



Reduced power level for 5G NR DS12 ENDC

Part270 n77 PC2&3 Ant3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.35	19.50	19.44			
100	PI/2 BPSK	1	137	20.29	20.39	20.26	21.0	0.0	
100	PI/2 BPSK	1	271	19.49	19.58	19.46			
100	PI/2 BPSK	135	0	20.20	20.24	20.04	21.0	0.0	
100	PI/2 BPSK	135	69	20.30	20.41	20.29	21.0	0.0	
100	PI/2 BPSK	135	138	20.23	20.31	20.29			
100	PI/2 BPSK	270	0	20.19	20.25	20.10	21.0	0.0	
100	QPSK	1	1	19.53	19.53	19.53			
100	QPSK	1	137	20.39	20.44	20.38	21.0	0.0	
100	QPSK	1	271	19.60	19.61	19.61			
100	QPSK	135	0	20.18	20.28	20.22	21.0	0.0	
100	QPSK	135	69	20.41	20.42	20.36	21.0	0.0	
100	QPSK	135	138	20.20	20.31	20.27			
100	QPSK	270	0	20.10	20.20	20.19	21.0	0.0	
100	16QAM	1	1	19.76	19.89	19.81	21.0	0.0	
100	64QAM	1	1	19.75	19.76	19.77	21.0	0.0	
100	256QAM	1	1	19.81	20.01	19.88	21.0	0.0	
Channel				649368	656000	662334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	20.05	20.09	19.93	21.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	19.97	20.13	20.00	21.0	0.0	
Channel				649368	656000	663334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	19.94	20.10	19.98	21.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	19.94	20.03	20.05	21.0	0.0	
Channel				649000	656000	664000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	19.86	19.89	20.02	21.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	19.91	20.09	19.99	21.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	20.05	20.06	19.98	21.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	19.98	19.94	20.02	21.0	0.0	

Part27Q n77 PC2&3 Ant3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				630000	633334	636668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1	19.52	19.52	19.52			
100	PI/2 BPSK	1	137	20.38	20.38	20.38	21.0	0.0	
100	PI/2 BPSK	1	271	19.49	19.49	19.49			
100	PI/2 BPSK	135	0	20.33	20.33	20.33	21.0	0.0	
100	PI/2 BPSK	135	69	20.33	20.33	20.33	21.0	0.0	
100	PI/2 BPSK	135	138	20.41	20.41	20.41			
100	PI/2 BPSK	270	0	20.24	20.24	20.24	21.0	0.0	
100	QPSK	1	1	19.53	19.53	19.53			
100	QPSK	1	137	20.51	20.51	20.51	21.0	0.0	
100	QPSK	1	271	19.66	19.66	19.66			
100	QPSK	135	0	20.32	20.32	20.32	21.0	0.0	
100	QPSK	135	69	20.36	20.36	20.36	21.0	0.0	
100	QPSK	135	138	20.19	20.19	20.19			
100	QPSK	270	0	20.35	20.35	20.35	21.0	0.0	
100	16QAM	1	1	19.77	19.77	19.77	21.0	0.0	
100	64QAM	1	1	19.88	19.88	19.88	21.0	0.0	
100	256QAM	1	1	20.11	20.11	20.11	21.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	20.33	20.39	20.18	21.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	20.45	20.40	20.31	21.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	20.37	20.39	20.34	21.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	20.45	20.45	20.35	21.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	20.49	20.37	20.14	21.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	20.33	20.43	20.20	21.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	20.48	20.33	20.15	21.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	20.42	20.47	20.24	21.0	0.0	



### Part270 n78 PC2&3 Ant3 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1		3750			
100	PI/2 BPSK	1	137		19.51		21.0	0.0
100	PI/2 BPSK	1	271		20.34			
100	PI/2 BPSK	1	271		19.54			
100	PI/2 BPSK	135	0		20.15		21.0	0.0
100	PI/2 BPSK	135	69		20.32		21.0	0.0
100	PI/2 BPSK	135	138		20.28		21.0	0.0
100	PI/2 BPSK	270	0		20.18			
100	PI/2 BPSK	270	0		19.44			
100	QPSK	1	1		20.44		21.0	0.0
100	QPSK	1	137		20.26			
100	QPSK	1	271		19.54			
100	QPSK	135	0		20.26		21.0	0.0
100	QPSK	135	69		20.31		21.0	0.0
100	QPSK	135	138		20.22			
100	QPSK	270	0		20.23		21.0	0.0
100	16QAM	1	1		19.72		21.0	0.0
100	64QAM	1	1		19.89		21.0	0.0
100	256QAM	1	1		19.91		21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	649668	650000	650334	Tune-up limit (dB)	MPR
				3745.02	3750	3755.01		
Channel								
Frequency (MHz)								
80	QPSK	1	109	649334	650000	650668	Tune-up limit (dB)	MPR
				3740.01	3750	3760.02		
Channel								
Frequency (MHz)								
60	QPSK	1	81	648334	650000	651668	Tune-up limit (dB)	MPR
				19.52	19.93	19.91		
Channel								
Frequency (MHz)								
50	QPSK	1	67	648000	650000	652000	Tune-up limit (dB)	MPR
				3720	3750	3780		
Channel								
Frequency (MHz)								
40	QPSK	1	53	647334	650000	652668	Tune-up limit (dB)	MPR
				19.94	20.00	20.00		
Channel								
Frequency (MHz)								
20	QPSK	1	26	647168	650000	652334	Tune-up limit (dB)	MPR
				19.85	20.02	20.02		
Channel								
Frequency (MHz)								
15	QPSK	1	19	647000	650000	653000	Tune-up limit (dB)	MPR
				19.95	20.04	19.93		
Channel								
Frequency (MHz)								
10	QPSK	1	12	646834	650000	653334	Tune-up limit (dB)	MPR
				20.02	19.99	19.97		

### Part27Q 78 PC2&3 Ant3 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1		3500.01			
100	PI/2 BPSK	1	137		19.42			
100	PI/2 BPSK	1	271		20.14		21.0	0.0
100	PI/2 BPSK	1	271		19.53			
100	PI/2 BPSK	135	0		20.11			
100	PI/2 BPSK	135	69		20.28		21.0	0.0
100	PI/2 BPSK	135	138		20.18			
100	PI/2 BPSK	270	0		19.97		21.0	0.0
100	QPSK	1	1		19.44			
100	QPSK	1	137		20.33		21.0	0.0
100	QPSK	1	271		19.53			
100	QPSK	135	0		20.05			
100	QPSK	135	69		20.25		21.0	0.0
100	QPSK	135	138		20.13			
100	QPSK	270	0		20.24		21.0	0.0
100	16QAM	1	1		19.56		21.0	0.0
100	64QAM	1	1		19.47		21.0	0.0
100	256QAM	1	1		19.74		21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	633000	633334	633668	Tune-up limit (dB)	MPR
				3495	3500.01	3505.02		
Channel								
Frequency (MHz)								
80	QPSK	1	109	632668	633334	634000	Tune-up limit (dB)	MPR
				3490.02	3500.01	3510		
Channel								
Frequency (MHz)								
60	QPSK	1	81	631668	633334	635000	Tune-up limit (dB)	MPR
				19.90	19.78	19.86		
Channel								
Frequency (MHz)								
50	QPSK	1	67	631334	633334	634668	Tune-up limit (dB)	MPR
				19.75	19.88	19.91		
Channel								
Frequency (MHz)								
40	QPSK	1	53	630668	633334	635334	Tune-up limit (dB)	MPR
				19.75	19.92	19.94		
Channel								
Frequency (MHz)								
20	QPSK	1	26	630500	633334	636168	Tune-up limit (dB)	MPR
				19.93	19.92	19.94		
Channel								
Frequency (MHz)								
15	QPSK	1	19	630334	633334	636334	Tune-up limit (dB)	MPR
				19.75	19.77	19.77		
Channel								
Frequency (MHz)								
10	QPSK	1	12	630168	633334	636334	Tune-up limit (dB)	MPR
				19.90	19.94	19.86		



