21.0	0.0
100	QPSK	1	271	19.95	20.09	19.96		
100	QPSK	135	0	19.11	19.19	18.99	20.0	1.0
100	QPSK	135	69	19.99	20.12	20.07	21.0	0.0
100	QPSK	135	138	19.06	19.14	18.99		
100	QPSK	270	0	19.12	19.26	19.15	20.0	1.0
100	16QAM	1	1	18.98	19.02	18.96	20.0	1.0
100	64QAM	1	1	17.41	17.51	17.46	18.5	2.5
100	256QAM	1	1	15.36	15.40	15.35	16.5	4.5
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.10	20.10	19.98	21.0	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.06	20.05	20.05	21.0	0.0
Channel				649200	650000	663200	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.08	20.11	20.00	21.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.04	20.11	20.01	21.0	0.0
Channel				648334	650000	663968	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.09	20.06	19.99	21.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.02	20.14	19.98	21.0	0.0
Channel				647900	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.10	20.11	20.05	21.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.03	20.11	19.99	21.0	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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.90	21.04	20.96		
100	PI/2 BPSK	1	137	20.92	21.03	20.91	22.0	0.0
100	PI/2 BPSK	1	271	20.80	21.01	20.89		
100	PI/2 BPSK	135	0	20.57	20.64	20.45	21.5	0.5
100	PI/2 BPSK	135	69	20.99	21.01	20.92	22.0	0.0
100	PI/2 BPSK	135	138	20.57	20.62	20.53		
100	PI/2 BPSK	270	0	20.59	20.69	20.62	21.5	0.5
100	QPSK	1	1	21.05	21.19	21.07		
100	QPSK	1	137	20.89	21.07	20.96	22.0	0.0
100	QPSK	1	271	20.92	21.04	20.90		
100	QPSK	135	0	20.08	20.13	20.01	21.0	1.0
100	QPSK	135	69	20.99	21.09	20.99	22.0	0.0
100	QPSK	135	138	19.98	20.15	19.99		
100	QPSK	270	0	20.11	20.14	20.10	21.0	1.0
100	16QAM	1	1	20.00	20.05	19.89	21.0	1.0
100	64QAM	1	1	18.29	18.40	18.34	19.5	2.5
100	256QAM	1	1	16.36	16.45	16.33	17.5	4.5
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.99	21.12	21.01	22.0	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.91	21.05	21.02	22.0	0.0
Channel				649200	650000	663200	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.95	21.13	20.99	22.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.95	21.09	21.01	22.0	0.0
Channel				648334	650000	663968	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.91	21.06	20.92	22.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.98	21.05	20.95	22.0	0.0
Channel				647900	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.95	21.05	21.02	22.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.94	21.04	20.93	22.0	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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	20.31			21.0	0.0
100	PI/2 BPSK	1	137	20.27				
100	PI/2 BPSK	1	271	20.25				
100	PI/2 BPSK	135	0	19.92			20.5	0.5
100	PI/2 BPSK	135	69	20.31			21.0	0.0
100	PI/2 BPSK	135	138	19.95				
100	PI/2 BPSK	270	0	19.98			20.5	0.5
100	QPSK	1	1	20.38				
100	QPSK	1	137	20.34			21.0	0.0
100	QPSK	1	271	20.30				
100	QPSK	135	0	19.37			20.0	1.0
100	QPSK	135	69	20.32			21.0	0.0
100	QPSK	135	138	19.35				
100	QPSK	270	0	19.37			20.0	1.0
100	16QAM	1	1	19.29			20.0	1.0
100	64QAM	1	1	17.71			18.5	2.5
100	256QAM	1	1	15.67			16.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	20.21	20.31	20.16	21.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	20.21	20.31	20.18	21.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.23	20.30	20.12	21.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	20.26	20.30	20.16	21.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	20.17	20.24	20.14	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.21	20.31	20.11	21.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	20.17	20.29	20.12	21.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	20.16	20.27	20.17	21.0	0.0

Part270 n78 PC2 Ant7 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	23.12				
100	PI/2 BPSK	1	137	23.00			24.0	0.0
100	PI/2 BPSK	1	271	22.98				
100	PI/2 BPSK	135	0	22.60			23.5	0.5
100	PI/2 BPSK	135	69	22.99			24.0	0.0
100	PI/2 BPSK	135	138	22.88				
100	PI/2 BPSK	270	0	22.74			23.5	0.5
100	QPSK	1	1	23.16				
100	QPSK	1	137	23.11			24.0	0.0
100	QPSK	1	271	23.02				
100	QPSK	135	0	22.09			23.0	1.0
100	QPSK	135	69	23.04			24.0	0.0
100	QPSK	135	138	22.10				
100	QPSK	270	0	22.18			23.0	1.0
100	16QAM	1	1	22.05			23.0	1.0
100	64QAM	1	1	20.42			21.5	2.5
100	256QAM	1	1	18.38			19.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.99	23.09	22.99	24.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.96	23.02	23.01	24.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.96	23.10	22.95	24.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	22.98	23.05	22.98	24.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.95	23.01	22.95	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.99	23.01	23.00	24.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	22.94	23.02	23.00	24.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.92	23.09	22.92	24.0	0.0



Part270 n77 Ant8 DS14										
BW [MHz]	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	662000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	20.02	20.09	20.04	21.0	0.0		
100	PI/2 BPSK	1	137	20.01	20.06	19.97				
100	PI/2 BPSK	1	271	19.85	19.99	19.95				
100	PI/2 BPSK	135	0	19.57	19.72	19.54	20.5	0.5		
100	PI/2 BPSK	135	69	19.95	20.10	20.01	21.0	0.0		
100	PI/2 BPSK	135	138	19.59	19.65	19.59	20.5	0.5		
100	PI/2 BPSK	270	0	19.65	19.80	19.69				
100	QPSK	1	1	20.08	20.18	20.03				
100	QPSK	1	137	19.96	20.15	20.06	21.0	0.0		
100	QPSK	1	271	20.01	20.11	20.00	20.0	1.0		
100	QPSK	135	0	19.13	19.19	19.08				
100	QPSK	135	69	20.02	20.05	20.05				
100	QPSK	135	138	19.03	19.14	19.05	20.0	1.0		
100	QPSK	270	0	19.11	19.26	19.14				
100	16QAM	1	1	19.02	19.10	18.95				
100	64QAM	1	1	17.44	17.43	17.42	18.5	2.5		
100	256QAM	1	1	15.40	15.42	15.31	16.5	4.5		
Channel				648668	650000	662334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)		
90	QPSK	1	1	19.93	20.11	19.99	21.0	0.0		
Channel				649334	650000	662668	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)		
80	QPSK	1	1	19.99	20.12	19.98	21.0	0.0		
Channel				649000	650000	663000	Tune-up limit	MPR		
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)		
70	QPSK	1	1	20.00	20.04	20.02	21.0	0.0		
Channel				648668	650000	663334	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)		
60	QPSK	1	1	19.97	20.09	20.00	21.0	0.0		
Channel				648334	650000	663668	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)		
50	QPSK	1	1	19.98	20.04	19.97	21.0	0.0		
Channel				648000	650000	664000	Tune-up limit	MPR		
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)		
40	QPSK	1	1	19.98	20.10	19.96	21.0	0.0		
Channel				647668	650000	664334	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)		
30	QPSK	1	1	20.01	20.05	19.96	21.0	0.0		
Channel				647334	650000	664668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)		
20	QPSK	1	1	20.02	20.05	20.01	21.0	0.0		

