



n41 PC2&PC3 Ant6 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	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.99	19.17	18.96	20.3	0.0
100	PI/2 BPSK	1	137	18.89	19.05	18.88		
100	PI/2 BPSK	1	271	18.89	19.07	18.99		
100	PI/2 BPSK	135	0	19.02	19.13	19.04	20.3	0.0
100	PI/2 BPSK	135	69	19.05	19.12	19.00	20.3	0.0
100	PI/2 BPSK	135	138	18.93	19.11	18.88	20.3	0.0
100	PI/2 BPSK	270	0	18.91	19.02	19.04		
100	QPSK	1	1	19.08	19.22	19.06	20.3	0.0
100	QPSK	1	137	18.95	19.14	18.96		
100	QPSK	1	271	18.93	19.10	19.06		
100	QPSK	135	0	19.01	19.13	18.96	20.3	0.0
100	QPSK	135	69	19.02	19.17	18.98	20.3	0.0
100	QPSK	135	138	18.88	19.07	18.90	20.3	0.0
100	QPSK	270	0	18.87	19.08	19.01		
100	16QAM	1	1	19.01	19.18	18.99	20.3	0.0
100	64QAM	1	1	18.87	19.12	18.92	20.3	0.0
100	256QAM	1	1	18.89	19.07	19.01	20.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.00	19.13	18.99	20.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.03	19.16	18.99	20.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.00	19.17	18.98	20.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.01	19.13	19.02	20.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.06	19.19	18.96	20.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.03	19.20	19.01	20.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.01	19.13	19.00	20.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.05	19.17	18.97	20.3	0.0



Part270 n77 PC2&PC3 Ant6 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.28	19.47	19.22	20.1	0.0
100	PI/2 BPSK	1	137	19.35	19.41	19.37		
100	PI/2 BPSK	1	271	19.27	19.27	19.25		
100	PI/2 BPSK	135	0	19.31	19.50	19.28	20.1	0.0
100	PI/2 BPSK	135	69	19.27	19.49	19.27	20.1	0.0
100	PI/2 BPSK	135	138	19.34	19.39	19.33	20.1	0.0
100	PI/2 BPSK	270	0	19.27	19.32	19.19		
100	QPSK	1	1	19.35	19.55	19.32	20.1	0.0
100	QPSK	1	137	19.41	19.47	19.41		
100	QPSK	1	271	19.35	19.37	19.29		
100	QPSK	135	0	19.29	19.46	19.28	20.1	0.0
100	QPSK	135	69	19.32	19.53	19.24	20.1	0.0
100	QPSK	135	138	19.37	19.42	19.37	20.1	0.0
100	QPSK	270	0	19.29	19.30	19.24		
100	16QAM	1	1	19.28	19.52	19.23	20.1	0.0
100	64QAM	1	1	19.32	19.44	19.34	20.1	0.0
100	256QAM	1	1	19.26	19.35	19.25	20.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.27	19.46	19.24	20.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.32	19.48	19.24	20.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.32	19.52	19.26	20.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.32	19.47	19.29	20.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.31	19.53	19.28	20.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.26	19.53	19.30	20.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.31	19.50	19.22	20.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.29	19.48	19.23	20.1	0.0



Part27Q n77 PC2&PC3 Ant6 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.53		20.1	0.0
100	PI/2 BPSK	1	137		19.32			
100	PI/2 BPSK	1	271		19.33			
100	PI/2 BPSK	135	0		19.37		20.1	0.0
100	PI/2 BPSK	135	69		19.51		20.1	0.0
100	PI/2 BPSK	135	138		19.40		20.1	0.0
100	PI/2 BPSK	270	0		19.42			
100	QPSK	1	1		19.62		20.1	0.0
100	QPSK	1	137		19.41			
100	QPSK	1	271		19.41			
100	QPSK	135	0		19.45		20.1	0.0
100	QPSK	135	69		19.54		20.1	0.0
100	QPSK	135	138		19.48		20.1	0.0
100	QPSK	270	0		19.44			
100	16QAM	1	1		19.55		20.1	0.0
100	64QAM	1	1		19.36		20.1	0.0
100	256QAM	1	1		19.32		20.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.53	19.57	19.58	20.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.57	19.52	19.60	20.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.56	19.54	19.60	20.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.60	19.54	19.53	20.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.53	19.54	19.58	20.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.58	19.54	19.55	20.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.59	19.55	19.56	20.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.53	19.57	19.59	20.1	0.0



Part270 n78 PC2&PC3 Ant6 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		19.41		20.1	0.0
100	PI/2 BPSK	1	137		19.33			
100	PI/2 BPSK	1	271		19.20			
100	PI/2 BPSK	135	0		19.42		20.1	0.0
100	PI/2 BPSK	135	69		19.40		20.1	0.0
100	PI/2 BPSK	135	138		19.31		18.6	1.5
100	PI/2 BPSK	270	0		19.29			
100	QPSK	1	1		19.52		20.1	0.0
100	QPSK	1	137		19.39			
100	QPSK	1	271		19.30			
100	QPSK	135	0		19.37		20.1	0.0
100	QPSK	135	69		19.44		20.1	0.0
100	QPSK	135	138		19.34		20.1	0.0
100	QPSK	270	0		19.21			
100	16QAM	1	1		19.50		18.1	2.0
100	64QAM	1	1		19.40		17.1	3.0
100	256QAM	1	1		19.27		20.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.50	19.44	19.48	20.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.46	19.46	19.47	20.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.46	19.43	19.45	20.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.48	19.49	19.43	20.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.42	19.48	19.50	20.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.44	19.46	19.43	20.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.49	19.44	19.44	20.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.47	19.47	19.42	20.1	0.0



Part27Q n78 PC2&PC3 Ant6 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.46		20.1	0.0
100	PI/2 BPSK	1	137		19.26			
100	PI/2 BPSK	1	271		19.27			
100	PI/2 BPSK	135	0		19.28		20.1	0.0
100	PI/2 BPSK	135	69		19.42		20.1	0.0
100	PI/2 BPSK	135	138		19.33		18.1	2.0
100	PI/2 BPSK	270	0		19.35			
100	QPSK	1	1		19.52		20.1	0.0
100	QPSK	1	137		19.33			
100	QPSK	1	271		19.39			
100	QPSK	135	0		19.39		20.1	0.0
100	QPSK	135	69		19.47		20.1	0.0
100	QPSK	135	138		19.45		20.1	0.0
100	QPSK	270	0		19.39			
100	16QAM	1	1		19.51		18.6	1.5
100	64QAM	1	1		19.33		17.1	3.0
100	256QAM	1	1		19.23		15.1	5.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.42	19.45	19.46	20.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.46	19.43	19.50	20.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.48	19.43	19.42	20.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.46	19.48	19.45	20.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.45	19.44	19.49	20.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.44	19.47	19.47	20.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.45	19.45	19.44	20.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.42	19.45	19.50	20.1	0.0



Part96 n77 PC3 Ant6 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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.85	18.96	18.90	20.1	0.0
100	PI/2 BPSK	1	137	18.53	18.56	18.58		
100	PI/2 BPSK	1	271	18.50	18.46	18.44		
100	PI/2 BPSK	135	0	18.88	18.91	18.88	20.1	0.0
100	PI/2 BPSK	135	69	18.86	18.92	18.93	20.1	0.0
100	PI/2 BPSK	135	138	18.56	18.55	18.54	20.1	0.0
100	PI/2 BPSK	270	0	18.50	18.49	18.48		
100	QPSK	1	1	18.96	19.01	18.98	20.1	0.0
100	QPSK	1	137	18.63	18.61	18.64		
100	QPSK	1	271	18.59	18.57	18.53		
100	QPSK	135	0	18.89	18.88	18.94	20.1	0.0
100	QPSK	135	69	18.86	18.95	18.89	20.1	0.0
100	QPSK	135	138	18.57	18.53	18.59	20.1	0.0
100	QPSK	270	0	18.78	18.88	18.72		
100	16QAM	1	1	18.86	18.90	18.88	20.1	0.0
100	64QAM	1	1	18.56	18.53	18.53	20.1	0.0
100	256QAM	1	1	18.54	18.51	18.47	20.1	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.89	18.90	18.93	20.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.88	18.95	18.91	20.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.89	18.93	18.93	20.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.91	18.97	18.89	20.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.89	18.95	18.86	20.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	18.89	18.90	18.92	20.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.88	18.94	18.90	20.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.90	18.91	18.90	20.1	0.0



Part96 n78 PC3 Ant6 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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.75	18.90	18.85	20.1	0.0
100	PI/2 BPSK	1	137	18.45	18.50	18.52		
100	PI/2 BPSK	1	271	18.40	18.36	18.39		
100	PI/2 BPSK	135	0	18.77	18.81	18.77	20.1	0.0
100	PI/2 BPSK	135	69	18.78	18.82	18.82	20.1	0.0
100	PI/2 BPSK	135	138	18.48	18.46	18.49	20.1	0.0
100	PI/2 BPSK	270	0	18.41	18.38	18.43		
100	QPSK	1	1	18.84	18.91	18.86	20.1	0.0
100	QPSK	1	137	18.54	18.50	18.54		
100	QPSK	1	271	18.53	18.50	18.41		
100	QPSK	135	0	18.85	18.80	18.83	20.1	0.0
100	QPSK	135	69	18.75	18.87	18.84	20.1	0.0
100	QPSK	135	138	18.52	18.46	18.48	20.1	0.0
100	QPSK	270	0	18.71	18.78	18.61		
100	16QAM	1	1	18.78	18.82	18.78	20.1	0.0
100	64QAM	1	1	18.51	18.43	18.42	20.1	0.0
100	256QAM	1	1	18.45	18.47	18.40	20.1	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.86	18.84	18.84	20.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.86	18.85	18.83	20.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.85	18.80	18.85	20.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.84	18.82	18.87	20.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.81	18.81	18.80	20.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	18.82	18.86	18.82	20.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.81	18.82	18.82	20.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.85	18.79	18.80	20.1	0.0



Reduced Power Mode for DSI 4

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	23.6	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.00	22.17	22.04		
20	PI/2 BPSK	1	53	22.01	21.98	22.13	23.6	0.0
20	PI/2 BPSK	1	104	22.06	22.15	22.01		
20	PI/2 BPSK	50	0	21.98	21.92	21.98		
20	PI/2 BPSK	50	28	21.99	22.02	21.97	23.6	0.0
20	PI/2 BPSK	50	56	21.95	21.87	22.01		
20	PI/2 BPSK	100	0	21.97	21.96	21.94		
20	QPSK	1	1	22.12	22.19	22.16	23.6	0.0
20	QPSK	1	53	22.10	22.06	22.17		
20	QPSK	1	104	22.18	22.15	22.14		
20	QPSK	50	0	22.00	22.05	22.04	23.6	0.0
20	QPSK	50	28	22.03	22.12	22.09		
20	QPSK	50	56	22.00	21.96	22.10		
20	QPSK	100	0	22.07	22.10	22.02	23.6	0.0
20	16QAM	1	1	22.01	22.14	22.06		
20	64QAM	1	1	20.77	20.88	20.83		
20	256QAM	1	1	18.96	18.99	18.84	20.5	3.1
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.09	22.09	22.13	23.6	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.06	22.15	22.08	23.6	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.99	22.16	22.03	23.6	0.0



n12 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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.19	23.20	23.22	24.4	0.0
15	PI/2 BPSK	1	40	23.15	23.15	23.11		
15	PI/2 BPSK	1	77	23.13	23.20	23.21		
15	PI/2 BPSK	36	0	23.18	23.28	23.10	24.4	0.0
15	PI/2 BPSK	36	22	23.21	23.22	23.27	24.4	0.0
15	PI/2 BPSK	36	43	23.12	23.18	23.03	24.4	0.0
15	PI/2 BPSK	75	0	23.10	23.21	23.09		
15	QPSK	1	1	23.27	23.29	23.22	24.4	0.0
15	QPSK	1	40	23.07	23.23	23.16		
15	QPSK	1	77	23.22	23.22	23.25		
15	QPSK	36	0	22.82	22.87	22.80	24.0	0.4
15	QPSK	36	22	23.06	23.15	23.11	24.4	0.0
15	QPSK	36	43	22.75	22.78	22.65	24.0	0.4
15	QPSK	75	0	22.68	22.75	22.69		
15	16QAM	1	1	22.75	22.91	22.82	24.0	0.4
15	64QAM	1	1	20.93	20.96	20.92	22.5	1.9
	256QAM	1	1	19.02	19.13	18.96	20.5	3.9
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.20	23.18	23.23	24.4	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.21	23.21	23.26	24.4	0.0



n13 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					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		23.22		24.4	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.02			
10	PI/2 BPSK	25	0		23.18		24.4	0.0
10	PI/2 BPSK	25	14		23.19		24.4	0.0
10	PI/2 BPSK	25	27		23.14		24.4	0.0
10	PI/2 BPSK	50	0		23.15			
10	QPSK	1	1		23.26		24.4	0.0
10	QPSK	1	26		23.19			
10	QPSK	1	50		23.07			
10	QPSK	25	0		22.59		24.0	0.4
10	QPSK	25	14		23.08		24.4	0.0
10	QPSK	25	27		22.64		24.0	0.4
10	QPSK	50	0		22.62			
10	16QAM	1	1		22.79		24.0	0.4
10	64QAM	1	1		20.88		22.5	1.9
10	256QAM	1	1		18.97		20.5	3.9
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.22	23.22	23.17	24.4	0.0



n14 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					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.11		24.4	0.0
10	PI/2 BPSK	1	26		23.05			
10	PI/2 BPSK	1	50		23.15			
10	PI/2 BPSK	25	0		22.75		24.4	0.0
10	PI/2 BPSK	25	14		23.15		24.4	0.0
10	PI/2 BPSK	25	27		22.69		24.4	0.0
10	PI/2 BPSK	50	0		22.70			
10	QPSK	1	1		23.16		24.4	0.0
10	QPSK	1	26		23.15			
10	QPSK	1	50		23.09			
10	QPSK	25	0		22.60		24.0	0.4
10	QPSK	25	14		23.02		24.4	0.0
10	QPSK	25	27		22.61		24.0	0.4
10	QPSK	50	0		22.53			
10	16QAM	1	1		22.68		24.0	0.4
10	64QAM	1	1		20.80		22.5	1.9
10	256QAM	1	1		18.97		20.5	3.9
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.14	23.01	23.11	24.4	0.0



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		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.94	22.18	21.95	23.6	0.0
20	PI/2 BPSK	1	53	21.96	22.02	21.88		
20	PI/2 BPSK	1	104	21.94	22.03	21.93		
20	PI/2 BPSK	50	0	21.94	22.12	21.96	23.6	0.0
20	PI/2 BPSK	50	28	21.95	22.15	22.01	23.6	0.0
20	PI/2 BPSK	50	56	21.92	21.99	21.92	23.6	0.0
20	PI/2 BPSK	100	0	21.96	22.06	21.81		
20	QPSK	1	1	22.07	22.23	22.05	23.6	0.0
20	QPSK	1	53	21.96	22.07	21.87		
20	QPSK	1	104	21.95	22.05	21.88		
20	QPSK	50	0	21.94	22.19	21.98	23.6	0.0
20	QPSK	50	28	21.98	22.21	21.92	23.6	0.0
20	QPSK	50	56	21.95	22.20	21.99	23.6	0.0
20	QPSK	100	0	22.01	22.18	21.97		
20	16QAM	1	1	21.93	22.11	21.97	23.6	0.0
20	64QAM	1	1	20.76	20.86	20.79	22.5	1.1
20	256QAM	1	1	18.86	19.00	18.97	20.5	3.1
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.03	22.13	21.92	23.6	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.02	22.18	22.03	23.6	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.98	22.12	21.92	23.6	0.0



n71 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.47	22.59	22.51	24.0	0.0
20	PI/2 BPSK	1	53	22.52	22.57	22.45		
20	PI/2 BPSK	1	104	22.41	22.58	22.56		
20	PI/2 BPSK	50	0	22.07	22.13	22.01	23.5	0.5
20	PI/2 BPSK	50	28	22.38	22.51	22.46	24.0	0.0
20	PI/2 BPSK	50	56	21.95	22.03	21.99	23.5	0.5
20	PI/2 BPSK	100	0	21.93	22.06	22.02		
20	QPSK	1	1	22.60	22.65	22.61	24.0	0.0
20	QPSK	1	53	22.40	22.57	22.50		
20	QPSK	1	104	22.48	22.62	22.58		
20	QPSK	50	0	21.47	21.55	21.48	23.0	1.0
20	QPSK	50	28	22.36	22.48	22.34	24.0	0.0
20	QPSK	50	56	21.44	21.57	21.40	23.0	1.0
20	QPSK	100	0	21.36	21.47	21.37		
20	16QAM	1	1	21.62	21.65	21.58	23.0	1.0
20	64QAM	1	1	19.65	19.79	19.70	21.5	2.5
20	256QAM	1	1	17.62	17.76	17.66	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.57	22.55	22.45	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.53	22.57	22.58	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.48	22.53	22.59	24.0	0.0



n41 PC2 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				509202	518598	528000	20.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.65	19.58	19.54		
100	PI/2 BPSK	1	137	19.45	19.54	19.38	20.5	0.0
100	PI/2 BPSK	1	271	19.46	19.54	19.34		
100	PI/2 BPSK	135	0	19.64	19.61	19.43		
100	PI/2 BPSK	135	69	19.41	19.48	19.41	20.5	0.0
100	PI/2 BPSK	135	138	19.41	19.49	19.37		
100	PI/2 BPSK	270	0	19.39	19.51	19.40		
100	QPSK	1	1	19.63	19.71	19.62	20.5	0.0
100	QPSK	1	137	19.53	19.61	19.59		
100	QPSK	1	271	19.46	19.61	19.56		
100	QPSK	135	0	19.24	19.35	19.27	20.5	0.0
100	QPSK	135	69	19.51	19.62	19.48		
100	QPSK	135	138	19.31	19.42	19.31		
100	QPSK	270	0	19.26	19.40	19.29	20.5	0.0
100	16QAM	1	1	19.36	19.45	19.41		
100	64QAM	1	1	19.36	19.40	19.30		
100	256QAM	1	1	19.66	19.59	19.58	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.58	19.63	19.59	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.60	19.67	19.55	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.54	19.61	19.59	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.58	19.64	19.60	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.59	19.65	19.60	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.60	19.63	19.59	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.54	19.65	19.58	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.54	19.61	19.57	20.5	0.0



n5 Ant1 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				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.72	21.86	21.70	23.6	0.0
20	PI/2 BPSK	1	53	21.84	21.84	21.87		
20	PI/2 BPSK	1	104	21.80	21.80	21.81		
20	PI/2 BPSK	50	0	21.54	21.61	21.51	23.5	0.1
20	PI/2 BPSK	50	28	21.62	21.74	21.64	23.6	0.0
20	PI/2 BPSK	50	56	21.51	21.60	21.59	23.5	0.1
20	PI/2 BPSK	100	0	21.52	21.62	21.54		
20	QPSK	1	1	21.82	22.12	21.81	23.6	0.0
20	QPSK	1	53	21.80	21.78	21.62		
20	QPSK	1	104	21.77	21.90	21.75		
20	QPSK	50	0	21.41	21.43	21.33	23.0	0.6
20	QPSK	50	28	21.77	22.05	21.88	23.6	0.0
20	QPSK	50	56	21.26	21.36	21.24	23.0	0.6
20	QPSK	100	0	21.34	21.39	21.30		
20	16QAM	1	1	21.37	21.54	21.41	23.0	0.6
20	64QAM	1	1	19.53	19.60	19.53	21.5	2.1
20	256QAM	1	1	17.64	17.74	17.76	19.5	4.1
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.72	21.99	21.72	23.6	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.72	22.03	21.70	23.6	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.75	22.03	21.76	23.6	0.0



n12 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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.31	22.41	22.27	24.0	0.0
15	PI/2 BPSK	1	40	22.28	22.39	22.25		
15	PI/2 BPSK	1	77	22.23	22.37	22.30		
15	PI/2 BPSK	36	0	21.88	21.90	21.83	23.5	0.5
15	PI/2 BPSK	36	22	22.21	22.24	22.26	24.0	0.0
15	PI/2 BPSK	36	43	21.77	21.86	21.75	23.5	0.5
15	PI/2 BPSK	75	0	21.76	21.89	21.78		
15	QPSK	1	1	22.38	22.49	22.39	24.0	0.0
15	QPSK	1	40	22.15	22.39	22.23		
15	QPSK	1	77	22.26	22.45	22.42		
15	QPSK	36	0	21.24	21.36	21.26	23.0	1.0
15	QPSK	36	22	22.19	22.32	22.09	24.0	0.0
15	QPSK	36	43	21.18	21.41	21.14	23.0	1.0
15	QPSK	75	0	21.21	21.32	21.17		
15	16QAM	1	1	21.37	21.45	21.42	23.0	1.0
15	64QAM	1	1	19.51	19.69	19.59	21.5	2.5
	256QAM	1	1	17.57	17.68	17.58	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.28	22.41	22.29	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.33	22.41	22.34	24.0	0.0



n13 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					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		22.20		24.0	0.0
10	PI/2 BPSK	1	26		22.36			
10	PI/2 BPSK	1	50		22.37			
10	PI/2 BPSK	25	0		21.52		23.5	0.5
10	PI/2 BPSK	25	14		22.17		24.0	0.0
10	PI/2 BPSK	25	27		21.54		23.5	0.5
10	PI/2 BPSK	50	0		21.60			
10	QPSK	1	1		22.42		24.0	0.0
10	QPSK	1	26		22.25			
10	QPSK	1	50		22.25			
10	QPSK	25	0		21.34		23.0	1.0
10	QPSK	25	14		22.17		24.0	0.0
10	QPSK	25	27		21.32		23.0	1.0
10	QPSK	50	0		21.46			
10	16QAM	1	1		21.57		23.0	1.0
10	64QAM	1	1		19.67		21.5	2.5
10	256QAM	1	1		17.75		19.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	22.33	22.28	22.28	24.0	0.0



n14 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					158600		24.0	0.0
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		22.27		24.0	0.0
10	PI/2 BPSK	1	26		22.37			
10	PI/2 BPSK	1	50		22.48			
10	PI/2 BPSK	25	0		21.54		23.5	0.5
10	PI/2 BPSK	25	14		22.33		24.0	0.0
10	PI/2 BPSK	25	27		21.67		23.5	0.5
10	PI/2 BPSK	50	0		21.60			
10	QPSK	1	1		22.54		24.0	0.0
10	QPSK	1	26		22.22			
10	QPSK	1	50		22.35			
10	QPSK	25	0		21.48		23.0	1.0
10	QPSK	25	14		22.27		24.0	0.0
10	QPSK	25	27		21.40		23.0	1.0
10	QPSK	50	0		21.42			
10	16QAM	1	1		21.55		23.0	1.0
10	64QAM	1	1		19.69		21.5	2.5
10	256QAM	1	1		17.76		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	22.49	22.48	22.47	24.0	0.0



n26 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				164800	166300	167800	23.6	0.0
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.69	21.78	21.65		
20	PI/2 BPSK	1	53	21.67	21.84	21.77	23.5	0.1
20	PI/2 BPSK	1	104	21.64	21.77	21.70		
20	PI/2 BPSK	50	0	21.53	21.54	21.54		
20	PI/2 BPSK	50	28	21.66	21.68	21.62	23.5	0.0
20	PI/2 BPSK	50	56	21.55	21.69	21.56		
20	PI/2 BPSK	100	0	21.56	21.66	21.56		
20	QPSK	1	1	21.85	22.01	21.76	23.6	0.0
20	QPSK	1	53	21.65	21.75	21.71		
20	QPSK	1	104	21.63	21.69	21.63		
20	QPSK	50	0	21.34	21.33	21.22	23.0	0.6
20	QPSK	50	28	21.63	21.65	21.64		
20	QPSK	50	56	21.27	21.29	21.11		
20	QPSK	100	0	21.25	21.42	21.21	23.0	0.6
20	16QAM	1	1	21.34	21.46	21.33		
20	64QAM	1	1	19.56	19.57	19.52		
20	256QAM	1	1	17.62	17.74	17.73	19.5	4.1
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.62	21.70	21.62	23.6	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	21.62	21.66	21.65	23.6	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.66	21.73	21.62	23.6	0.0



n71 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				134600	136100	137600	24.0	0.0
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.20	22.23	22.19		
20	PI/2 BPSK	1	53	22.31	22.37	22.34	23.5	0.5
20	PI/2 BPSK	1	104	22.31	22.39	22.30		
20	PI/2 BPSK	50	0	21.57	21.52	21.58		
20	PI/2 BPSK	50	28	22.07	22.22	22.13	24.0	0.0
20	PI/2 BPSK	50	56	21.57	21.59	21.51		
20	PI/2 BPSK	100	0	21.57	21.60	21.59		
20	QPSK	1	1	22.39	22.53	22.30	24.0	0.0
20	QPSK	1	53	22.21	22.29	22.18		
20	QPSK	1	104	22.23	22.25	22.18		
20	QPSK	50	0	21.41	21.41	21.24	23.0	1.0
20	QPSK	50	28	22.11	22.23	22.06		
20	QPSK	50	56	21.32	21.35	21.23		
20	QPSK	100	0	21.29	21.48	21.29	23.0	1.0
20	16QAM	1	1	21.38	21.60	21.47		
20	64QAM	1	1	19.59	19.66	19.57		
20	256QAM	1	1	17.64	17.80	17.69	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.28	22.46	22.17	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.30	22.45	22.17	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.29	22.44	22.23	24.0	0.0



n2 Ant2 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				372000	376000	380000	20.2	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	18.90	18.99	18.78		
20	PI/2 BPSK	1	53	18.64	18.79	18.75	20.2	0.0
20	PI/2 BPSK	1	104	18.68	18.85	18.61		
20	PI/2 BPSK	50	0	18.69	18.80	18.60		
20	PI/2 BPSK	50	28	18.72	18.92	18.59	20.2	0.0
20	PI/2 BPSK	50	56	18.44	18.82	18.61	20.2	0.0
20	PI/2 BPSK	100	0	18.71	18.87	18.70		
20	QPSK	1	1	18.92	19.08	18.92	20.2	0.0
20	QPSK	1	53	18.65	18.87	18.73		
20	QPSK	1	104	18.80	18.96	18.70		
20	QPSK	50	0	18.81	18.88	18.74	20.2	0.0
20	QPSK	50	28	18.75	19.00	18.77	20.2	0.0
20	QPSK	50	56	18.52	18.81	18.72	20.2	0.0
20	QPSK	100	0	18.82	18.95	18.72		
20	16QAM	1	1	18.88	18.86	18.82	20.2	0.0
20	64QAM	1	1	18.57	18.74	18.73	20.2	0.0
20	256QAM	1	1	18.82	18.88	18.61	20.2	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.85	19.01	18.87	20.2	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.84	19.01	18.83	20.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.82	19.00	18.86	20.2	0.0



n25 Ant2 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				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	18.97	19.06	18.85	20.2	0.0
40	PI/2 BPSK	1	108	18.71	18.86	18.83		
40	PI/2 BPSK	1	214	18.83	18.91	18.68		
40	PI/2 BPSK	108	0	18.83	18.92	18.76	20.2	0.0
40	PI/2 BPSK	108	54	18.88	19.05	18.72	20.2	0.0
40	PI/2 BPSK	108	108	18.59	18.88	18.72	20.2	0.0
40	PI/2 BPSK	216	0	18.83	18.93	18.84		
40	QPSK	1	1	19.01	19.13	18.96	20.2	0.0
40	QPSK	1	108	18.73	18.95	18.87		
40	QPSK	1	214	18.93	19.01	18.76		
40	QPSK	108	0	18.96	19.02	18.85	20.2	0.0
40	QPSK	108	54	18.90	19.11	18.86	20.2	0.0
40	QPSK	108	108	18.66	18.92	18.84	20.2	0.0
40	QPSK	216	0	18.88	19.07	18.87		
40	16QAM	1	1	18.97	18.99	18.92	20.2	0.0
40	64QAM	1	1	18.63	18.88	18.85	20.2	0.0
40	256QAM	1	1	18.91	18.95	18.77	20.2	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	18.98	19.10	18.90	20.2	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	18.95	19.11	18.92	20.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	18.98	19.10	18.87	20.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.93	19.07	18.89	20.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.92	19.08	18.90	20.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	18.96	19.09	18.86	20.2	0.0



n66 Ant2 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	19.47	19.59	19.55	20.6	0.0
40	PI/2 BPSK	1	108	19.50	19.49	19.38		
40	PI/2 BPSK	1	214	19.60	19.60	19.46		
40	PI/2 BPSK	108	0	19.48	19.54	19.45	20.6	0.0
40	PI/2 BPSK	108	54	19.24	19.39	19.30	20.6	0.0
40	PI/2 BPSK	108	108	19.51	19.50	19.40	20.6	0.0
40	PI/2 BPSK	216	0	19.63	19.64	19.62		
40	QPSK	1	1	19.58	19.65	19.62	20.6	0.0
40	QPSK	1	108	19.56	19.63	19.38		
40	QPSK	1	214	19.37	19.55	19.50		
40	QPSK	108	0	19.43	19.56	19.55	20.6	0.0
40	QPSK	108	54	19.38	19.59	19.42	20.6	0.0
40	QPSK	108	108	19.42	19.47	19.44	20.6	0.0
40	QPSK	216	0	19.45	19.54	19.52		
40	16QAM	1	1	19.50	19.50	19.58	20.6	0.0
40	64QAM	1	1	19.27	19.40	19.23	20.6	0.0
40	256QAM	1	1	18.87	18.92	18.86	20.5	0.1
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.50	19.56	19.54	20.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.50	19.59	19.59	20.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.51	19.59	19.60	20.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.51	19.59	19.60	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.55	19.63	19.54	20.6	0.0