Reduced power level for 5G NR DSI3

n5 Ant1 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	841.5		
20	PI/2 BPSK	1	1	22.95	23.16	23.09	24.5	0.0
20	PI/2 BPSK	1	26	22.96	23.09	23.05		
20	PI/2 BPSK	1	49	23.00	23.12	23.17		
20	PI/2 BPSK	25	0	23.01	23.05	23.16	24.5	0.0
20	PI/2 BPSK	25	13	22.84	23.20	23.19	24.5	0.0
20	PI/2 BPSK	25	26	23.00	23.15	23.11	24.5	0.0
20	PI/2 BPSK	50	0	22.90	23.06	23.09		
20	QPSK	1	1	22.80	23.22	23.08		
20	QPSK	1	26	22.90	23.12	23.10	24.5	0.0
20	QPSK	1	49	22.81	23.16	23.09		
20	QPSK	25	0	22.94	23.10	23.05	24.5	0.0
20	QPSK	25	13	22.95	23.21	23.13	24.5	0.0
20	QPSK	25	26	22.96	23.06	23.10	24.5	0.0
20	QPSK	50	0	22.89	23.19	23.02		
20	16QAM	1	1	22.80	23.09	23.00	24.5	0.0
20	64QAM	1	1	21.30	21.78	21.68	23.0	1.5
20	256QAM	1	1	19.74	20.26	19.98	21.0	3.5
Channel				168300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.80	23.16	22.92	24.5	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.62	23.19	23.01	24.5	0.0

n7 Ant1 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.15	18.50	18.27		
20	PI/2 BPSK	1	26	18.18	18.38	18.22	19.5	0.0
20	PI/2 BPSK	1	49	18.20	18.36	18.32		
20	PI/2 BPSK	25	0	18.21	18.53	18.34	19.5	0.0
20	PI/2 BPSK	25	13	18.24	18.35	18.33	19.5	0.0
20	PI/2 BPSK	25	26	18.39	18.51	18.29	19.5	0.0
20	PI/2 BPSK	50	0	18.28	18.54	18.29		
20	QPSK	1	1	18.39	18.55	18.23		
20	QPSK	1	26	18.38	18.44	18.41	19.5	0.0
20	QPSK	1	49	18.16	18.33	18.34		
20	QPSK	25	0	18.28	18.33	18.28	19.5	0.0
20	QPSK	25	13	18.33	18.51	18.25	19.5	0.0
20	QPSK	25	26	18.31	18.43	18.24	19.5	0.0
20	QPSK	50	0	18.38	18.48	18.25		
20	16QAM	1	1	18.35	18.46	18.43	19.5	0.0
20	64QAM	1	1	18.22	18.36	18.37	19.5	0.0
20	256QAM	1	1	18.18	18.35	18.43	19.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.37	18.48	18.31	19.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.24	18.44	18.41	19.5	0.0



n38 Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516500	518000	522000			
Frequency (MHz)				2550	2595	2610			
20	PI/2 BPSK	1	1	17.91	18.15	17.95			
20	PI/2 BPSK	1	26	17.88	18.06	18.13	19.5	0.0	
20	PI/2 BPSK	1	49	17.89	18.04	17.98			
20	PI/2 BPSK	25	0	17.82	18.01	18.12	19.5	0.0	
20	PI/2 BPSK	25	13	17.97	18.20	17.94	19.5	0.0	
20	PI/2 BPSK	25	26	18.04	18.18	18.00			
20	PI/2 BPSK	50	0	18.00	18.11	18.13	19.5	0.0	
20	QPSK	1	1	17.98	18.22	17.95			
20	QPSK	1	26	17.87	18.18	18.15	19.5	0.0	
20	QPSK	1	49	17.91	18.12	17.94			
20	QPSK	25	0	17.93	18.08	18.08	19.5	0.0	
20	QPSK	25	13	17.84	18.16	18.17	19.5	0.0	
20	QPSK	25	26	17.82	18.20	18.02			
20	QPSK	50	0	17.88	18.16	17.98	19.5	0.0	
20	16QAM	1	1	17.87	18.18	18.15	19.5	0.0	
20	64QAM	1	1	18.00	18.12	17.98	19.5	0.0	
20	256QAM	1	1	17.92	18.05	18.04	19.5	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	17.95	18.19	18.01	19.5	0.0	
Channel				515004	518000	522296			
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	17.97	18.07	18.13	19.5	0.0	

n41 PC2&3 Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.77	18.92	18.67			
100	PI/2 BPSK	1	137	18.67	18.79	18.66	19.5	0.0	
100	PI/2 BPSK	1	271	18.74	18.90	18.55			
100	PI/2 BPSK	135	0	18.75	18.84	18.62	19.5	0.0	
100	PI/2 BPSK	135	69	18.69	18.73	18.58	19.5	0.0	
100	PI/2 BPSK	135	138	18.70	18.89	18.58			
100	PI/2 BPSK	270	0	18.78	18.94	18.67	19.5	0.0	
100	QPSK	1	1	18.59	18.85	18.65			
100	QPSK	1	137	18.74	18.85	18.53	19.5	0.0	
100	QPSK	1	271	18.79	18.87	18.57			
100	QPSK	135	0	18.61	18.81	18.57	19.5	0.0	
100	QPSK	135	69	18.77	18.84	18.58	19.5	0.0	
100	QPSK	135	138	18.78	18.75	18.67			
100	QPSK	270	0	18.75	18.80	18.67	19.5	0.0	
100	16QAM	1	1	18.77	18.82	18.65	19.5	0.0	
100	64QAM	1	1	18.72	18.76	18.70	19.5	0.0	
100	256QAM	1	1	18.65	18.92	18.72	19.5	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	18.62	18.67	18.73	19.5	0.0	
Channel				507204	518598	528996			
Frequency (MHz)				2538.02	2592.99	2646.99			
80	QPSK	1	109	18.71	18.93	18.74	19.5	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
80	QPSK	1	81	18.57	18.50	18.61	19.5	0.0	
Channel				504204	518598	532996			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	18.65	18.82	18.72	19.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	18.70	18.73	18.65	19.5	0.0	
Channel				501204	518598	535996			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	18.78	18.86	18.67	19.5	0.0	
Channel				500700	518598	536498			
Frequency (MHz)				2503.05	2592.99	2682.98			
15	QPSK	1	19	18.75	18.85	18.65	19.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	18.76	18.75	18.53	19.5	0.0	