Part270 n77 PC2 Ant8 DS14										
BW [MHz]	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	662000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	20.61	20.74	20.69	21.5	0.0		
100	PI/2 BPSK	1	137	20.61	20.69	20.58				
100	PI/2 BPSK	1	271	20.49	20.61	20.49				
100	PI/2 BPSK	135	0	20.14	20.30	20.09	21.0	0.5		
100	PI/2 BPSK	135	69	20.56	20.71	20.57	21.5	0.0		
100	PI/2 BPSK	135	138	20.16	20.30	20.24	21.0	0.5		
100	PI/2 BPSK	270	0	20.25	20.39	20.32				
100	QPSK	1	1	20.74	20.83	20.70				
100	QPSK	1	137	20.57	20.77	20.67	21.5	0.0		
100	QPSK	1	271	20.58	20.68	20.52	20.5	1.0		
100	QPSK	135	0	19.73	19.72	19.65				
100	QPSK	135	69	20.62	20.71	20.67				
100	QPSK	135	138	19.65	19.78	19.63	20.5	1.0		
100	QPSK	270	0	19.77	19.86	19.75				
100	16QAM	1	1	19.57	19.64	19.59				
100	64QAM	1	1	17.96	18.12	18.02	19.0	2.5		
100	256QAM	1	1	15.98	16.04	15.90	17.0	4.5		
Channel				648668	650000	662334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)		
90	QPSK	1	1	20.61	20.77	20.60	21.5	0.0		
Channel				649334	650000	662668	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)		
80	QPSK	1	1	20.68	20.74	20.61	21.5	0.0		
Channel				649000	650000	663000	Tune-up limit	MPR		
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)		
70	QPSK	1	1	20.60	20.70	20.61	21.5	0.0		
Channel				648668	650000	663334	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)		
60	QPSK	1	1	20.62	20.71	20.62	21.5	0.0		
Channel				648334	650000	663668	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)		
50	QPSK	1	1	20.59	20.78	20.56	21.5	0.0		
Channel				648000	650000	664000	Tune-up limit	MPR		
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)		
40	QPSK	1	1	20.61	20.76	20.62	21.5	0.0		
Channel				647668	650000	664334	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)		
30	QPSK	1	1	20.64	20.73	20.59	21.5	0.0		
Channel				647334	650000	664668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)		
20	QPSK	1	1	20.59	20.76	20.55	21.5	0.0		



Part270 n78 Ant8 DSI4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				65000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	20.28			
100	PI/2 BPSK	1	137	20.31		21.0	0.0
100	PI/2 BPSK	1	271	20.19			
100	PI/2 BPSK	135	0	19.87		20.5	0.5
100	PI/2 BPSK	135	69	20.24		21.0	0.0
100	PI/2 BPSK	135	138	19.89			
100	PI/2 BPSK	270	0	20.02		20.5	0.5
100	QPSK	1	1	20.38			
100	QPSK	1	137	20.35		21.0	0.0
100	QPSK	1	271	20.34			
100	QPSK	135	0	19.38		20.0	1.0
100	QPSK	135	69	20.29		21.0	0.0
100	QPSK	135	138	19.41			
100	QPSK	270	0	19.45		20.0	1.0
100	16QAM	1	1	19.30		20.0	1.0
100	64QAM	1	1	17.66		18.5	2.5
100	256QAM	1	1	15.61		16.5	4.5
Channel				64968	65000	65034	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	20.24	20.29	20.18	21.0
Channel				64934	65000	65068	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	20.26	20.27	20.14	21.0
Channel				64900	65000	65100	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	20.18	20.21	20.16	21.0
Channel				64868	65000	65134	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	20.17	20.27	20.17	21.0
Channel				64834	65000	65168	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	20.17	20.30	20.13	21.0
Channel				64800	65000	65200	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	20.19	20.22	20.19	21.0
Channel				64768	65000	65234	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	20.25	20.25	20.17	21.0
Channel				64734	65000	65268	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	20.24	20.26	20.18	21.0

Part270 n78 PC2 Ant8 DSI4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				65000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	21.05			
100	PI/2 BPSK	1	137	20.98		22.5	0.0
100	PI/2 BPSK	1	271	20.96			
100	PI/2 BPSK	135	0	20.61		22.0	0.5
100	PI/2 BPSK	135	69	21.07		22.5	0.0
100	PI/2 BPSK	135	138	20.88			
100	PI/2 BPSK	270	0	20.78		22.0	0.5
100	QPSK	1	1	21.13			
100	QPSK	1	137	21.03		22.5	0.0
100	QPSK	1	271	21.10			
100	QPSK	135	0	20.08		21.5	1.0
100	QPSK	135	69	21.01		22.5	0.0
100	QPSK	135	138	20.08			
100	QPSK	270	0	20.19		21.5	1.0
100	16QAM	1	1	20.02		21.5	1.0
100	64QAM	1	1	18.40		20.0	2.5
100	256QAM	1	1	16.37		18.0	4.5
Channel				64968	65000	65034	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	20.91	21.08	20.95	22.5
Channel				64934	65000	65068	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	20.95	21.04	20.84	22.5
Channel				64900	65000	65100	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	20.90	21.03	20.99	22.5
Channel				64868	65000	65134	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	20.94	21.04	20.99	22.5
Channel				64834	65000	65168	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	20.89	21.00	20.95	22.5
Channel				64800	65000	65200	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	20.97	20.99	20.91	22.5
Channel				64768	65000	65234	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	20.96	21.05	20.99	22.5
Channel				64734	65000	65268	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	20.92	21.04	20.96	22.5



Reduced Power Mode for DSI6

n5 Ant0 DSI6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				165900	167300	167800		
Frequency (MHz)				834	838.5	839		
20	QPSK	1	1	23.09	23.12	23.07	24.0	0.0
20	QPSK	50	28	22.74	22.89	22.87	24.0	0.0
20	QPSK	100	0	21.84	21.91	21.85	23.0	1.0

n26 Ant0 DSI6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164900	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.92	22.99	22.91	24.0	0.0
20	QPSK	50	28	22.77	22.89	22.88	24.0	0.0
20	QPSK	100	0	21.84	22.01	21.88	23.0	1.0

n7 Ant1 DS16								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50400	50700	51000		
Frequency [MHz]				250	255	260		
40	QPSK	1	1	21.59	21.71	21.50	22.6	0.0
40	QPSK	108	54	21.56	21.59	21.54	22.6	0.0
40	QPSK	216	0	21.32	21.35	21.31	22.6	0.0



n38 Ant1 DSI6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	516996		
Frequency (MHz)				2590.02	2590.00	2599.98		
40	QPSK	1	1	21.97	22.02	21.95	23.2	0.0
40	QPSK	50	28	21.75	21.92	21.77	23.2	0.0
40	QPSK	100	0	21.79	21.85	21.81	23.0	0.2

n41 Ant1 DSI6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	516508	528000		
Frequency (MHz)				2543.01	2592.99	2643.00		
100	QPSK	1	1	21.95	21.98	21.95	23.2	0.0
100	QPSK	135	69	21.83	21.93	21.83	23.2	0.0
100	QPSK	270	0	21.76	21.78	21.76	23.0	0.2



n5 Ant4 DSI6

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	838.5	839		
20	QPSK	1	1	22.63	22.72	22.63	24.0	0.0
20	QPSK	50	28	22.43	22.48	22.38	24.0	0.0
20	QPSK	100	0	21.46	21.57	21.51	22.0	1.0

n26 Ant4 DSI6

Band	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	QPSK	1	1	22.62	22.73	22.70	24.0	0.0
20	QPSK	50	28	22.35	22.49	22.43	24.0	0.0
20	QPSK	100	0	21.53	21.69	21.61	23.0	1.0



Part270 n77 PC2 Ant3 DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	66000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.56	20.68	20.54			
100	PI/2 BPSK	1	137	20.49	20.62	20.56			
100	PI/2 BPSK	1	271	20.43	20.54	20.44	21.7	0.0	
100	PI/2 BPSK	135	0	20.33	20.48	20.42	21.7	0.0	
100	PI/2 BPSK	135	69	20.53	20.64	20.58	21.7	0.0	
100	PI/2 BPSK	135	138	20.48	20.54	20.46	21.7	0.0	
100	PI/2 BPSK	270	0	20.20	20.30	20.23			
100	QPSK	1	1	20.71	20.73	20.66			
100	QPSK	1	137	20.53	20.72	20.59	21.7	0.0	
100	QPSK	1	271	20.50	20.61	20.51			
100	QPSK	135	0	20.44	20.59	20.47	21.7	0.0	
100	QPSK	135	69	20.58	20.64	20.54	21.7	0.0	
100	QPSK	135	138	20.46	20.53	20.53	21.7	0.0	
100	QPSK	270	0	20.40	20.50	20.43			
100	16QAM	1	1	20.41	20.52	20.30	21.7	0.0	
100	64QAM	1	1	20.45	20.49	20.46	21.7	0.0	
100	256QAM	1	1	20.43	20.38	20.37	21.7	0.0	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.67	20.55	20.53	21.7	0.0	
Channel				648334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.66	20.58	20.57	21.7	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.61	20.62	20.50	21.7	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.67	20.61	20.51	21.7	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.63	20.59	20.57	21.7	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.64	20.68	20.61	21.7	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.67	20.60	20.60	21.7	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.59	20.68	20.53	21.7	0.0	