Part270 n77 PC2&PC3 Ant2 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.26	21.36	21.18	22.1	0.0
100	PI/2 BPSK	1	137	21.20	21.20	21.11		
100	PI/2 BPSK	1	271	21.15	21.27	21.10		
100	PI/2 BPSK	135	0	21.29	21.34	21.14	22.1	0.0
100	PI/2 BPSK	135	69	21.15	21.21	21.13	22.1	0.0
100	PI/2 BPSK	135	138	21.08	21.23	21.13	22.1	0.0
100	PI/2 BPSK	270	0	21.19	21.22	21.15		
100	QPSK	1	1	21.36	21.42	21.40	22.1	0.0
100	QPSK	1	137	21.27	21.33	21.23		
100	QPSK	1	271	21.22	21.32	21.28		
100	QPSK	135	0	20.99	21.13	21.09	20.1	2.0
100	QPSK	135	69	21.25	21.36	21.24	22.1	0.0
100	QPSK	135	138	21.00	21.13	21.08	22.1	0.0
100	QPSK	270	0	20.96	21.14	20.96		
100	16QAM	1	1	21.09	21.21	21.10	22.1	0.0
100	64QAM	1	1	21.10	21.07	21.00	22.1	0.0
100	256QAM	1	1	20.41	20.51	20.41	21.5	0.6
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.26	21.38	21.32	22.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.30	21.36	21.33	22.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.28	21.36	21.28	22.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.23	21.32	21.34	22.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.32	21.31	21.36	22.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.29	21.38	21.27	22.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.33	21.30	21.31	22.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.25	21.39	21.35	22.1	0.0



Part27Q n77 PC2&PC3 Ant2 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.63		22.1	0.0
100	PI/2 BPSK	1	137		20.47			
100	PI/2 BPSK	1	271		20.54			
100	PI/2 BPSK	135	0		20.59		22.1	0.0
100	PI/2 BPSK	135	69		20.44		22.1	0.0
100	PI/2 BPSK	135	138		20.45		22.1	0.0
100	PI/2 BPSK	270	0		20.43			
100	QPSK	1	1		20.67		22.1	0.0
100	QPSK	1	137		20.56			
100	QPSK	1	271		20.59			
100	QPSK	135	0		20.34		22.1	0.0
100	QPSK	135	69		20.62		22.1	0.0
100	QPSK	135	138		20.41		22.1	0.0
100	QPSK	270	0		20.42			
100	16QAM	1	1		20.40		22.1	0.0
100	64QAM	1	1		20.27		22.1	0.0
100	256QAM	1	1		19.69		21.5	0.6
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.64	20.63	20.64	22.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.57	20.61	20.58	22.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.63	20.59	20.62	22.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.64	20.53	22.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.64	20.60	20.54	22.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.53	20.61	20.56	22.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.62	20.64	20.58	22.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.63	20.56	20.63	22.1	0.0



Part270 n78 PC2&PC3 Ant2 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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.24			
100	PI/2 BPSK	1	137		21.07		22.1	0.0
100	PI/2 BPSK	1	271		21.13		22.1	0.0
100	PI/2 BPSK	135	0		21.23			
100	PI/2 BPSK	135	69		21.16		22.1	0.0
100	PI/2 BPSK	135	138		21.14		22.1	0.0
100	PI/2 BPSK	270	0		21.17			
100	QPSK	1	1		21.32		22.1	0.0
100	QPSK	1	137		21.18			
100	QPSK	1	271		21.25			
100	QPSK	135	0		20.99		22.1	0.0
100	QPSK	135	69		21.23		22.1	0.0
100	QPSK	135	138		21.01		22.1	0.0
100	QPSK	270	0		21.07			
100	16QAM	1	1		21.11		22.1	0.0
100	64QAM	1	1		20.99		22.1	0.0
100	256QAM	1	1		20.38		21.5	0.6
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.27	21.26	21.18	22.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.28	21.30	21.23	22.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.22	21.24	21.26	22.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.29	21.27	21.18	22.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.27	21.29	21.23	22.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.18	21.22	21.21	22.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.25	21.19	21.26	22.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.19	21.22	21.21	22.1	0.0



Part27Q n78 PC2&PC3 Ant2 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.24		22.1	0.0
100	PI/2 BPSK	1	137		20.35			
100	PI/2 BPSK	1	271		20.39			
100	PI/2 BPSK	135	0		20.19		22.1	0.0
100	PI/2 BPSK	135	69		20.19		22.1	0.0
100	PI/2 BPSK	135	138		20.12		22.1	0.0
100	PI/2 BPSK	270	0		20.35			
100	QPSK	1	1		20.40		22.1	0.0
100	QPSK	1	137		20.24			
100	QPSK	1	271		20.39			
100	QPSK	135	0		20.18		22.1	0.0
100	QPSK	135	69		20.26		22.1	0.0
100	QPSK	135	138		20.15		22.1	0.0
100	QPSK	270	0		20.14			
100	16QAM	1	1		20.35		22.1	0.0
100	64QAM	1	1		20.28		22.1	0.0
100	256QAM	1	1		20.34		21.5	0.6
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.31	20.37	20.29	22.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.26	20.27	20.27	22.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.37	20.29	20.36	22.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.29	20.27	20.26	22.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.33	20.27	20.29	22.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.27	20.32	20.31	22.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.32	20.30	20.37	22.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.37	20.32	20.31	22.1	0.0



Part96 n77 PC3 Ant2 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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.19	20.38	20.30	22.1	0.0
100	PI/2 BPSK	1	137	20.12	20.38	20.20		
100	PI/2 BPSK	1	271	20.35	20.42	20.18		
100	PI/2 BPSK	135	0	19.84	19.86	19.85	22.1	0.0
100	PI/2 BPSK	135	69	20.26	20.33	20.16	22.1	0.0
100	PI/2 BPSK	135	138	20.25	20.31	20.06	22.1	0.0
100	PI/2 BPSK	270	0	20.43	20.41	20.43		
100	QPSK	1	1	20.51	20.65	20.57	22.1	0.0
100	QPSK	1	137	20.36	20.49	20.35		
100	QPSK	1	271	20.36	20.56	20.46		
100	QPSK	135	0	20.28	20.52	20.29	22.1	0.0
100	QPSK	135	69	20.27	20.44	20.35	22.1	0.0
100	QPSK	135	138	20.26	20.36	20.29	22.1	0.0
100	QPSK	270	0	20.36	20.41	20.26		
100	16QAM	1	1	20.27	20.46	20.37	22.1	0.0
100	64QAM	1	1	20.59	20.51	20.34	22.1	0.0
100	256QAM	1	1	20.02	20.10	20.10	20.1	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.47	20.53	20.49	22.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.48	20.62	20.51	22.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.42	20.58	20.55	22.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.47	20.55	20.50	22.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.40	20.56	20.47	22.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	20.45	20.62	20.49	22.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.44	20.55	20.50	22.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.37	20.55	20.54	22.1	0.0



Part96 n78 PC3 Ant2 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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.06	20.35	20.23	22.1	0.0
100	PI/2 BPSK	1	137	20.04	20.27	20.08		
100	PI/2 BPSK	1	271	20.29	20.32	20.10		
100	PI/2 BPSK	135	0	19.81	19.74	19.76	22.1	0.0
100	PI/2 BPSK	135	69	20.20	20.30	20.08	22.1	0.0
100	PI/2 BPSK	135	138	20.20	20.28	19.97	22.1	0.0
100	PI/2 BPSK	270	0	20.41	20.31	20.39		
100	QPSK	1	1	20.43	20.57	20.51	22.1	0.0
100	QPSK	1	137	20.25	20.35	20.27		
100	QPSK	1	271	20.32	20.49	20.42		
100	QPSK	135	0	20.17	20.43	20.20	22.1	0.0
100	QPSK	135	69	20.15	20.33	20.29	22.1	0.0
100	QPSK	135	138	20.15	20.26	20.27	22.1	0.0
100	QPSK	270	0	20.25	20.30	20.17		
100	16QAM	1	1	20.23	20.42	20.30	22.1	0.0
100	64QAM	1	1	20.52	20.42	20.32	22.1	0.0
100	256QAM	1	1	19.81	19.90	19.95	20.1	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.29	20.53	20.48	22.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.40	20.44	20.46	22.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.35	20.44	20.40	22.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.37	20.50	20.41	22.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.29	20.54	20.37	22.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	20.36	20.54	20.43	22.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.31	20.51	20.45	22.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.33	20.54	20.46	22.1	0.0



n7 Ant3 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	16.04	16.08	16.02	17.2	0.0
40	PI/2 BPSK	1	108	15.84	15.93	15.84		
40	PI/2 BPSK	1	214	15.84	16.04	15.85		
40	PI/2 BPSK	108	0	15.95	16.03	15.95	17.2	0.0
40	PI/2 BPSK	108	54	15.94	16.05	15.88	17.2	0.0
40	PI/2 BPSK	108	108	15.84	15.99	15.70	17.2	0.0
40	PI/2 BPSK	216	0	16.01	15.99	15.90		
40	QPSK	1	1	16.09	16.16	16.12	17.2	0.0
40	QPSK	1	108	15.93	16.05	15.89		
40	QPSK	1	214	15.90	16.11	15.98		
40	QPSK	108	0	16.01	16.09	16.00	17.2	0.0
40	QPSK	108	54	16.07	16.13	16.01	17.2	0.0
40	QPSK	108	108	15.89	16.01	15.80	17.2	0.0
40	QPSK	216	0	16.05	16.09	16.03		
40	16QAM	1	1	16.00	16.03	16.01	17.2	0.0
40	64QAM	1	1	15.88	16.02	15.84	17.2	0.0
40	256QAM	1	1	15.85	16.07	15.92	17.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.06	16.07	16.03	17.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.04	16.14	16.07	17.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.00	16.10	16.09	17.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.02	16.09	16.06	17.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.07	16.13	16.02	17.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.00	16.10	16.03	17.2	0.0



n30 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					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		18.42		19.6	0.0
10	PI/2 BPSK	1	26		18.42			
10	PI/2 BPSK	1	50		18.35			
10	PI/2 BPSK	25	0		18.47		19.6	0.0
10	PI/2 BPSK	25	14		18.47		19.6	0.0
10	PI/2 BPSK	25	27		18.43		19.6	0.0
10	PI/2 BPSK	50	0		18.36			
10	QPSK	1	1		18.54		19.6	0.0
10	QPSK	1	26		18.47			
10	QPSK	1	50		18.45			
10	QPSK	25	0		18.45		19.6	0.0
10	QPSK	25	14		18.51		18.6	1.0
10	QPSK	25	27		18.46		19.6	0.0
10	QPSK	50	0		18.44			
10	16QAM	1	1		18.42		19.6	0.0
10	64QAM	1	1		18.43		19.6	0.0
10	256QAM	1	1		18.34		19.6	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	18.51	18.41	18.51	19.6	0.0

n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	15.97	15.98	15.85	17.4	0.0
40	PI/2 BPSK	1	53	15.81	15.76	15.79		
40	PI/2 BPSK	1	104	15.77	15.84	15.74		
40	PI/2 BPSK	50	0	15.91	15.96	15.81	17.4	0.0
40	PI/2 BPSK	50	28	15.78	15.89	15.81	17.4	0.0
40	PI/2 BPSK	50	56	15.80	15.93	15.74	17.4	0.0
40	PI/2 BPSK	100	0	15.84	15.86	15.82		
40	QPSK	1	1	15.96	16.06	16.01	17.4	0.0
40	QPSK	1	53	15.84	16.00	15.94		
40	QPSK	1	104	15.95	16.01	15.92		
40	QPSK	50	0	15.65	15.79	15.64	17.4	0.0
40	QPSK	50	28	15.86	16.05	15.80	17.4	0.0
40	QPSK	50	56	15.68	15.76	15.67	17.4	0.0
40	QPSK	100	0	15.64	15.75	15.58		



40	16QAM	1	1	15.70	15.81	15.70	17.4	0.0
40	64QAM	1	1	15.63	15.76	15.56	17.4	0.0
40	256QAM	1	1	15.72	15.75	15.61	17.4	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	15.94	15.99	15.97	17.4	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	15.87	16.02	15.93	17.4	0.0

n41 PC2&PC3 Ant3 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				509202	518598	528000	17.4	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.05	16.14	15.92	17.4	0.0
100	PI/2 BPSK	1	137	15.93	15.91	15.92		
100	PI/2 BPSK	1	271	15.86	15.97	15.80		
100	PI/2 BPSK	135	0	15.98	16.10	15.95	17.4	0.0
100	PI/2 BPSK	135	69	15.88	16.00	15.94	17.4	0.0
100	PI/2 BPSK	135	138	15.85	15.97	15.87	17.4	0.0
100	PI/2 BPSK	270	0	15.91	16.00	15.88		
100	QPSK	1	1	16.06	16.16	16.11		
100	QPSK	1	137	15.90	16.06	16.00	17.4	0.0
100	QPSK	1	271	16.01	16.10	16.01		
100	QPSK	135	0	15.74	15.84	15.74		
100	QPSK	135	69	16.01	16.11	15.91	17.4	0.0
100	QPSK	135	138	15.83	15.89	15.74	17.4	0.0
100	QPSK	270	0	15.76	15.90	15.73		
100	16QAM	1	1	15.77	15.87	15.76		
100	64QAM	1	1	15.78	15.83	15.72	17.4	0.0
100	256QAM	1	1	15.83	15.86	15.74	17.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.97	16.12	16.04	17.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.01	16.08	16.06	17.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.01	16.11	16.03	17.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.01	16.07	16.09	17.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.98	16.11	16.02	17.4	0.0



Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.01	16.10	16.03	17.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.96	16.09	16.07	17.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.98	16.08	16.02	17.4	0.0

Part270 n77 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	656000	662000	17.4	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.74	16.72	16.54	17.4	0.0
100	PI/2 BPSK	1	137	16.51	16.59	16.50		
100	PI/2 BPSK	1	271	16.48	16.63	16.38		
100	PI/2 BPSK	135	0	16.67	16.72	16.60	17.4	0.0
100	PI/2 BPSK	135	69	16.52	16.64	16.51	17.4	0.0
100	PI/2 BPSK	135	138	16.49	16.65	16.52	17.4	0.0
100	PI/2 BPSK	270	0	16.55	16.54	16.52		
100	QPSK	1	1	16.78	16.81	16.73	17.4	0.0
100	QPSK	1	137	16.62	16.74	16.72		
100	QPSK	1	271	16.57	16.79	16.68		
100	QPSK	135	0	16.40	16.50	16.46	17.4	0.0
100	QPSK	135	69	16.58	16.73	16.62	17.4	0.0
100	QPSK	135	138	16.40	16.52	16.44	17.4	0.0
100	QPSK	270	0	16.35	16.49	16.42		
100	16QAM	1	1	16.40	16.53	16.39	17.4	0.0
100	64QAM	1	1	16.46	16.58	16.44	17.4	0.0
100	256QAM	1	1	16.43	16.57	16.45	17.4	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.72	16.77	16.68	17.4	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.75	16.77	16.68	17.4	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.74	16.78	16.64	17.4	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.72	16.78	16.70	17.4	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		



50	QPSK	1	1	16.74	16.76	16.67	17.4	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.68	16.76	16.66	17.4	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.72	16.75	16.68	17.4	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.72	16.78	16.67	17.4	0.0

Part27Q n77 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					633334		17.4	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.46		17.4	0.0
100	PI/2 BPSK	1	137		16.28			
100	PI/2 BPSK	1	271		16.28			
100	PI/2 BPSK	135	0		16.50		17.4	0.0
100	PI/2 BPSK	135	69		16.37		17.4	0.0
100	PI/2 BPSK	135	138		16.31		17.4	0.0
100	PI/2 BPSK	270	0		16.24			
100	QPSK	1	1		16.51		17.4	0.0
100	QPSK	1	137		16.40			
100	QPSK	1	271		16.43			
100	QPSK	135	0		16.17		17.4	0.0
100	QPSK	135	69		16.41		17.4	0.0
100	QPSK	135	138		16.22		17.4	0.0
100	QPSK	270	0		16.17			
100	16QAM	1	1		16.31		17.4	0.0
100	64QAM	1	1		16.22		17.4	0.0
100	256QAM	1	1		16.21		17.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.44	16.42	16.42	17.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.46	16.41	16.41	17.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.47	16.42	16.44	17.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.46	16.43	16.44	17.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		



50	QPSK	1	1	16.43	16.45	16.42	17.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.45	16.46	16.42	17.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.46	16.43	16.42	17.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.45	16.44	16.41	17.4	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	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.58		17.4	0.0
100	PI/2 BPSK	1	137		16.51			
100	PI/2 BPSK	1	271		16.56			
100	PI/2 BPSK	135	0		16.66		17.4	0.0
100	PI/2 BPSK	135	69		16.50		17.4	0.0
100	PI/2 BPSK	135	138		16.52		17.4	0.0
100	PI/2 BPSK	270	0		16.48			
100	QPSK	1	1		16.70		17.4	0.0
100	QPSK	1	137		16.63			
100	QPSK	1	271		16.69			
100	QPSK	135	0		16.39		17.4	0.0
100	QPSK	135	69		16.69		17.4	0.0
100	QPSK	135	138		16.39		17.4	0.0
100	QPSK	270	0		16.36			
100	16QAM	1	1		16.44		17.4	0.0
100	64QAM	1	1		16.49		17.4	0.0
100	256QAM	1	1		16.45		17.4	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.63	16.63	16.65	17.4	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.61	16.63	16.68	17.4	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.64	16.60	16.67	17.4	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.60	16.68	16.62	17.4	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		



50	QPSK	1	1	16.61	16.63	16.62	17.4	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.61	16.67	16.62	17.4	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.64	16.67	16.68	17.4	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.64	16.65	16.66	17.4	0.0

Part27Q 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					633334		17.4	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.32		17.4	0.0
100	PI/2 BPSK	1	137		16.21			
100	PI/2 BPSK	1	271		16.18			
100	PI/2 BPSK	135	0		16.42		17.4	0.0
100	PI/2 BPSK	135	69		16.21			
100	PI/2 BPSK	135	138		16.26		17.4	0.0
100	PI/2 BPSK	270	0		16.14			
100	QPSK	1	1		16.45			
100	QPSK	1	137		16.34		17.4	0.0
100	QPSK	1	271		16.28			
100	QPSK	135	0		16.05			
100	QPSK	135	69		16.37		17.4	0.0
100	QPSK	135	138		16.10			
100	QPSK	270	0		16.06		17.4	0.0
100	16QAM	1	1		16.20			
100	64QAM	1	1		16.10			
100	256QAM	1	1		16.11		17.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.43	16.41	16.40	17.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.39	16.35	16.42	17.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.40	16.42	16.38	17.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.42	16.39	16.42	17.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		



50	QPSK	1	1	16.38	16.40	16.36	17.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.37	16.40	16.40	17.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.42	16.36	16.35	17.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.43	16.41	16.42	17.4	0.0

Part96 n77 PC3 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				640000	641666	643332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.53	16.60	16.48	17.4	0.0
100	PI/2 BPSK	1	137	16.35	16.46	16.37		
100	PI/2 BPSK	1	271	16.37	16.43	16.24		
100	PI/2 BPSK	135	0	16.52	16.61	16.40	17.4	0.0
100	PI/2 BPSK	135	69	16.34	16.43	16.35	17.4	0.0
100	PI/2 BPSK	135	138	16.26	16.46	16.38	17.4	0.0
100	PI/2 BPSK	270	0	16.35	16.39	16.42		
100	QPSK	1	1	16.61	16.65	16.62	17.4	0.0
100	QPSK	1	137	16.42	16.53	16.50		
100	QPSK	1	271	16.48	16.54	16.46		
100	QPSK	135	0	16.19	16.33	16.21	17.4	0.0
100	QPSK	135	69	16.49	16.55	16.43	17.4	0.0
100	QPSK	135	138	16.22	16.44	16.26	17.4	0.0
100	QPSK	270	0	16.26	16.28	16.21		
100	16QAM	1	1	16.32	16.39	16.28	17.4	0.0
100	64QAM	1	1	16.34	16.41	16.23	17.4	0.0
100	256QAM	1	1	16.28	16.38	16.32	17.4	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.54	16.59	16.54	17.4	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.51	16.61	16.52	17.4	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.56	16.60	16.56	17.4	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.55	16.56	16.52	17.4	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		



50	QPSK	1	1	16.57	16.59	16.56	17.4	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	16.53	16.58	16.54	17.4	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.58	16.63	16.54	17.4	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.54	16.62	16.58	17.4	0.0

Part96 n78 PC3 Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.43	16.50	16.40	17.4	0.0
100	PI/2 BPSK	1	137	16.25	16.37	16.24		
100	PI/2 BPSK	1	271	16.22	16.37	16.14		
100	PI/2 BPSK	135	0	16.36	16.53	16.26	17.4	0.0
100	PI/2 BPSK	135	69	16.19	16.32	16.21	17.4	0.0
100	PI/2 BPSK	135	138	16.18	16.37	16.32	17.4	0.0
100	PI/2 BPSK	270	0	16.29	16.32	16.32		
100	QPSK	1	1	16.46	16.56	16.53	17.4	0.0
100	QPSK	1	137	16.38	16.39	16.41		
100	QPSK	1	271	16.33	16.49	16.38		
100	QPSK	135	0	16.05	16.22	16.07	17.4	0.0
100	QPSK	135	69	16.35	16.46	16.36	17.4	0.0
100	QPSK	135	138	16.17	16.35	16.14	17.4	0.0
100	QPSK	270	0	16.17	16.19	16.08		
100	16QAM	1	1	16.19	16.26	16.21	17.4	0.0
100	64QAM	1	1	16.30	16.34	16.08	17.4	0.0
100	256QAM	1	1	16.14	16.28	16.19	17.4	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.44	16.47	16.47	17.4	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.43	16.51	16.45	17.4	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.41	16.50	16.44	17.4	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.37	16.50	16.44	17.4	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		



50	QPSK	1	1	16.41	16.50	16.50	17.4	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	16.40	16.48	16.43	17.4	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.44	16.53	16.46	17.4	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.37	16.53	16.48	17.4	0.0

n48 Part96 Ant4 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				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.59	19.68	19.55	20.8	0.0
40	PI/2 BPSK	1	53	19.49	19.54	19.42		
40	PI/2 BPSK	1	104	19.46	19.50	19.38		
40	PI/2 BPSK	50	0	19.63	19.63	19.47	20.8	0.0
40	PI/2 BPSK	50	28	19.42	19.58	19.49	20.8	0.0
40	PI/2 BPSK	50	56	19.39	19.57	19.40	20.8	0.0
40	PI/2 BPSK	100	0	19.40	19.55	19.43		
40	QPSK	1	1	19.64	19.72	19.61	20.8	0.0
40	QPSK	1	53	19.54	19.69	19.57		
40	QPSK	1	104	19.48	19.69	19.52		
40	QPSK	50	0	19.58	19.63	19.58	20.8	0.0
40	QPSK	50	28	19.61	19.69	19.56	20.8	0.0
40	QPSK	50	56	19.57	19.66	19.54	20.8	0.0
40	QPSK	100	0	19.62	19.63	19.56		
40	16QAM	1	1	19.54	19.66	19.53	20.8	0.0
40	64QAM	1	1	19.69	19.70	19.66	20.5	0.3
40	256QAM	1	1	17.75	17.75	17.69	18.5	2.3
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.61	19.65	19.55	20.8	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.54	19.66	19.52	20.8	0.0