### n7 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				50200	50700	51200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.07	23.15	23.08	25.0	0.0
20	PI/2 BPSK	1	26	23.10	23.13	23.19		
20	PI/2 BPSK	1	49	23.02	23.04	23.01		
20	PI/2 BPSK	25	0	22.97	22.67	22.58		
20	PI/2 BPSK	25	13	23.12	23.16	23.04		
20	PI/2 BPSK	25	26	22.56	22.67	22.65		
20	PI/2 BPSK	50	0	22.61	22.72	22.57	24.5	0.5
20	QPSK	1	1	23.05	23.24	23.11	25.0	0.0
20	QPSK	1	26	23.16	23.20	23.01		
20	QPSK	1	49	23.18	23.02	23.14		
20	QPSK	25	0	22.07	22.19	22.10	24.0	1.0
20	QPSK	25	13	23.09	23.19	23.08	25.0	0.0
20	QPSK	25	26	22.32	22.34	22.28	24.0	1.0
20	QPSK	50	0	22.34	22.35	22.30	24.0	1.0
20	16QAM	1	1	22.14	22.25	22.17	24.0	1.0
20	64QAM	1	1	20.62	20.54	20.56	22.5	2.5
20	256QAM	1	1	18.73	18.77	18.67	20.5	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.14	23.16	23.03	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.13	23.15	23.02	25.0	0.0



n38 Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516500	518000	522000			
Frequency (MHz)				2550	2595	2610			
20	PI/2 BPSK	1	1	23.01	23.04	23.12			
20	PI/2 BPSK	1	26	23.03	23.20	23.07	25.0	0.0	
20	PI/2 BPSK	1	49	23.18	23.04	23.05			
20	PI/2 BPSK	25	0	22.68	22.58	22.67	24.5	0.5	
20	PI/2 BPSK	25	13	23.08	23.10	23.02	25.0	0.0	
20	PI/2 BPSK	25	26	22.54	22.57	22.59			
20	PI/2 BPSK	50	0	22.80	22.64	22.57	24.5	0.5	
20	QPSK	1	1	23.05	23.22	23.15			
20	QPSK	1	26	23.10	23.12	23.17	25.0	0.0	
20	QPSK	1	49	23.06	23.09	23.07			
20	QPSK	25	0	22.04	22.15	22.03	24.0	1.0	
20	QPSK	25	13	23.07	23.11	23.02	25.0	0.0	
20	QPSK	25	26	22.20	22.20	22.14			
20	QPSK	50	0	22.22	22.24	22.20	24.0	1.0	
20	16QAM	1	1	22.22	22.41	22.41	24.0	1.0	
20	64QAM	1	1	20.72	20.87	20.76	22.5	2.5	
20	256QAM	1	1	18.75	18.79	18.66	20.5	4.5	
Channel				515502	518000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	23.08	23.12	23.04	25.0	0.0	
Channel				515504	518000	522396			
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	23.04	23.14	23.06	25.0	0.0	

n41 PC3 Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506200	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.03	23.08	23.12			
100	PI/2 BPSK	1	137	23.03	23.20	23.13	25.0	0.0	
100	PI/2 BPSK	1	271	23.02	23.03	23.13			
100	PI/2 BPSK	135	0	23.08	23.13	23.09	25.0	0.0	
100	PI/2 BPSK	135	69	23.20	23.22	23.12	25.0	0.0	
100	PI/2 BPSK	135	138	23.10	23.14	23.06			
100	PI/2 BPSK	270	0	23.08	23.07	23.01	25.0	0.0	
100	QPSK	1	1	23.11	23.03	23.14			
100	QPSK	1	137	23.13	23.26	23.10	25.0	0.0	
100	QPSK	1	271	23.07	23.20	23.11			
100	QPSK	135	0	23.16	23.19	23.16	25.0	0.0	
100	QPSK	135	69	23.22	23.24	23.18	25.0	0.0	
100	QPSK	135	138	23.04	23.17	23.11	25.0	0.0	
100	QPSK	270	0	23.03	23.09	23.05			
100	16QAM	1	1	23.09	23.11	23.04	25.0	0.0	
100	64QAM	1	1	21.71	21.76	21.79	23.5	1.5	
100	256QAM	1	1	19.64	19.64	19.67	21.5	3.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	23.07	23.10	23.05	25.0	0.0	
Channel				507204	518598	528996			
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	23.17	23.06	23.09	25.0	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
80	QPSK	1	81	23.05	23.10	23.08	25.0	0.0	
Channel				504204	518598	532992			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	23.16	23.07	23.08	25.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2510.01	2592.99	2670			
40	QPSK	1	53	23.05	23.10	23.06	25.0	0.0	
Channel				501204	518598	533992			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	23.02	23.08	23.11	25.0	0.0	
Channel				500700	518598	536498			
Frequency (MHz)				2503.05	2592.99	2682.99			
15	QPSK	1	19	23.05	23.08	23.16	25.0	0.0	
Channel				500200	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	23.02	23.07	23.11	25.0	0.0	



Par270 n77 PC3 Ant2 Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	22.59	22.67	22.60				
100	Pi/2 BPSK	1	137	23.55	23.62	23.57	24.0	0.0		
100	Pi/2 BPSK	1	271	22.56	22.61	22.59				
100	Pi/2 BPSK	135	0	23.34	23.49	23.44	24.0	0.0		
100	Pi/2 BPSK	135	69	23.54	23.37	23.59	24.0	0.0		
100	Pi/2 BPSK	135	138	23.34	23.53	23.44				
100	Pi/2 BPSK	270	0	23.50	23.55	23.39	24.0	0.0		
100	QPSK	1	1	22.67	22.62	22.58				
100	QPSK	1	137	23.66	23.72	23.62	24.0	0.0		
100	QPSK	1	271	22.54	22.60	22.59				
100	QPSK	135	0	23.38	23.53	23.37	24.0	0.0		
100	QPSK	135	69	23.38	23.57	23.41	24.0	0.0		
100	QPSK	135	138	23.46	23.48	23.28	24.0	0.0		
100	QPSK	270	0	23.37	23.47	23.29				
100	16QAM	1	1	22.51	22.62	22.51	24.0	0.0		
100	64QAM	1	1	23.12	23.15	23.14	23.5	0.5		
100	256QAM	1	1	21.25	21.22	21.06	21.5	2.5		
Channel										
Frequency (MHz)										
90	QPSK	1	123	23.49	23.56	23.52	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	109	23.49	23.54	23.53	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	81	23.50	23.54	23.51	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	67	23.52	23.55	23.53	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	53	23.49	23.53	23.50	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	26	23.51	23.54	23.51	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	19	23.52	23.55	23.50	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	12	23.51	23.54	23.50	24.0	0.0		

Par270 n77 PC2 Ant2 Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	25.10	25.18	25.14				
100	Pi/2 BPSK	1	137	25.48	25.54	25.41	27.0	0.0		
100	Pi/2 BPSK	1	271	25.04	25.13	25.02				
100	Pi/2 BPSK	135	0	25.50	25.67	25.53	26.5	0.5		
100	Pi/2 BPSK	135	69	25.60	25.66	25.58	27.0	0.0		
100	Pi/2 BPSK	135	138	25.57	25.60	25.56				
100	Pi/2 BPSK	270	0	25.48	25.84	25.53	26.5	0.5		
100	QPSK	1	1	25.12	25.05	24.89				
100	QPSK	1	137	25.61	25.71	25.67	27.0	0.0		
100	QPSK	1	271	25.13	25.14	25.17				
100	QPSK	135	0	24.83	25.03	24.84	26.0	1.0		
100	QPSK	135	69	25.55	25.62	25.43	27.0	0.0		
100	QPSK	135	138	24.74	24.70	24.97	26.0	1.0		
100	QPSK	270	0	24.82	24.88	24.79				
100	16QAM	1	1	24.76	24.77	24.78	26.0	1.0		
100	64QAM	1	1	23.12	23.15	23.17	24.5	2.5		
100	256QAM	1	1	21.11	21.13	21.07	22.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	123	25.49	25.61	25.56	27.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	109	25.47	25.81	25.56	27.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	81	25.51	25.61	25.55	27.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	67	25.49	25.81	25.56	27.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	53	25.49	25.61	25.54	27.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	26	25.51	25.83	25.56	27.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	19	25.49	25.54	25.54	27.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	12	25.50	25.82	25.54	27.0	0.0		