Part270 n78 PC2 Ant3 DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000				
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	20.69					
100	PI/2 BPSK	1	137	20.67					
100	PI/2 BPSK	1	271	20.49			21.7	0.0	
100	PI/2 BPSK	135	0	20.52			21.7	0.0	
100	PI/2 BPSK	135	69	20.60			21.7	0.0	
100	PI/2 BPSK	135	138	20.49			21.7	0.0	
100	PI/2 BPSK	270	0	20.34					
100	QPSK	1	1	20.72					
100	QPSK	1	137	20.68			21.7	0.0	
100	QPSK	1	271	20.63					
100	QPSK	135	0	20.61			21.7	0.0	
100	QPSK	135	69	20.65			21.7	0.0	
100	QPSK	135	138	20.51			21.7	0.0	
100	QPSK	270	0	20.47					
100	16QAM	1	1	20.47			21.7	0.0	
100	64QAM	1	1	20.47			21.7	0.0	
100	256QAM	1	1	20.41			21.7	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	20.63	20.64	20.45	21.7	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	20.69	20.55	20.57	21.7	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.64	20.59	20.53	21.7	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	20.72	20.55	20.55	21.7	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	20.64	20.53	20.48	21.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.67	20.61	20.57	21.7	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	20.65	20.62	20.53	21.7	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.70	20.56	20.55	21.7	0.0	



Part270 n77 Ant5 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.06	20.25	20.21			
100	PI/2 BPSK	1	157	20.10	20.15	20.04	21.0	0.0	
100	PI/2 BPSK	1	271	19.95	20.07	20.00			
100	PI/2 BPSK	135	0	19.73	19.73	19.80	20.5	0.5	
100	PI/2 BPSK	135	69	20.07	20.19	20.15	21.0	0.0	
100	PI/2 BPSK	135	138	19.68	19.83	19.71			
100	PI/2 BPSK	270	0	19.78	19.85	19.76	20.5	0.5	
100	QPSK	1	1	20.23	20.33	20.16			
100	QPSK	1	137	20.05	20.23	20.09	21.0	0.0	
100	QPSK	1	271	20.10	20.17	20.06			
100	QPSK	135	0	19.19	19.23	19.12	20.0	1.0	
100	QPSK	135	69	20.06	20.19	20.13	21.0	0.0	
100	QPSK	135	138	19.13	19.28	19.15			
100	QPSK	270	0	19.24	19.34	19.26	20.0	1.0	
100	16QAM	1	1	19.16	19.17	19.07	20.0	1.0	
100	64QAM	1	1	17.46	17.59	17.49	18.5	2.5	
100	256QAM	1	1	15.55	15.61	15.46	16.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.13	20.19	20.05	21.0	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.15	20.24	20.10	21.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.17	20.27	20.01	21.0	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.17	20.22	20.10	21.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.08	20.25	20.03	21.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3950			
40	QPSK	1	1	20.18	20.25	20.02	21.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3955.01			
30	QPSK	1	1	20.12	20.21	20.08	21.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.14	20.25	20.01	21.0	0.0	

Part270 n77 PC2 Ant5 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.82	20.87	20.88			
100	PI/2 BPSK	1	137	20.79	20.88	20.78	21.5	0.0	
100	PI/2 BPSK	1	271	20.70	20.80	20.77			
100	PI/2 BPSK	135	0	20.34	20.50	20.30	21.0	0.5	
100	PI/2 BPSK	135	69	20.76	20.92	20.81	21.5	0.0	
100	PI/2 BPSK	135	138	20.35	20.53	20.47			
100	PI/2 BPSK	270	0	20.45	20.61	20.42	21.0	0.5	
100	QPSK	1	1	20.93	20.98	20.84			
100	QPSK	1	137	20.75	20.93	20.84	21.5	0.0	
100	QPSK	1	271	20.76	20.88	20.78			
100	QPSK	135	0	19.95	19.99	19.80	20.5	1.0	
100	QPSK	135	69	20.77	20.93	20.85	21.5	0.0	
100	QPSK	135	138	19.85	19.88	19.86			
100	QPSK	270	0	19.95	20.02	19.96	20.5	1.0	
100	16QAM	1	1	19.82	19.82	19.79	20.5	1.0	
100	64QAM	1	1	18.23	18.31	18.20	19.0	2.5	
100	256QAM	1	1	16.17	16.21	16.11	17.0	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.83	20.85	20.70	21.5	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.86	20.92	20.72	21.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.83	20.91	20.71	21.5	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.84	20.89	20.76	21.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.85	20.85	20.74	21.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3950			
40	QPSK	1	1	20.79	20.92	20.71	21.5	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3955.01			
30	QPSK	1	1	20.81	20.86	20.79	21.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.87	20.88	20.78	21.5	0.0	



Part270 n78 Ant5 DSI6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000						
Frequency (MHz)				3750						
100	Pi/2 BPSK	1	1		20.22					
100	Pi/2 BPSK	1	137		20.18		21.0	0.0		
100	Pi/2 BPSK	1	271		20.15					
100	Pi/2 BPSK	135	0		19.82		20.5	0.5		
100	Pi/2 BPSK	135	69		20.20		21.0	0.0		
100	Pi/2 BPSK	135	138		19.83		20.5	0.5		
100	Pi/2 BPSK	270	0		19.87					
100	QPSK	1	1		20.27					
100	QPSK	1	137		20.22		21.0	0.0		
100	QPSK	1	271		20.15					
100	QPSK	135	0		19.28		20.0	1.0		
100	QPSK	135	69		20.18		21.0	0.0		
100	QPSK	135	138		19.26					
100	QPSK	270	0		19.32		20.0	1.0		
100	16QAM	1	1		19.21		20.0	1.0		
100	64QAM	1	1		17.60		18.5	2.5		
100	256QAM	1	1		15.59		16.5	4.5		
Channel				649668 650000 650334			Tune-up limit	MPR		
Frequency (MHz)				3745.02 3750 3755.01			(dBm)	(dB)		
90	QPSK	1	1		20.08	20.14	20.08	21.0	0.0	
Channel				648334 650000 650668			Tune-up limit	MPR		
Frequency (MHz)				3740.01 3750 3760.02			(dBm)	(dB)		
80	QPSK	1	1		20.15	20.19	20.05	21.0	0.0	
Channel				649000 650000 651000			Tune-up limit	MPR		
Frequency (MHz)				3735 3750 3765			(dBm)	(dB)		
70	QPSK	1	1		20.14	20.17	20.08	21.0	0.0	
Channel				648668 650000 651334			Tune-up limit	MPR		
Frequency (MHz)				3730.02 3750 3770.01			(dBm)	(dB)		
60	QPSK	1	1		20.08	20.20	20.14	21.0	0.0	
Channel				648334 650000 651668			Tune-up limit	MPR		
Frequency (MHz)				3725.01 3750 3775.02			(dBm)	(dB)		
50	QPSK	1	1		20.13	20.13	20.14	21.0	0.0	
Channel				648000 650000 652000			Tune-up limit	MPR		
Frequency (MHz)				3720 3750 3780			(dBm)	(dB)		
40	QPSK	1	1		20.15	20.14	20.12	21.0	0.0	
Channel				647668 650000 652334			Tune-up limit	MPR		
Frequency (MHz)				3715.02 3750 3765.01			(dBm)	(dB)		
30	QPSK	1	1		20.15	20.20	20.11	21.0	0.0	
Channel				647334 650000 652668			Tune-up limit	MPR		
Frequency (MHz)				3710.01 3750 3760.02			(dBm)	(dB)		
20	QPSK	1	1		20.10	20.14	20.11	21.0	0.0	