Part270 n77 PC2 Ant4 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	656000	662000		
Frequency (MHz)				3750	3840	3930		



100	PI/2 BPSK	1	1	20.63	20.67	20.53	21.7	0.0
100	PI/2 BPSK	1	137	20.54	20.54	20.41		
100	PI/2 BPSK	1	271	20.45	20.53	20.37		
100	PI/2 BPSK	135	0	20.69	20.73	20.48	21.7	0.0
100	PI/2 BPSK	135	69	20.41	20.58	20.53	21.7	0.0
100	PI/2 BPSK	135	138	20.40	20.57	20.48	21.7	0.0
100	PI/2 BPSK	270	0	20.52	20.49	20.47		
100	QPSK	1	1	20.71	20.76	20.72		
100	QPSK	1	137	20.52	20.69	20.68	21.7	0.0
100	QPSK	1	271	20.56	20.64	20.64		
100	QPSK	135	0	20.27	20.43	20.41		
100	QPSK	135	69	20.55	20.69	20.53	21.7	0.0
100	QPSK	135	138	20.41	20.55	20.43	21.7	0.0
100	QPSK	270	0	20.31	20.47	20.34		
100	16QAM	1	1	20.41	20.48	20.39		
100	64QAM	1	1	20.37	20.51	20.37	21.7	0.0
100	256QAM	1	1	20.59	20.67	20.58	21.7	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.61	20.68	20.63	21.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.57	20.70	20.60	21.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.62	20.60	20.60	21.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.58	20.64	20.61	21.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.60	20.66	20.62	21.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.56	20.60	20.63	21.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.58	20.61	20.61	21.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.55	20.65	20.62	21.7	0.0

Part27Q n77 PC2 Ant4 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					633334			
Frequency (MHz)					3500.01			



100	PI/2 BPSK	1	1		20.25			
100	PI/2 BPSK	1	137		20.13		21.7	0.0
100	PI/2 BPSK	1	271		20.10			
100	PI/2 BPSK	135	0		20.21		21.7	0.0
100	PI/2 BPSK	135	69		20.06		21.7	0.0
100	PI/2 BPSK	135	138		20.08		21.7	0.0
100	PI/2 BPSK	270	0		20.14			
100	QPSK	1	1		20.31			
100	QPSK	1	137		20.24		21.7	0.0
100	QPSK	1	271		20.25			
100	QPSK	135	0		19.97		21.7	0.0
100	QPSK	135	69		20.27		21.7	0.0
100	QPSK	135	138		20.09		21.7	0.0
100	QPSK	270	0		20.00			
100	16QAM	1	1		20.09		21.7	0.0
100	64QAM	1	1		20.03		21.7	0.0
100	256QAM	1	1		20.11		21.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.28	20.27	20.24	21.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.26	20.27	20.21	21.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.29	20.21	20.26	21.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.24	20.24	20.28	21.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.24	20.22	20.25	21.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.23	20.22	20.24	21.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.22	20.22	20.22	21.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.23	20.24	20.27	21.7	0.0

Part270 n78 PC2 Ant4 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	650000	650000		
Frequency (MHz)				3750	3750	3750		



100	PI/2 BPSK	1	1		20.53			
100	PI/2 BPSK	1	137		20.38		21.7	0.0
100	PI/2 BPSK	1	271		20.38			
100	PI/2 BPSK	135	0		20.69		21.7	0.0
100	PI/2 BPSK	135	69		20.45		21.7	0.0
100	PI/2 BPSK	135	138		20.42		21.7	0.0
100	PI/2 BPSK	270	0		20.44			
100	QPSK	1	1		20.70			
100	QPSK	1	137		20.61		21.7	0.0
100	QPSK	1	271		20.58			
100	QPSK	135	0		20.35		21.7	0.0
100	QPSK	135	69		20.61		21.7	0.0
100	QPSK	135	138		20.41		21.7	0.0
100	QPSK	270	0		20.34			
100	16QAM	1	1		20.43		21.7	0.0
100	64QAM	1	1		20.36		21.7	0.0
100	256QAM	1	1		20.54		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	20.67	20.65	20.63	21.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.60	20.66	20.61	21.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.65	20.66	20.65	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	20.63	20.61	20.63	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	20.66	20.62	20.61	21.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.63	20.66	20.65	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	20.67	20.68	20.64	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	20.64	20.61	20.60	21.7	0.0

Part27Q n78 PC2 Ant4 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					633334			
Frequency (MHz)					3500.01			



100	PI/2 BPSK	1	1		20.16			
100	PI/2 BPSK	1	137		19.99		21.7	0.0
100	PI/2 BPSK	1	271		20.04			
100	PI/2 BPSK	135	0		20.12		21.7	0.0
100	PI/2 BPSK	135	69		20.01		21.7	0.0
100	PI/2 BPSK	135	138		19.96		21.7	0.0
100	PI/2 BPSK	270	0		20.09			
100	QPSK	1	1		20.26			
100	QPSK	1	137		20.14		21.7	0.0
100	QPSK	1	271		20.11			
100	QPSK	135	0		19.86		21.7	0.0
100	QPSK	135	69		20.23		21.7	0.0
100	QPSK	135	138		20.01		21.7	0.0
100	QPSK	270	0		19.88			
100	16QAM	1	1		19.97		21.7	0.0
100	64QAM	1	1		19.96		21.7	0.0
100	256QAM	1	1		20.11		21.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.23	20.17	20.16	21.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.18	20.18	20.18	21.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.19	20.17	20.19	21.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.20	20.20	20.22	21.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.20	20.16	20.22	21.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.20	20.22	20.16	21.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.17	20.23	20.18	21.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.17	20.19	20.19	21.7	0.0

Part96 n77 PC3 Ant4 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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		



100	PI/2 BPSK	1	1	20.40	20.50	20.30	21.7	0.0
100	PI/2 BPSK	1	137	20.30	20.33	20.25		
100	PI/2 BPSK	1	271	20.28	20.28	20.11		
100	PI/2 BPSK	135	0	20.38	20.42	20.24	21.7	0.0
100	PI/2 BPSK	135	69	20.21	20.28	20.19	21.7	0.0
100	PI/2 BPSK	135	138	20.17	20.28	20.26	21.7	0.0
100	PI/2 BPSK	270	0	20.23	20.30	20.26		
100	QPSK	1	1	20.46	20.52	20.51	21.7	0.0
100	QPSK	1	137	20.35	20.47	20.42		
100	QPSK	1	271	20.30	20.51	20.31		
100	QPSK	135	0	20.07	20.17	20.11	21.7	0.0
100	QPSK	135	69	20.28	20.45	20.34	21.7	0.0
100	QPSK	135	138	20.09	20.21	20.18	21.7	0.0
100	QPSK	270	0	20.13	20.24	20.11		
100	16QAM	1	1	20.20	20.29	20.16	21.7	0.0
100	64QAM	1	1	20.20	20.22	20.13	21.7	0.0
100	256QAM	1	1	20.25	20.33	20.21	21.7	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.39	20.45	20.46	21.7	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.38	20.46	20.48	21.7	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.42	20.45	20.48	21.7	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.42	20.48	20.44	21.7	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.40	20.45	20.43	21.7	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	20.38	20.43	20.45	21.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.43	20.47	20.45	21.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.41	20.45	20.44	21.7	0.0

Part96 n78 PC3 Ant4 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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		



100	PI/2 BPSK	1	1	20.25	20.42	20.15	21.7	0.0
100	PI/2 BPSK	1	137	20.17	20.22	20.12		
100	PI/2 BPSK	1	271	20.20	20.21	19.99		
100	PI/2 BPSK	135	0	20.30	20.37	20.10	21.7	0.0
100	PI/2 BPSK	135	69	20.15	20.13	20.11	21.7	0.0
100	PI/2 BPSK	135	138	20.11	20.21	20.11	21.7	0.0
100	PI/2 BPSK	270	0	20.18	20.22	20.17		
100	QPSK	1	1	20.39	20.46	20.41	21.7	0.0
100	QPSK	1	137	20.31	20.33	20.32		
100	QPSK	1	271	20.20	20.40	20.27		
100	QPSK	135	0	20.02	20.12	19.96	21.7	0.0
100	QPSK	135	69	20.13	20.31	20.20	21.7	0.0
100	QPSK	135	138	19.96	20.14	20.06	21.7	0.0
100	QPSK	270	0	20.08	20.12	20.06		
100	16QAM	1	1	20.07	20.23	20.03	21.7	0.0
100	64QAM	1	1	20.16	20.14	20.02	21.7	0.0
100	256QAM	1	1	20.21	20.15	20.11	21.7	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.36	20.44	20.35	21.7	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.34	20.39	20.36	21.7	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.34	20.43	20.38	21.7	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.34	20.37	20.35	21.7	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.31	20.39	20.32	21.7	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	20.34	20.39	20.37	21.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.33	20.37	20.35	21.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.33	20.42	20.33	21.7	0.0

n25 Ant5 Ant5 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				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		



40	PI/2 BPSK	1	1	20.67	20.78	20.72	22.2	0.0
40	PI/2 BPSK	1	108	20.31	20.39	20.34		
40	PI/2 BPSK	1	214	20.50	20.49	20.24		
40	PI/2 BPSK	108	0	20.67	20.81	20.72	22.2	0.0
40	PI/2 BPSK	108	54	20.63	20.77	20.70	22.2	0.0
40	PI/2 BPSK	108	108	20.29	20.40	20.35	22.2	0.0
40	PI/2 BPSK	216	0	20.53	20.57	20.24		
40	QPSK	1	1	20.72	20.88	20.81		
40	QPSK	1	108	20.37	20.53	20.41	22.2	0.0
40	QPSK	1	214	20.56	20.60	20.34		
40	QPSK	108	0	20.69	20.79	20.69		
40	QPSK	108	54	20.65	20.85	20.78	22.2	0.0
40	QPSK	108	108	20.25	20.46	20.33	22.2	0.0
40	QPSK	216	0	20.63	20.79	20.78		
40	16QAM	1	1	20.35	20.50	20.34		
40	64QAM	1	1	20.69	20.84	20.74	22.2	0.0
40	256QAM	1	1	19.69	19.71	19.55	20.5	1.7
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.67	20.79	20.73	22.2	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.64	20.80	20.73	22.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.64	20.81	20.73	22.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.63	20.79	20.74	22.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.69	20.81	20.73	22.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.64	20.82	20.75	22.2	0.0

n66 Ant5 Ant5 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.49	21.56	21.44		
40	PI/2 BPSK	1	108	21.08	21.36	21.20	22.5	0.0
40	PI/2 BPSK	1	214	21.18	21.44	21.15		
40	PI/2 BPSK	108	0	21.11	21.19	21.30		
40	PI/2 BPSK	108	54	21.48	21.60	21.40	22.5	0.0
40	PI/2 BPSK	108	108	21.11	21.35	21.20	22.5	0.0
40	PI/2 BPSK	216	0	21.10	21.33	21.20		



40	QPSK	1	1	21.50	21.62	21.49	22.5	0.0
40	QPSK	1	108	21.20	21.32	21.28		
40	QPSK	1	214	21.30	21.50	21.15		
40	QPSK	108	0	21.16	21.36	21.23	22.5	0.0
40	QPSK	108	54	21.50	21.60	21.41	22.5	0.0
40	QPSK	108	108	21.08	21.29	21.18	22.5	0.0
40	QPSK	216	0	21.21	21.29	21.24		
40	16QAM	1	1	21.12	21.32	21.21	22.5	0.0
40	64QAM	1	1	21.47	21.59	21.45	22.5	0.0
40	256QAM	1	1	19.58	19.65	19.39	20.5	2.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.47	21.60	21.43	22.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.45	21.58	21.45	22.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.43	21.58	21.46	22.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.48	21.54	21.41	22.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.44	21.58	21.39	22.5	0.0

n41 PC2 Ant5 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	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.79	18.73	18.65	19.9	0.0
100	PI/2 BPSK	1	137	18.62	18.66	18.48		
100	PI/2 BPSK	1	271	18.54	18.56	18.44		
100	PI/2 BPSK	135	0	18.66	18.81	18.53	19.9	0.0
100	PI/2 BPSK	135	69	18.50	18.58	18.53	19.9	0.0
100	PI/2 BPSK	135	138	18.48	18.61	18.48	19.9	0.0
100	PI/2 BPSK	270	0	18.52	18.57	18.55		
100	QPSK	1	1	18.75	18.83	18.77	19.9	0.0
100	QPSK	1	137	18.63	18.76	18.74		
100	QPSK	1	271	18.60	18.78	18.67		
100	QPSK	135	0	18.38	18.45	18.49	19.9	0.0
100	QPSK	135	69	18.59	18.74	18.63	19.9	0.0
100	QPSK	135	138	18.49	18.54	18.45	19.9	0.0
100	QPSK	270	0	18.40	18.56	18.43		
100	16QAM	1	1	18.42	18.53	18.50	19.9	0.0
100	64QAM	1	1	18.47	18.53	18.39	19.9	0.0
100	256QAM	1	1	18.72	18.74	18.70	19.9	0.0



Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.72	18.81	18.67	19.9	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.71	18.81	18.69	19.9	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.67	18.75	18.71	19.9	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.68	18.75	18.74	19.9	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.68	18.75	18.71	19.9	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.65	18.80	18.71	19.9	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.72	18.73	18.68	19.9	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.66	18.73	18.73	19.9	0.0

n41 PC2 Ant6 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	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.10	17.13	17.01	18.3	0.0
100	PI/2 BPSK	1	137	16.95	17.04	16.95		
100	PI/2 BPSK	1	271	17.01	16.99	16.89		
100	PI/2 BPSK	135	0	17.17	17.24	16.98	18.3	0.0
100	PI/2 BPSK	135	69	16.99	17.05	16.93		
100	PI/2 BPSK	135	138	16.88	17.07	16.98		
100	PI/2 BPSK	270	0	16.95	16.97	17.00	18.3	0.0
100	QPSK	1	1	17.17	17.25	17.21		
100	QPSK	1	137	17.04	17.20	17.14		
100	QPSK	1	271	17.04	17.21	17.09	18.3	0.0
100	QPSK	135	0	16.84	16.90	16.81		
100	QPSK	135	69	17.09	17.11	17.02		
100	QPSK	135	138	16.83	16.96	16.91	18.3	0.0
100	QPSK	270	0	16.79	17.00	16.80		
100	16QAM	1	1	16.88	16.97	16.85		



100	64QAM	1	1	16.85	16.93	16.79	18.3	0.0
100	256QAM	1	1	16.96	16.96	16.88	18.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.11	17.18	17.14	18.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.14	17.15	17.14	18.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.14	17.17	17.16	18.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.09	17.16	17.19	18.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.07	17.19	17.17	18.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.15	17.17	17.16	18.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.13	17.21	17.15	18.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.13	17.18	17.18	18.3	0.0

Part270 n77 PC2 Ant6 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.02	18.93	18.80	19.8	0.0
100	PI/2 BPSK	1	137	18.82	18.90	18.82		
100	PI/2 BPSK	1	271	18.76	18.84	18.72		
100	PI/2 BPSK	135	0	19.00	19.05	18.78	19.8	0.0
100	PI/2 BPSK	135	69	18.71	18.83	18.81		
100	PI/2 BPSK	135	138	18.69	18.92	18.76		
100	PI/2 BPSK	270	0	18.73	18.89	18.86	19.8	0.0
100	QPSK	1	1	19.01	19.06	18.99		
100	QPSK	1	137	18.86	19.02	18.88		
100	QPSK	1	271	18.89	19.00	18.90	19.8	0.0
100	QPSK	135	0	18.64	18.73	18.63		
100	QPSK	135	69	18.84	19.01	18.83		
100	QPSK	135	138	18.67	18.85	18.70	19.8	0.0
100	QPSK	270	0	18.64	18.75	18.62		



100	16QAM	1	1	18.74	18.79	18.64	19.8	0.0
100	64QAM	1	1	18.75	18.77	18.58	19.8	0.0
100	256QAM	1	1	18.69	18.85	18.66	19.8	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.78	18.96	18.83	19.8	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.75	18.93	18.94	19.8	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.79	18.98	18.84	19.8	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.78	18.90	18.92	19.8	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.76	18.98	18.88	19.8	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.81	18.91	18.88	19.8	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.78	18.91	18.94	19.8	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.76	18.90	18.90	19.8	0.0

Part27Q n77 PC2 Ant6 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					633334		19.8	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.88		19.8	0.0
100	PI/2 BPSK	1	137		18.96			
100	PI/2 BPSK	1	271		18.78		19.8	0.0
100	PI/2 BPSK	135	0		19.03			
100	PI/2 BPSK	135	69		18.77		19.8	0.0
100	PI/2 BPSK	135	138		18.97			
100	PI/2 BPSK	270	0		18.89		19.8	0.0
100	QPSK	1	1		19.08			
100	QPSK	1	137		19.02		19.8	0.0
100	QPSK	1	271		18.98			
100	QPSK	135	0		18.67		19.8	0.0
100	QPSK	135	69		19.01			
100	QPSK	135	138		18.84		19.8	0.0
100	QPSK	270	0		18.80			



100	16QAM	1	1		18.80		19.8	0.0
100	64QAM	1	1		18.75		19.8	0.0
100	256QAM	1	1		18.82		19.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.01	19.06	19.04	19.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.99	19.03	19.03	19.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.05	19.05	19.02	19.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.05	19.04	19.02	19.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.02	19.02	19.04	19.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.02	18.99	19.05	19.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.04	18.99	18.99	19.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.01	19.03	19.00	19.8	0.0

Part270 n78 PC2 Ant6 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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.79		19.8	0.0
100	PI/2 BPSK	1	137		18.76			
100	PI/2 BPSK	1	271		18.78			
100	PI/2 BPSK	135	0		18.89		19.8	0.0
100	PI/2 BPSK	135	69		18.78		19.8	0.0
100	PI/2 BPSK	135	138		18.82		18.3	1.5
100	PI/2 BPSK	270	0		18.81			
100	QPSK	1	1		18.92		19.8	0.0
100	QPSK	1	137		18.82			
100	QPSK	1	271		18.91			
100	QPSK	135	0		18.67		19.8	0.0
100	QPSK	135	69		18.87		19.8	0.0
100	QPSK	135	138		18.79		19.8	0.0
100	QPSK	270	0		18.69			



100	16QAM	1	1		18.67		17.8	2.0
100	64QAM	1	1		18.70		16.8	3.0
100	256QAM	1	1		18.76		19.8	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.85	18.84	18.88	19.8	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.83	18.90	18.84	19.8	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.87	18.82	18.89	19.8	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.86	18.88	18.84	19.8	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.83	18.87	18.87	19.8	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.82	18.88	18.85	19.8	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.89	18.87	18.84	19.8	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.90	18.89	18.86	19.8	0.0

Part27Q n78 PC2 Ant6 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.75		19.8	0.0
100	PI/2 BPSK	1	137		18.89			
100	PI/2 BPSK	1	271		18.64			
100	PI/2 BPSK	135	0		18.97		19.8	0.0
100	PI/2 BPSK	135	69		18.61		19.8	0.0
100	PI/2 BPSK	135	138		18.83		17.8	2.0
100	PI/2 BPSK	270	0		18.84			
100	QPSK	1	1		18.98		19.8	0.0
100	QPSK	1	137		18.94			
100	QPSK	1	271		18.85			
100	QPSK	135	0		18.62		19.8	0.0
100	QPSK	135	69		18.97		19.8	0.0
100	QPSK	135	138		18.69		19.8	0.0
100	QPSK	270	0		18.68			



100	16QAM	1	1		18.72		18.3	1.5
100	64QAM	1	1		18.66		16.8	3.0
100	256QAM	1	1		18.68		14.8	5.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.93	18.90	18.89	19.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.90	18.94	18.94	19.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.95	18.95	18.96	19.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.89	18.88	18.90	19.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.90	18.92	18.95	19.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.94	18.88	18.93	19.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.95	18.89	18.95	19.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.94	18.91	18.90	19.8	0.0

Part96 n77 PC3 Ant6 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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.48	18.44	18.26	19.8	0.0
100	PI/2 BPSK	1	137	18.26	18.29	18.24		
100	PI/2 BPSK	1	271	18.30	18.32	18.20		
100	PI/2 BPSK	135	0	18.41	18.44	18.20	19.8	0.0
100	PI/2 BPSK	135	69	18.20	18.33	18.30	19.8	0.0
100	PI/2 BPSK	135	138	18.18	18.30	18.22	19.8	0.0
100	PI/2 BPSK	270	0	18.21	18.25	18.31		
100	QPSK	1	1	18.46	18.53	18.50	19.8	0.0
100	QPSK	1	137	18.31	18.49	18.42		
100	QPSK	1	271	18.36	18.50	18.40		
100	QPSK	135	0	18.13	18.22	18.11	19.8	0.0
100	QPSK	135	69	18.31	18.40	18.34	19.8	0.0
100	QPSK	135	138	18.12	18.23	18.10	19.8	0.0
100	QPSK	270	0	18.09	18.20	18.09		



100	16QAM	1	1	18.15	18.34	18.15	19.8	0.0
100	64QAM	1	1	18.18	18.23	18.12	19.8	0.0
100	256QAM	1	1	18.20	18.25	18.20	19.8	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.44	18.48	18.44	19.8	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.39	18.47	18.45	19.8	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.37	18.51	18.42	19.8	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.37	18.46	18.42	19.8	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.42	18.49	18.42	19.8	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	18.39	18.46	18.48	19.8	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.37	18.47	18.44	19.8	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.38	18.48	18.40	19.8	0.0



Part96 n78 PC3 Ant6 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				640000	641666	643332	19.8	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.40	18.28	18.11	19.8	0.0
100	PI/2 BPSK	1	137	18.20	18.20	18.10		
100	PI/2 BPSK	1	271	18.24	18.16	18.13		
100	PI/2 BPSK	135	0	18.25	18.38	18.07	19.8	0.0
100	PI/2 BPSK	135	69	18.10	18.24	18.22	19.8	0.0
100	PI/2 BPSK	135	138	18.08	18.23	18.12	19.8	0.0
100	PI/2 BPSK	270	0	18.15	18.19	18.22		
100	QPSK	1	1	18.42	18.46	18.40	19.8	0.0
100	QPSK	1	137	18.27	18.45	18.33		
100	QPSK	1	271	18.26	18.41	18.35		
100	QPSK	135	0	17.97	18.09	18.03	19.8	0.0
100	QPSK	135	69	18.24	18.34	18.29	19.8	0.0
100	QPSK	135	138	17.98	18.11	18.05	19.8	0.0
100	QPSK	270	0	17.98	18.07	17.98		
100	16QAM	1	1	18.10	18.23	18.11	19.8	0.0
100	64QAM	1	1	18.05	18.11	18.01	19.8	0.0
100	256QAM	1	1	18.15	18.10	18.14	19.8	0.0
Channel				639668	641666	643666	19.8	0.0
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.39	18.38	18.37	19.8	0.0
Channel				639334	641666	644000	19.8	0.0
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.37	18.40	18.33	19.8	0.0
Channel				639000	641666	644332	19.8	0.0
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.39	18.39	18.32	19.8	0.0
Channel				638668	641666	644666	19.8	0.0
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.40	18.40	18.31	19.8	0.0
Channel				638334	641666	645000	19.8	0.0
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.34	18.40	18.36	19.8	0.0
Channel				638000	641666	645332	19.8	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	18.36	18.37	18.35	19.8	0.0
Channel				637668	641666	645666	19.8	0.0
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.39	18.36	18.37	19.8	0.0
Channel				637334	641666	646000	19.8	0.0
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.39	18.38	18.37	19.8	0.0