Part27Q n77 PC3 Ant2 Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1			22.92				
100	Pi/2 BPSK	1	137			23.64			24.0	0.0
100	Pi/2 BPSK	1	271			22.74				
100	Pi/2 BPSK	135	0			23.53			24.0	0.0
100	Pi/2 BPSK	135	69			23.96			24.0	0.0
100	Pi/2 BPSK	135	138			23.57			24.0	0.0
100	Pi/2 BPSK	270	0			23.84				
100	QPSK	1	1			22.84				
100	QPSK	1	137			23.67			24.0	0.0
100	QPSK	1	271			22.69				
100	QPSK	135	0			23.81			24.0	0.0
100	QPSK	135	69			23.62			24.0	0.0
100	QPSK	135	138			23.55			24.0	0.0
100	QPSK	270	0			23.61				
100	16QAM	1	1			22.99			24.0	0.0
100	64QAM	1	1			23.15			23.5	0.5
100	256QAM	1	1			21.27			21.5	2.5
Channel										
Frequency (MHz)										
90	QPSK	1	123	23.48	23.44	23.38	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	109	23.48	23.47	23.39	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	81	23.46	23.45	23.39	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	67	23.49	23.45	23.37	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	53	23.47	23.47	23.38	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	26	23.47	23.46	23.38	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	19	23.47	23.45	23.38	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	12	23.47	23.47	23.37	24.0	0.0		



### Part27Q n77 PC2 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	25.12	25.12	25.12		
100	PI/2 BPSK	1	137	25.47	25.47	25.47	27.0	0.0
100	PI/2 BPSK	1	271	24.81	24.81	24.81		
100	PI/2 BPSK	135	0	25.36	25.36	25.36	26.5	0.5
100	PI/2 BPSK	135	69	25.47	25.47	25.47	27.0	0.0
100	PI/2 BPSK	135	138	25.41	25.41	25.41		
100	PI/2 BPSK	270	0	25.44	25.44	25.44	26.5	0.5
100	QPSK	1	1	25.21	25.21	25.21		
100	QPSK	1	137	25.55	25.55	25.55	27.0	0.0
100	QPSK	1	271	25.10	25.10	25.10		
100	QPSK	135	0	24.78	24.78	24.78	26.0	1.0
100	QPSK	135	69	25.50	25.50	25.50	27.0	0.0
100	QPSK	135	138	24.76	24.76	24.76	26.0	1.0
100	QPSK	270	0	24.96	24.96	24.96	26.0	1.0
100	16QAM	1	1	23.94	23.94	23.94	26.0	1.0
100	64QAM	1	1	23.15	23.15	23.15	24.5	2.5
100	256QAM	1	1	21.06	21.06	21.06	22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	25.32	25.39	25.42	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	25.33	25.37	25.41	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	25.33	25.38	25.41	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	25.32	25.41	25.41	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	25.34	25.41	25.43	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	25.34	25.40	25.43	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	25.34	25.40	25.41	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	25.33	25.38	25.43	27.0	0.0

### Part27O n78 PC3 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	22.58	22.58	22.58		
100	PI/2 BPSK	1	137	23.42	23.42	23.42	24.0	0.0
100	PI/2 BPSK	1	271	22.51	22.51	22.51		
100	PI/2 BPSK	135	0	23.39	23.39	23.39	24.0	0.0
100	PI/2 BPSK	135	69	23.44	23.44	23.44	24.0	0.0
100	PI/2 BPSK	135	138	23.42	23.42	23.42	24.0	0.0
100	PI/2 BPSK	270	0	23.37	23.37	23.37	24.0	0.0
100	QPSK	1	1	22.55	22.55	22.55		
100	QPSK	1	137	23.46	23.46	23.46	24.0	0.0
100	QPSK	1	271	22.56	22.56	22.56		
100	QPSK	135	0	23.39	23.39	23.39	24.0	0.0
100	QPSK	135	69	23.44	23.44	23.44	24.0	0.0
100	QPSK	135	138	23.43	23.43	23.43	24.0	0.0
100	QPSK	270	0	23.42	23.42	23.42	24.0	0.0
100	16QAM	1	1	22.55	22.55	22.55	24.0	0.0
100	64QAM	1	1	23.04	23.04	23.04	23.5	0.5
100	256QAM	1	1	21.03	21.03	21.03	21.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	23.39	23.26	23.40	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	23.37	23.25	23.41	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	23.38	23.28	23.40	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	23.37	23.27	23.43	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	23.38	23.26	23.44	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	23.38	23.25	23.42	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	23.37	23.27	23.41	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	23.37	23.26	23.41	24.0	0.0

### Part27O n78 PC2 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	25.14	25.14	25.14		
100	PI/2 BPSK	1	137	25.60	25.60	25.60	27.0	0.0
100	PI/2 BPSK	1	271	25.07	25.07	25.07		
100	PI/2 BPSK	135	0	25.30	25.30	25.30	26.5	0.5
100	PI/2 BPSK	135	69	25.58	25.58	25.58	27.0	0.0
100	PI/2 BPSK	135	138	25.23	25.23	25.23	26.5	0.5
100	PI/2 BPSK	270	0	25.16	25.16	25.16	26.5	0.5
100	QPSK	1	1	25.22	25.22	25.22		
100	QPSK	1	137	25.65	25.65	25.65	27.0	0.0
100	QPSK	1	271	25.15	25.15	25.15		
100	QPSK	135	0	25.33	25.33	25.33	26.0	1.0
100	QPSK	135	69	25.59	25.59	25.59	27.0	0.0
100	QPSK	135	138	24.65	24.65	24.65	26.0	1.0
100	QPSK	270	0	24.81	24.81	24.81	26.0	1.0
100	16QAM	1	1	24.03	24.03	24.03	24.5	2.5
100	64QAM	1	1	23.14	23.14	23.14	24.5	2.5
100	256QAM	1	1	21.19	21.19	21.19	22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	25.52	25.37	25.49	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	25.52	25.38	25.51	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	25.52	25.37	25.48	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	25.53	25.40	25.51	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	25.51	25.38	25.52	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	25.54	25.39	25.49	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	25.53	25.38	25.50	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	25.54	25.38	25.50	27.0	0.0





### Part27Q 78 PC3 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.49			24.0	0.0
100	PI/2 BPSK	1	137	23.31				
100	PI/2 BPSK	1	271	22.40				
100	PI/2 BPSK	135	0	23.29			24.0	0.0
100	PI/2 BPSK	135	69	23.32				
100	PI/2 BPSK	135	138	23.31				
100	PI/2 BPSK	270	0	23.28			24.0	0.0
100	QPSK	1	1	22.46				
100	QPSK	1	137	23.38				
100	QPSK	1	271	22.46			24.0	0.0
100	QPSK	135	0	23.30				
100	QPSK	135	69	23.35				
100	QPSK	135	138	23.33			24.0	0.0
100	QPSK	270	0	23.33				
100	16QAM	1	1	22.44				
100	64QAM	1	1	22.99			23.5	0.5
100	256QAM	1	1	20.87			21.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	23.27	23.16	23.30	24.0	0.0
Channel				633668	633334	633000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	23.30	23.15	23.30	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	23.30	23.16	23.30	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	23.28	23.17	23.31	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	23.31	23.16	23.31	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	23.28	23.17	23.32	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	23.29	23.14	23.30	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	23.27	23.17	23.31	24.0	0.0

### Part27Q 78 PC2 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.49			27.0	0.0
100	PI/2 BPSK	1	137	25.49				
100	PI/2 BPSK	1	271	24.98				
100	PI/2 BPSK	135	0	25.21			26.5	0.5
100	PI/2 BPSK	135	69	25.48				
100	PI/2 BPSK	135	138	25.13				
100	PI/2 BPSK	270	0	25.07			26.5	0.5
100	QPSK	1	1	25.13				
100	QPSK	1	137	25.56				
100	QPSK	1	271	25.05			27.0	0.0
100	QPSK	135	0	25.24				
100	QPSK	135	69	25.48				
100	QPSK	135	138	24.56			27.0	1.0
100	QPSK	270	0	24.70				
100	16QAM	1	1	23.84				
100	64QAM	1	1	23.14			24.5	2.5
100	256QAM	1	1	21.09			22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	25.41	25.29	25.40	27.0	0.0
Channel				633668	633334	633000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	25.42	25.26	25.38	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	25.43	25.27	25.41	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	25.43	25.29	25.37	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	25.42	25.25	25.37	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	25.42	25.27	25.39	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	25.41	25.27	25.39	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	25.43	25.26	25.40	27.0	0.0