Part270 n78 PC2 Ant5 DSI6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000						
Frequency (MHz)				3750						
100	Pi/2 BPSK	1	1		21.46					
100	Pi/2 BPSK	1	137		21.35		22.5	0.0		
100	Pi/2 BPSK	1	271		21.39					
100	Pi/2 BPSK	135	0		21.33		22.5	0.0		
100	Pi/2 BPSK	135	69		21.37		22.5	0.0		
100	Pi/2 BPSK	135	138		21.33					
100	Pi/2 BPSK	270	0		21.18		22.5	0.0		
100	QPSK	1	1		21.53					
100	QPSK	1	137		21.46		22.5	0.0		
100	QPSK	1	271		21.41					
100	QPSK	135	0		21.36		22.5	0.0		
100	QPSK	135	69		21.45		22.5	0.0		
100	QPSK	135	138		21.36					
100	QPSK	270	0		21.31		22.5	0.0		
100	16QAM	1	1		21.34		22.5	0.0		
100	64QAM	1	1		20.30		21.5	1.0		
100	256QAM	1	1		18.25		19.5	3.0		
Channel				649668 650000 650334			Tune-up limit	MPR		
Frequency (MHz)				3745.02 3750 3755.01			(dBm)	(dB)		
90	QPSK	1	1		21.32	21.37	21.33	22.5	0.0	
Channel				648334 650000 650668			Tune-up limit	MPR		
Frequency (MHz)				3740.01 3750 3760.02			(dBm)	(dB)		
80	QPSK	1	1		21.32	21.40	21.29	22.5	0.0	
Channel				649000 650000 651000			Tune-up limit	MPR		
Frequency (MHz)				3735 3750 3765			(dBm)	(dB)		
70	QPSK	1	1		21.38	21.45	21.33	22.5	0.0	
Channel				648668 650000 651334			Tune-up limit	MPR		
Frequency (MHz)				3730.02 3750 3770.01			(dBm)	(dB)		
60	QPSK	1	1		21.38	21.49	21.35	22.5	0.0	
Channel				648334 650000 651668			Tune-up limit	MPR		
Frequency (MHz)				3725.01 3750 3775.02			(dBm)	(dB)		
50	QPSK	1	1		21.38	21.42	21.36	22.5	0.0	
Channel				648000 650000 652000			Tune-up limit	MPR		
Frequency (MHz)				3720 3750 3780			(dBm)	(dB)		
40	QPSK	1	1		21.42	21.46	21.35	22.5	0.0	
Channel				647668 650000 652334			Tune-up limit	MPR		
Frequency (MHz)				3715.02 3750 3765.01			(dBm)	(dB)		
30	QPSK	1	1		21.41	21.47	21.31	22.5	0.0	
Channel				647334 650000 652668			Tune-up limit	MPR		
Frequency (MHz)				3710.01 3750 3760.02			(dBm)	(dB)		
20	QPSK	1	1		21.40	21.43	21.28	22.5	0.0	



Part270 n77 Ant7 DS16									
BW [MHz]	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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.93	20.10	20.10	21.0	0.0	
100	PI/2 BPSK	1	137	19.96	20.11	19.97			
100	PI/2 BPSK	1	271	19.90	20.00	19.96			
100	PI/2 BPSK	135	0	19.82	19.68	19.50	20.5	0.5	
100	PI/2 BPSK	135	69	19.95	20.12	19.97	21.0	0.0	
100	PI/2 BPSK	135	138	19.82	19.66	19.61	20.5	0.5	
100	PI/2 BPSK	270	0	19.59	19.77	19.72			
100	QPSK	1	1	20.16	20.19	20.11			
100	QPSK	1	137	20.03	20.16	20.04	21.0	0.0	
100	QPSK	1	271	19.95	20.09	19.96			
100	QPSK	135	0	19.11	19.19	18.99			
100	QPSK	135	69	19.99	20.12	20.07	21.0	0.0	
100	QPSK	135	138	19.06	18.14	18.99	20.0	1.0	
100	QPSK	270	0	19.12	19.26	19.15			
100	16QAM	1	1	18.98	19.02	18.96			
100	64QAM	1	1	17.41	17.51	17.46	18.5	2.5	
100	256QAM	1	1	15.36	15.40	15.35	16.5	4.5	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3935.01			
90	QPSK	1	1	20.10	20.10	19.98	21.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.06	20.05	20.05	21.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.08	20.11	20.00	21.0	0.0	
Channel				649668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.04	20.11	20.01	21.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.09	20.06	19.99	21.0	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.02	20.14	19.98	21.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.10	20.11	20.05	21.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.03	20.11	19.99	21.0	0.0	

Part270 n77 PC2 Ant7 DS16									
BW [MHz]	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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.90	21.04	20.96	22.0	0.0	
100	PI/2 BPSK	1	137	20.92	21.03	20.91			
100	PI/2 BPSK	1	271	20.80	21.01	20.89			
100	PI/2 BPSK	135	0	20.57	20.84	20.45	21.5	0.5	
100	PI/2 BPSK	135	69	20.99	21.01	20.92	22.0	0.0	
100	PI/2 BPSK	135	138	20.57	20.62	20.53	21.5	0.5	
100	PI/2 BPSK	270	0	20.59	20.69	20.62			
100	QPSK	1	1	21.05	21.19	21.07			
100	QPSK	1	137	20.89	21.07	20.98	22.0	0.0	
100	QPSK	1	271	20.92	21.04	20.90			
100	QPSK	135	0	20.08	20.13	20.01			
100	QPSK	135	69	20.99	21.09	20.99	22.0	0.0	
100	QPSK	135	138	19.98	20.15	19.99	21.0	1.0	
100	QPSK	270	0	20.11	20.14	20.10			
100	16QAM	1	1	20.00	20.05	19.89			
100	64QAM	1	1	18.29	18.40	18.34	19.5	2.5	
100	256QAM	1	1	16.36	16.45	16.33	17.5	4.5	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3935.01			
90	QPSK	1	1	20.09	21.12	21.01	22.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.91	21.05	21.02	22.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.95	21.13	20.99	22.0	0.0	
Channel				649668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.95	21.09	21.01	22.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.91	21.06	20.92	22.0	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.98	21.05	20.98	22.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.95	21.05	21.02	22.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.94	21.04	20.93	22.0	0.0	



Part270 n77 Ant8 DS16									
BW [MHz]	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	662000			
Frequency (MHz)				3750	3340	3950			
100	PI/2 BPSK	1	1	20.02	20.06	20.04			
100	PI/2 BPSK	1	137	20.01	20.06	19.97	21.0	0.0	
100	PI/2 BPSK	1	271	19.85	19.99	19.95			
100	PI/2 BPSK	135	0	19.57	19.72	19.54	20.5	0.5	
100	PI/2 BPSK	135	69	19.95	20.10	20.01	21.0	0.0	
100	PI/2 BPSK	135	138	19.59	19.68	19.58	20.5	0.5	
100	PI/2 BPSK	270	0	19.85	19.80	19.89			
100	QPSK	1	1	20.08	20.15	20.03			
100	QPSK	1	137	19.96	20.15	20.06	21.0	0.0	
100	QPSK	1	271	20.01	20.11	20.00			
100	QPSK	135	0	19.13	19.19	19.08	20.0	1.0	
100	QPSK	135	69	20.02	20.09	20.05	21.0	0.0	
100	QPSK	135	138	19.03	19.14	19.05	20.0	1.0	
100	QPSK	270	0	19.11	19.25	19.14			
100	16QAM	1	1	19.02	19.10	18.95	20.0	1.0	
100	64QAM	1	1	17.44	17.43	17.42	18.5	2.5	
100	256QAM	1	1	15.40	15.42	15.31	16.5	4.5	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3340	3955.01			
90	QPSK	1	1	19.53	20.11	19.99	21.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.99	20.12	19.98	21.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3340	3945			
70	QPSK	1	1	20.00	20.04	20.02	21.0	0.0	
Channel				649668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.97	20.09	20.00	21.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3340	3955.02			
50	QPSK	1	1	19.98	20.04	19.97	21.0	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.98	20.10	19.96	21.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3340	3965.01			
30	QPSK	1	1	20.01	20.05	19.96	21.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.02	20.05	20.01	21.0	0.0	