Reduced Power Mode for DSI 5

n5 Ant0 DSI5								
BW [MHz]	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	PI/2 BPSK	1	1	22.00	22.17	22.04	23.6	0.0
20	PI/2 BPSK	1	53	22.01	21.98	22.13		
20	PI/2 BPSK	1	104	22.06	22.15	22.01		
20	PI/2 BPSK	50	0	21.98	21.92	21.98	23.6	0.0
20	PI/2 BPSK	50	28	21.99	22.02	21.97	23.6	0.0
20	PI/2 BPSK	50	56	21.95	21.87	22.01	23.6	0.0
20	PI/2 BPSK	100	0	21.97	21.96	21.94		
20	QPSK	1	1	22.12	22.19	22.16	23.6	0.0
20	QPSK	1	53	22.10	22.06	22.17		
20	QPSK	1	104	22.18	22.15	22.14		
20	QPSK	50	0	22.00	22.05	22.04	23.6	0.0
20	QPSK	50	28	22.03	22.12	22.09	23.6	0.0
20	QPSK	50	56	22.00	21.96	22.10	23.6	0.0
20	QPSK	100	0	22.07	22.10	22.02		
20	16QAM	1	1	22.01	22.14	22.06	23.6	0.0
20	64QAM	1	1	20.77	20.88	20.83	22.5	1.1
20	256QAM	1	1	18.96	18.99	18.84	20.5	3.1
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.09	22.09	22.13	23.6	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.06	22.15	22.08	23.6	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.99	22.16	22.03	23.6	0.0



n12 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.19	23.20	23.22	24.4	0.0
15	PI/2 BPSK	1	40	23.15	23.15	23.11		
15	PI/2 BPSK	1	77	23.13	23.20	23.21		
15	PI/2 BPSK	36	0	23.18	23.28	23.10	24.4	0.0
15	PI/2 BPSK	36	22	23.21	23.22	23.27	24.4	0.0
15	PI/2 BPSK	36	43	23.12	23.18	23.03	24.4	0.0
15	PI/2 BPSK	75	0	23.10	23.21	23.09		
15	QPSK	1	1	23.27	23.29	23.22	24.4	0.0
15	QPSK	1	40	23.07	23.23	23.16		
15	QPSK	1	77	23.22	23.22	23.25		
15	QPSK	36	0	22.82	22.87	22.80	24.0	0.4
15	QPSK	36	22	23.06	23.15	23.11	24.4	0.0
15	QPSK	36	43	22.75	22.78	22.65	24.0	0.4
15	QPSK	75	0	22.68	22.75	22.69		
15	16QAM	1	1	22.75	22.91	22.82	24.0	0.4
15	64QAM	1	1	20.93	20.96	20.92	22.5	1.9
	256QAM	1	1	19.02	19.13	18.96	20.5	3.9
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.20	23.18	23.23	24.4	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.21	23.21	23.26	24.4	0.0



n13 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		23.22		24.4	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.02			
10	PI/2 BPSK	25	0		23.18		24.4	0.0
10	PI/2 BPSK	25	14		23.19		24.4	0.0
10	PI/2 BPSK	25	27		23.14		24.4	0.0
10	PI/2 BPSK	50	0		23.15			
10	QPSK	1	1		23.26		24.4	0.0
10	QPSK	1	26		23.19			
10	QPSK	1	50		23.07			
10	QPSK	25	0		22.59		24.0	0.4
10	QPSK	25	14		23.08		24.4	0.0
10	QPSK	25	27		22.64		24.0	0.4
10	QPSK	50	0		22.62			
10	16QAM	1	1		22.79		24.0	0.4
10	64QAM	1	1		20.88		22.5	1.9
10	256QAM	1	1		18.97		20.5	3.9
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.22	23.22	23.17	24.4	0.0



n14 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.11		24.4	0.0
10	PI/2 BPSK	1	26		23.05			
10	PI/2 BPSK	1	50		23.15			
10	PI/2 BPSK	25	0		22.75		24.4	0.0
10	PI/2 BPSK	25	14		23.15		24.4	0.0
10	PI/2 BPSK	25	27		22.69		24.4	0.0
10	PI/2 BPSK	50	0		22.70			
10	QPSK	1	1		23.16		24.4	0.0
10	QPSK	1	26		23.15			
10	QPSK	1	50		23.09			
10	QPSK	25	0		22.60		24.0	0.4
10	QPSK	25	14		23.02		24.4	0.0
10	QPSK	25	27		22.61		24.0	0.4
10	QPSK	50	0		22.53			
10	16QAM	1	1		22.68		24.0	0.4
10	64QAM	1	1		20.80		22.5	1.9
10	256QAM	1	1		18.97		20.5	3.9
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.14	23.01	23.11	24.4	0.0



n26 Ant0 DSI5								
BW [MHz]	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	23.6	0.0
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.94	22.18	21.95		
20	PI/2 BPSK	1	53	21.96	22.02	21.88	23.6	0.0
20	PI/2 BPSK	1	104	21.94	22.03	21.93		
20	PI/2 BPSK	50	0	21.94	22.12	21.96		
20	PI/2 BPSK	50	28	21.95	22.15	22.01	23.6	0.0
20	PI/2 BPSK	50	56	21.92	21.99	21.92	23.6	0.0
20	PI/2 BPSK	100	0	21.96	22.06	21.81		
20	QPSK	1	1	22.07	22.23	22.05		
20	QPSK	1	53	21.96	22.07	21.87	23.6	0.0
20	QPSK	1	104	21.95	22.05	21.88		
20	QPSK	50	0	21.94	22.19	21.98		
20	QPSK	50	28	21.98	22.21	21.92	23.6	0.0
20	QPSK	50	56	21.95	22.20	21.99	23.6	0.0
20	QPSK	100	0	22.01	22.18	21.97		
20	16QAM	1	1	21.93	22.11	21.97		
20	64QAM	1	1	20.76	20.86	20.79	22.5	1.1
20	256QAM	1	1	18.86	19.00	18.97	20.5	3.1
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.03	22.13	21.92	23.6	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.02	22.18	22.03	23.6	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.98	22.12	21.92	23.6	0.0



n71 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	24.0	0.0
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.47	22.59	22.51		
20	PI/2 BPSK	1	53	22.52	22.57	22.45	23.5	0.5
20	PI/2 BPSK	1	104	22.41	22.58	22.56		
20	PI/2 BPSK	50	0	22.07	22.13	22.01		
20	PI/2 BPSK	50	28	22.38	22.51	22.46	24.0	0.0
20	PI/2 BPSK	50	56	21.95	22.03	21.99		
20	PI/2 BPSK	100	0	21.93	22.06	22.02		
20	QPSK	1	1	22.60	22.65	22.61	24.0	0.0
20	QPSK	1	53	22.40	22.57	22.50		
20	QPSK	1	104	22.48	22.62	22.58		
20	QPSK	50	0	21.47	21.55	21.48	23.0	1.0
20	QPSK	50	28	22.36	22.48	22.34		
20	QPSK	50	56	21.44	21.57	21.40		
20	QPSK	100	0	21.36	21.47	21.37	23.0	1.0
20	16QAM	1	1	21.62	21.65	21.58		
20	64QAM	1	1	19.65	19.79	19.70		
20	256QAM	1	1	17.62	17.76	17.66	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.57	22.55	22.45	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.53	22.57	22.58	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.48	22.53	22.59	24.0	0.0



n41 PC2 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.65	19.58	19.54	20.5	0.0
100	PI/2 BPSK	1	137	19.45	19.54	19.38		
100	PI/2 BPSK	1	271	19.46	19.54	19.34		
100	PI/2 BPSK	135	0	19.64	19.61	19.43	20.5	0.0
100	PI/2 BPSK	135	69	19.41	19.48	19.41	20.5	0.0
100	PI/2 BPSK	135	138	19.41	19.49	19.37	20.5	0.0
100	PI/2 BPSK	270	0	19.39	19.51	19.40		
100	QPSK	1	1	19.63	19.71	19.62	20.5	0.0
100	QPSK	1	137	19.53	19.61	19.59		
100	QPSK	1	271	19.46	19.61	19.56		
100	QPSK	135	0	19.24	19.35	19.27	20.5	0.0
100	QPSK	135	69	19.51	19.62	19.48	20.5	0.0
100	QPSK	135	138	19.31	19.42	19.31	20.5	0.0
100	QPSK	270	0	19.26	19.40	19.29		
100	16QAM	1	1	19.36	19.45	19.41	20.5	0.0
100	64QAM	1	1	19.36	19.40	19.30	20.5	0.0
100	256QAM	1	1	19.66	19.59	19.58	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.58	19.63	19.59	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.60	19.67	19.55	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.54	19.61	19.59	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.58	19.64	19.60	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.59	19.65	19.60	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.60	19.63	19.59	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.54	19.65	19.58	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.54	19.61	19.57	20.5	0.0



n5 Ant1 DS15								
BW [MHz]	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	23.6	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.72	21.86	21.70		
20	PI/2 BPSK	1	53	21.84	21.84	21.87	23.5	0.1
20	PI/2 BPSK	1	104	21.80	21.80	21.81		
20	PI/2 BPSK	50	0	21.54	21.61	21.51		
20	PI/2 BPSK	50	28	21.62	21.74	21.64	23.5	0.0
20	PI/2 BPSK	50	56	21.51	21.60	21.59		
20	PI/2 BPSK	100	0	21.52	21.62	21.54		
20	QPSK	1	1	21.82	22.12	21.81	23.6	0.1
20	QPSK	1	53	21.80	21.78	21.62		
20	QPSK	1	104	21.77	21.90	21.75		
20	QPSK	50	0	21.41	21.43	21.33	23.0	0.6
20	QPSK	50	28	21.77	22.05	21.88		
20	QPSK	50	56	21.26	21.36	21.24		
20	QPSK	100	0	21.34	21.39	21.30	23.0	0.6
20	16QAM	1	1	21.37	21.54	21.41		
20	64QAM	1	1	19.53	19.60	19.53		
20	256QAM	1	1	17.64	17.74	17.76	19.5	4.1
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.72	21.99	21.72	23.6	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.72	22.03	21.70	23.6	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.75	22.03	21.76	23.6	0.0



n12 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.31	22.41	22.27	24.0	0.0
15	PI/2 BPSK	1	40	22.28	22.39	22.25		
15	PI/2 BPSK	1	77	22.23	22.37	22.30		
15	PI/2 BPSK	36	0	21.88	21.90	21.83	23.5	0.5
15	PI/2 BPSK	36	22	22.21	22.24	22.26	24.0	0.0
15	PI/2 BPSK	36	43	21.77	21.86	21.75	23.5	0.5
15	PI/2 BPSK	75	0	21.76	21.89	21.78		
15	QPSK	1	1	22.38	22.49	22.39	24.0	0.0
15	QPSK	1	40	22.15	22.39	22.23		
15	QPSK	1	77	22.26	22.45	22.42		
15	QPSK	36	0	21.24	21.36	21.26	23.0	1.0
15	QPSK	36	22	22.19	22.32	22.09	24.0	0.0
15	QPSK	36	43	21.18	21.41	21.14	23.0	1.0
15	QPSK	75	0	21.21	21.32	21.17		
15	16QAM	1	1	21.37	21.45	21.42	23.0	1.0
15	64QAM	1	1	19.51	19.69	19.59	21.5	2.5
	256QAM	1	1	17.57	17.68	17.58	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.28	22.41	22.29	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.33	22.41	22.34	24.0	0.0



n13 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		22.20		24.0	0.0
10	PI/2 BPSK	1	26		22.36			
10	PI/2 BPSK	1	50		22.37			
10	PI/2 BPSK	25	0		21.52		23.5	0.5
10	PI/2 BPSK	25	14		22.17		24.0	0.0
10	PI/2 BPSK	25	27		21.54		23.5	0.5
10	PI/2 BPSK	50	0		21.60			
10	QPSK	1	1		22.42		24.0	0.0
10	QPSK	1	26		22.25			
10	QPSK	1	50		22.25			
10	QPSK	25	0		21.34		23.0	1.0
10	QPSK	25	14		22.17		24.0	0.0
10	QPSK	25	27		21.32		23.0	1.0
10	QPSK	50	0		21.46			
10	16QAM	1	1		21.57		23.0	1.0
10	64QAM	1	1		19.67		21.5	2.5
10	256QAM	1	1		17.75		19.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	22.33	22.28	22.28	24.0	0.0



n14 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		22.27		24.0	0.0
10	PI/2 BPSK	1	26		22.37			
10	PI/2 BPSK	1	50		22.48			
10	PI/2 BPSK	25	0		21.54		23.5	0.5
10	PI/2 BPSK	25	14		22.33		24.0	0.0
10	PI/2 BPSK	25	27		21.67		23.5	0.5
10	PI/2 BPSK	50	0		21.60			
10	QPSK	1	1		22.54		24.0	0.0
10	QPSK	1	26		22.22			
10	QPSK	1	50		22.35			
10	QPSK	25	0		21.48		23.0	1.0
10	QPSK	25	14		22.27		24.0	0.0
10	QPSK	25	27		21.40		23.0	1.0
10	QPSK	50	0		21.42			
10	16QAM	1	1		21.55		23.0	1.0
10	64QAM	1	1		19.69		21.5	2.5
10	256QAM	1	1		17.76		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	22.49	22.48	22.47	24.0	0.0



n26 Ant1 DSI5								
BW [MHz]	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	PI/2 BPSK	1	1	21.69	21.78	21.65	23.6	0.0
20	PI/2 BPSK	1	53	21.67	21.84	21.77		
20	PI/2 BPSK	1	104	21.64	21.77	21.70		
20	PI/2 BPSK	50	0	21.53	21.54	21.54	23.5	0.1
20	PI/2 BPSK	50	28	21.66	21.68	21.62	23.6	0.0
20	PI/2 BPSK	50	56	21.55	21.69	21.56	23.5	0.1
20	PI/2 BPSK	100	0	21.56	21.66	21.56		
20	QPSK	1	1	21.85	22.01	21.76	23.6	0.0
20	QPSK	1	53	21.65	21.75	21.71		
20	QPSK	1	104	21.63	21.69	21.63		
20	QPSK	50	0	21.34	21.33	21.22	23.0	0.6
20	QPSK	50	28	21.63	21.65	21.64	23.6	0.0
20	QPSK	50	56	21.27	21.29	21.11	23.0	0.6
20	QPSK	100	0	21.25	21.42	21.21		
20	16QAM	1	1	21.34	21.46	21.33	23.0	0.6
20	64QAM	1	1	19.56	19.57	19.52	21.5	2.1
20	256QAM	1	1	17.62	17.74	17.73	19.5	4.1
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.62	21.70	21.62	23.6	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	21.62	21.66	21.65	23.6	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.66	21.73	21.62	23.6	0.0



n71 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.20	22.23	22.19	24.0	0.0
20	PI/2 BPSK	1	53	22.31	22.37	22.34		
20	PI/2 BPSK	1	104	22.31	22.39	22.30		
20	PI/2 BPSK	50	0	21.57	21.52	21.58	23.5	0.5
20	PI/2 BPSK	50	28	22.07	22.22	22.13	24.0	0.0
20	PI/2 BPSK	50	56	21.57	21.59	21.51	23.5	0.5
20	PI/2 BPSK	100	0	21.57	21.60	21.59		
20	QPSK	1	1	22.39	22.53	22.30	24.0	0.0
20	QPSK	1	53	22.21	22.29	22.18		
20	QPSK	1	104	22.23	22.25	22.18		
20	QPSK	50	0	21.41	21.41	21.24	23.0	1.0
20	QPSK	50	28	22.11	22.23	22.06	24.0	0.0
20	QPSK	50	56	21.32	21.35	21.23	23.0	1.0
20	QPSK	100	0	21.29	21.48	21.29		
20	16QAM	1	1	21.38	21.60	21.47	23.0	1.0
20	64QAM	1	1	19.59	19.66	19.57	21.5	2.5
20	256QAM	1	1	17.64	17.80	17.69	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.28	22.46	22.17	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.30	22.45	22.17	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.29	22.44	22.23	24.0	0.0



n2 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	21.2	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.01	20.03	19.89		
20	PI/2 BPSK	1	53	19.91	19.98	19.72	21.2	0.0
20	PI/2 BPSK	1	104	19.86	19.89	19.63		
20	PI/2 BPSK	50	0	20.01	20.07	19.81		
20	PI/2 BPSK	50	28	19.79	19.85	19.85	21.2	0.0
20	PI/2 BPSK	50	56	19.78	19.94	19.72		
20	PI/2 BPSK	100	0	19.81	19.88	19.85		
20	QPSK	1	1	20.08	20.20	20.13	21.2	0.0
20	QPSK	1	53	19.91	20.14	19.95		
20	QPSK	1	104	19.98	20.05	19.87		
20	QPSK	50	0	19.64	19.69	19.78	21.2	0.0
20	QPSK	50	28	19.87	19.96	19.89		
20	QPSK	50	56	19.70	19.81	19.64		
20	QPSK	100	0	19.63	19.89	19.71	21.2	0.0
20	16QAM	1	1	19.77	19.88	19.79		
20	64QAM	1	1	19.98	20.10	20.05		
20	256QAM	1	1	18.87	18.85	18.64	20.5	0.7
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.04	20.15	20.10	21.2	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.03	20.17	20.05	21.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.03	20.13	20.09	21.2	0.0



n25 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000	21.2	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	20.06	20.18	20.04		
40	PI/2 BPSK	1	108	19.99	20.06	19.87	21.2	0.0
40	PI/2 BPSK	1	214	19.95	19.98	19.78		
40	PI/2 BPSK	108	0	20.11	20.11	19.90		
40	PI/2 BPSK	108	54	19.93	19.97	19.95	21.2	0.0
40	PI/2 BPSK	108	108	19.84	19.98	19.85		
40	PI/2 BPSK	216	0	19.90	20.01	19.93		
40	QPSK	1	1	20.17	20.21	20.15	21.2	0.0
40	QPSK	1	108	19.99	20.19	20.04		
40	QPSK	1	214	20.03	20.12	19.98		
40	QPSK	108	0	19.77	19.83	19.86	21.2	0.0
40	QPSK	108	54	19.98	20.11	19.96		
40	QPSK	108	108	19.84	19.96	19.77		
40	QPSK	216	0	19.71	19.86	19.82	21.2	0.0
40	16QAM	1	1	19.85	19.94	19.84		
40	64QAM	1	1	20.02	20.11	20.04		
40	256QAM	1	1	18.91	18.95	18.77	20.5	0.7
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.03	20.12	20.05	21.2	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.06	20.14	20.04	21.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.04	20.13	20.10	21.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	19.99	20.11	20.06	21.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	19.99	20.17	20.07	21.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.01	20.16	20.06	21.2	0.0



n66 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	22.6	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.63	21.63	21.54		
40	PI/2 BPSK	1	108	21.45	21.50	21.40	22.6	0.0
40	PI/2 BPSK	1	214	21.45	21.55	21.34		
40	PI/2 BPSK	108	0	21.67	21.64	21.40		
40	PI/2 BPSK	108	54	21.37	21.53	21.48	22.6	0.0
40	PI/2 BPSK	108	108	21.35	21.59	21.40		
40	PI/2 BPSK	216	0	21.48	21.50	21.44		
40	QPSK	1	1	21.73	21.74	21.69	22.6	0.0
40	QPSK	1	108	21.50	21.62	21.53		
40	QPSK	1	214	21.55	21.72	21.61		
40	QPSK	108	0	21.27	21.32	21.35	22.6	0.0
40	QPSK	108	54	21.56	21.68	21.55		
40	QPSK	108	108	21.30	21.48	21.31		
40	QPSK	216	0	21.28	21.44	21.31	22.6	0.0
40	16QAM	1	1	21.38	21.46	21.37		
40	64QAM	1	1	20.94	21.07	20.90		
40	256QAM	1	1	18.87	18.92	18.86	20.5	2.1
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.66	21.65	21.66	22.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.69	21.70	21.59	22.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.69	21.67	21.59	22.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.69	21.72	21.63	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.71	21.70	21.64	22.6	0.0



Part270 n77 PC2 Ant2 DSI5								
BW [MHz]	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	20.76	20.86	20.68	21.6	0.0
100	PI/2 BPSK	1	137	20.70	20.70	20.61		
100	PI/2 BPSK	1	271	20.65	20.77	20.60		
100	PI/2 BPSK	135	0	20.79	20.84	20.64	21.6	0.0
100	PI/2 BPSK	135	69	20.65	20.71	20.63	21.6	0.0
100	PI/2 BPSK	135	138	20.58	20.73	20.63	21.6	0.0
100	PI/2 BPSK	270	0	20.69	20.72	20.65		
100	QPSK	1	1	20.86	20.92	20.90	21.6	0.0
100	QPSK	1	137	20.77	20.83	20.73		
100	QPSK	1	271	20.72	20.82	20.78		
100	QPSK	135	0	20.49	20.63	20.59	19.6	2.0
100	QPSK	135	69	20.75	20.86	20.74	21.6	0.0
100	QPSK	135	138	20.50	20.63	20.58	21.6	0.0
100	QPSK	270	0	20.46	20.64	20.46		
100	16QAM	1	1	20.59	20.71	20.60	21.6	0.0
100	64QAM	1	1	20.60	20.57	20.50	21.6	0.0
100	256QAM	1	1	20.41	20.51	20.41	21.6	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.79	20.85	20.83	21.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.83	20.82	20.88	21.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.81	20.86	20.81	21.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.78	20.88	20.82	21.6	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.83	20.90	20.85	21.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.79	20.87	20.84	21.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.80	20.86	20.80	21.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.78	20.89	20.84	21.6	0.0



Part27Q n77 PC2 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.13		21.6	0.0
100	PI/2 BPSK	1	137		19.97			
100	PI/2 BPSK	1	271		20.04			
100	PI/2 BPSK	135	0		20.09		21.6	0.0
100	PI/2 BPSK	135	69		19.94		21.6	0.0
100	PI/2 BPSK	135	138		19.95		21.6	0.0
100	PI/2 BPSK	270	0		19.93			
100	QPSK	1	1		20.17		21.6	0.0
100	QPSK	1	137		20.06			
100	QPSK	1	271		20.09			
100	QPSK	135	0		19.84		21.6	0.0
100	QPSK	135	69		20.12		21.6	0.0
100	QPSK	135	138		19.91		21.6	0.0
100	QPSK	270	0		19.92			
100	16QAM	1	1		19.90		21.6	0.0
100	64QAM	1	1		19.77		21.6	0.0
100	256QAM	1	1		19.69		21.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.08	20.12	20.10	21.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.09	20.07	20.13	21.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.14	20.11	20.13	21.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.10	20.11	20.11	21.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.12	20.09	20.09	21.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.12	20.14	20.10	21.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.14	20.13	20.13	21.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.12	20.15	20.10	21.6	0.0



Part270 n78 PC2 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.74		21.6	0.0
100	PI/2 BPSK	1	137		20.57			
100	PI/2 BPSK	1	271		20.63			
100	PI/2 BPSK	135	0		20.73		21.6	0.0
100	PI/2 BPSK	135	69		20.66		21.6	0.0
100	PI/2 BPSK	135	138		20.64		21.6	0.0
100	PI/2 BPSK	270	0		20.67			
100	QPSK	1	1		20.82		21.6	0.0
100	QPSK	1	137		20.68			
100	QPSK	1	271		20.75			
100	QPSK	135	0		20.49		21.6	0.0
100	QPSK	135	69		20.73		21.6	0.0
100	QPSK	135	138		20.51		21.6	0.0
100	QPSK	270	0		20.57			
100	16QAM	1	1		20.61		21.6	0.0
100	64QAM	1	1		20.49		21.6	0.0
100	256QAM	1	1		20.38		21.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.77	20.72	20.76	21.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.73	20.78	20.77	21.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.79	20.75	20.75	21.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.77	20.75	20.80	21.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.72	20.77	20.78	21.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.75	20.79	20.76	21.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.80	20.73	20.72	21.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.73	20.74	20.77	21.6	0.0



Part27Q n78 PC2 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		21.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.74		21.6	0.0
100	PI/2 BPSK	1	137		19.85			
100	PI/2 BPSK	1	271		19.89			
100	PI/2 BPSK	135	0		19.69		21.6	0.0
100	PI/2 BPSK	135	69		19.69		21.6	0.0
100	PI/2 BPSK	135	138		19.62		21.6	0.0
100	PI/2 BPSK	270	0		19.85			
100	QPSK	1	1		19.90		21.6	0.0
100	QPSK	1	137		19.74			
100	QPSK	1	271		19.89			
100	QPSK	135	0		19.68		21.6	0.0
100	QPSK	135	69		19.76		21.6	0.0
100	QPSK	135	138		19.65		21.6	0.0
100	QPSK	270	0		19.64			
100	16QAM	1	1		19.85		21.6	0.0
100	64QAM	1	1		19.78		21.6	0.0
100	256QAM	1	1		19.65		21.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.81	19.84	19.84	21.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.86	19.81	19.87	21.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.86	19.87	19.80	21.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.87	19.82	19.87	21.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.83	19.81	19.87	21.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.81	19.86	19.85	21.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.84	19.85	19.84	21.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.80	19.82	19.84	21.6	0.0



Part96 n77 PC3 Ant2 DSIS								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.39	20.52	20.55	21.6	0.0
100	PI/2 BPSK	1	137	20.36	20.53	20.40		
100	PI/2 BPSK	1	271	20.60	20.61	20.42		
100	PI/2 BPSK	135	0	20.03	20.11	20.04	21.6	0.0
100	PI/2 BPSK	135	69	20.43	20.48	20.34	21.6	0.0
100	PI/2 BPSK	135	138	20.51	20.52	20.29	21.6	0.0
100	PI/2 BPSK	270	0	20.61	20.64	20.61		
100	QPSK	1	1	20.73	20.82	20.74	21.6	0.0
100	QPSK	1	137	20.56	20.65	20.56		
100	QPSK	1	271	20.59	20.78	20.69		
100	QPSK	135	0	20.48	20.67	20.48	21.6	0.0
100	QPSK	135	69	20.47	20.69	20.54	21.6	0.0
100	QPSK	135	138	20.41	20.60	20.45	21.6	0.0
100	QPSK	270	0	20.50	20.59	20.49		
100	16QAM	1	1	20.47	20.62	20.57	21.6	0.0
100	64QAM	1	1	20.75	20.74	20.52	21.6	0.0
100	256QAM	1	1	20.02	20.10	20.10	19.6	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.69	20.75	20.66	21.6	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.68	20.76	20.64	21.6	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.66	20.77	20.66	21.6	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.69	20.76	20.69	21.6	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.68	20.75	20.67	21.6	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	20.68	20.76	20.67	21.6	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.71	20.78	20.67	21.6	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.70	20.78	20.71	21.6	0.0