### Par270 n77 PC3 Ant3 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	65000		
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	22.40	22.58	22.49		
100	Pi/2 BPSK	1	137	23.45	23.63	23.46	24.0	0.0
100	Pi/2 BPSK	1	271	22.35	22.52	22.49		
100	Pi/2 BPSK	138	0	23.24	23.40	23.35	24.0	0.0
100	Pi/2 BPSK	138	69	23.43	23.27	23.48	24.0	0.0
100	Pi/2 BPSK	138	138	23.25	23.42	23.35	24.0	0.0
100	Pi/2 BPSK	270	0	23.40	23.44	23.29		
100	QPSK	1	1	22.37	22.50	22.46		
100	QPSK	1	137	23.36	23.61	23.53	24.0	0.0
100	QPSK	1	271	22.31	22.49	22.37		
100	QPSK	138	0	23.27	23.43	23.28	24.0	0.0
100	QPSK	138	69	23.28	23.49	23.33	24.0	0.0
100	QPSK	138	138	23.35	23.37	23.20	24.0	0.0
100	QPSK	270	0	23.26	23.37	23.18		
100	16QAM	1	1	22.31	22.33	22.32	24.0	0.0
100	64QAM	1	1	22.81	22.85	22.83	23.5	0.5
100	256QAM	1	1	21.26	21.15	21.13	21.5	2.5
Channel				648688	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	(dB)	(dB)
90	QPSK	1	123	22.45	23.25	23.05	24.0	0.0
Channel				648334	656000	662688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	22.96	23.21	23.20	24.0	0.0
Channel				648688	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	22.99	23.11	23.22	24.0	0.0
Channel				648334	656000	663688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	23.02	23.27	23.08	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3950.01	(dBm)	(dB)
40	QPSK	1	53	23.11	23.11	23.05	24.0	0.0
Channel				647334	656000	664688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	23.04	23.25	23.17	24.0	0.0
Channel				647188	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.82	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	23.05	23.11	23.22	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	12	23.10	23.13	23.18	24.0	0.0

### Par270 n77 PC2 Ant3 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	65000		
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	25.58	25.67	25.63		
100	Pi/2 BPSK	1	137	26.27	26.34	26.22	27.0	0.0
100	Pi/2 BPSK	1	271	25.52	25.63	25.50		
100	Pi/2 BPSK	138	0	26.32	26.48	26.35	26.5	0.5
100	Pi/2 BPSK	138	69	26.39	26.47	26.38	27.0	0.0
100	Pi/2 BPSK	138	138	26.37	26.40	26.37	26.5	0.5
100	Pi/2 BPSK	270	0	26.29	26.42	26.35		
100	QPSK	1	1	25.72	25.84	25.70		
100	QPSK	1	137	26.38	26.50	26.48	27.0	0.0
100	QPSK	1	271	25.55	25.52	25.56		
100	QPSK	138	0	25.63	25.84	25.66	26.0	1.0
100	QPSK	138	69	26.33	26.44	26.24	27.0	0.0
100	QPSK	138	138	25.55	25.52	25.77	26.0	1.0
100	QPSK	270	0	25.68	25.69	25.59		
100	16QAM	1	1	25.55	25.58	25.56	26.0	1.0
100	64QAM	1	1	23.83	23.83	23.87	24.5	2.5
100	256QAM	1	1	21.91	21.94	21.86	22.5	4.5
Channel				649688	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	123	26.10	26.36	26.24	27.0	0.0
Channel				648334	656000	663688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	26.21	26.41	26.22	27.0	0.0
Channel				648688	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	26.20	26.31	26.24	27.0	0.0
Channel				648334	656000	663688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	26.13	26.39	26.26	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3950.01	(dBm)	(dB)
40	QPSK	1	53	26.23	26.27	26.23	27.0	0.0
Channel				647334	656000	664688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	26.11	26.38	26.19	27.0	0.0
Channel				647188	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.82	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	26.27	26.26	26.18	27.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	12	26.28	26.30	26.22	27.0	0.0

### Part27Q n77 PC3 Ant3 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633000		
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1	22.73				
100	Pi/2 BPSK	1	137	23.44			24.0	0.0
100	Pi/2 BPSK	1	271	22.53				
100	Pi/2 BPSK	138	0	23.32			24.0	0.0
100	Pi/2 BPSK	138	69	23.37			24.0	0.0
100	Pi/2 BPSK	138	138	23.37			24.0	0.0
100	Pi/2 BPSK	270	0	23.46				
100	QPSK	1	1	22.65				
100	QPSK	1	137	23.50			24.0	0.0
100	QPSK	1	271	22.49				
100	QPSK	138	0	23.40			24.0	0.0
100	QPSK	138	69	23.42			24.0	0.0
100	QPSK	138	138	23.35			24.0	0.0
100	QPSK	270	0	23.40				
100	16QAM	1	1	22.40			24.0	0.0
100	64QAM	1	1	22.95			23.5	0.5
100	256QAM	1	1	21.21			21.5	2.5
Channel				633000	633334	633688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	23.28	23.27	23.19	24.0	0.0
Channel				632688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	23.26	23.15	23.22	24.0	0.0
Channel				632000	633334	634688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	23.22	23.29	23.28	24.0	0.0
Channel				631688	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	23.17	23.16	23.15	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	23.11	23.16	23.29	24.0	0.0
Channel				630988	633334	635800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	23.12	23.17	23.18	24.0	0.0
Channel				630500	633334	636188	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
15	QPSK	1	19	23.14	23.16	23.16	24.0	0.0
Channel				630334	633334	636834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	23.29	23.30	23.28	24.0	0.0



### Part27Q n77 PC2 Ant3 Default power

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel	3500.01	633334			
Frequency (MHz)	3500.01	633334			
100	25.64				
100	25.53			27.0	0.0
100	26.06			26.5	0.5
100	26.17			27.0	0.0
100	26.09			26.5	0.5
100	26.13			27.0	0.0
100	25.91			27.0	0.0
100	25.24			26.0	1.0
100	25.46			26.0	1.0
100	25.47			26.0	1.0
100	26.19			26.0	1.0
100	25.45			26.0	1.0
100	25.54			26.0	1.0
100	24.55			24.5	2.5
100	23.58			22.5	4.5
100	21.85			22.5	4.5
Channel	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3495	3500.01	3505.02		
90	25.73	25.79	25.82	27.0	0.0
Channel	3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3490.02	3500.01	3510		
80	25.77	25.87	25.89	27.0	0.0
Channel	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3490	3500.01	3520.02		
60	25.77	25.83	25.75	27.0	0.0
Channel	631668	633334	633000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3475.02	3500.01	3525		
50	25.69	25.76	25.78	27.0	0.0
Channel	631334	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3470.01	3500.01	3520.02		
40	25.80	25.84	25.75	27.0	0.0
Channel	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3460.02	3500.01	3540		
20	25.70	25.69	25.77	27.0	0.0
Channel	630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3455.01	3500.01	3545.01		
15	25.87	25.80	25.80	27.0	0.0
Channel	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3455.01	3500.01	3545.01		
10	25.79	25.79	25.86	27.0	0.0