Part270 n77 PC2 Ant8 DS16									
BW [MHz]	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	662000			
Frequency (MHz)				3750	3340	3950			
100	PI/2 BPSK	1	1	20.61	20.74	20.66			
100	PI/2 BPSK	1	137	20.61	20.69	20.58	21.5	0.0	
100	PI/2 BPSK	1	271	20.49	20.61	20.49			
100	PI/2 BPSK	135	0	20.14	20.30	20.09	21.0	0.5	
100	PI/2 BPSK	135	69	20.56	20.71	20.57	21.5	0.0	
100	PI/2 BPSK	135	138	20.18	20.30	20.24	21.0	0.5	
100	PI/2 BPSK	270	0	20.25	20.39	20.32			
100	QPSK	1	1	20.74	20.83	20.70			
100	QPSK	1	137	20.57	20.77	20.67	21.5	0.0	
100	QPSK	1	271	20.58	20.68	20.52			
100	QPSK	135	0	19.73	19.72	19.65	20.5	1.0	
100	QPSK	135	69	20.62	20.71	20.67	21.5	0.0	
100	QPSK	135	138	19.65	19.79	19.63	20.5	1.0	
100	QPSK	270	0	19.77	19.86	19.75			
100	16QAM	1	1	19.57	19.64	19.59	20.5	1.0	
100	64QAM	1	1	17.96	18.12	18.02	19.0	2.5	
100	256QAM	1	1	15.98	16.04	15.90	17.0	4.5	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3340	3955.01			
90	QPSK	1	1	20.61	20.77	20.63	21.5	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.68	20.74	20.61	21.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3340	3945			
70	QPSK	1	1	20.60	20.70	20.61	21.5	0.0	
Channel				649668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.62	20.71	20.62	21.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3340	3955.02			
50	QPSK	1	1	20.59	20.78	20.56	21.5	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.61	20.76	20.62	21.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3340	3965.01			
30	QPSK	1	1	20.64	20.73	20.55	21.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.59	20.76	20.55	21.5	0.0	



Part270 n78 Ant8 DSI6						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				650000		
Frequency (MHz)				3750		
100	PI/2 BPSK	1	1	20.26		
100	PI/2 BPSK	1	137	20.31		
100	PI/2 BPSK	1	271	20.19		
100	PI/2 BPSK	135	0	19.87		20.5
100	PI/2 BPSK	135	69	20.24		21.0
100	PI/2 BPSK	135	138	19.89		20.5
100	PI/2 BPSK	270	0	20.02		
100	QPSK	1	1	20.36		
100	QPSK	1	137	20.35		21.0
100	QPSK	1	271	20.34		
100	QPSK	135	0	19.36		20.0
100	QPSK	135	69	20.29		21.0
100	QPSK	135	138	19.41		20.0
100	QPSK	270	0	19.45		
100	16QAM	1	1	19.30		20.0
100	64QAM	1	1	17.66		18.5
100	256QAM	1	1	15.61		16.5
Channel				649668	650000	650334
Frequency (MHz)				3745.02	3750	3755.01
90	QPSK	1	1	20.24	20.29	20.15
Channel				649334	650000	650668
Frequency (MHz)				3740.01	3750	3760.02
80	QPSK	1	1	20.26	20.29	20.14
Channel				649000	650000	651000
Frequency (MHz)				3735	3750	3765
70	QPSK	1	1	20.18	20.21	20.16
Channel				648668	650000	651334
Frequency (MHz)				3730.02	3750	3770.01
60	QPSK	1	1	20.17	20.27	20.17
Channel				648334	650000	651668
Frequency (MHz)				3725.01	3750	3775.02
50	QPSK	1	1	20.17	20.30	20.13
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	QPSK	1	1	20.19	20.22	20.19
Channel				647668	650000	652334
Frequency (MHz)				3715.02	3750	3785.01
30	QPSK	1	1	20.25	20.35	20.17
Channel				647334	650000	652668
Frequency (MHz)				3710.01	3750	3790.02
20	QPSK	1	1	20.24	20.26	20.18

Part270 n78 PC2 Ant8 DSI6						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				650000		
Frequency (MHz)				3750		
100	PI/2 BPSK	1	1	21.05		
100	PI/2 BPSK	1	137	20.98		
100	PI/2 BPSK	1	271	20.96		
100	PI/2 BPSK	135	0	20.81		22.0
100	PI/2 BPSK	135	69	21.07		22.5
100	PI/2 BPSK	135	138	20.88		22.0
100	PI/2 BPSK	270	0	20.78		
100	QPSK	1	1	21.13		
100	QPSK	1	137	21.03		22.5
100	QPSK	1	271	21.10		
100	QPSK	135	0	20.08		21.5
100	QPSK	135	69	21.01		22.5
100	QPSK	135	138	20.08		21.5
100	QPSK	270	0	20.19		
100	16QAM	1	1	20.02		21.5
100	64QAM	1	1	18.40		20.0
100	256QAM	1	1	16.37		18.0
Channel				649668	650000	650334
Frequency (MHz)				3745.02	3750	3755.01
90	QPSK	1	1	20.01	21.08	20.85
Channel				649334	650000	650668
Frequency (MHz)				3740.01	3750	3760.02
80	QPSK	1	1	20.86	21.04	20.94
Channel				649000	650000	651000
Frequency (MHz)				3735	3750	3765
70	QPSK	1	1	20.90	21.03	20.99
Channel				648668	650000	651334
Frequency (MHz)				3730.02	3750	3770.01
60	QPSK	1	1	20.94	21.04	20.99
Channel				648334	650000	651668
Frequency (MHz)				3725.01	3750	3775.02
50	QPSK	1	1	20.89	21.00	20.85
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	QPSK	1	1	20.97	20.99	20.91
Channel				647668	650000	652334
Frequency (MHz)				3715.02	3750	3785.01
30	QPSK	1	1	20.89	21.05	20.89
Channel				647334	650000	652668
Frequency (MHz)				3710.01	3750	3790.02
20	QPSK	1	1	20.92	21.04	20.96



Reduced Power Mode for DSI7

n5 Ant0 DSI7								
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				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.09	23.12	23.07	24.0	0.0
20	QPSK	50	28	22.74	22.89	22.87	24.0	0.0
20	QPSK	100	0	21.84	21.91	21.85	23.0	1.0

n26 Ant0 DSI7								
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	QPSK	1	1	22.92	22.99	22.91	24.0	0.0
20	QPSK	50	28	22.77	22.89	22.88	24.0	0.0
20	QPSK	100	0	21.84	22.01	21.88	23.0	1.0

n7 Ant1 DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				50400	50760	51000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.68	19.76	19.63	20.7	0.0
40	QPSK	108	54	19.57	19.68	19.51	20.7	0.0
40	QPSK	216	0	19.41	19.59	19.24	20.7	0.0



n38 Ant1 DSI7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	516996		
Frequency (MHz)				2030.02	2030	2039.98		
40	QPSK	1	1	20.35	20.44	20.36	21.5	0.0
40	QPSK	50	28	20.32	20.40	20.27	21.5	0.0
40	QPSK	100	0	20.14	20.28	20.10	21.5	0.0

n41 Ant1 DSI7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	516508	528000		
Frequency (MHz)				2043.01	2052.96	2040		
100	QPSK	1	1	20.45	20.48	20.39	21.5	0.0
100	QPSK	135	69	20.27	20.45	20.31	21.5	0.0
100	QPSK	270	0	20.09	20.28	20.05	21.5	0.0



n5 Ant4 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167600		
Frequency (MHz)				304	332.5	339		
20	QPSK	1	1	19.92	20.02	19.78	21.2	0.0
20	QPSK	50	28	19.78	19.90	19.74	21.2	0.0
20	QPSK	100	0	19.67	19.71	19.64	21.2	0.0

n26 Ant4 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	166300	167600		
Frequency (MHz)				304	331.5	339		
20	QPSK	1	1	20.02	20.12	19.88	21.2	0.0
20	QPSK	50	28	19.87	20.06	19.91	21.2	0.0
20	QPSK	100	0	19.73	19.82	19.71	21.2	0.0