Part96 n78 PC3 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.24	20.30	20.37	21.6	0.0
100	PI/2 BPSK	1	137	20.20	20.29	20.19		
100	PI/2 BPSK	1	271	20.44	20.41	20.19		
100	PI/2 BPSK	135	0	19.85	19.91	19.88	21.6	0.0
100	PI/2 BPSK	135	69	20.20	20.27	20.17	21.6	0.0
100	PI/2 BPSK	135	138	20.27	20.31	20.14	21.6	0.0
100	PI/2 BPSK	270	0	20.47	20.45	20.35		
100	QPSK	1	1	20.55	20.59	20.54	21.6	0.0
100	QPSK	1	137	20.36	20.52	20.40		
100	QPSK	1	271	20.37	20.58	20.52		
100	QPSK	135	0	20.31	20.41	20.30	21.6	0.0
100	QPSK	135	69	20.28	20.55	20.39	21.6	0.0
100	QPSK	135	138	20.23	20.35	20.22	21.6	0.0
100	QPSK	270	0	20.32	20.33	20.24		
100	16QAM	1	1	20.29	20.37	20.39	21.6	0.0
100	64QAM	1	1	20.55	20.56	20.28	21.6	0.0
100	256QAM	1	1	19.81	19.90	19.95	19.6	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.46	20.53	20.51	21.6	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.45	20.52	20.49	21.6	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.50	20.53	20.47	21.6	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.48	20.51	20.51	21.6	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.50	20.50	20.51	21.6	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	20.47	20.55	20.45	21.6	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.48	20.55	20.46	21.6	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.47	20.53	20.50	21.6	0.0



n7 Ant3 DS15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	18.56	18.71	18.56	19.8	0.0
40	PI/2 BPSK	1	108	18.48	18.51	18.35		
40	PI/2 BPSK	1	214	18.43	18.53	18.36		
40	PI/2 BPSK	108	0	18.59	18.62	18.41	19.8	0.0
40	PI/2 BPSK	108	54	18.39	18.45	18.49	19.8	0.0
40	PI/2 BPSK	108	108	18.34	18.60	18.36	19.8	0.0
40	PI/2 BPSK	216	0	18.48	18.53	18.40		
40	QPSK	1	1	18.61	18.80	18.67	19.8	0.0
40	QPSK	1	108	18.50	18.54	18.62		
40	QPSK	1	214	18.50	18.73	18.45		
40	QPSK	108	0	18.25	18.37	18.35	19.8	0.0
40	QPSK	108	54	18.54	18.67	18.49	19.8	0.0
40	QPSK	108	108	18.34	18.42	18.31	19.8	0.0
40	QPSK	216	0	18.36	18.39	18.29		
40	16QAM	1	1	18.34	18.53	18.31	19.8	0.0
40	64QAM	1	1	18.57	18.72	18.61	19.8	0.0
40	256QAM	1	1	17.99	18.10	17.97	19.5	0.3
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.59	18.73	18.61	19.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.58	18.76	18.62	19.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.54	18.74	18.62	19.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.51	18.75	18.63	19.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.57	18.77	18.61	19.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.56	18.77	18.58	19.8	0.0



n30 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		17.42		18.7	0.0
10	PI/2 BPSK	1	26		17.42			
10	PI/2 BPSK	1	50		17.35			
10	PI/2 BPSK	25	0		17.47		18.7	0.0
10	PI/2 BPSK	25	14		17.47		18.7	0.0
10	PI/2 BPSK	25	27		17.43		18.7	0.0
10	PI/2 BPSK	50	0		17.36			
10	QPSK	1	1		17.54		18.7	0.0
10	QPSK	1	26		17.47			
10	QPSK	1	50		17.45			
10	QPSK	25	0		17.45		18.7	0.0
10	QPSK	25	14		17.51		17.7	1.0
10	QPSK	25	27		17.46		18.7	0.0
10	QPSK	50	0		17.44			
10	16QAM	1	1		17.42		18.7	0.0
10	64QAM	1	1		17.43		18.7	0.0
10	256QAM	1	1		17.41		18.7	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	17.33	17.39	17.35	18.7	0.0



n38 Ant3 DSI5								
BW [MHz]	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	2595	2599.98		
40	PI/2 BPSK	1	1	17.65	17.52	17.41	18.8	0.0
40	PI/2 BPSK	1	53	17.42	17.38	17.38		
40	PI/2 BPSK	1	104	17.42	17.37	17.24		
40	PI/2 BPSK	50	0	17.48	17.58	17.44	18.8	0.0
40	PI/2 BPSK	50	28	17.29	17.52	17.36	18.8	0.0
40	PI/2 BPSK	50	56	17.22	17.45	17.22	18.8	0.0
40	PI/2 BPSK	100	0	17.37	17.44	17.44		
40	QPSK	1	1	17.56	17.67	17.55	18.8	0.0
40	QPSK	1	53	17.41	17.53	17.47		
40	QPSK	1	104	17.49	17.57	17.43		
40	QPSK	50	0	17.14	17.39	17.26	18.8	0.0
40	QPSK	50	28	17.38	17.49	17.48	18.8	0.0
40	QPSK	50	56	17.25	17.46	17.28	18.8	0.0
40	QPSK	100	0	17.13	17.28	17.22		
40	16QAM	1	1	17.29	17.43	17.38	18.8	0.0
40	64QAM	1	1	17.27	17.32	17.21	18.8	0.0
40	256QAM	1	1	17.65	17.54	17.62	18.8	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	17.53	17.61	17.51	18.8	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	17.46	17.59	17.48	18.8	0.0



n41 PC2&PC3 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.69	17.62	17.55	18.8	0.0
100	PI/2 BPSK	1	137	17.53	17.51	17.49		
100	PI/2 BPSK	1	271	17.50	17.51	17.32		
100	PI/2 BPSK	135	0	17.63	17.68	17.52	18.8	0.0
100	PI/2 BPSK	135	69	17.43	17.57	17.46	18.8	0.0
100	PI/2 BPSK	135	138	17.36	17.53	17.37	18.8	0.0
100	PI/2 BPSK	270	0	17.50	17.55	17.52		
100	QPSK	1	1	17.67	17.78	17.66	18.8	0.0
100	QPSK	1	137	17.49	17.62	17.61		
100	QPSK	1	271	17.53	17.63	17.51		
100	QPSK	135	0	17.26	17.44	17.31	18.8	0.0
100	QPSK	135	69	17.53	17.61	17.55	18.8	0.0
100	QPSK	135	138	17.36	17.54	17.38	18.8	0.0
100	QPSK	270	0	17.25	17.37	17.28		
100	16QAM	1	1	17.36	17.53	17.44	18.8	0.0
100	64QAM	1	1	17.35	17.44	17.25	18.8	0.0
100	256QAM	1	1	17.55	17.74	17.58	18.8	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.48	17.58	17.52	18.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.48	17.64	17.48	18.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.46	17.63	17.53	18.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.48	17.61	17.51	18.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.52	17.63	17.52	18.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.48	17.65	17.49	18.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.49	17.59	17.49	18.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.47	17.60	17.53	18.8	0.0



Part270 n77 Ant3 DSI5								
BW [MHz]	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	24.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.66	22.82	22.74		
100	PI/2 BPSK	1	137	22.69	22.79	22.71	23.5	0.5
100	PI/2 BPSK	1	271	22.61	22.75	22.60	24.0	0.0
100	PI/2 BPSK	135	0	22.68	22.65	22.53	23.5	0.5
100	PI/2 BPSK	135	69	22.67	22.76	22.64	24.0	0.0
100	PI/2 BPSK	135	138	22.59	22.72	22.64	23.5	0.5
100	PI/2 BPSK	270	0	22.69	22.71	22.60	24.0	0.0
100	QPSK	1	1	22.84	23.02	22.76	24.0	0.0
100	QPSK	1	137	22.62	22.67	22.47	23.0	1.0
100	QPSK	1	271	22.55	22.78	22.68	24.0	0.0
100	QPSK	135	0	22.59	22.73	22.63	23.0	1.0
100	QPSK	135	69	22.67	22.79	22.68	24.0	0.0
100	QPSK	135	138	22.60	22.77	22.76	23.0	1.0
100	QPSK	270	0	22.81	22.89	22.72	23.0	1.0
100	16QAM	1	1	22.69	22.87	22.65	23.0	1.0
100	64QAM	1	1	22.35	22.53	22.54	23.0	1.0
100	256QAM	1	1	21.07	21.02	20.92	22.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.74	22.94	22.62	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.69	22.90	22.67	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.78	22.88	22.68	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.70	22.96	22.69	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.77	22.95	22.62	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.77	22.87	22.71	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.77	22.89	22.70	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		



20	QPSK	1	1	22.69	22.89	22.67	24.0	0.0
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Part270 n77 PC2 Ant3 DSI5								
BW [MHz]	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	16.74	16.72	16.54	17.4	0.0
100	PI/2 BPSK	1	137	16.51	16.59	16.50		
100	PI/2 BPSK	1	271	16.48	16.63	16.38		
100	PI/2 BPSK	135	0	16.67	16.72	16.60	17.4	0.0
100	PI/2 BPSK	135	69	16.52	16.64	16.51	17.4	0.0
100	PI/2 BPSK	135	138	16.49	16.65	16.52	17.4	0.0
100	PI/2 BPSK	270	0	16.55	16.54	16.52		
100	QPSK	1	1	16.78	16.81	16.73	17.4	0.0
100	QPSK	1	137	16.62	16.74	16.72		
100	QPSK	1	271	16.57	16.79	16.68		
100	QPSK	135	0	16.40	16.50	16.46	17.4	0.0
100	QPSK	135	69	16.58	16.73	16.62	17.4	0.0
100	QPSK	135	138	16.40	16.52	16.44	17.4	0.0
100	QPSK	270	0	16.35	16.49	16.42		
100	16QAM	1	1	16.40	16.53	16.39	17.4	0.0
100	64QAM	1	1	16.46	16.58	16.44	17.4	0.0
100	256QAM	1	1	16.43	16.57	16.45	17.4	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.72	16.77	16.68	17.4	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.75	16.77	16.68	17.4	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.74	16.78	16.64	17.4	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.72	16.78	16.70	17.4	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.74	16.76	16.67	17.4	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.68	16.76	16.66	17.4	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.72	16.75	16.68	17.4	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		



20	QPSK	1	1	16.72	16.78	16.67	17.4	0.0
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Part27Q n77 PC2 Ant3 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		17.4	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.46		17.4	0.0
100	PI/2 BPSK	1	137		16.28			
100	PI/2 BPSK	1	271		16.28			
100	PI/2 BPSK	135	0		16.50		17.4	0.0
100	PI/2 BPSK	135	69		16.37		17.4	0.0
100	PI/2 BPSK	135	138		16.31		17.4	0.0
100	PI/2 BPSK	270	0		16.24			
100	QPSK	1	1		16.51		17.4	0.0
100	QPSK	1	137		16.40			
100	QPSK	1	271		16.43			
100	QPSK	135	0		16.17		17.4	0.0
100	QPSK	135	69		16.41		17.4	0.0
100	QPSK	135	138		16.22		17.4	0.0
100	QPSK	270	0		16.17			
100	16QAM	1	1		16.31		17.4	0.0
100	64QAM	1	1		16.22		17.4	0.0
100	256QAM	1	1		16.21		17.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.44	16.42	16.42	17.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.46	16.41	16.41	17.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.47	16.42	16.44	17.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.46	16.43	16.44	17.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.43	16.45	16.42	17.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.45	16.46	16.42	17.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.46	16.43	16.42	17.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		



20	QPSK	1	1	16.45	16.44	16.41	17.4	0.0
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Part270 n78 PC2 Ant3 DSI5

BW [MHz]	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	17.4	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.58		17.4	0.0
100	PI/2 BPSK	1	137		16.51			
100	PI/2 BPSK	1	271		16.56			
100	PI/2 BPSK	135	0		16.66		17.4	0.0
100	PI/2 BPSK	135	69		16.50		17.4	0.0
100	PI/2 BPSK	135	138		16.52		17.4	0.0
100	PI/2 BPSK	270	0		16.48			
100	QPSK	1	1		16.70		17.4	0.0
100	QPSK	1	137		16.63			
100	QPSK	1	271		16.69			
100	QPSK	135	0		16.39		17.4	0.0
100	QPSK	135	69		16.69		17.4	0.0
100	QPSK	135	138		16.39		17.4	0.0
100	QPSK	270	0		16.36			
100	16QAM	1	1		16.44		17.4	0.0
100	64QAM	1	1		16.49		17.4	0.0
100	256QAM	1	1		16.45		17.4	0.0
Channel				649668	650000	650334	17.4	0.0
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.63	16.63	16.65	17.4	0.0
Channel				649334	650000	650668	17.4	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.61	16.63	16.68	17.4	0.0
Channel				649000	650000	651000	17.4	0.0
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.64	16.60	16.67	17.4	0.0
Channel				648668	650000	651334	17.4	0.0
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.60	16.68	16.62	17.4	0.0
Channel				648334	650000	651668	17.4	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.61	16.63	16.62	17.4	0.0
Channel				648000	650000	652000	17.4	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.61	16.67	16.62	17.4	0.0
Channel				647668	650000	652334	17.4	0.0
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.64	16.67	16.68	17.4	0.0
Channel				647334	650000	652668	17.4	0.0
Frequency (MHz)				3710.01	3750	3790.02		



20	QPSK	1	1	16.64	16.65	16.66	17.4	0.0
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Part27Q n78 PC2 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		17.4	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.32		17.4	0.0
100	PI/2 BPSK	1	137		16.21			
100	PI/2 BPSK	1	271		16.18		17.4	0.0
100	PI/2 BPSK	135	0		16.42			
100	PI/2 BPSK	135	69		16.21		17.4	0.0
100	PI/2 BPSK	135	138		16.26			
100	PI/2 BPSK	270	0		16.14		17.4	0.0
100	QPSK	0.0	1		16.45			
100	QPSK	1	137		16.34		17.4	0.0
100	QPSK	1	271		16.28			
100	QPSK	135	0		16.05		17.4	0.0
100	QPSK	135	69		16.37			
100	QPSK	135	138		16.10		17.4	0.0
100	QPSK	270	0		16.06			
100	16QAM	1	1		16.20		17.4	0.0
100	64QAM	1	1		16.10			
100	256QAM	1	1		16.11		17.4	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.43	16.41	16.40	17.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.39	16.35	16.42	17.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.40	16.42	16.38	17.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.42	16.39	16.42	17.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.38	16.40	16.36	17.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.37	16.40	16.40	17.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.42	16.36	16.35	17.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		



20	QPSK	1	1	16.43	16.41	16.42	17.4	0.0
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Part96 n77 PC3 Ant3 DS15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	17.4	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.53	16.60	16.48	17.4	0.0
100	PI/2 BPSK	1	137	16.35	16.46	16.37		
100	PI/2 BPSK	1	271	16.37	16.43	16.24		
100	PI/2 BPSK	135	0	16.52	16.61	16.40	17.4	0.0
100	PI/2 BPSK	135	69	16.34	16.43	16.35	17.4	0.0
100	PI/2 BPSK	135	138	16.26	16.46	16.38	17.4	0.0
100	PI/2 BPSK	270	0	16.35	16.39	16.42		
100	QPSK	1	1	16.61	16.65	16.62	17.4	0.0
100	QPSK	1	137	16.42	16.53	16.50		
100	QPSK	1	271	16.48	16.54	16.46		
100	QPSK	135	0	16.19	16.33	16.21	17.4	0.0
100	QPSK	135	69	16.49	16.55	16.43	17.4	0.0
100	QPSK	135	138	16.22	16.44	16.26	17.4	0.0
100	QPSK	270	0	16.26	16.28	16.21		
100	16QAM	1	1	16.32	16.39	16.28	17.4	0.0
100	64QAM	1	1	16.34	16.41	16.23	17.4	0.0
100	256QAM	1	1	16.28	16.38	16.32	17.4	0.0
Channel				639668	641666	643666	17.4	0.0
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.54	16.59	16.54	17.4	0.0
Channel				639334	641666	644000	17.4	0.0
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.51	16.61	16.52	17.4	0.0
Channel				639000	641666	644332	17.4	0.0
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.56	16.60	16.56	17.4	0.0
Channel				638668	641666	644666	17.4	0.0
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.55	16.56	16.52	17.4	0.0
Channel				638334	641666	645000	17.4	0.0
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.57	16.59	16.56	17.4	0.0
Channel				638000	641666	645332	17.4	0.0
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	16.53	16.58	16.54	17.4	0.0
Channel				637668	641666	645666	17.4	0.0
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.58	16.63	16.54	17.4	0.0
Channel				637334	641666	646000	17.4	0.0
Frequency (MHz)				3560.01	3624.99	3690		



20	QPSK	1	1	16.54	16.62	16.58	17.4	0.0
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Part96 n78 PC3 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.43	16.50	16.40	17.4	0.0
100	PI/2 BPSK	1	137	16.25	16.37	16.24		
100	PI/2 BPSK	1	271	16.22	16.37	16.14		
100	PI/2 BPSK	135	0	16.36	16.53	16.26	17.4	0.0
100	PI/2 BPSK	135	69	16.19	16.32	16.21	17.4	0.0
100	PI/2 BPSK	135	138	16.18	16.37	16.32	17.4	0.0
100	PI/2 BPSK	270	0	16.29	16.32	16.32		
100	QPSK	1	1	16.46	16.56	16.53	17.4	0.0
100	QPSK	1	137	16.38	16.39	16.41		
100	QPSK	1	271	16.33	16.49	16.38		
100	QPSK	135	0	16.05	16.22	16.07	17.4	0.0
100	QPSK	135	69	16.35	16.46	16.36	17.4	0.0
100	QPSK	135	138	16.17	16.35	16.14	17.4	0.0
100	QPSK	270	0	16.17	16.19	16.08		
100	16QAM	1	1	16.19	16.26	16.21	17.4	0.0
100	64QAM	1	1	16.30	16.34	16.08	17.4	0.0
100	256QAM	1	1	16.14	16.28	16.19	17.4	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.44	16.47	16.47	17.4	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.43	16.51	16.45	17.4	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.41	16.50	16.44	17.4	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.37	16.50	16.44	17.4	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.41	16.50	16.50	17.4	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	16.40	16.48	16.43	17.4	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.44	16.53	16.46	17.4	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		



20	QPSK	1	1	16.37	16.53	16.48	17.4	0.0
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n48 Part96 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.59	19.68	19.55	20.8	0.0
40	PI/2 BPSK	1	53	19.49	19.54	19.42		
40	PI/2 BPSK	1	104	19.46	19.50	19.38		
40	PI/2 BPSK	50	0	19.63	19.63	19.47	20.8	0.0
40	PI/2 BPSK	50	28	19.42	19.58	19.49	20.8	0.0
40	PI/2 BPSK	50	56	19.39	19.57	19.40	20.8	0.0
40	PI/2 BPSK	100	0	19.40	19.55	19.43		
40	QPSK	1	1	19.64	19.72	19.61	20.8	0.0
40	QPSK	1	53	19.54	19.69	19.57		
40	QPSK	1	104	19.48	19.69	19.52		
40	QPSK	50	0	19.58	19.63	19.58	20.8	0.0
40	QPSK	50	28	19.61	19.69	19.56	20.8	0.0
40	QPSK	50	56	19.57	19.66	19.54	20.8	0.0
40	QPSK	100	0	19.62	19.63	19.56		
40	16QAM	1	1	19.54	19.66	19.53	20.8	0.0
40	64QAM	1	1	19.69	19.70	19.66	20.5	0.3
40	256QAM	1	1	17.75	17.75	17.69	18.5	2.3
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.61	19.65	19.55	20.8	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.54	19.66	19.52	20.8	0.0



Part270 n77 PC2 Ant4 DSI5								
BW [MHz]	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	20.63	20.67	20.53	21.7	0.0
100	PI/2 BPSK	1	137	20.54	20.54	20.41		
100	PI/2 BPSK	1	271	20.45	20.53	20.37		
100	PI/2 BPSK	135	0	20.69	20.73	20.48	21.7	0.0
100	PI/2 BPSK	135	69	20.41	20.58	20.53	21.7	0.0
100	PI/2 BPSK	135	138	20.40	20.57	20.48	21.7	0.0
100	PI/2 BPSK	270	0	20.52	20.49	20.47		
100	QPSK	1	1	20.71	20.76	20.72	21.7	0.0
100	QPSK	1	137	20.52	20.69	20.68		
100	QPSK	1	271	20.56	20.64	20.64		
100	QPSK	135	0	20.27	20.43	20.41	21.7	0.0
100	QPSK	135	69	20.55	20.69	20.53	21.7	0.0
100	QPSK	135	138	20.41	20.55	20.43	21.7	0.0
100	QPSK	270	0	20.31	20.47	20.34		
100	16QAM	1	1	20.41	20.48	20.39	21.7	0.0
100	64QAM	1	1	20.37	20.51	20.37	21.7	0.0
100	256QAM	1	1	20.59	20.67	20.58	21.7	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.61	20.68	20.63	21.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.57	20.70	20.60	21.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.62	20.60	20.60	21.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.58	20.64	20.61	21.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.60	20.66	20.62	21.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.56	20.60	20.63	21.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.58	20.61	20.61	21.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.55	20.65	20.62	21.7	0.0



Part27Q n77 PC2 Ant4 DS15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.25		21.7	0.0
100	PI/2 BPSK	1	137		20.13			
100	PI/2 BPSK	1	271		20.10			
100	PI/2 BPSK	135	0		20.21		21.7	0.0
100	PI/2 BPSK	135	69		20.06		21.7	0.0
100	PI/2 BPSK	135	138		20.08		21.7	0.0
100	PI/2 BPSK	270	0		20.14			
100	QPSK	1	1		20.31		21.7	0.0
100	QPSK	1	137		20.24			
100	QPSK	1	271		20.25			
100	QPSK	135	0		19.97		21.7	0.0
100	QPSK	135	69		20.27		21.7	0.0
100	QPSK	135	138		20.09		21.7	0.0
100	QPSK	270	0		20.00			
100	16QAM	1	1		20.09		21.7	0.0
100	64QAM	1	1		20.03		21.7	0.0
100	256QAM	1	1		20.11		21.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.28	20.27	20.24	21.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.26	20.27	20.21	21.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.29	20.21	20.26	21.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.24	20.24	20.28	21.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.24	20.22	20.25	21.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.23	20.22	20.24	21.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.22	20.22	20.22	21.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.23	20.24	20.27	21.7	0.0



Part270 n78 PC2 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.53		21.7	0.0
100	PI/2 BPSK	1	137		20.38			
100	PI/2 BPSK	1	271		20.38			
100	PI/2 BPSK	135	0		20.69		21.7	0.0
100	PI/2 BPSK	135	69		20.45		21.7	0.0
100	PI/2 BPSK	135	138		20.42		21.7	0.0
100	PI/2 BPSK	270	0		20.44			
100	QPSK	1	1		20.70		21.7	0.0
100	QPSK	1	137		20.61			
100	QPSK	1	271		20.58			
100	QPSK	135	0		20.35		21.7	0.0
100	QPSK	135	69		20.61		21.7	0.0
100	QPSK	135	138		20.41		21.7	0.0
100	QPSK	270	0		20.34			
100	16QAM	1	1		20.43		21.7	0.0
100	64QAM	1	1		20.36		21.7	0.0
100	256QAM	1	1		20.54		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	20.67	20.65	20.63	21.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.60	20.66	20.61	21.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.65	20.66	20.65	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	20.63	20.61	20.63	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	20.66	20.62	20.61	21.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.63	20.66	20.65	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	20.67	20.68	20.64	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	20.64	20.61	20.60	21.7	0.0



Part27Q n78 PC2 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		21.7	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.16		21.7	0.0
100	PI/2 BPSK	1	137		19.99			
100	PI/2 BPSK	1	271		20.04			
100	PI/2 BPSK	135	0		20.12		21.7	0.0
100	PI/2 BPSK	135	69		20.01		21.7	0.0
100	PI/2 BPSK	135	138		19.96		21.7	0.0
100	PI/2 BPSK	270	0		20.09			
100	QPSK	1	1		20.26		21.7	0.0
100	QPSK	1	137		20.14			
100	QPSK	1	271		20.11			
100	QPSK	135	0		19.86		21.7	0.0
100	QPSK	135	69		20.23		21.7	0.0
100	QPSK	135	138		20.01		21.7	0.0
100	QPSK	270	0		19.88			
100	16QAM	1	1		19.97		21.7	0.0
100	64QAM	1	1		19.96		21.7	0.0
100	256QAM	1	1		20.11		21.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.23	20.17	20.16	21.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.18	20.18	20.18	21.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.19	20.17	20.19	21.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.20	20.20	20.22	21.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.20	20.16	20.22	21.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.20	20.22	20.16	21.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.17	20.23	20.18	21.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.17	20.19	20.19	21.7	0.0



Part96 n77 PC3 Ant4 DSIS								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.40	20.50	20.30	21.7	0.0
100	PI/2 BPSK	1	137	20.30	20.33	20.25		
100	PI/2 BPSK	1	271	20.28	20.28	20.11		
100	PI/2 BPSK	135	0	20.38	20.42	20.24	21.7	0.0
100	PI/2 BPSK	135	69	20.21	20.28	20.19	21.7	0.0
100	PI/2 BPSK	135	138	20.17	20.28	20.26	21.7	0.0
100	PI/2 BPSK	270	0	20.23	20.30	20.26		
100	QPSK	1	1	20.46	20.52	20.51	21.7	0.0
100	QPSK	1	137	20.35	20.47	20.42		
100	QPSK	1	271	20.30	20.51	20.31		
100	QPSK	135	0	20.07	20.17	20.11	21.7	0.0
100	QPSK	135	69	20.28	20.45	20.34	21.7	0.0
100	QPSK	135	138	20.09	20.21	20.18	21.7	0.0
100	QPSK	270	0	20.13	20.24	20.11		
100	16QAM	1	1	20.20	20.29	20.16	21.7	0.0
100	64QAM	1	1	20.20	20.22	20.13	21.7	0.0
100	256QAM	1	1	20.25	20.33	20.21	21.7	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.39	20.45	20.46	21.7	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.38	20.46	20.48	21.7	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.42	20.45	20.48	21.7	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.42	20.48	20.44	21.7	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.40	20.45	20.43	21.7	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	20.38	20.43	20.45	21.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.43	20.47	20.45	21.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.41	20.45	20.44	21.7	0.0