### Part27Q n78 PC3 Ant3 Default power

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel	3750	650000			
Frequency (MHz)	3750	650000			
100	22.52				
100	23.49			24.0	0.0
100	22.57			24.0	0.0
100	23.46			24.0	0.0
100	23.51			24.0	0.0
100	23.47			24.0	0.0
100	23.41			24.0	0.0
100	22.60			24.0	0.0
100	23.33			24.0	0.0
100	22.62			24.0	0.0
100	23.45			24.0	0.0
100	23.51			24.0	0.0
100	23.50			24.0	0.0
100	23.30			24.0	0.0
100	22.32			23.5	0.5
100	22.93			21.5	2.5
100	21.10			21.5	2.5
Channel	649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3745.02	3750	3755.01		
90	23.42	23.32	23.47	24.0	0.0
Channel	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3740.01	3750	3760.02		
80	23.32	23.37	23.39	24.0	0.0
Channel	648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3730.02	3750	3770.01		
60	23.35	23.27	23.29	24.0	0.0
Channel	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3725.01	3750	3775.02		
50	23.36	23.33	23.43	24.0	0.0
Channel	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3720	3750	3780		
40	23.45	23.37	23.38	24.0	0.0
Channel	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3710.01	3750	3790.02		
20	23.44	23.33	23.32	24.0	0.0
Channel	647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3707.62	3750	3792.51		
15	23.32	23.28	23.37	24.0	0.0
Channel	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3705	3750	3795		
10	23.34	23.46	23.47	24.0	0.0

### Part27Q n78 PC2 Ant3 Default power

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel	3750	650000			
Frequency (MHz)	3750	650000			
100	25.92				
100	26.40			27.0	0.0
100	25.88			26.5	0.5
100	26.09			27.0	0.0
100	26.39			27.0	0.0
100	26.03			26.5	0.5
100	25.97			27.0	0.0
100	26.03			27.0	0.0
100	25.43			26.0	1.0
100	25.95			26.12	1.0
100	26.12			27.0	0.0
100	26.40			27.0	0.0
100	25.45			26.0	1.0
100	25.59			26.0	1.0
100	24.83			24.5	2.5
100	23.87			22.5	4.5
100	21.98			22.5	4.5
Channel	649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3745.02	3750	3755.01		
90	26.33	26.18	26.30	27.0	0.0
Channel	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3740.01	3750	3760.02		
80	26.23	26.28	26.24	27.0	0.0
Channel	648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3730.02	3750	3770.01		
60	26.31	26.17	26.33	27.0	0.0
Channel	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3725.01	3750	3775.02		
50	26.19	26.15	26.26	27.0	0.0
Channel	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3720	3750	3780		
40	26.29	26.21	26.30	27.0	0.0
Channel	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3710.01	3750	3790.02		
20	26.21	26.27	26.28	27.0	0.0
Channel	647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3707.62	3750	3792.51		
15	26.32	26.15	26.21	27.0	0.0
Channel	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3705	3750	3795		
10	26.18	26.17	26.26	27.0	0.0



### Part27Q 78 PC3 Ant3 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.33				
100	PI/2 BPSK	1	137	23.12			24.0	0.0
100	PI/2 BPSK	135	0	22.27				
100	PI/2 BPSK	135	69	23.20			24.0	0.0
100	PI/2 BPSK	135	138	23.02				
100	PI/2 BPSK	270	0	23.06			24.0	0.0
100	QPSK	1	1	22.38				
100	QPSK	1	137	23.24			24.0	0.0
100	QPSK	1	271	22.27				
100	QPSK	135	0	23.15				
100	QPSK	135	69	23.19			24.0	0.0
100	QPSK	135	138	23.07				
100	QPSK	270	0	23.12			24.0	0.0
100	16QAM	1	1	22.14			24.0	0.0
100	64QAM	1	1	22.79			23.5	0.5
100	256QAM	1	1	20.80			21.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	23.01	23.03	23.03	24.0	0.0
Channel				633668	633334	633000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	22.99	22.98	23.00	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	22.98	22.94	22.85	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	22.90	22.90	22.94	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	22.85	23.00	22.95	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	22.87	22.94	23.05	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	23.04	22.87	23.05	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	23.05	22.88	22.88	24.0	0.0

### Part27Q 78 PC2 Ant3 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	25.88				
100	PI/2 BPSK	1	137	26.06			27.0	0.0
100	PI/2 BPSK	135	0	25.56				
100	PI/2 BPSK	135	69	25.86			26.5	0.5
100	PI/2 BPSK	135	138	25.81			27.0	0.0
100	PI/2 BPSK	270	0	25.91			26.5	0.5
100	QPSK	1	1	25.87				
100	QPSK	1	137	26.23			27.0	0.0
100	QPSK	1	271	25.82				
100	QPSK	135	0	25.42			26.0	1.0
100	QPSK	135	69	26.20			27.0	0.0
100	QPSK	135	138	25.42			26.0	1.0
100	QPSK	270	0	25.41			26.0	1.0
100	16QAM	1	1	24.83			24.5	2.5
100	64QAM	1	1	23.57			24.5	2.5
100	256QAM	1	1	21.85			22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	26.06	26.07	26.01	27.0	0.0
Channel				633668	633334	633000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	25.99	25.99	26.05	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	25.11	26.09	26.09	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	25.97	26.13	26.10	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	26.14	26.10	26.00	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	26.01	26.12	26.13	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	25.89	26.11	26.09	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	26.03	25.96	26.12	27.0	0.0



n5 Ant4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				16650	16700	16750		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.94	24.14	24.11	25.5	0.0
20	PI/2 BPSK	1	26	23.95	24.04	23.86		
20	PI/2 BPSK	1	49	23.74	23.96	23.83		
20	PI/2 BPSK	25	0	23.47	23.64	23.50	25.0	0.5
20	PI/2 BPSK	25	13	24.07	24.10	23.94	25.5	0.0
20	PI/2 BPSK	25	26	23.50	23.61	23.42	25.0	0.5
20	PI/2 BPSK	50	0	23.54	23.67	23.64		
20	QPSK	1	1	24.03	24.22	24.20		
20	QPSK	1	26	24.03	24.06	23.92	25.5	0.0
20	QPSK	1	49	23.82	23.96	23.74		
20	QPSK	25	0	22.92	23.13	23.02		
20	QPSK	25	13	23.87	24.08	23.86	25.5	0.0
20	QPSK	25	26	22.81	23.05	22.98	24.5	1.0
20	QPSK	50	0	22.87	23.10	22.91		
20	16QAM	1	1	22.58	22.65	22.52		
20	64QAM	1	1	21.10	21.20	21.02	23.0	2.5
20	256QAM	1	1	19.73	19.75	19.58	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.95	24.11	24.13	25.5	0.0
Channel				165900	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.02	24.16	24.09	25.5	0.0

n7 Ant4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.69	24.91	24.88	25.5	0.0
20	PI/2 BPSK	1	26	24.85	24.86	24.84		
20	PI/2 BPSK	1	49	24.69	24.73	24.51		
20	PI/2 BPSK	25	0	24.36	24.44	24.37	25.0	0.5
20	PI/2 BPSK	25	13	24.89	24.89	24.71	25.0	0.5
20	PI/2 BPSK	25	26	24.12	24.36	24.28		
20	PI/2 BPSK	50	0	24.26	24.41	24.40		
20	QPSK	1	1	24.90	24.95	24.84	25.5	0.0
20	QPSK	1	26	24.83	24.83	24.74		
20	QPSK	1	49	24.74	24.84	24.63		
20	QPSK	25	0	23.79	23.92	23.85	24.5	1.0
20	QPSK	25	13	24.65	24.76	24.59	24.5	0.0
20	QPSK	25	26	23.84	23.86	23.65		
20	QPSK	50	0	23.69	23.67	23.66		
20	16QAM	1	1	23.72	23.72	23.61	24.5	1.0
20	64QAM	1	1	22.27	22.36	22.13	23.0	2.5
20	256QAM	1	1	20.65	20.74	20.60	21.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.86	24.84	24.66	25.5	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.82	24.79	24.80	25.5	0.0