Part270 n77 PC2 Ant3 DS17									
BW [MHz]	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	3840	3930			
100	PI/2 BPSK	1	1	15.51	15.62	15.54			
100	PI/2 BPSK	1	137	15.52	15.53	15.42	16.4	0.0	
100	PI/2 BPSK	1	271	15.42	15.55	15.45			
100	PI/2 BPSK	135	0	15.28	15.49	15.35	16.4	0.0	
100	PI/2 BPSK	135	69	15.44	15.52	15.54	16.4	0.0	
100	PI/2 BPSK	135	138	15.41	15.56	15.43			
100	PI/2 BPSK	270	0	15.13	15.22	15.20	16.4	0.0	
100	QPSK	1	1	15.57	15.68	15.55			
100	QPSK	1	137	15.52	15.59	15.58	16.4	0.0	
100	QPSK	1	271	15.44	15.64	15.41			
100	QPSK	135	0	15.49	15.53	15.46	16.4	0.0	
100	QPSK	135	69	15.55	15.63	15.56	16.4	0.0	
100	QPSK	135	138	15.42	15.50	15.56			
100	QPSK	270	0	14.61	15.54	14.61	16.4	0.0	
100	16QAM	1	1	14.52	14.64	14.55	16.4	0.0	
100	64QAM	1	1	14.56	14.63	14.58	16.4	0.0	
100	256QAM	1	1	14.57	14.57	14.57	16.4	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	15.52	15.55	15.49	16.4	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	15.51	15.55	15.51	16.4	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	15.43	15.60	15.40	16.4	0.0	
Channel				648668	650000	653334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	15.48	15.66	15.45	16.4	0.0	
Channel				648334	650000	653668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	15.49	15.63	15.43	16.4	0.0	
Channel				648000	650000	654000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	15.46	15.61	15.43	16.4	0.0	
Channel				647668	650000	654334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	15.51	15.55	15.49	16.4	0.0	
Channel				647334	650000	654668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	15.50	15.59	15.40	16.4	0.0	

Part270 n78 PC2 Ant3 DS17									
BW [MHz]	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	3840	3930			
100	PI/2 BPSK	1	1	15.56					
100	PI/2 BPSK	1	137	15.58			16.4	0.0	
100	PI/2 BPSK	1	271	15.59					
100	PI/2 BPSK	135	0	15.52			16.4	0.0	
100	PI/2 BPSK	135	69	15.55			16.4	0.0	
100	PI/2 BPSK	135	138	15.57					
100	PI/2 BPSK	270	0	15.21			16.4	0.0	
100	QPSK	1	1	15.71					
100	QPSK	1	137	15.55			16.4	0.0	
100	QPSK	1	271	15.67					
100	QPSK	135	0	15.58			16.4	0.0	
100	QPSK	135	69	15.57			16.4	0.0	
100	QPSK	135	138	15.51					
100	QPSK	270	0	15.52			16.4	0.0	
100	16QAM	1	1	14.68			16.4	0.0	
100	64QAM	1	1	14.60			16.4	0.0	
100	256QAM	1	1	14.61			16.4	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	15.47	15.51	15.45	16.4	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	15.41	15.41	15.43	16.4	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	15.37	15.49	15.45	16.4	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	15.48	15.49	15.41	16.4	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	15.44	15.50	15.37	16.4	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	15.37	15.44	15.40	16.4	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	15.47	15.47	15.45	16.4	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	15.38	15.49	15.37	16.4	0.0	



Part270 n77 PC2&PC3 Ant5 DSI7									
BW [MHz]	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	3840	3930			
100	PI/2 BPSK	1	1	19.12	19.18	19.21			
100	PI/2 BPSK	1	137	19.12	19.14	19.05	20.3	0.0	
100	PI/2 BPSK	1	271	18.96	19.17	19.00			
100	PI/2 BPSK	135	0	18.85	19.06	18.90	20.3	0.0	
100	PI/2 BPSK	135	69	19.09	19.17	19.15	20.3	0.0	
100	PI/2 BPSK	135	138	18.96	19.14	19.07			
100	PI/2 BPSK	270	0	18.76	18.85	18.81	20.3	0.0	
100	QPSK	1	1	19.19	19.38	19.25			
100	QPSK	1	137	19.08	19.24	19.10	20.3	0.0	
100	QPSK	1	271	19.13	19.18	19.07			
100	QPSK	135	0	19.10	19.11	19.06	20.3	0.0	
100	QPSK	135	69	19.10	19.21	19.16	20.3	0.0	
100	QPSK	135	138	19.12	19.13	19.09			
100	QPSK	270	0	19.02	19.13	19.11	20.3	0.0	
100	16QAM	1	1	19.09	19.10	19.05	20.3	0.0	
100	64QAM	1	1	18.23	18.31	18.20	19.0	1.3	
100	256QAM	1	1	16.17	16.21	16.11	17.0	3.3	
Channel				648668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	19.04	19.24	19.12	15.45	16.8	0.0
Channel				649334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	19.14	19.26	19.19	20.3	0.0	
Channel				649200	650000	653300	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	19.11	19.31	19.13	20.3	0.0	
Channel				648668	650000	653334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	19.07	19.31	19.18	20.3	0.0	
Channel				648334	650000	653968	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	19.09	19.29	19.19	20.3	0.0	
Channel				648000	650000	654000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	19.09	19.21	19.19	20.3	0.0	
Channel				647668	650000	654334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	19.15	19.30	19.10	20.3	0.0	
Channel				647334	650000	654668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	19.07	19.24	19.14	20.3	0.0	

Part270 n78 PC2&PC3 Ant5 DSI7									
BW [MHz]	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	3840	3930			
100	PI/2 BPSK	1	1		15.58				
100	PI/2 BPSK	1	137		15.48		16.8	0.0	
100	PI/2 BPSK	1	271		15.43				
100	PI/2 BPSK	135	0		15.42		16.8	0.0	
100	PI/2 BPSK	135	69		15.54		16.8	0.0	
100	PI/2 BPSK	135	138		15.49		16.8	0.0	
100	PI/2 BPSK	270	0		15.26				
100	QPSK	1	1		15.62				
100	QPSK	1	137		15.51		16.8	0.0	
100	QPSK	1	271		15.48				
100	QPSK	135	0		15.43		16.8	0.0	
100	QPSK	135	69		15.56		16.8	0.0	
100	QPSK	135	138		15.48		16.8	0.0	
100	QPSK	270	0		15.38				
100	16QAM	1	1		15.14		16.8	0.0	
100	64QAM	1	1		15.01		16.8	0.0	
100	256QAM	1	1		15.05		16.8	0.0	
Channel				648668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	15.42	15.52	15.45	16.8	0.0	
Channel				649334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	15.47	15.47	15.42	16.8	0.0	
Channel				649200	650000	653300	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	15.42	15.53	15.42	16.8	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	15.51	15.46	15.43	16.8	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	15.49	15.48	15.40	16.8	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	15.40	15.48	15.41	16.8	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	15.47	15.49	15.42	16.8	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	15.47	15.54	15.38	16.8	0.0	



Part270 n77 PC2&PC3 Ant7 DSI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	66000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.16	19.24	19.22			
100	PI/2 BPSK	1	137	19.12	19.20	19.11			
100	PI/2 BPSK	1	271	19.03	19.13	19.11	20.6	0.0	
100	PI/2 BPSK	135	0	18.93	19.11	18.94	20.6	0.0	
100	PI/2 BPSK	135	69	19.10	19.25	19.21	20.6	0.0	
100	PI/2 BPSK	135	138	19.09	19.18	19.07			
100	PI/2 BPSK	270	0	18.75	18.90	18.88	20.6	0.0	
100	QPSK	1	1	19.24	19.35	19.26			
100	QPSK	1	137	19.10	19.25	19.20	20.6	0.0	
100	QPSK	1	271	19.15	19.20	19.09			
100	QPSK	135	0	19.14	19.20	19.04	20.6	0.0	
100	QPSK	135	69	19.13	19.27	19.24	20.6	0.0	
100	QPSK	135	138	19.17	19.12	19.21			
100	QPSK	270	0	19.10	19.15	19.12	20.6	0.0	
100	16QAM	1	1	19.08	19.04	19.02	20.6	0.0	
100	64QAM	1	1	18.29	18.40	18.34	19.5	1.1	
100	256QAM	1	1	16.36	16.45	16.33	17.5	3.1	
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.09	19.30	19.18	20.6	0.0	
Channel				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.19	19.26	19.20	20.6	0.0	
Channel				64900	65000	65000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.19	19.25	19.20	20.6	0.0	
Channel				64868	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.19	19.21	19.20	20.6	0.0	
Channel				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.17	19.27	19.17	20.6	0.0	
Channel				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.12	19.29	19.21	20.6	0.0	
Channel				64768	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.16	19.24	19.16	20.6	0.0	
Channel				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.11	19.22	19.23	20.6	0.0	