Part96 n78 PC3 Ant4 DSIS								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.25	20.42	20.15	21.7	0.0
100	PI/2 BPSK	1	137	20.17	20.22	20.12		
100	PI/2 BPSK	1	271	20.20	20.21	19.99		
100	PI/2 BPSK	135	0	20.30	20.37	20.10	21.7	0.0
100	PI/2 BPSK	135	69	20.15	20.13	20.11	21.7	0.0
100	PI/2 BPSK	135	138	20.11	20.21	20.11	21.7	0.0
100	PI/2 BPSK	270	0	20.18	20.22	20.17		
100	QPSK	1	1	20.39	20.46	20.41	21.7	0.0
100	QPSK	1	137	20.31	20.33	20.32		
100	QPSK	1	271	20.20	20.40	20.27		
100	QPSK	135	0	20.02	20.12	19.96	21.7	0.0
100	QPSK	135	69	20.13	20.31	20.20	21.7	0.0
100	QPSK	135	138	19.96	20.14	20.06	21.7	0.0
100	QPSK	270	0	20.08	20.12	20.06		
100	16QAM	1	1	20.07	20.23	20.03	21.7	0.0
100	64QAM	1	1	20.16	20.14	20.02	21.7	0.0
100	256QAM	1	1	20.21	20.15	20.11	21.7	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.36	20.44	20.35	21.7	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.34	20.39	20.36	21.7	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.34	20.43	20.38	21.7	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.34	20.37	20.35	21.7	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.31	20.39	20.32	21.7	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	20.34	20.39	20.37	21.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.33	20.37	20.35	21.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.33	20.42	20.33	21.7	0.0



n25 Ant5 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000	22.9	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.70	21.81	21.81		
40	PI/2 BPSK	1	108	21.43	21.60	21.50	22.9	0.0
40	PI/2 BPSK	1	214	21.61	21.64	21.41		
40	PI/2 BPSK	108	0	21.75	21.82	21.77		
40	PI/2 BPSK	108	54	21.71	21.82	21.77	22.9	0.0
40	PI/2 BPSK	108	108	21.38	21.57	21.47		
40	PI/2 BPSK	216	0	21.61	21.66	21.43		
40	QPSK	1	1	21.78	21.88	21.85	22.9	0.0
40	QPSK	1	108	21.46	21.63	21.55		
40	QPSK	1	214	21.69	21.68	21.46		
40	QPSK	108	0	21.68	21.74	21.68	22.9	0.0
40	QPSK	108	54	21.73	21.78	21.75		
40	QPSK	108	108	21.64	21.75	21.68		
40	QPSK	216	0	21.63	21.71	21.66	22.9	0.0
40	16QAM	1	1	21.72	21.82	21.79		
40	64QAM	1	1	21.74	21.83	21.78		
40	256QAM	1	1	19.69	19.71	19.55	20.5	2.4
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.69	21.83	21.78	22.9	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.69	21.85	21.75	22.9	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.70	21.86	21.79	22.9	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.74	21.83	21.81	22.9	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.76	21.85	21.75	22.9	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.69	21.85	21.76	22.9	0.0



n66 Ant5 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.21	23.35	23.16	24.0	0.0
40	PI/2 BPSK	1	108	23.20	23.29	23.15		
40	PI/2 BPSK	1	214	23.24	23.36	23.18		
40	PI/2 BPSK	108	0	23.22	23.31	23.21	24.0	0.0
40	PI/2 BPSK	108	54	23.23	23.34	23.14	24.0	0.0
40	PI/2 BPSK	108	108	23.22	23.34	23.20	24.0	0.0
40	PI/2 BPSK	216	0	23.20	23.32	23.15		
40	QPSK	1	1	23.27	23.45	23.24	24.0	0.0
40	QPSK	1	108	22.88	23.05	22.96		
40	QPSK	1	214	23.02	23.17	22.88		
40	QPSK	108	0	23.12	23.13	23.04	24.0	0.0
40	QPSK	108	54	23.17	23.36	23.20	24.0	0.0
40	QPSK	108	108	23.05	23.13	23.12	24.0	0.0
40	QPSK	216	0	23.04	23.07	23.03		
40	16QAM	1	1	23.19	23.29	23.19	24.0	0.0
40	64QAM	1	1	21.63	21.83	21.54	22.5	1.5
40	256QAM	1	1	19.58	19.65	19.39	20.5	3.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.23	23.38	23.20	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.24	23.38	23.19	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.22	23.42	23.17	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.24	23.41	23.17	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.20	23.38	23.14	24.0	0.0



n41 PC2 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.15	17.26	17.05	18.4	0.0
100	PI/2 BPSK	1	137	16.99	17.21	16.98		
100	PI/2 BPSK	1	271	16.78	16.94	16.79		
100	PI/2 BPSK	135	0	17.07	17.23	16.97	18.4	0.0
100	PI/2 BPSK	135	69	17.13	17.22	16.92	18.4	0.0
100	PI/2 BPSK	135	138	16.95	17.12	16.93	18.4	0.0
100	PI/2 BPSK	270	0	16.97	17.11	17.08		
100	QPSK	1	1	17.21	17.35	17.09	18.4	0.0
100	QPSK	1	137	17.05	17.25	17.05		
100	QPSK	1	271	16.88	17.00	16.85		
100	QPSK	135	0	17.11	17.31	17.07	18.4	0.0
100	QPSK	135	69	17.17	17.32	17.01	18.4	0.0
100	QPSK	135	138	16.98	17.20	17.02	18.4	0.0
100	QPSK	270	0	17.05	17.21	17.16		
100	16QAM	1	1	17.17	17.33	17.02	18.4	0.0
100	64QAM	1	1	16.97	17.21	17.01	18.4	0.0
100	256QAM	1	1	16.82	16.98	16.80	18.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.18	17.32	17.03	18.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.17	17.29	17.05	18.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.18	17.26	17.06	18.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.12	17.25	17.00	18.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.19	17.27	17.00	18.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.14	17.27	17.07	18.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.18	17.26	17.04	18.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.14	17.31	17.06	18.4	0.0



n41 PC2&PC3 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.10	17.13	17.01	18.3	0.0
100	PI/2 BPSK	1	137	16.95	17.04	16.95		
100	PI/2 BPSK	1	271	17.01	16.99	16.89		
100	PI/2 BPSK	135	0	17.17	17.24	16.98	18.3	0.0
100	PI/2 BPSK	135	69	16.99	17.05	16.93	18.3	0.0
100	PI/2 BPSK	135	138	16.88	17.07	16.98	18.3	0.0
100	PI/2 BPSK	270	0	16.95	16.97	17.00		
100	QPSK	1	1	17.17	17.25	17.21	18.3	0.0
100	QPSK	1	137	17.04	17.20	17.14		
100	QPSK	1	271	17.04	17.21	17.09		
100	QPSK	135	0	16.84	16.90	16.81	18.3	0.0
100	QPSK	135	69	17.09	17.11	17.02	18.3	0.0
100	QPSK	135	138	16.83	16.96	16.91	18.3	0.0
100	QPSK	270	0	16.79	17.00	16.80		
100	16QAM	1	1	16.88	16.97	16.85	18.3	0.0
100	64QAM	1	1	16.85	16.93	16.79	18.3	0.0
100	256QAM	1	1	16.96	16.96	16.88	18.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.11	17.18	17.14	18.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.14	17.15	17.14	18.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.14	17.17	17.16	18.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.09	17.16	17.19	18.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.07	17.19	17.17	18.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.15	17.17	17.16	18.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.13	17.21	17.15	18.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.13	17.18	17.18	18.3	0.0



Part270 n77 PC2&PC3 Ant6 DSI5								
BW [MHz]	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	17.28	17.47	17.22	18.1	0.0
100	PI/2 BPSK	1	137	17.35	17.41	17.37		
100	PI/2 BPSK	1	271	17.27	17.27	17.25		
100	PI/2 BPSK	135	0	17.31	17.50	17.28	18.1	0.0
100	PI/2 BPSK	135	69	17.27	17.49	17.27	18.1	0.0
100	PI/2 BPSK	135	138	17.34	17.39	17.33	18.1	0.0
100	PI/2 BPSK	270	0	17.27	17.32	17.19		
100	QPSK	1	1	17.35	17.55	17.32	18.1	0.0
100	QPSK	1	137	17.41	17.47	17.41		
100	QPSK	1	271	17.35	17.37	17.29		
100	QPSK	135	0	17.29	17.46	17.28	18.1	0.0
100	QPSK	135	69	17.32	17.53	17.24	18.1	0.0
100	QPSK	135	138	17.37	17.42	17.37	18.1	0.0
100	QPSK	270	0	17.29	17.30	17.24		
100	16QAM	1	1	17.28	17.52	17.23	18.1	0.0
100	64QAM	1	1	17.32	17.44	17.34	18.1	0.0
100	256QAM	1	1	17.26	17.35	17.25	18.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.32	17.48	17.24	18.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.30	17.47	17.29	18.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.27	17.48	17.24	18.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.25	17.52	17.26	18.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.26	17.47	17.25	18.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.33	17.52	17.26	18.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.27	17.51	17.24	18.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.25	17.52	17.26	18.1	0.0



Part27Q n77 PC2&PC3 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		18.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.53		18.1	0.0
100	PI/2 BPSK	1	137		17.32			
100	PI/2 BPSK	1	271		17.33			
100	PI/2 BPSK	135	0		17.37		18.1	0.0
100	PI/2 BPSK	135	69		17.51		18.1	0.0
100	PI/2 BPSK	135	138		17.40		18.1	0.0
100	PI/2 BPSK	270	0		17.42			
100	QPSK	1	1		17.62		18.1	0.0
100	QPSK	1	137		17.41			
100	QPSK	1	271		17.41			
100	QPSK	135	0		17.45		18.1	0.0
100	QPSK	135	69		17.54		18.1	0.0
100	QPSK	135	138		17.48		18.1	0.0
100	QPSK	270	0		17.44			
100	16QAM	1	1		17.55		18.1	0.0
100	64QAM	1	1		17.36		18.1	0.0
100	256QAM	1	1		17.32		18.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.59	17.56	17.57	18.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.58	17.55	17.53	18.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.57	17.60	17.58	18.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.57	17.53	17.53	18.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.57	17.53	17.56	18.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.52	17.58	17.56	18.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.55	17.59	17.59	18.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.53	17.59	17.59	18.1	0.0



Part270 n78 PC2&PC3 Ant6 DSI5								
BW [MHz]	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		17.41		18.1	0.0
100	PI/2 BPSK	1	137		17.33			
100	PI/2 BPSK	1	271		17.20			
100	PI/2 BPSK	135	0		17.42		18.1	0.0
100	PI/2 BPSK	135	69		17.40		18.1	0.0
100	PI/2 BPSK	135	138		17.31		16.6	1.5
100	PI/2 BPSK	270	0		17.29			
100	QPSK	1	1		17.52		18.1	0.0
100	QPSK	1	137		17.39			
100	QPSK	1	271		17.30			
100	QPSK	135	0		17.37		18.1	0.0
100	QPSK	135	69		17.44		18.1	0.0
100	QPSK	135	138		17.34		18.1	0.0
100	QPSK	270	0		17.21			
100	16QAM	1	1		17.50		16.1	2.0
100	64QAM	1	1		17.40		15.1	3.0
100	256QAM	1	1		17.27		18.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.48	17.43	17.43	18.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.47	17.45	17.44	18.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.49	17.43	17.44	18.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.44	17.49	17.48	18.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.50	17.43	17.50	18.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.44	17.48	17.44	18.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.46	17.48	17.49	18.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.48	17.49	17.44	18.1	0.0



Part96 n77 PC3 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.85	16.96	16.90	18.1	0.0
100	PI/2 BPSK	1	137	16.53	16.56	16.58		
100	PI/2 BPSK	1	271	16.50	16.46	16.44		
100	PI/2 BPSK	135	0	16.88	16.91	16.88	18.1	0.0
100	PI/2 BPSK	135	69	16.86	16.92	16.93	18.1	0.0
100	PI/2 BPSK	135	138	16.56	16.55	16.54	18.1	0.0
100	PI/2 BPSK	270	0	16.50	16.49	16.48		
100	QPSK	1	1	16.96	17.01	16.98	18.1	0.0
100	QPSK	1	137	16.63	16.61	16.64		
100	QPSK	1	271	16.59	16.57	16.53		
100	QPSK	135	0	16.89	16.88	16.94	18.1	0.0
100	QPSK	135	69	16.86	16.95	16.89	18.1	0.0
100	QPSK	135	138	16.57	16.53	16.59	18.1	0.0
100	QPSK	270	0	16.78	16.88	16.72		
100	16QAM	1	1	16.86	16.90	16.88	18.1	0.0
100	64QAM	1	1	16.56	16.53	16.53	18.1	0.0
100	256QAM	1	1	16.54	16.51	16.47	18.1	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.90	16.94	16.91	18.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.93	16.98	16.95	18.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.92	16.95	16.91	18.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.90	16.98	16.89	18.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.92	16.91	16.94	18.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	16.93	16.92	16.93	18.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.89	16.96	16.94	18.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.90	16.92	16.94	18.1	0.0



Part96 n78 PC3 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.75	16.90	16.85	18.1	0.0
100	PI/2 BPSK	1	137	16.45	16.50	16.52		
100	PI/2 BPSK	1	271	16.40	16.36	16.39		
100	PI/2 BPSK	135	0	16.77	16.81	16.77	18.1	0.0
100	PI/2 BPSK	135	69	16.78	16.82	16.82	18.1	0.0
100	PI/2 BPSK	135	138	16.48	16.46	16.49	18.1	0.0
100	PI/2 BPSK	270	0	16.41	16.38	16.43		
100	QPSK	1	1	16.84	16.91	16.86	18.1	0.0
100	QPSK	1	137	16.54	16.50	16.54		
100	QPSK	1	271	16.53	16.50	16.41		
100	QPSK	135	0	16.85	16.80	16.83	18.1	0.0
100	QPSK	135	69	16.75	16.87	16.84	18.1	0.0
100	QPSK	135	138	16.52	16.46	16.48	18.1	0.0
100	QPSK	270	0	16.71	16.78	16.61		
100	16QAM	1	1	16.78	16.82	16.78	18.1	0.0
100	64QAM	1	1	16.51	16.43	16.42	18.1	0.0
100	256QAM	1	1	16.45	16.47	16.40	18.1	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.81	16.84	16.83	18.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.77	16.85	16.76	18.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.77	16.85	16.77	18.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.81	16.89	16.78	18.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.79	16.84	16.76	18.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	16.78	16.87	16.82	18.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.79	16.85	16.77	18.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.79	16.89	16.77	18.1	0.0



<WLAN Conducted Power>

General Note:

1. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For "Not required", SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration. Additional output power measurements were not necessary.
2. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
3. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
4. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
5. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.18 The initial test position procedure is described in the following:
 - a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
 - b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
 - c. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
6. 802.11 ax supports both full tone size mode and partial tone size mode, after verification on partial tone size mode that partial size tone mode power will not be higher than full tone size mode, therefore, full tone mode power was chosen to be measured in this report.
7. For WLAN2.4GHz/5GHz SISO & MIMO(CDD) &TX Beamforming mode of 802.11ax, and WLAN SISO & TX Beamforming mode is not higher than WLAN MIMO(CDD) mode, so conducted power of WLAN2.4GHz/5GHz SISO &Tx Beamforming mode is not required.
8. SISO and MIMO all supported by WLAN2.4GHz/WLAN5GHz, for SISO mode power is less than per chain power of MIMO mode. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to their higher conducted power, so only chose MIMO mode to perform SAR testing. However, in order to do SISO simultaneous transmission, additional tested the WLAN 2.4GHz SISO antenna 9.
9. For the conducted power measurement is MIMO chains transmitting simultaneously and measured the separately conducted power for both chains and then based on the conducted power of two antennas respectively to calculate sum of the power for MIMO mode.



<WLAN2.4GHZ>

				Ant 7 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 9 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 7+9 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 7 HeadStandalone Non DBS Body-Worn&Extremity Standalone DBS only		Ant 9 HeadStandalone Non DBS Body-Worn&Extremity Standalone DBS only		Ant 7+9 HeadStandalone Non DBS Body-Worn&Extremity Standalone DBS only	
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
	802.11b 1Mbps	1	2412	18.55	20.00	18.30	20.00	21.44	23.00	16.54	18.00	16.63	18.00	19.60	21.00
		6	2437	17.70	19.50	17.71	19.50	20.72	22.50	16.68	18.00	16.60	18.00	19.65	21.00
		11	2462	19.46	21.00	19.54	21.00	22.51	24.00	16.73	18.00	16.64	18.00	19.70	21.00
	802.11g 6Mbps	1	2412	17.96	19.50	17.85	19.50	20.92	22.50	Not Required	18.00	Not Required	18.00	21.00	
		6	2437	18.80	20.50	19.12	20.50	21.97	23.50		18.00		18.00	21.00	
		11	2462	17.23	18.50	17.32	19.00	20.29	21.80		18.00		18.00	21.00	
	802.11n-HT20 MCS0	1	2412	17.33	19.00	17.21	18.50	20.28	21.80		18.00		18.00	21.00	
		6	2437	18.16	19.50	18.36	19.00	21.27	22.30		18.00		18.00	21.00	
		11	2462	17.15	18.50	17.39	18.50	20.28	21.50		18.00		18.00	21.00	
802.11ac-VHT20 MCS0	1	2412	17.37	18.50	17.25	19.00	20.32	21.80	18.00		18.00		21.00		
	6	2437	18.21	20.00	18.39	19.50	21.31	22.80	18.00		18.00		21.00		
	11	2462	17.18	18.50	17.41	19.00	20.31	21.80	18.00		18.00		21.00		
802.11ax-HE20 MCS0	1	2412	17.41	19.00	17.28	18.50	20.36	21.80	18.00		18.00		21.00		
	6	2437	18.23	19.50	18.41	20.00	21.33	22.80	18.00	18.00	21.00				
	11	2462	17.21	18.50	17.46	19.00	20.35	21.80	18.00	18.00	21.00				

				Ant 7 Head Standalone DBS only		Ant 9 Head Standalone DBS only		Ant 7+9 Head Standalone DBS only		Ant 7 Head Simultaneous Non DBS		Ant 9 Head Simultaneous Non DBS		Ant 7+9 Head Simultaneous Non DBS	
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
	802.11b 1Mbps	1	2412	13.68	15.00	13.62	15.00	16.66	18.00	12.33	14.00	12.24	14.00	15.30	17.00
		6	2437	13.66	15.00	13.64	15.00	16.66	18.00	12.48	14.00	12.16	14.00	15.33	17.00
		11	2462	13.51	15.00	13.70	15.00	16.62	18.00	12.49	14.00	12.26	14.00	15.39	17.00
	802.11g 6Mbps	1	2412	Not Required	15.00	Not Required	15.00	Not Required	18.00	Not Required	14.00	Not Required	14.00	Not Required	17.00
		6	2437		15.00		15.00		18.00		14.00		14.00		17.00
		11	2462		15.00		15.00		18.00		14.00		14.00		17.00
	802.11n-HT20 MCS0	1	2412		15.00		15.00		18.00		14.00		14.00		17.00
		6	2437		15.00		15.00		18.00		14.00		14.00		17.00
		11	2462		15.00		15.00		18.00		14.00		14.00		17.00
802.11ac-VHT20 MCS0	1	2412	15.00		15.00		18.00		14.00		14.00		17.00		
	6	2437	15.00		15.00		18.00		14.00		14.00		17.00		
	11	2462	15.00		15.00		18.00		14.00		14.00		17.00		
802.11ax-HE20 MCS0	1	2412	15.00		15.00		18.00		14.00		14.00		17.00		
	6	2437	15.00	15.00	18.00	14.00	14.00	17.00							
	11	2462	15.00	15.00	18.00	14.00	14.00	17.00							



	Mode	Channel	Frequency (MHz)	Ant 7 Head Simultaneous DBS		Ant 9 Head Simultaneous DBS		Ant 7+9 Head Simultaneous DBS		Ant 7 Hotspot Standalone Non DBS		Ant 9 Hotspot Standalone Non DBS		Ant 7+9 Hotspot Standalone Non DBS	
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	9.93	11.50	9.34	11.00	12.66	14.30	18.55	20.00	18.30	20.00	21.44	23.00
		6	2437	9.94	11.50	9.45	11.00	12.71	14.30	17.70	19.00	17.71	19.00	20.72	22.00
		11	2462	9.97	11.50	9.52	11.00	12.76	14.30	18.58	20.00	18.54	20.00	21.57	23.00
	802.11g 6Mbps	1	2412		11.50		11.00		14.30		19.50		19.50		22.50
		6	2437		11.50		11.00		14.30		20.00		20.00		23.00
		11	2462		11.50		11.00		14.30		18.50		19.00		21.80
	802.11n-HT20 MCS0	1	2412		11.50		11.00		14.30		19.00		18.50		21.80
		6	2437		11.50		11.00		14.30		19.50		19.00		22.30
		11	2462	Not Required	11.50	Not Required	11.00	Not Required	14.30	Not Required	18.50	Not Required	18.50	Not Required	21.50
	802.11ac-VHT20 MCS0	1	2412	Required	11.50	Required	11.00	Required	14.30	Required	18.50	Required	19.00	Required	21.80
		6	2437		11.50		11.00		14.30		20.00		19.50		22.80
		11	2462		11.50		11.00		14.30		18.50		19.00		21.80
	802.11ax-HE20 MCS0	1	2412		11.50		11.00		14.30		19.00		18.50		21.80
		6	2437		11.50		11.00		14.30		19.50		20.00		22.80
		11	2462		11.50		11.00		14.30		18.50		19.00		21.80

	Mode	Channel	Frequency (MHz)	Ant 7 Hotspot Standalone DBS only		Ant 9 Hotspot Standalone DBS only		Ant 7+9 Hotspot Standalone DBS only		Ant 7 Hotspot Simultaneous Non DBS Body-Worn&Extremity Simultaneous Non DBS		Ant 9 Hotspot Simultaneous Non DBS Body-Worn&Extremity Simultaneous Non DBS		Ant 7+9 Hotspot Simultaneous Non DBS Body-Worn&Extremity Simultaneous Non DBS	
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.69	17.00	15.56	17.00	18.64	20.00	14.40	15.50	14.00	15.50	17.21	18.50
		6	2437	15.77	17.00	15.59	17.00	18.69	20.00	14.32	15.50	14.06	15.50	17.20	18.50
		11	2462	15.64	17.00	15.78	17.00	18.72	20.00	14.18	15.50	14.29	15.50	17.25	18.50
	802.11g 6Mbps	1	2412		17.00		17.00		20.00		15.50		15.50		18.50
		6	2437		17.00		17.00		20.00		15.50		15.50		18.50
		11	2462		17.00		17.00		20.00		15.50		15.50		18.50
	802.11n-HT20 MCS0	1	2412		17.00		17.00		20.00		15.50		15.50		18.50
		6	2437		17.00		17.00		20.00		15.50		15.50		18.50
		11	2462	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	15.50	Not Required	15.50	Not Required	18.50
	802.11ac-VHT20 MCS0	1	2412	Required	17.00	Required	17.00	Required	20.00	Not Required	15.50	Not Required	15.50	Not Required	18.50
		6	2437		17.00		17.00		20.00		15.50		15.50		18.50
		11	2462		17.00		17.00		20.00		15.50		15.50		18.50
	802.11ax-HE20 MCS0	1	2412		17.00		17.00		20.00		15.50		15.50		18.50
		6	2437		17.00		17.00		20.00		15.50		15.50		18.50
		11	2462		17.00		17.00		20.00		15.50		15.50		18.50



Mode	Channel	Frequency (MHz)	Ant 7 Hotspot Simultaneous DBS Body-Worn&Extremity Simultaneous DBS		Ant 9 Hotspot DBS Body-Worn&Extremity Simultaneous DBS		Ant 7+9 Hotspot Simultaneous DBS Body-Worn&Extremity Simultaneous DBS		
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	12.00	13.50	11.68	13.50	14.85	16.50
		6	2437	12.07	13.50	11.65	13.50	14.88	16.50
		11	2462	12.12	13.50	11.92	13.50	15.03	16.50
	802.11g 6Mbps	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.50
		6	2437		13.50		16.50		
		11	2462		13.50		16.50		
	802.11n-HT20 MCS0	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.50
		6	2437		13.50		16.50		
		11	2462		13.50		16.50		
802.11ac-VHT20 MCS0	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.50	
	6	2437		13.50		16.50			
	11	2462		13.50		16.50			
802.11ax-HE20 MCS0	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.50	
	6	2437		13.50		16.50			
	11	2462		13.50		16.50			

Mode	Ant 9 Full Power Body-Worn&Extremity Standalone Non DBS&Standalone DBS only&Simultaneous Non DBS Hotspot Standalone Non DBS		Ant 9 Head Standalone Non DBS Body-Worn&Extremity Simultaneous DBS		Ant 9 Head Standalone DBS only		Ant 9 Head Simultaneous Non DBS		Ant 9 Head Simultaneous DBS		Ant 9 Hotspot Standalone DBS only		Ant 9 Hotspot Simultaneous Non DBS		Ant 9 Hotspot Simultaneous DBS		Duty Cycle %
	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11b 1Mbps	18.30	20.00	17.63	19.00	14.61	16.00	13.09	14.50	10.05	11.50	18.30	20.00	17.12	18.50	14.00	15.50	98.35
	17.71	19.50	17.60	19.00	14.65	16.00	13.13	14.50	10.11	11.50	17.71	19.00	17.08	18.50	14.06	15.50	
	19.54	21.00	17.65	19.00	14.71	16.00	13.19	14.50	10.14	11.50	18.54	20.00	17.13	18.50	14.29	15.50	
802.11g 6Mbps	17.85	19.50	Not Required	19.00	Not Required	16.00	Not Required	14.50	Not Required	11.50	Not Required	19.50	Not Required	18.50	Not Required	15.50	100.00
	19.12	20.50		19.00		16.00		14.50		11.50		20.00		18.50		15.50	
	17.32	19.00		19.00		16.00		14.50		11.50		19.00		18.50		15.50	
802.11n-HT20 MCS0	17.21	18.50	Not Required	18.50	Not Required	16.00	Not Required	14.50	Not Required	11.50	Not Required	18.50	Not Required	18.50	Not Required	15.50	100.00
	18.36	19.00		19.00		16.00		14.50		11.50		19.00		18.50		15.50	
	17.39	18.50		18.50		16.00		14.50		11.50		18.50		18.50		15.50	
802.11ac-VHT20 MCS0	17.25	19.00	Not Required	19.00	Not Required	16.00	Not Required	14.50	Not Required	11.50	Not Required	19.00	Not Required	18.50	Not Required	15.50	100.00
	18.39	19.50		19.50		16.00		14.50		11.50		19.50		18.50		15.50	
	17.41	19.00		19.00		16.00		14.50		11.50		19.00		18.50		15.50	
802.11ax-HE20 MCS0	17.28	18.50	Not Required	18.50	Not Required	16.00	Not Required	14.50	Not Required	11.50	Not Required	18.50	Not Required	18.50	Not Required	15.50	100.00
	18.41	20.00		19.00		16.00		14.50		11.50		20.00		18.50		15.50	
	17.46	19.00		19.00		16.00		14.50		11.50		19.00		18.50		15.50	



<WLAN5.2GHZ>

				Ant 8 Full Power		Ant 10 Full Power		Ant 8+10 Full Power		Ant 8 Head Standalone Non DBS		Ant 10 Head Standalone Non DBS		Ant 8+10 Head Standalone Non DBS				
				Body-Worn&Extremity Standalone Non DBS		Body-Worn&Extremity Standalone Non DBS		Body-Worn&Extremity Standalone Non DBS		Body-Worn&Extremity Simultaneous Non DBS		Body-Worn&Extremity Simultaneous Non DBS		Body-Worn&Extremity Simultaneous Non DBS				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
	802.11a 6Mbps	36	5180	19.37	21.00	18.75	20.50	22.08	23.80	Not Required	17.00	Not Required	16.50	19.80				
		40	5200	19.19	21.00	18.71	20.50	21.97	23.80									
		44	5220	19.28	21.00	18.64	20.50	21.98	23.80									
		48	5240	19.33	21.00	19.21	21.00	22.28	24.00									
	802.11n-HT20 MCS0	36	5180	18.35	20.00	17.99	19.50	21.18	22.80									
		40	5200	18.32	20.00	17.93	19.50	21.14	22.80									
		44	5220	18.36	20.00	17.82	19.50	21.11	22.80									
		48	5240	18.31	20.00	18.07	20.00	21.20	23.00									
	802.11n-HT40 MCS0	38	5190	17.61	19.50	17.27	19.00	20.45	22.30									
		46	5230	17.51	19.50	16.94	18.50	20.24	22.00									
	802.11ac-VHT20 MCS0	36	5180	18.40	20.00	18.06	20.00	21.24	23.00									
		40	5200	18.39	20.00	18.00	19.50	21.21	22.80									
		44	5220	18.40	20.00	17.88	19.50	21.16	22.80									
		48	5240	18.36	20.00	18.12	20.00	21.25	23.00									
	802.11ac-VHT40 MCS0	38	5190	17.65	19.50	17.34	19.00	20.51	22.30									
46		5230	17.56	19.50	17.00	18.50	20.30	22.00										
802.11ac-VHT80 MCS0	42	5210	17.35	19.00	17.13	19.00	20.25	22.00	15.48	17.00	14.95	16.50	18.23	19.80				
802.11ax-HE20 MCS0	36	5180	18.48	20.00	18.07	20.00	21.29	23.00	Not Required	17.00	Not Required	16.50	19.80					
	40	5200	18.44	20.00	18.08	20.00	21.27	23.00										
	44	5220	18.48	20.00	17.95	19.50	21.23	22.80										
	48	5240	18.39	20.00	18.16	20.00	21.29	23.00										
802.11ax-HE40 MCS0	38	5190	17.71	19.50	17.38	19.00	20.56	22.30										
	46	5230	17.60	19.50	17.04	19.00	20.34	22.30										
802.11ax-HE80 MCS0	42	5210	17.41	19.00	17.18	19.00	20.31	22.00						17.00	17.00	16.50	16.50	19.80