n38 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519500	520000			
Frequency (MHz)				2550	2555	2610			
20	PI/2 BPSK	1	1	24.31	24.47	24.48			
20	PI/2 BPSK	1	26	24.21	24.36	24.25	25.5	0.0	
20	PI/2 BPSK	1	49	24.30	24.41	24.26			
20	PI/2 BPSK	25	0	23.78	23.92	23.72	25.0	0.5	
20	PI/2 BPSK	25	13	24.29	24.40	24.30	25.5	0.0	
20	PI/2 BPSK	25	26	23.94	23.96	23.82			
20	PI/2 BPSK	50	0	23.86	24.02	23.96	25.0	0.5	
20	QPSK	1	1	24.36	24.51	24.23			
20	QPSK	1	26	24.33	24.45	24.07	25.5	0.0	
20	QPSK	1	49	24.37	24.29	24.21			
20	QPSK	25	0	23.50	23.53	23.39	24.5	1.0	
20	QPSK	25	13	24.24	24.43	24.30	25.5	0.0	
20	QPSK	25	26	23.51	23.83	23.69			
20	QPSK	50	0	23.56	23.61	23.60	24.5	1.0	
20	16QAM	1	1	23.80	23.57	23.54	24.5	1.0	
20	64QAM	1	1	22.11	22.23	22.16	23.0	2.5	
20	256QAM	1	1	20.18	20.16	20.07	21.0	4.5	
Channel				519502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	24.31	24.41	24.19	25.5	0.0	
Channel				515004	516500	523996			
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	24.27	24.35	24.10	25.5	0.0	

n41 PC3 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	526300			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.30	23.36	23.15			
100	PI/2 BPSK	1	137	24.18	24.30	24.20	24.5	0.0	
100	PI/2 BPSK	1	271	23.42	23.54	23.43			
100	PI/2 BPSK	135	0	24.05	24.14	24.00	24.5	0.0	
100	PI/2 BPSK	135	69	24.22	24.29	24.07	24.5	0.0	
100	PI/2 BPSK	135	138	24.17	24.22	24.03			
100	PI/2 BPSK	270	0	24.05	24.15	24.02	24.5	0.0	
100	QPSK	1	1	23.19	23.24	23.17			
100	QPSK	1	137	24.10	24.31	24.23	24.5	0.0	
100	QPSK	1	271	23.40	23.42	23.41			
100	QPSK	135	0	24.05	24.07	23.98	24.5	0.0	
100	QPSK	135	69	24.13	24.30	24.25	24.5	0.0	
100	QPSK	135	138	24.06	24.25	24.19	24.5	0.0	
100	QPSK	270	0	23.92	24.12	24.00			
100	16QAM	1	1	23.12	23.17	23.05	24.5	0.0	
100	64QAM	1	1	22.76	22.83	22.76	23.0	1.5	
100	256QAM	1	1	20.66	20.71	20.68	21.0	3.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.04	24.22	24.11	24.5	0.0	
Channel				507204	518598	529398			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.15	24.01	24.03	24.5	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.11	24.15	24.07	24.5	0.0	
Channel				504204	518598	532596			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.14	24.00	24.14	24.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.01	24.13	24.08	24.5	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.12	24.02	24.04	24.5	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.3	2592.99	2682.43			
15	QPSK	1	19	24.17	24.15	24.01	24.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.14	24.12	24.16	24.5	0.0	

n41 PC2 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	526300			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.21	23.44	23.25			
100	PI/2 BPSK	1	137	24.66	24.78	24.75	26.0	0.0	
100	PI/2 BPSK	1	271	23.86	24.04	23.99			
100	PI/2 BPSK	135	0	24.25	24.34	24.26	25.5	0.5	
100	PI/2 BPSK	135	69	24.25	24.65	24.42	26.0	0.0	
100	PI/2 BPSK	135	138	24.55	24.62	24.57			
100	PI/2 BPSK	270	0	24.28	24.47	24.39	25.5	0.5	
100	QPSK	1	1	23.40	23.47	23.30			
100	QPSK	1	137	24.60	24.83	24.79	26.0	0.0	
100	QPSK	1	271	23.89	24.11	23.99			
100	QPSK	135	0	23.98	23.48	23.33	25.0	1.0	
100	QPSK	135	69	24.76	24.76	24.66	26.0	0.0	
100	QPSK	135	138	23.59	23.75	23.69	25.0	1.0	
100	QPSK	270	0	23.48	23.69	23.52			
100	16QAM	1	1	23.49	23.64	23.63	25.0	1.0	
100	64QAM	1	1	21.90	22.10	22.05	23.5	2.5	
100	256QAM	1	1	20.27	20.28	20.05	21.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.32	24.46	24.06	26.0	0.0	
Channel				507204	518598	529398			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.22	24.47	24.07	26.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.30	24.47	24.29	26.0	0.0	
Channel				504204	518598	532596			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.21	24.39	24.07	26.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.83	24.42	24.11	26.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.25	24.31	24.11	26.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.43			
15	QPSK	1	19	24.37	24.29	24.13	26.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.34	24.31	24.09	26.0	0.0	



Par270 n77 PC3 Ant5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	666000	662000			
Frequency (MHz)				3750	3850	3950			
100	PI/2 BPSK	1	1	15.50	15.52	15.39			
100	PI/2 BPSK	1	137	15.49	15.48	15.38	17.0	0.0	
100	PI/2 BPSK	1	271	15.40	15.55	15.30			
100	PI/2 BPSK	135	0	15.49	15.47	15.42	17.0	0.0	
100	PI/2 BPSK	135	69	15.41	15.45	15.31	17.0	0.0	
100	PI/2 BPSK	135	138	15.39	15.43	15.36			
100	PI/2 BPSK	270	0	15.38	15.54	15.40	17.0	0.0	
100	QPSK	1	1	15.45	15.49	15.33			
100	QPSK	1	137	15.55	15.59	15.45	17.0	0.0	
100	QPSK	1	271	15.46	15.44	15.40			
100	QPSK	135	0	15.42	15.45	15.36	17.0	0.0	
100	QPSK	135	69	15.41	15.53	15.39	17.0	0.0	
100	QPSK	135	138	15.51	15.47	15.35	17.0	0.0	
100	QPSK	270	0	15.49	15.53	15.30			
100	16QAM	1	1	15.39	15.48	15.42	17.0	0.0	
100	64QAM	1	1	15.44	15.49	15.31	17.0	0.0	
100	256QAM	1	1	15.46	15.42	15.35	17.0	0.0	
Channel				649668	666000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	15.49	15.53	15.29	17.0	0.0	
Channel				648334	666000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	15.48	15.50	15.36	17.0	0.0	
Channel				648668	666000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	15.43	15.49	15.35	17.0	0.0	
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	15.50	15.54	15.31	17.0	0.0	
Channel				648000	666000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	15.52	15.51	15.34	17.0	0.0	
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	15.41	15.44	15.29	17.0	0.0	
Channel				647168	666000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	15.52	15.44	15.31	17.0	0.0	
Channel				647000	666000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	15.41	15.48	15.29	17.0	0.0	