Part270 n78 PC2&PC3 Ant7 DSI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	18.79					
100	PI/2 BPSK	1	137	18.73					
100	PI/2 BPSK	1	271	18.73			19.7	0.0	
100	PI/2 BPSK	135	0	18.66			19.7	0.0	
100	PI/2 BPSK	135	69	18.76			19.7	0.0	
100	PI/2 BPSK	135	138	18.74					
100	PI/2 BPSK	270	0	18.53			19.7	0.0	
100	QPSK	1	1	18.89					
100	QPSK	1	137	18.86			19.7	0.0	
100	QPSK	1	271	18.81					
100	QPSK	135	0	18.81			19.7	0.0	
100	QPSK	135	69	18.77			19.7	0.0	
100	QPSK	135	138	18.66					
100	QPSK	270	0	18.76			19.7	0.0	
100	16QAM	1	1	17.90			19.7	0.0	
100	64QAM	1	1	17.85			19.7	0.0	
100	256QAM	1	1	17.80			19.5	0.2	
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	18.82	18.82	18.83	19.7	0.0	
Channel				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	18.73	18.82	18.80	19.7	0.0	
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.77	18.80	18.67	19.7	0.0	
Channel				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	18.80	18.75	18.60	19.7	0.0	
Channel				64834	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	18.82	18.84	18.70	19.7	0.0	
Channel				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.82	18.76	18.83	19.7	0.0	
Channel				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	18.70	18.79	18.61	19.7	0.0	
Channel				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	18.76	18.74	18.62	19.7	0.0	



Part270 n77 Ant8 DS17							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	650000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.02	20.09	20.04	
100	PI/2 BPSK	1	137	20.01	20.06	19.97	
100	PI/2 BPSK	1	271	19.85	19.99	19.95	
100	PI/2 BPSK	135	0	19.57	19.72	19.54	20.5
100	PI/2 BPSK	135	69	19.95	20.10	20.01	21.0
100	PI/2 BPSK	135	138	19.59	19.65	19.59	
100	PI/2 BPSK	270	0	19.65	19.80	19.69	20.5
100	QPSK	1	1	20.08	20.18	20.03	
100	QPSK	1	137	19.96	20.15	20.06	
100	QPSK	1	271	20.01	20.11	20.00	
100	QPSK	135	0	19.13	19.19	19.08	20.0
100	QPSK	135	69	20.02	20.05	20.05	21.0
100	QPSK	135	138	19.03	19.14	19.05	
100	QPSK	270	0	19.11	19.26	19.14	20.0
100	16QAM	1	1	19.02	19.10	18.95	20.0
100	64QAM	1	1	17.44	17.43	17.42	18.5
100	256QAM	1	1	15.40	15.42	15.31	16.5
Channel				648668	650000	662334	
Frequency (MHz)				3745.02	3840	3935.01	
90	QPSK	1	1	19.93	20.11	19.99	21.0
Channel				649334	650000	662668	
Frequency (MHz)				3740.01	3840	3940.02	
80	QPSK	1	1	19.99	20.12	19.98	21.0
Channel				649000	650000	663000	
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	20.00	20.04	20.02	21.0
Channel				648668	650000	663334	
Frequency (MHz)				3730.02	3840	3950.01	
60	QPSK	1	1	19.97	20.09	20.00	21.0
Channel				648334	650000	663668	
Frequency (MHz)				3725.01	3840	3955.02	
50	QPSK	1	1	19.98	20.04	19.97	21.0
Channel				648000	650000	664000	
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	19.98	20.10	19.96	21.0
Channel				647668	650000	664334	
Frequency (MHz)				3715.02	3840	3965.01	
30	QPSK	1	1	20.01	20.05	19.96	21.0
Channel				647334	650000	664668	
Frequency (MHz)				3710.01	3840	3970.02	
20	QPSK	1	1	20.02	20.05	20.01	21.0

Part270 n77 PC2 Ant8 DS17							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	650000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.61	20.74	20.69	
100	PI/2 BPSK	1	137	20.61	20.69	20.58	
100	PI/2 BPSK	1	271	20.49	20.61	20.49	
100	PI/2 BPSK	135	0	20.14	20.30	20.09	21.0
100	PI/2 BPSK	135	69	20.56	20.71	20.57	21.5
100	PI/2 BPSK	135	138	20.16	20.30	20.24	
100	PI/2 BPSK	270	0	20.25	20.39	20.32	21.0
100	QPSK	1	1	20.74	20.83	20.70	
100	QPSK	1	137	20.57	20.77	20.67	
100	QPSK	1	271	20.58	20.68	20.52	
100	QPSK	135	0	19.73	19.72	19.65	20.5
100	QPSK	135	69	20.62	20.71	20.67	21.5
100	QPSK	135	138	19.65	19.78	19.63	
100	QPSK	270	0	19.77	19.86	19.75	20.5
100	16QAM	1	1	19.57	19.64	19.59	20.5
100	64QAM	1	1	17.96	18.12	18.02	19.0
100	256QAM	1	1	15.93	16.04	15.90	17.0
Channel				648668	650000	662334	
Frequency (MHz)				3745.02	3840	3935.01	
90	QPSK	1	1	20.61	20.77	20.60	21.5
Channel				649334	650000	662668	
Frequency (MHz)				3740.01	3840	3940.02	
80	QPSK	1	1	20.68	20.74	20.61	21.5
Channel				649000	650000	663000	
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	20.60	20.70	20.61	21.5
Channel				648668	650000	663334	
Frequency (MHz)				3730.02	3840	3950.01	
60	QPSK	1	1	20.62	20.71	20.62	21.5
Channel				648334	650000	663668	
Frequency (MHz)				3725.01	3840	3955.02	
50	QPSK	1	1	20.59	20.78	20.56	21.5
Channel				648000	650000	664000	
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	20.61	20.76	20.62	21.5
Channel				647668	650000	664334	
Frequency (MHz)				3715.02	3840	3965.01	
30	QPSK	1	1	20.64	20.73	20.59	21.5
Channel				647334	650000	664668	
Frequency (MHz)				3710.01	3840	3970.02	
20	QPSK	1	1	20.59	20.76	20.55	21.5



Part270 n78 Ant8 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1	20.28			21.0	0.0	
100	Pi/2 BPSK	1	137	20.31					
100	Pi/2 BPSK	1	271	20.19					
100	Pi/2 BPSK	135	0	19.87			20.5	0.5	
100	Pi/2 BPSK	135	69	20.24			21.0	0.0	
100	Pi/2 BPSK	135	138	19.89					
100	Pi/2 BPSK	270	0	20.02			20.5	0.5	
100	QPSK	1	1	20.38					
100	QPSK	1	137	20.35			21.0	0.0	
100	QPSK	1	271	20.34					
100	QPSK	135	0	19.38			20.0	1.0	
100	QPSK	135	69	20.29			21.0	0.0	
100	QPSK	135	138	19.41					
100	QPSK	270	0	19.45			20.0	1.0	
100	16QAM	1	1	19.30			20.0	1.0	
100	64QAM	1	1	17.66			18.5	2.5	
100	256QAM	1	1	15.61			16.5	4.5	
Channel				64968	65000	65034	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	20.24	20.29	20.18	21.0	0.0	
Channel				64934	65000	65068	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	20.26	20.27	20.14	21.0	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	20.18	20.21	20.16	21.0	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	20.17	20.27	20.17	21.0	0.0	
Channel				64834	65000	65168	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	20.17	20.30	20.13	21.0	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	20.19	20.22	20.19	21.0	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	20.25	20.25	20.17	21.0	0.0	
Channel				64734	65000	65268	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	20.24	20.26	20.18	21.0	0.0	

Part270 n78 PC2 Ant8 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1	20.87					
100	Pi/2 BPSK	1	137	20.80			22.3	0.0	
100	Pi/2 BPSK	1	271	20.78					
100	Pi/2 BPSK	135	0	20.81			22.0	0.3	
100	Pi/2 BPSK	135	69	20.89			22.3	0.0	
100	Pi/2 BPSK	135	138	20.88					
100	Pi/2 BPSK	270	0	20.93			22.0	0.3	
100	QPSK	1	1	21.08					
100	QPSK	1	137	20.85			22.3	0.0	
100	QPSK	1	271	20.92					
100	QPSK	135	0	20.81			21.5	0.8	
100	QPSK	135	69	20.88			22.3	0.0	
100	QPSK	135	138	20.81					
100	QPSK	270	0	20.69			21.5	0.8	
100	16QAM	1	1	20.82			21.5	0.8	
100	64QAM	1	1	19.20			20.0	2.3	
100	256QAM	1	1	17.17			18.0	4.8	
Channel				64988	65000	65034	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	20.73	20.86	20.74	22.3	0.0	
Channel				64934	65000	65068	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	20.73	20.94	20.78	22.3	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	20.66	20.85	20.80	22.3	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	20.73	20.89	20.81	22.3	0.0	
Channel				64834	65000	65168	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	20.75	20.86	20.70	22.3	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	20.75	20.84	20.74	22.3	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	20.71	20.94	20.74	22.3	0.0	
Channel				64734	65000	65268	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	20.67	20.86	20.74	22.3	0.0	