				Ant 8 Head Standalone DBS only		Ant 10 Head Standalone DBS only		Ant 8+10 Head Standalone DBS only		Ant 8 Head Simultaneous Non DBS		Ant 10 Head Simultaneous Non DBS		Ant 8+10 Head Simultaneous Non DBS		Ant 8 Head Simultaneous DBS							
				Body-Worn&Extremity Simultaneous DBS		Body-Worn&Extremity Simultaneous DBS		Body-Worn&Extremity Simultaneous DBS		Body-Worn&Extremity Simultaneous DBS		Body-Worn&Extremity Simultaneous DBS		Body-Worn&Extremity Simultaneous DBS		Body-Worn&Extremity Simultaneous DBS							
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit						
	802.11a 6Mbps	36	5180	Not Required	14.00	Not Required	13.50	Not Required	16.80	Not Required	13.00	Not Required	12.00	Not Required	15.50	Not Required	10.00						
		40	5200		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
		44	5220		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
		48	5240		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
	802.11n-HT20 MCS0	36	5180		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
		40	5200		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
		44	5220		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
	802.11n-HT40 MCS0	38	5190		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
		46	5230		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
	802.11ac-VHT20 MCS0	36	5180		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
		40	5200		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
		44	5220		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
	802.11ac-VHT40 MCS0	38	5190		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
		46	5230		14.00		13.50		16.80		13.00		12.00		15.50		10.00						
	802.11ac-VHT80 MCS0	42	5210		12.55		14.00		12.06		13.50		15.32		16.80		11.41	13.00	10.62	12.00	14.04	15.50	8.66



802.11ax-HE20 MCS0	36	5180	Not Required	14.00	Not Required	13.50	Not Required	16.80	Not Required	13.00	Not Required	12.00	Not Required	15.50	Not Required	10.00	
	40	5200		14.00		13.50		16.80		13.00		12.00		15.50		10.00	
	44	5220		14.00		13.50		16.80		13.00		12.00		15.50		10.00	
	48	5240		14.00		13.50		16.80		13.00		12.00		15.50		10.00	
	802.11ax-HE40 MCS0	38		5190		14.00		13.50		16.80		13.00		12.00		15.50	10.00
		46		5230		14.00		13.50		16.80		13.00		12.00		15.50	10.00
	802.11ax-HE80 MCS0	42		5210		14.00		13.50		16.80		13.00		12.00		15.50	10.00

Mode	Channel	Frequency (MHz)	Ant 10 Head Simultaneous DBS		Ant 8+10 Head Simultaneous DBS		Ant 8 Hotspot Standalone Non DBS		Ant 10 Hotspot Standalone Non DBS		Ant 8+10 Hotspot Standalone Non DBS		Ant 8 Hotspot Standalone DBS only		Ant 10 Hotspot Standalone DBS only	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
802.11a 6Mbps	36	5180	Not Required	10.00	Not Required	13.00	18.39	20.00	17.80	19.50	21.12	22.80	Not Required	16.50	Not Required	16.00
	40	5200		10.00		13.00	18.36	20.00	17.93	19.50	21.15	22.80		16.50		16.00
	44	5220		10.00		13.00	18.38	20.00	17.88	19.50	21.14	22.80		16.50		16.00
	48	5240		10.00		13.00	18.25	20.00	17.98	19.50	21.12	22.80		16.50		16.00
802.11n-HT20 MCS0	36	5180	Not Required	10.00	Not Required	13.00	20.00	20.00	19.50	22.80	Not Required	22.80	Not Required	16.50	Not Required	16.00
	40	5200		10.00		13.00	20.00	19.50	22.80	16.50		16.00				
	44	5220		10.00		13.00	20.00	19.50	22.80	16.50		16.00				
802.11n-HT40 MCS0	38	5190	Not Required	10.00	Not Required	13.00	19.50	19.00	19.00	22.30	Not Required	22.30	Not Required	16.50	Not Required	16.00
	46	5230		10.00		13.00	19.50	18.50	22.00	16.50		16.00				
802.11ac-VHT20 MCS0	36	5180	Not Required	10.00	Not Required	13.00	Not Required	20.00	Not Required	19.50	Not Required	22.80	Not Required	16.50	Not Required	16.00
	40	5200		10.00		13.00		20.00		19.50		22.80		16.50		16.00
	44	5220		10.00		13.00		20.00		19.50		22.80		16.50		16.00
802.11ac-VHT40 MCS0	38	5190	Not Required	10.00	Not Required	13.00	19.50	19.00	19.00	22.30	Not Required	22.30	Not Required	16.50	Not Required	16.00
	46	5230		10.00		13.00	19.50	18.50	22.00	16.50		16.00				
802.11ac-VHT80 MCS0	42	5210	8.43	10.00	11.56	13.00	19.00	19.00	19.00	22.00	15.07	16.50	14.56	16.50	16.00	
802.11ax-HE20 MCS0	36	5180	Not Required	10.00	Not Required	13.00	20.00	20.00	19.50	22.80	Not Required	22.80	Not Required	16.50	Not Required	16.00
	40	5200		10.00		13.00	20.00	19.50	22.80	16.50		16.00				
	44	5220		10.00		13.00	20.00	19.50	22.80	16.50		16.00				
	48	5240		10.00		13.00	20.00	19.50	22.80	16.50		16.00				
802.11ax-HE40 MCS0	38	5190	Not Required	10.00	Not Required	13.00	19.50	19.00	19.00	22.30	Not Required	22.30	Not Required	16.50	Not Required	16.00
	46	5230		10.00		13.00	19.50	19.00	22.30	16.50		16.00				
802.11ax-HE80 MCS0	42	5210	10.00	13.00	19.00	19.00	19.00	19.00	22.00	16.50	16.50	16.00				

Mode	Channel	Frequency (MHz)	Ant 8+10 Hotspot Standalone DBS only		Ant 8 Hotspot Simultaneous Non DBS		Ant 10 Hotspot Simultaneous Non DBS		Ant 8+10 Hotspot Simultaneous Non DBS		Ant 8 Hotspot Simultaneous DBS		Ant 10 Hotspot Simultaneous DBS	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
802.11a 6Mbps	36	5180	Not Required	19.30	Not Required	15.00	14.50	17.80	Not Required	17.80	Not Required	12.00	Not Required	11.50
	40	5200		19.30		15.00	14.50	17.80		12.00		11.50		
	44	5220		19.30		15.00	14.50	17.80		12.00		11.50		
	48	5240		19.30		15.00	14.50	17.80		12.00		11.50		
802.11n-HT20 MCS0	36	5180	Not Required	19.30	Not Required	15.00	14.50	17.80	Not Required	17.80	Not Required	12.00	Not Required	11.50
	40	5200		19.30		15.00	14.50	17.80		12.00		11.50		
	44	5220		19.30		15.00	14.50	17.80		12.00		11.50		
802.11n-HT40 MCS0	38	5190	Not Required	19.30	Not Required	15.00	14.50	17.80	Not Required	17.80	Not Required	12.00	Not Required	11.50
	46	5230		19.30		15.00	14.50	17.80		12.00		11.50		
802.11ac-VHT20 MCS0	36	5180	Not Required	19.30	Not Required	15.00	14.50	17.80	Not Required	17.80	Not Required	12.00	Not Required	11.50
	40	5200		19.30		15.00	14.50	17.80		12.00		11.50		



5.2GHz WLAN	802.11ac-VHT40 MCS0	44	5220	17.83	19.30	13.61	15.00	12.98	14.50	16.32	17.80	10.72	12.00	10.09	11.50
		48	5240		19.30		15.00		14.50		17.80		12.00		11.50
		38	5190		19.30		15.00		14.50		17.80		12.00		11.50
		46	5230		19.30		15.00		14.50		17.80		12.00		11.50
	802.11ac-VHT80 MCS0	42	5210	Not Required	19.30	Not Required	15.00	Not Required	14.50	Not Required	17.80	Not Required	12.00	Not Required	11.50
		36	5180		19.30		15.00		14.50		17.80		12.00		11.50
		40	5200		19.30		15.00		14.50		17.80		12.00		11.50
		44	5220		19.30		15.00		14.50		17.80		12.00		11.50
	802.11ax-HE20 MCS0	48	5240	Not Required	19.30	Not Required	15.00	Not Required	14.50	Not Required	17.80	Not Required	12.00	Not Required	11.50
		38	5190		19.30		15.00		14.50		17.80		12.00		11.50
		46	5230		19.30		15.00		14.50		17.80		12.00		11.50
		42	5210		19.30		15.00		14.50		17.80		12.00		11.50
	802.11ax-HE40 MCS0	38	5190	Not Required	19.30	Not Required	15.00	Not Required	14.50	Not Required	17.80	Not Required	12.00	Not Required	11.50
		46	5230		19.30		15.00		14.50		17.80		12.00		11.50
	802.11ax-HE80 MCS0	42	5210	Not Required	19.30	Not Required	15.00	Not Required	14.50	Not Required	17.80	Not Required	12.00	Not Required	11.50

Mode	Channel	Frequency (MHz)	Ant 8+10 Hotspot Simultaneous DBS		Ant 8 Body-Worn&Extremity Standalone DBS only		Ant 10 Body-Worn&Extremity Standalone DBS only		Ant 8+10 Body-Worn&Extremity Standalone DBS only		Duty Cycle %
			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	Not Required	14.80	Not Required	18.50	Not Required	18.00	Not Required	21.30	99.32
	40	5200		14.80		18.50		18.00		21.30	
	44	5220		14.80		18.50		18.00		21.30	
	48	5240		14.80		18.50		18.00		21.30	
802.11n-HT20 MCS0	36	5180	Not Required	14.80	Not Required	18.50	Not Required	18.00	Not Required	21.30	100.00
	40	5200		14.80		18.50		18.00		21.30	
	44	5220		14.80		18.50		18.00		21.30	
	48	5240		14.80		18.50		18.00		21.30	
802.11n-HT40 MCS0	38	5190	Not Required	14.80	Not Required	18.50	Not Required	18.00	Not Required	21.30	100.00
	46	5230		14.80		18.50		18.00		21.30	
802.11ac-VHT20 MCS0	36	5180	Not Required	14.80	Not Required	18.50	Not Required	18.00	Not Required	21.30	100.00
	40	5200		14.80		18.50		18.00		21.30	
	44	5220		14.80		18.50		18.00		21.30	
	48	5240		14.80		18.50		18.00		21.30	
802.11ac-VHT40 MCS0	38	5190	Not Required	14.80	Not Required	18.50	Not Required	18.00	Not Required	21.30	100.00
	46	5230		14.80		18.50		18.00		21.30	
802.11ac-VHT80 MCS0	42	5210	13.43	14.80	16.91	18.50	16.42	18.00	19.67	21.30	100.00
802.11ax-HE20 MCS0	36	5180	Not Required	14.80	Not Required	18.50	Not Required	18.00	Not Required	21.30	100.00
	40	5200		14.80		18.50		18.00		21.30	
	44	5220		14.80		18.50		18.00		21.30	
	48	5240		14.80		18.50		18.00		21.30	
802.11ax-HE40 MCS0	38	5190	Not Required	14.80	Not Required	18.50	Not Required	18.00	Not Required	21.30	100.00
	46	5230		14.80		18.50		18.00		21.30	
802.11ax-HE80 MCS0	42	5210	Not Required	14.80	Not Required	18.50	Not Required	18.00	Not Required	21.30	100.00



<WLAN5.3GHz>

				Ant 8 Full Power		Ant 10 Full Power		Ant 8+10 Full Power		Ant 8 Head Standalone Non DBS		Ant 10 Head Standalone Non DBS		Ant 8+10 Head Standalone Non DBS							
				Body-Worn&Extremity Standalone Non DBS		Body-Worn&Extremity Standalone Non DBS		Body-Worn&Extremity Standalone Non DBS		Body-Worn&Extremity Simultaneous Non DBS		Body-Worn&Extremity Simultaneous Non DBS		Body-Worn&Extremity Simultaneous Non DBS							
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit						
	802.11a 6Mbps		52	5260	19.57	21.50	18.53	20.50	22.09	24.00	Not Required	17.00	Not Required	16.50	Not Required	19.80					
56			5280	19.56	21.50	18.57	20.50	22.11	24.00	17.00							16.50	19.80			
60			5300	19.49	21.00	17.98	19.50	21.81	23.30										17.00	16.50	19.80
64			5320	19.77	21.50	18.68	20.50	22.27	24.00												
802.11n-HT20 MCS0		52	5260	18.17	20.00	16.82	18.50	20.56	22.30	Not Required	17.00	Not Required	16.50	19.80							
		56	5280	18.08	20.00	16.80	18.50	20.50	22.30						17.00	16.50	19.80				
		60	5300	18.30	20.00	16.63	18.50	20.56	22.30									17.00	16.50	19.80	
		64	5320	17.97	19.50	16.59	18.50	20.34	22.00												17.00
802.11n-HT40 MCS0		54	5270	17.64	19.50	16.52	18.50	20.13	22.00	Not Required	17.00	Not Required	16.50	19.80							
		62	5310	17.90	19.50	16.38	18.00	20.22	21.80						17.00	16.50	19.80				
802.11ac-VHT20 MCS0		52	5260	18.20	20.00	16.87	18.50	20.60	22.30	Not Required	17.00	Not Required	16.50	19.80							
		56	5280	18.15	20.00	16.87	18.50	20.57	22.30									17.00	16.50	19.80	
		60	5300	18.37	20.00	16.69	18.50	20.62	22.30						17.00	16.50	19.80				
		64	5320	18.04	20.00	16.64	18.50	20.41	22.30												17.00
802.11ac-VHT40 MCS0		54	5270	17.67	19.50	16.56	18.50	20.16	22.00	Not Required	17.00	Not Required	16.50	19.80							
		62	5310	17.95	19.50	16.43	18.00	20.27	21.80						17.00	16.50	19.80				
802.11ac-VHT80 MCS0		58	5290	17.43	19.00	16.56	18.50	20.03	21.80	Not Required	17.00	Not Required	16.50	19.80							
802.11ac-VHT160 MCS0		50	5250	16.58	18.50	15.79	17.50	19.21	21.00									15.51	17.00	14.80	16.50
802.11ax-HE20 MCS0		52	5260	18.24	20.00	16.96	18.50	20.66	22.30	Not Required	17.00	Not Required	16.50	Not Required	19.80						
		56	5280	18.21	20.00	16.93	18.50	20.63	22.30							17.00	16.50	19.80			
		60	5300	18.42	20.00	16.77	18.50	20.68	22.30										17.00	16.50	19.80
		64	5320	18.09	20.00	16.73	18.50	20.47	22.30												
802.11ax-HE40 MCS0		54	5270	17.72	19.50	16.59	18.50	20.20	22.00	Not Required	17.00	Not Required	16.50	19.80							
		62	5310	17.98	19.50	16.48	18.00	20.30	21.80						17.00	16.50	19.80				
802.11ax-HE80 MCS0		58	5290	17.49	19.00	16.58	18.50	20.07	21.80	Not Required	17.00	Not Required	16.50	19.80							
802.11ax-HE160 MCS0		50	5250	16.60	18.50	15.80	17.50	19.23	21.00									17.00	16.5	19.80	

				Ant 8 Head Standalone DBS only Body-Worn&Extremity Simultaneous DBS		Ant 10 Head Standalone DBS only Body-Worn&Extremity Simultaneous DBS		Ant 8+10 Head Standalone DBS only Body-Worn&Extremity Simultaneous DBS		Ant 8 Head Simultaneous Non DBS		Ant 10 Head Simultaneous Non DBS		Ant 8+10 Head Simultaneous Non DBS	
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps		52	5260	Not Required	14.00	Not Required	13.50	Not Required	16.80	Not Required	13.00	Not Required	12.00	Not Required
56			5280	14.00		13.50		16.80		13.00		12.00		15.50	
60			5300	14.00		13.50		16.80		13.00		12.00		15.50	
64			5320	14.00		13.50		16.80		13.00		12.00		15.50	
802.11n-HT20 MCS0		52	5260	Not Required	14.00	Not Required	13.50	Not Required	16.80	Not Required	13.00	Not Required	12.00	Not Required	15.50
		56	5280		14.00		13.50		16.80		13.00		12.00		15.50
		60	5300		14.00		13.50		16.80		13.00		12.00		15.50
		64	5320		14.00		13.50		16.80		13.00		12.00		15.50
802.11n-HT40 MCS0		54	5270	Not Required	14.00	Not Required	13.50	Not Required	16.80	Not Required	13.00	Not Required	12.00	Not Required	15.50
		62	5310		14.00		13.50		16.80		13.00		12.00		15.50
802.11ac-VHT20 MCS0		52	5260	Not Required	14.00	Not Required	13.50	Not Required	16.80	Not Required	13.00	Not Required	12.00	Not Required	15.50
		56	5280		14.00		13.50		16.80		13.00		12.00		15.50
		60	5300		14.00		13.50		16.80		13.00		12.00		15.50
		64	5320		14.00		13.50		16.80		13.00		12.00		15.50



802.11ac-VHT40 MCS0	54	5270	14.00	13.50	16.80	13.00	12.00	15.50														
	62	5310							14.00	13.50	16.80	13.00	12.00	15.50								
	802.11ac-VHT80 MCS0	58	5290	14.00	13.50	16.80	13.00	12.00	15.50													
		50	5250	12.6	14.00	11.96	13.5	15.3	16.80	11.18	13.00	10.49	12.00	13.86	15.50							
	802.11ax-HE20 MCS0	52	5260	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required						
		56	5280														14.00	13.50	16.80	13.00	12.00	15.50
		60	5300														14.00	13.50	16.80	13.00	12.00	15.50
		64	5320														14.00	13.50	16.80	13.00	12.00	15.50
	802.11ax-HE40 MCS0	54	5270	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required						
		62	5310														14.00	13.50	16.80	13.00	12.00	15.50
	802.11ax-HE80 MCS0	58	5290	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required						
		50	5250														14.00	13.5	16.80	13.00	12.00	15.50

Mode	Channel	Frequency (MHz)	Ant 8 Head Simultaneous DBS		Ant 10 Head Simultaneous DBS		Ant 8+10 Head Simultaneous DBS		Ant 8 Body-Worn&Extremity Standalone DBS only		Ant 10 Body-Worn&Extremity Standalone DBS only		Ant 8+10 Body-Worn&Extremity Standalone DBS only		Duty Cycle %						
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit							
802.11a 6Mbps	52	5260	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	99.32						
	56	5280														10.00	10.00	13.00	18.50	17.50	21.00
	60	5300														10.00	10.00	13.00	18.50	17.50	21.00
	64	5320														10.00	10.00	13.00	18.50	17.50	21.00
802.11n-HT20 MCS0	52	5260	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	100.00						
	56	5280														10.00	10.00	13.00	18.50	17.50	21.00
	60	5300														10.00	10.00	13.00	18.50	17.50	21.00
	64	5320														10.00	10.00	13.00	18.50	17.50	21.00
802.11n-HT40 MCS0	54	5270	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	100.00						
	62	5310														10.00	10.00	13.00	18.50	17.50	21.00
802.11ac-VHT20 MCS0	52	5260	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	100.00						
	56	5280														10.00	10.00	13.00	18.50	17.50	21.00
	60	5300														10.00	10.00	13.00	18.50	17.50	21.00
802.11ac-VHT40 MCS0	54	5270	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	100.00						
	62	5310														10.00	10.00	13.00	18.50	17.50	21.00
802.11ac-VHT80 MCS0	58	5290	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	100.00						
802.11ac-VHT160 MCS0	50	5250														8.38	10.00	8.14	10.00	11.27	13.00
802.11ax-HE20 MCS0	52	5260	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	100.00						
	56	5280														10.00	10.00	13.00	18.50	17.50	21.00
	60	5300														10.00	10.00	13.00	18.50	17.50	21.00
	64	5320														10.00	10.00	13.00	18.50	17.50	21.00
802.11ax-HE40 MCS0	54	5270	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	100.00						
	62	5310														10.00	10.00	13.00	18.50	17.50	21.00
802.11ax-HE80 MCS0	58	5290	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	100.00						
802.11ax-HE160 MCS0	50	5250														10.00	10	13.00	18.50	17.5	21.00



<WLAN5.5GHz>

	Mode	Channel	Frequency (MHz)	Ant 8 Full Power		Ant 10 Full Power		Ant 8+10 Full Power		Ant 8 Head Standalone Non DBS		Ant 10 Head Standalone Non DBS		Ant 8+10 Head Standalone Non DBS													
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit												
5.5GHz WLAN	802.11a 6Mbps	100	5500	19.62	21.50	18.48	20.00	22.10	23.80	Not Required	17.50	Not Required	17.00	Not Required	20.30												
		116	5580	19.85	21.50	18.73	20.50	22.34	24.00		17.50		17.00		20.30												
		124	5620	19.62	21.50	18.75	20.50	22.22	24.00		17.50		17.00		20.30												
		132	5660	19.56	21.50	18.97	20.50	22.29	24.00		17.50		17.00		20.30												
		140	5700	19.52	21.50	18.74	20.50	22.16	24.00		17.50		17.00		20.30												
		144	5720	19.63	21.50	19.15	21.00	22.41	24.30		17.50		17.00		20.30												
	802.11n-HT20 MCS0	100	5500	18.19	20.00	16.80	18.50	20.56	22.30		17.50		17.00		20.30												
		116	5580	18.28	20.00	17.26	19.00	20.81	22.50		17.50		17.00		20.30												
		124	5620	18.53	20.50	17.81	19.50	21.20	23.00		17.50		17.00		20.30												
		132	5660	18.44	20.00	17.89	19.50	21.18	22.80		17.50		17.00		20.30												
		140	5700	18.30	20.00	17.85	19.50	21.09	22.80		17.50		17.00		20.30												
	802.11n-HT40 MCS0	102	5510	17.44	19.00	16.28	18.00	19.91	21.50		17.50		17.00		20.30												
		110	5550	17.48	19.00	16.36	18.00	19.97	21.50		17.50		17.00		20.30												
		126	5630	17.75	19.50	17.19	19.00	20.49	22.30		17.50		17.00		20.30												
		134	5670	17.81	19.50	17.18	19.00	20.52	22.30		17.50		17.00		20.30												
	802.11ac-VHT20 MCS0	100	5500	18.26	20.00	16.86	18.50	20.63	22.30		17.50		17.00		20.30												
		116	5580	18.32	20.00	17.31	19.00	20.85	22.50		17.50		17.00		20.30												
		124	5620	18.60	20.00	17.85	19.50	21.25	22.80		17.50		17.00		20.30												
		132	5660	18.51	20.50	17.96	19.50	21.25	23.00		17.50		17.00		20.30												
		140	5700	18.37	20.00	17.89	19.50	21.15	22.80		17.50		17.00		20.30												
	802.11ac-VHT40 MCS0	102	5510	17.50	19.00	16.35	18.00	19.97	21.50		17.50		17.00		20.30												
		110	5550	17.55	19.50	16.42	18.00	20.03	21.80		17.50		17.00		20.30												
		126	5630	17.79	19.50	17.25	19.00	20.54	22.30		17.50		17.00		20.30												
		134	5670	17.86	19.50	17.20	19.00	20.55	22.30		17.50		17.00		20.30												
	802.11ac-VHT80 MCS0	106	5530	17.42	19.00	16.45	18.00	19.97	21.50		17.50		17.00		20.30												
		122	5610	17.39	19.00	16.94	18.50	20.18	21.80		17.50		17.00		20.30												
		138	5690	17.27	19.00	16.89	18.50	20.09	21.80		17.50		17.00		20.30												
	802.11ac-VHT160 MCS0	114	5570	16.93	18.50	15.95	17.50	19.48	21.00		16.14		17.50		15.37	17.00	18.72	20.30									
	802.11ax-HE20 MCS0	100	5500	18.18	20.00	16.81	18.50	20.56	22.30		Not Required		17.50		Not Required	17.00	Not Required	20.30									
		116	5580	18.24	20.00	17.27	19.00	20.79	22.50				17.50			17.00		20.30									
		124	5620	18.51	20.50	17.76	19.50	21.16	23.00				17.50			17.00		20.30									
		132	5660	18.45	20.00	17.87	19.50	21.18	22.80				17.50			17.00		20.30									
		140	5700	18.28	20.00	17.83	19.50	21.07	22.80				17.50			17.00		20.30									
	802.11ax-HE40 MCS0	102	5510	17.56	19.50	16.38	18.00	20.02	21.80				Not Required			17.50		Not Required	17.00	Not Required	20.30						
		110	5550	17.58	19.50	16.45	18.00	20.06	21.80							17.50			17.00		20.30						
		126	5630	17.83	19.50	17.30	19.00	20.58	22.30							17.50			17.00		20.30						
		134	5670	17.90	19.50	17.26	19.00	20.60	22.30							17.50			17.00		20.30						
	802.11ax-HE80 MCS0	106	5530	17.48	19.00	16.50	18.00	20.03	21.50							Not Required			17.50		Not Required	17.00	Not Required	20.30			
		122	5610	17.42	19.00	16.97	18.50	20.21	21.80										17.50			17.00		20.30			
		138	5690	17.32	19.00	16.92	18.50	20.13	21.80										17.50			17.00		20.30			
	802.11ax-HE160 MCS0	114	5570	16.98	19.50	15.98	17.50	19.52	21.60										Not Required			17.50		Not Required	17.00	Not Required	20.30