WLAN/Bluetooth Power

2.4GHz WLAN			Ant 6 Full power&Body worn Standalone Extremity Standalone		Ant 6 Head Standalone		Ant 6 Hotspot 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	
802.11b 1Mbps	1	2412	18.62	20.00	18.23	19.50	16.68	18.00	98.65
	6	2437	18.36	20.00	18.19	19.50	16.43	18.00	
	11	2462	18.67	20.00	18.10	19.50	16.71	18.00	
802.11g 6Mbps	1	2412	18.16	19.50	18.22	19.50		18.00	98.28
	6	2437	18.87	20.00	18.33	19.50		18.00	
	11	2462	18.96	20.00	18.36	19.50		18.00	
802.11n-HT20 MCS0	1	2412	16.56	18.00		18.00		18.00	98.15
	6	2437	18.31	20.00		19.50		18.00	
	11	2462	18.67	20.00		19.50		18.00	
802.11n-HT40 MCS0	3	2422	14.80	16.50		16.50		16.50	94.93
	6	2437	17.13	19.00		19.00		18.00	
	9	2452	15.85	17.50		17.50		17.50	

5.2GHz WLAN			Ant 5 Full power&Extremity Standalone		Ant 5 Head Standalone		Ant 5 Body worn Standalone		Ant 5 Extremity Standalone		Ant 5 Hotspot 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	
802.11a 6Mbps	36	5180	18.20	20.00		17.00		16.00		18.50		10.00	98.28
	40	5200	18.68	20.50		17.00		16.00		18.50		10.00	
	44	5220	18.72	20.50		17.00		16.00		18.50		10.00	
	48	5240	18.52	20.50		17.00		16.00		18.50		10.00	
802.11n-HT20 MCS0	36	5180	16.03	19.50		17.00		16.00		18.50		10.00	98.16
	40	5200	18.52	20.00		17.00		16.00		18.50		10.00	
	44	5220	18.53	20.00		17.00		16.00		18.50		10.00	
	48	5240	18.37	20.00		17.00		16.00		18.50		10.00	
802.11n-HT40 MCS0	38	5190	14.33	15.50	14.25	15.50	14.26	15.50	14.26	15.50		10.00	96.32
	46	5230	17.38	19.00	15.51	17.00	14.45	16.00	16.90	15.50		10.00	
802.11ac-VHT20 MCS0	36	5180	18.05	19.50		17.00		16.00		18.50		10.00	98.16
	40	5200	18.52	20.00		17.00		16.00		18.50		10.00	
	44	5220	18.52	20.00		17.00		16.00		18.50		10.00	
	48	5240	18.39	20.00		17.00		16.00		18.50		10.00	
802.11ac-VHT40 MCS0	38	5190	14.36	15.50		15.50		15.50		15.50		10.00	96.32
	46	5230	17.52	19.00		17.00		16.00		18.50		10.00	
802.11ac-VHT80 MCS0	42	5210	13.43	15.00		15.00		15.00		15.00	8.53	10.00	92.24

5.3GHz WLAN			Ant 5 Full power&Extremity Standalone		Ant 5 Head Standalone		Ant 5 Body worn Standalone		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	18.67	20.50		17.00		16.00	98.28
	56	5280	18.73	20.50		17.00		16.00	
	60	5300	18.81	20.50		17.00		16.00	
	64	5320	18.76	20.50		17.00		16.00	
802.11n-HT20 MCS0	52	5260	18.44	20.00		17.00		16.00	98.16
	56	5280	18.54	20.00		17.00		16.00	
	60	5300	18.73	20.00		17.00		16.00	
	64	5320	18.60	20.00		17.00		16.00	
802.11n-HT40 MCS0	54	5270	17.39	19.00	15.47	17.00	14.53	16.00	96.32
	62	5310	16.31	18.00	15.43	17.00	14.40	16.00	
802.11ac-VHT20 MCS0	52	5260	18.54	20.00		17.00		16.00	98.16
	56	5280	18.53	20.00		17.00		16.00	
	60	5300	18.71	20.00		17.00		16.00	
	64	5320	18.70	20.00		17.00		16.00	
802.11ac-VHT40 MCS0	54	5270	17.46	19.00		17.00		16.00	96.32
	62	5310	16.47	18.00		17.00		16.00	
802.11ac-VHT80 MCS0	58	5290	13.38	15.00		15.00		15.00	92.24

5.5GHz WLAN			Ant 5 Full power		Ant 5 Head&Extremity Standalone		Ant 5 Body worn Standalone		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	18.79	20.50		19.50		18.50	98.28
	116	5580	18.73	20.50		19.50		18.50	
	124	5620	18.56	20.50		19.50		18.50	
	132	5660	18.59	20.50		19.50		18.50	
	140	5700	18.15	20.00		19.50		18.50	
	144	5720	18.52	20.50		19.50		18.50	
802.11n-HT20 MCS0	100	5500	18.72	20.00		19.50		18.50	98.16
	116	5580	18.53	20.00		19.50		18.50	
	124	5620	18.36	20.00		19.50		18.50	
	132	5660	18.32	20.00		19.50		18.50	
	140	5700	18.00	19.50		19.50		18.50	
	144	5720	18.32	20.00		19.50		18.50	
802.11n-HT40 MCS0	102	5510	17.68	19.50	17.65	19.50	16.71	18.50	96.32
	110	5550	17.62	19.50	17.60	19.50	16.62	18.50	
	126	5630	17.36	19.00	17.37	19.00	16.52	18.50	
	134	5670	17.36	19.00	17.43	19.00	16.50	18.50	
802.11ac-VHT20 MCS0	100	5500	18.76	20.00		19.50		18.50	98.16
	116	5580	18.58	20.00		19.50		18.50	
	124	5620	18.51	20.00		19.50		18.50	
	132	5660	18.38	20.00		19.50		18.50	
802.11ac-VHT40 MCS0	102	5510	17.64	19.50		19.50		18.50	96.32
	110	5550	17.82	19.50		19.50		18.50	
	126	5630	17.51	19.50		19.50		18.50	
	134	5670	17.55	19.50		19.50		18.50	
802.11ac-VHT80 MCS0	106	5530	16.51	18.00		18.00		18.00	92.24
	122	5610	16.43	18.00		18.00		18.00	
	138	5690	16.49	18.00		18.00		18.00	

5.8GHz WLAN			Ant 5 Full power		Ant 5 Head&Body worn Standalone		Ant 5 Extremity Standalone		Ant 5 Hotspot 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	
802.11a 6Mbps	149	5745	18.51	20.00		18.50		18.00		12.00	98.28
	157	5785	18.58	20.00		18.50		18.00		12.00	
	165	5825	18.45	20.00		18.50		18.00		12.00	
802.11n-HT20 MCS0	149	5745	18.35	20.00		18.50		18.00		12.00	98.16
	157	5785	18.39	20.00		18.50		18.00		12.00	
	165	5825	18.32	20.00		18.50		18.00		12.00	
802.11n-HT40 MCS0	151	5755	17.40	19.00	16.97	18.50		18.00		12.00	96.32
	159	5795	17.52	19.00	16.98	18.50		18.00		12.00	
802.11ac-VHT20 MCS0	149	5745	18.34	20.00		18.50		18.00		12.00	98.16
	157	5785	18.35	20.00		18.50		18.00		12.00	
	165	5825	18.39	20.00		18.50		18.00		12.00	
802.11ac-VHT40 MCS0	151	5755	17.48	19.00		18.50		18.00		12.00	96.32
	159	5795	17.55	19.00		18.50		18.00		12.00	
802.11ac-VHT80 MCS0	155	5775	16.49	18.00		18.00	16.43	18.00	10.56	12.00	92.24

**BT BR/EDR****Ant 6 Full power**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.13	10.00	9.92
	CH 39	2441	14.08	9.81	9.60
	CH 78	2480	14.43	10.16	10.43
Tune-up Limit			16	11.5	11.5