				Ant 8 Head Standalone DBS only		Ant 10 Head Standalone DBS only		Ant 8+10 Head Standalone DBS only		Ant 8 Head Simultaneous Non DBS		Ant 10 Head Simultaneous Non DBS		Ant 8+10 Head Simultaneous Non DBS		Ant 8 Head Simultaneous DBS	
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
				802.11a 6Mbps	100	5500		14.50		14.00		17.30		13.50		12.50	
		116	5580		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		124	5620		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		132	5660		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		140	5700		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		144	5720		14.50		14.00		17.30		13.50		12.50		16.00		10.00
802.11n-HT20 MCS0	100	5500		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	116	5580		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	124	5620		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	132	5660		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	140	5700		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	144	5720		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
802.11n-HT40 MCS0	102	5510		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	110	5550		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	126	5630	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
	134	5670	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
	142	5710	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
802.11ac-VHT20 MCS0	100	5500		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	116	5580		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	124	5620		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	132	5660		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	140	5700		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	144	5720		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
802.11ac-VHT40 MCS0	102	5510		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	110	5550		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	126	5630	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
	134	5670	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
	142	5710	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
802.11ac-VHT80 MCS0	106	5530		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	122	5610		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	138	5690		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
802.11ac-VHT160 MCS0	114	5570	13.07	14.50	12.32	14.00	14.00	15.72	17.30	11.76	13.50	10.96	12.50	14.39	16.00	8.68	10.00
802.11ax-HE20 MCS0	100	5500		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	116	5580		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	124	5620		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	132	5660		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	140	5700		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	144	5720		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
802.11ax-HE40 MCS0	102	5510	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
	110	5550	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
	126	5630	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
	134	5670	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
	142	5710	Not Required	14.50	Not Required	14.00	14.00	17.30	17.30	13.50	13.50	12.50	12.50	16.00	16.00	10.00	
802.11ax-HE80 MCS0	106	5530		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	122	5610		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
	138	5690		14.50		14.00		17.30		13.50		12.50		16.00		10.00	
802.11ax-HE160 MCS0	114	5570		14.50		14.00		17.30		13.50		12.50		16.00		10.00	



	Mode	Channel	Frequency (MHz)	Ant 10 Head Simultaneous DBS		Ant 8+10 Head Simultaneous DBS		Ant 8 Body-Worn&Extremity Standalone DBS only		Ant 10 Body-Worn&Extremity Standalone DBS only		Ant 8+10 Body-Worn&Extremity Standalone DBS only		Ant 8 Body-Worn&Extremity Simultaneous Non DBS	
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500		10.00		13.00		18.50		17.50		21.00		17.00
		116	5580		10.00		13.00		18.50		17.50		21.00		17.00
		124	5620		10.00		13.00		18.50		17.50		21.00		17.00
		132	5660		10.00		13.00		18.50		17.50		21.00		17.00
		140	5700		10.00		13.00		18.50		17.50		21.00		17.00
		144	5720		10.00		13.00		18.50		17.50		21.00		17.00
	802.11n-HT20 MCS0	100	5500		10.00		13.00		18.50		17.50		21.00		17.00
		116	5580		10.00		13.00		18.50		17.50		21.00		17.00
		124	5620		10.00		13.00		18.50		17.50		21.00		17.00
		132	5660		10.00		13.00		18.50		17.50		21.00		17.00
		140	5700		10.00		13.00		18.50		17.50		21.00		17.00
		144	5720		10.00		13.00		18.50		17.50		21.00		17.00
	802.11n-HT40 MCS0	102	5510		10.00		13.00		18.50		17.50		21.00		17.00
		110	5550		10.00		13.00		18.50		17.50		21.00		17.00
		126	5630	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	Not Required	17.00
		142	5710	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	Not Required	17.00
	802.11ac-VHT20 MCS0	100	5500		10.00		13.00		18.50		17.50		21.00		17.00
		116	5580		10.00		13.00		18.50		17.50		21.00		17.00
		124	5620		10.00		13.00		18.50		17.50		21.00		17.00
		132	5660		10.00		13.00		18.50		17.50		21.00		17.00
		140	5700		10.00		13.00		18.50		17.50		21.00		17.00
		144	5720		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ac-VHT40 MCS0	102	5510		10.00		13.00		18.50		17.50		21.00		17.00
		110	5550		10.00		13.00		18.50		17.50		21.00		17.00
		126	5630		10.00		13.00		18.50		17.50		21.00		17.00
		142	5710		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ac-VHT80 MCS0	106	5530		10.00		13.00		18.50		17.50		21.00		17.00
		122	5610		10.00		13.00		18.50		17.50		21.00		17.00
		138	5690		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ac-VHT160 MCS0	114	5570	8.44	10.00	11.57	13.00	16.93	18.50	15.95	17.50	19.48	21.00	15.56	17.00
	802.11ax-HE20 MCS0	100	5500		10.00		13.00		18.50		17.50		21.00		17.00
		116	5580		10.00		13.00		18.50		17.50		21.00		17.00
		124	5620		10.00		13.00		18.50		17.50		21.00		17.00
		132	5660		10.00		13.00		18.50		17.50		21.00		17.00
		140	5700		10.00		13.00		18.50		17.50		21.00		17.00
		144	5720		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ax-HE40 MCS0	102	5510		10.00		13.00		18.50		17.50		21.00		17.00
		110	5550	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	Not Required	17.00
		126	5630	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	Not Required	17.00
		134	5670	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	Not Required	17.00
	802.11ax-HE80 MCS0	106	5530		10.00		13.00		18.50		17.50		21.00		17.00
		122	5610		10.00		13.00		18.50		17.50		21.00		17.00
138		5690		10.00		13.00		18.50		17.50		21.00		17.00	
802.11ax-HE160 MCS0	114	5570		10.00		13.00		18.50		17.50		21.00		17.00	



	Mode	Channel	Frequency (MHz)	Ant 10 Body-Worn&Extremity Simultaneous Non DBS		Ant 8+10 Body-Worn&Extremity Simultaneous Non DBS		Ant 8 Body-Worn&Extremity Simultaneous DBS		Ant 10 Body-Worn&Extremity Simultaneous DBS		Ant 8+10 Body-Worn&Extremity Simultaneous DBS		Duty Cycle %										
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit											
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	16.50	Not Required	19.80	Not Required	14.00	Not Required	13.50	Not Required	16.80	99.32										
		116	5580		16.50		19.80		14.00		13.50		16.80											
		124	5620		16.50		19.80		14.00		13.50		16.80											
		132	5660		16.50		19.80		14.00		13.50		16.80											
		140	5700		16.50		19.80		14.00		13.50		16.80											
		144	5720		16.50		19.80		14.00		13.50		16.80											
	802.11n-HT20 MCS0	100	5500		16.50		19.80		14.00		13.50		16.80	100.00										
		116	5580		16.50		19.80		14.00		13.50		16.80											
		124	5620		16.50		19.80		14.00		13.50		16.80											
		132	5660		16.50		19.80		14.00		13.50		16.80											
		140	5700		16.50		19.80		14.00		13.50		16.80											
	802.11n-HT40 MCS0	102	5510		Not Required		16.50		Not Required		19.80		Not Required	14.00	Not Required	13.50	Not Required	16.80	100.00					
		110	5550				16.50				19.80			14.00		13.50		16.80						
		126	5630				16.50				19.80			14.00		13.50		16.80						
		134	5670				16.50				19.80			14.00		13.50		16.80						
	802.11ac-VHT20 MCS0	100	5500		Not Required		16.50		Not Required		19.80		Not Required	14.00	Not Required	13.50	Not Required	16.80	100.00					
		116	5580				16.50				19.80			14.00		13.50		16.80						
		124	5620				16.50				19.80			14.00		13.50		16.80						
		132	5660				16.50				19.80			14.00		13.50		16.80						
	802.11ac-VHT40 MCS0	102	5510		Not Required		16.50		Not Required		19.80		Not Required	14.00	Not Required	13.50	Not Required	16.80	100.00					
		110	5550				16.50				19.80			14.00		13.50		16.80						
		126	5630				16.50				19.80			14.00		13.50		16.80						
		134	5670				16.50				19.80			14.00		13.50		16.80						
	802.11ac-VHT80 MCS0	106	5530		Not Required		16.50		Not Required		19.80		Not Required	14.00	Not Required	13.50	Not Required	16.80	100.00					
		122	5610				16.50				19.80			14.00		13.50		16.80						
		138	5690				16.50				19.80			14.00		13.50		16.80						
	802.11ac-VHT160 MCS0	114	5570		14.78		16.50		18.20		19.80		12.50	14.00	12.01	13.50	15.27	16.80	100.00					
	802.11ax-HE20 MCS0	100	5500		Not Required		16.50		Not Required		19.80		Not Required	14.00	Not Required	13.50	Not Required	16.80	100.00					
		116	5580				16.50				19.80			14.00		13.50		16.80						
		124	5620				16.50				19.80			14.00		13.50		16.80						
		132	5660				16.50				19.80			14.00		13.50		16.80						
		140	5700				16.50				19.80			14.00		13.50		16.80						
	802.11ax-HE40 MCS0	102	5510				Not Required				16.50			Not Required		19.80		Not Required	14.00	Not Required	13.50	Not Required	16.80	100.00
		110	5550								16.50					19.80			14.00		13.50		16.80	
		126	5630								16.50					19.80			14.00		13.50		16.80	
		134	5670								16.50					19.80			14.00		13.50		16.80	
	802.11ax-HE80 MCS0	106	5530				Not Required				16.50			Not Required		19.80		Not Required	14.00	Not Required	13.50	Not Required	16.80	100.00
		122	5610								16.50					19.80			14.00		13.50		16.80	
		138	5690								16.50					19.80			14.00		13.50		16.80	
	802.11ax-HE160 MCS0	114	5570				16.50				19.80			14.00		13.50		16.80	100.00					



<WLAN5.8GHz>

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 8 Full Power BodyWorn&Extremity Standalone Non DBS		Ant 10 Full Power BodyWorn&Extremity Standalone Non DBS		Ant 8+10 Full Power BodyWorn&Extremity Standalone Non DBS		Ant 8 Head Standalone Non DBS Body-Worn&Extremity Standalone DBS only		Ant 10 Head Standalone Non DBS Body-Worn&Extremity Standalone DBS only		Ant 8+10 Head Standalone Non DBS Body-Worn&Extremity Standalone DBS only	
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
802.11a 6Mbps	149	5745	19.62	21.50	19.25	21.00	22.45	24.30	Not Required	17.50	Not Required	17.00	Not Required	20.30	
	157	5785	19.62	21.50	18.61	20.50	22.16	24.00		17.50		17.00		20.30	
	165	5825	19.64	21.50	18.94	20.50	22.32	24.00		17.50		17.00		20.30	
802.11n-HT20 MCS0	149	5745	18.54	20.00	18.45	20.00	21.51	23.00	Not Required	17.50	Not Required	17.00	Not Required	20.30	
	157	5785	18.43	20.00	17.65	19.50	21.07	22.80		17.50		17.00		20.30	
	165	5825	18.55	20.00	18.07	20.00	21.33	23.00		17.50		17.00		20.30	
802.11n-HT40 MCS0	151	5755	17.53	19.50	16.64	18.50	20.12	22.00	Not Required	17.50	Not Required	17.00	Not Required	20.30	
	159	5795	17.53	19.50	17.03	18.50	20.30	22.00		17.50		17.00		20.30	
802.11ac-VHT20 MCS0	149	5745	18.58	20.00	18.52	20.00	21.56	23.00	Not Required	17.50	Not Required	17.00	Not Required	20.30	
	157	5785	18.50	20.00	17.70	19.50	21.13	22.80		17.50		17.00		20.30	
	165	5825	18.59	20.00	18.14	20.00	21.38	23.00		17.50		17.00		20.30	
802.11ac-VHT40 MCS0	151	5755	17.55	19.50	16.66	18.50	20.14	22.00	Not Required	17.50	Not Required	17.00	Not Required	20.30	
	159	5795	17.59	19.50	17.09	19.00	20.36	22.30		17.50		17.00		20.30	
802.11ac-VHT80 MCS0	155	5775	17.29	19.00	16.30	18.00	19.83	21.50	15.81	17.50	15.39	17.00	18.62	20.30	
802.11ax-HE20 MCS0	149	5745	18.42	20.00	18.37	20.00	21.41	23.00	Not Required	17.50	Not Required	17.00	Not Required	20.30	
	157	5785	18.32	20.00	17.58	19.50	20.98	22.80		17.50		17.00		20.30	
	165	5825	18.44	20.00	17.99	19.50	21.23	22.80		17.50		17.00		20.30	
802.11ax-HE40 MCS0	151	5755	17.59	19.50	16.70	18.50	20.18	22.00	Not Required	17.50	Not Required	17.00	Not Required	20.30	
	159	5795	17.65	19.50	17.15	19.00	20.42	22.30		17.50		17.00		20.30	
802.11ax-HE80 MCS0	155	5775	17.31	19.00	16.32	18.00	19.85	21.50	Not Required	17.50	Not Required	17.00	Not Required	20.30	

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 8 Head Standalone DBS only&Hotspot Simultaneous Non DBS		Ant 810 Head Standalone DBS only&Hotspot Simultaneous Non DBS		Ant 8 +10 Head Standalone DBS only&Hotspot Simultaneous Non DBS		Ant 8 Head Simultaneous Non DBS Body-Worn&Extremity Simultaneous DBS		Ant 10 Head Simultaneous Non DBS Body-Worn&Extremity Simultaneous DBS		Ant 8+10 Head Simultaneous Non DBS Body-Worn&Extremity Simultaneous DBS	
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
802.11a 6Mbps	149	5745	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	157	5785		14.50		14.00		17.30		13.00		12.50		15.80	
	165	5825		14.50		14.00		17.30		13.00		12.50		15.80	
802.11n-HT20 MCS0	149	5745	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	157	5785		14.50		14.00		17.30		13.00		12.50		15.80	
	165	5825		14.50		14.00		17.30		13.00		12.50		15.80	
802.11n-HT40 MCS0	151	5755	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	159	5795		14.50		14.00		17.30		13.00		12.50		15.80	
802.11ac-VHT20 MCS0	149	5745	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	157	5785		14.50		14.00		17.30		13.00		12.50		15.80	
	165	5825		14.50		14.00		17.30		13.00		12.50		15.80	
802.11ac-VHT40 MCS0	151	5755	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	159	5795		14.50		14.00		17.30		13.00		12.50		15.80	
802.11ac-VHT80 MCS0	155	5775	12.81	14.50	12.58	14.00	15.71	17.30	11.43	13.00	10.96	12.50	14.21	15.80	
802.11ax-HE20 MCS0	149	5745	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	157	5785		14.50		14.00		17.30		13.00		12.50		15.80	
	165	5825		14.50		14.00		17.30		13.00		12.50		15.80	
802.11ax-HE40 MCS0	151	5755	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	159	5795		14.50		14.00		17.30		13.00		12.50		15.80	
802.11ax-HE80 MCS0	155	5775	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.00	Not Required	12.50	Not Required	15.80	



5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 8 Head Simultaneous DBS		Ant 10 Head Simultaneous DBS		Ant 8+10 Head Simultaneous DBS		Ant 8 Hotspot Standalone DBS only Body-Worn&Extremity Simultaneous Non DBS		Ant 10 Hotspot Standalone DBS only Body-Worn&Extremity Simultaneous Non DBS		Ant 8+10 Hotspot Standalone DBS only Body-Worn&Extremity Simultaneous Non DBS																	
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit														
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	10.50	Not Required	10.00	13.30	Not Required	16.50	Not Required	15.50	Not Required	19.00																	
		157	5785												10.50	10.00	13.30	16.50	15.50	19.00											
		165	5825												10.50	10.00	13.30	16.50	15.50	19.00											
	802.11n-HT20 MCS0	149	5745												10.50	10.00	13.30	16.50	15.50	19.00											
		157	5785												10.50	10.00	13.30	16.50	15.50	19.00											
		165	5825												10.50	10.00	13.30	16.50	15.50	19.00											
	802.11n-HT40 MCS0	151	5755												10.50	10.00	13.30	16.50	15.50	19.00											
		159	5795												10.50	10.00	13.30	16.50	15.50	19.00											
	802.11ac-VHT20 MCS0	149	5745												10.50	10.00	13.30	16.50	15.50	19.00											
		157	5785												10.50	10.00	13.30	16.50	15.50	19.00											
		165	5825												10.50	10.00	13.30	16.50	15.50	19.00											
	802.11ac-VHT40 MCS0	151	5755												10.50	10.00	13.30	16.50	15.50	19.00											
		159	5795												10.50	10.00	13.30	16.50	15.50	19.00											
	802.11ac-VHT80 MCS0	155	5775												8.65	10.50	8.19	10.00	11.44	13.30	14.75	16.50	13.88	15.50	17.35	19.00					
	802.11ax-HE20 MCS0	149	5745												Not Required	10.50	Not Required	10.00	13.30	Not Required	16.50	Not Required	15.50	Not Required	19.00						
		157	5785																							10.50	10.00	13.30	16.50	15.50	19.00
		165	5825																							10.50	10.00	13.30	16.50	15.50	19.00
	802.11ax-HE40 MCS0	151	5755																							10.50	10.00	13.30	16.50	15.50	19.00
159		5795	10.50	10.00	13.30	16.50	15.50	19.00																							
802.11ax-HE80 MCS0	155	5775	10.50	10.00	13.30	16.50	15.50	19.00																							

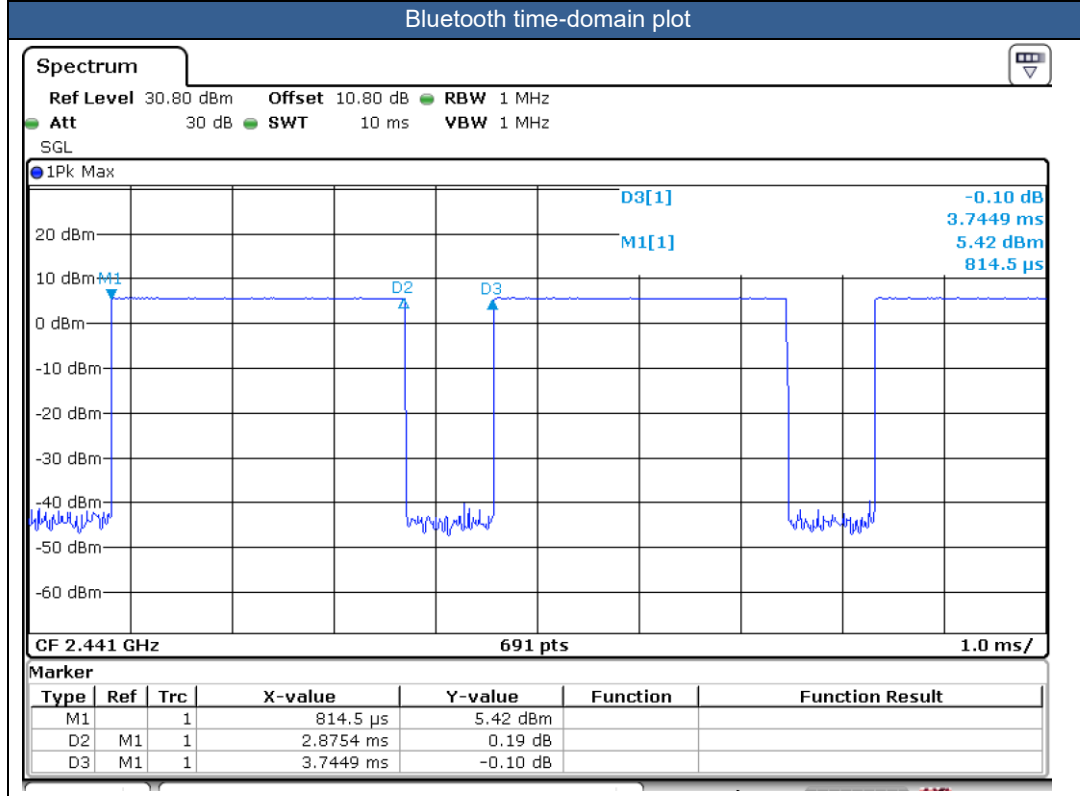
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 8 Hotspot Standalone Non DBS		Ant 10 Hotspot Standalone Non DBS		Ant 8+10 Hotspot Standalone Non DBS		Ant 8 Hotspot Simultaneous DBS		Ant 10 Hotspot Simultaneous DBS		Ant 8+10 Hotspot Simultaneous DBS		Duty Cycle %																																		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit																																			
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.46	20.00	17.78	19.50	21.15	22.80	Not Required	11.50	Not Required	11.50	Not Required	14.50	99.32																																		
		157	5785	18.32	20.00	17.12	19.00	20.77	22.50								11.50	11.50	14.50																															
		165	5825	18.61	20.50	17.69	19.50	21.19	23.00								11.50	11.50	14.50																															
	802.11n-HT20 MCS0	149	5745	Not Required	20.00	Not Required	19.50	22.80	Not Required							11.50	Not Required	11.50	Not Required	14.50	100.00																													
		157	5785																			20.00	19.50	22.80	11.50	11.50	14.50																							
		165	5825																			20.00	19.50	22.80	11.50	11.50	14.50																							
	802.11n-HT40 MCS0	151	5755																		19.50	18.50	22.00	22.00	11.50	11.50	14.50	100.00																						
		159	5795																		19.50	18.50	22.00	22.00	11.50	11.50	14.50																							
	802.11ac-VHT20 MCS0	149	5745																		Not Required	20.00	Not Required	20.00	23.00	Not Required	11.50	Not Required	11.50	Not Required	14.50	100.00																		
		157	5785																														20.00	19.50	22.80	11.50	11.50	14.50												
	802.11ac-VHT40 MCS0	151	5755																													19.50	18.50	22.00	22.00	11.50	11.50	14.50	100.00											
		159	5795																													19.50	19.00	22.30	22.30	11.50	11.50	14.50												
	802.11ac-VHT80 MCS0	155	5775																													19.00	18.00	21.50	9.91	11.50	9.55	11.50	12.73	14.50	100.00									
	802.11ax-HE20 MCS0	149	5745																													Not Required	20.00	Not Required	20.00	23.00	Not Required	11.50	Not Required	11.50	Not Required	14.50	100.00							
		157	5785																																									20.00	19.50	22.80	11.50	11.50	14.50	
		165	5825																																									20.00	19.50	22.80	11.50	11.50	14.50	
	802.11ax-HE40 MCS0	151	5755																																								19.50	18.50	22.00	22.00	11.50	11.50	14.50	100.00
		159	5795																																								19.50	19.00	22.30	22.30	11.50	11.50	14.50	
802.11ax-HE80 MCS0	155	5775	19.00							18.00	21.50	11.50	11.50	14.50	100.00																																			



<2.4GHz Bluetooth>

General Note:

- For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
- The Bluetooth duty cycle are 76.78 % as following figure, according to Oct. 2016 TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 83.3%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.



Class1

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.12	7.03	7.02
	CH 39	2441	9.23	7.09	7.07
	CH 78	2480	9.04	6.96	6.99
Tune-up Limit			11	8.5	8.5

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	
BLE_1M	CH 00	2402	9.01	
	CH 19	2440	9.12	
	CH 39	2480	8.90	
Tune-up Limit			11.00	

Mode	Channel	Frequency (MHz)	Average power (dBm)
			2Mbps
BLE_2M	CH 01	2404	9.27
	CH 19	2440	9.33
	CH 38	2478	9.05
Tune-up Limit			11.00



Class2

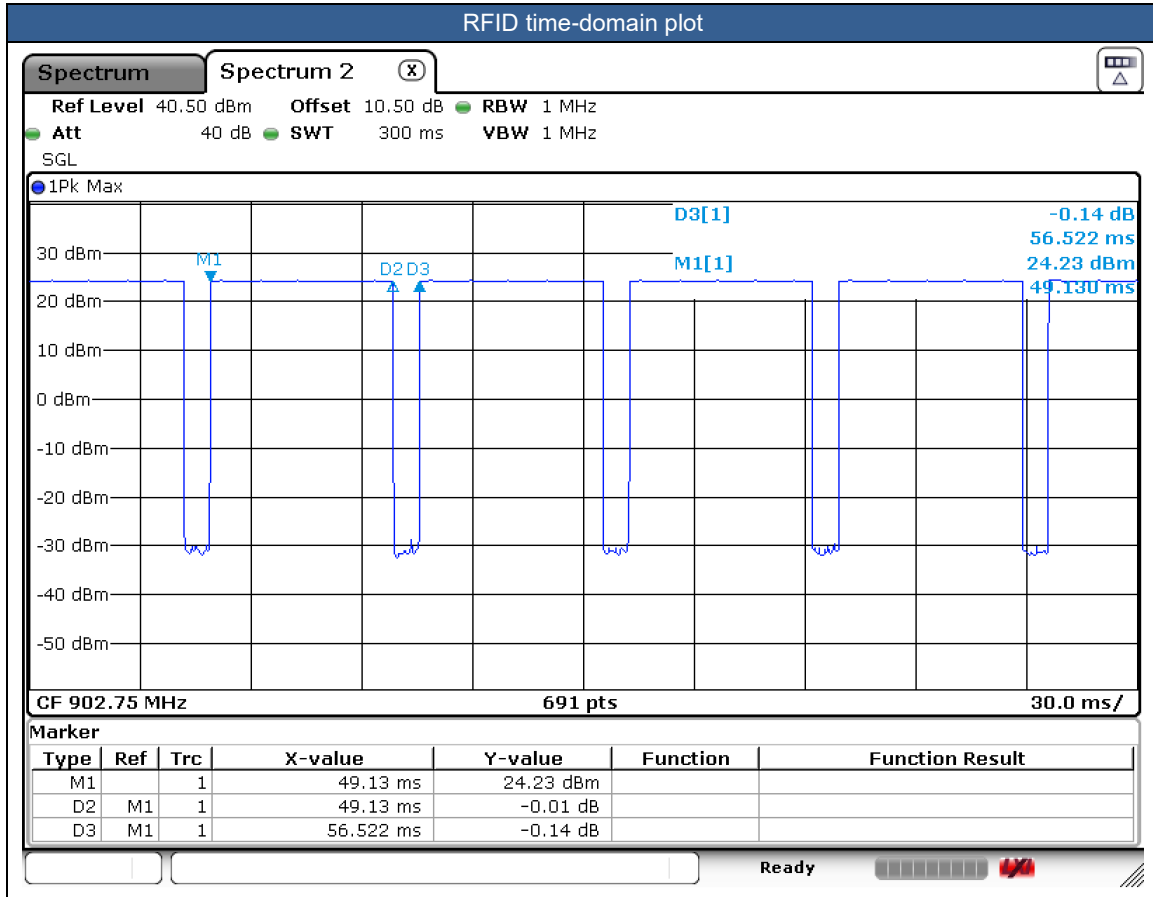
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	3.49	0.81	0.84
	CH 39	2441	3.42	0.78	0.80
	CH 78	2480	3.52	0.83	0.86
Tune-up Limit			5	2	2

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
BLE_1M	CH 00	2402	3.56
	CH 19	2440	3.53
	CH 39	2480	3.50
Tune-up Limit			5.00

Mode	Channel	Frequency (MHz)	Average power (dBm)
			2Mbps
BLE_2M	CH 01	2404	3.40
	CH 19	2440	3.46
	CH 38	2478	3.53
Tune-up Limit			5.00



<RFID Power>



Frequency (MHz)	Average power (dBm)	Tune up
902.75	23.84	25.00
914.75	24.12	25.00
927.25	24.29	25.00