Part27Q n77 PC3 Ant5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633501			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1			15.46			
100	PI/2 BPSK	1	137			15.37	17.0	0.0	
100	PI/2 BPSK	1	271			15.38			
100	PI/2 BPSK	135	0			15.44			
100	PI/2 BPSK	135	69			15.39	17.0	0.0	
100	PI/2 BPSK	135	138			15.44			
100	PI/2 BPSK	270	0			15.39	17.0	0.0	
100	QPSK	1	1			15.32			
100	QPSK	1	137			15.48	17.0	0.0	
100	QPSK	1	271			15.43			
100	QPSK	135	0			15.36			
100	QPSK	135	69			15.40	17.0	0.0	
100	QPSK	135	138			15.37			
100	QPSK	270	0			15.36	17.0	0.0	
100	16QAM	1	1			15.45	17.0	0.0	
100	64QAM	1	1			15.45	17.0	0.0	
100	256QAM	1	1			15.44	17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	15.39	15.26	15.34	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	15.35	15.29	15.40	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	15.27	15.24	15.44	17.0	0.0	
Channel				631668	633334	635500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	15.39	15.29	15.44	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	15.29	15.29	15.34	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	15.37	15.24	15.43	17.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.15	3500.01	3542.52			
15	QPSK	1	19	15.32	15.37	15.41	17.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	15.32	15.37	15.34	17.0	0.0	



Part270 n78 PC3 Ant5 DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	15.44			
100	PI/2 BPSK	1	137	15.46		17.0	0.0
100	PI/2 BPSK	1	271	15.44			
100	PI/2 BPSK	135	0	15.42		17.0	0.0
100	PI/2 BPSK	135	69	15.44		17.0	0.0
100	PI/2 BPSK	135	138	15.44			
100	PI/2 BPSK	270	0	15.43		17.0	0.0
100	QPSK	1	1	15.40			
100	QPSK	1	137	15.53		17.0	0.0
100	QPSK	1	271	15.50			
100	QPSK	135	0	15.42		17.0	0.0
100	QPSK	135	69	15.45		17.0	0.0
100	QPSK	135	138	15.38		17.0	0.0
100	QPSK	270	0	15.40		17.0	0.0
100	16QAM	0	1	15.49		17.0	0.0
100	64QAM	1	1	15.39		17.0	0.0
100	256QAM	1	1	15.42		17.0	0.0
Channel				649668	650000	650334	Tune-up limit MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm) (dB)
90	QPSK	1	123	15.52	15.49	15.47	17.0 0.0
Channel				649334	650000	650668	Tune-up limit MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm) (dB)
80	QPSK	1	109	15.39	15.49	15.48	17.0 0.0
Channel				648668	650000	651334	Tune-up limit MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm) (dB)
60	QPSK	1	81	15.41	15.48	15.41	17.0 0.0
Channel				648334	650000	651668	Tune-up limit MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm) (dB)
50	QPSK	1	67	15.48	15.50	15.47	17.0 0.0
Channel				648000	650000	652000	Tune-up limit MPR
Frequency (MHz)				3720	3750	3780	(dBm) (dB)
40	QPSK	1	53	15.48	15.43	15.49	17.0 0.0
Channel				647334	650000	652668	Tune-up limit MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm) (dB)
20	QPSK	1	26	15.50	15.49	15.47	17.0 0.0
Channel				647168	650000	652834	Tune-up limit MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm) (dB)
15	QPSK	1	19	15.43	15.45	15.42	17.0 0.0
Channel				647000	650000	653000	Tune-up limit MPR
Frequency (MHz)				3705	3750	3795	(dBm) (dB)
10	QPSK	1	12	15.48	15.44	15.41	17.0 0.0

Part27Q 78 PC3 Ant5 DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	PI/2 BPSK	1	1	15.35			
100	PI/2 BPSK	1	137	15.30		17.0	0.0
100	PI/2 BPSK	1	271	15.30			
100	PI/2 BPSK	135	0	15.29		17.0	0.0
100	PI/2 BPSK	135	69	15.32		17.0	0.0
100	PI/2 BPSK	135	138	15.29			
100	PI/2 BPSK	270	0	15.29		17.0	0.0
100	QPSK	1	1	15.33			
100	QPSK	1	137	15.38		17.0	0.0
100	QPSK	1	271	15.32			
100	QPSK	135	0	15.36		17.0	0.0
100	QPSK	135	69	15.35		17.0	0.0
100	QPSK	135	138	15.29		17.0	0.0
100	QPSK	270	0	15.30		17.0	0.0
100	16QAM	1	1	15.36		17.0	0.0
100	64QAM	1	1	15.31		17.0	0.0
100	256QAM	1	1	15.28		17.0	0.0
Channel				633000	633334	633668	Tune-up limit MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm) (dB)
90	QPSK	1	123	15.09	15.16	15.24	17.0 0.0
Channel				632668	633334	634000	Tune-up limit MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm) (dB)
80	QPSK	1	109	15.22	15.22	15.31	17.0 0.0
Channel				632000	633334	634668	Tune-up limit MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm) (dB)
60	QPSK	1	81	15.15	15.19	15.19	17.0 0.0
Channel				631668	633334	635000	Tune-up limit MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm) (dB)
50	QPSK	1	67	15.12	15.27	15.28	17.0 0.0
Channel				631334	633334	635334	Tune-up limit MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm) (dB)
40	QPSK	1	53	15.19	15.27	15.21	17.0 0.0
Channel				630668	633334	636000	Tune-up limit MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm) (dB)
20	QPSK	1	26	15.19	15.23	15.20	17.0 0.0
Channel				630500	633334	636168	Tune-up limit MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm) (dB)
15	QPSK	1	19	15.12	15.24	15.31	17.0 0.0
Channel				630334	633334	636334	Tune-up limit MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm) (dB)
10	QPSK	1	12	15.21	15.23	15.29	17.0 0.0





Par270 n77 PC3 Ant6 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	656000	662000			
Frequency (MHz)				3750	3550	3950			
100	PI/2 BPSK	1	1	17.43	17.53	17.47			
100	PI/2 BPSK	1	137	17.54	17.55	17.56	18.0	0.0	
100	PI/2 BPSK	1	271	17.45	17.56	17.53			
100	PI/2 BPSK	135	0	17.47	17.54	17.56	18.0	0.0	
100	PI/2 BPSK	135	69	17.43	17.52	17.51	18.0	0.0	
100	PI/2 BPSK	135	138	17.45	17.53	17.56			
100	PI/2 BPSK	270	0	17.49	17.54	17.50	18.0	0.0	
100	QPSK	1	1	17.45	17.47	17.49			
100	QPSK	1	137	17.49	17.57	17.49	18.0	0.0	
100	QPSK	1	271	17.46	17.46	17.44			
100	QPSK	135	0	17.52	17.52	17.50	18.0	0.0	
100	QPSK	135	69	17.44	17.54	17.46	18.0	0.0	
100	QPSK	135	138	17.46	17.48	17.48	18.0	0.0	
100	QPSK	270	0	17.51	17.56	17.44			
100	16QAM	1	1	17.46	17.52	17.56	18.0	0.0	
100	64QAM	1	1	17.49	17.52	17.56	18.0	0.0	
100	256QAM	1	1	17.50	17.56	17.44	18.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	17.46	17.50	17.50	18.0	0.0	
Channel				645334	656000	662968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3949.02			
80	QPSK	1	109	17.53	17.59	17.48	18.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	17.50	17.56	17.44	18.0	0.0	
Channel				645334	656000	663968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	17.50	17.57	17.49	18.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	17.41	17.54	17.53	18.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	17.55	17.52	17.55	18.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	17.48	17.53	17.46	18.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	17.55	17.48	17.44	18.0	0.0	

Part27Q n77 PC3 Ant6 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1			16.47			
100	PI/2 BPSK	1	137			16.46	18.0	0.0	
100	PI/2 BPSK	1	271			16.42			
100	PI/2 BPSK	135	0			16.37	18.0	0.0	
100	PI/2 BPSK	135	69			16.40			
100	PI/2 BPSK	135	138			16.41			
100	PI/2 BPSK	270	0			16.40	18.0	0.0	
100	QPSK	1	1			16.44			
100	QPSK	1	137			16.48	18.0	0.0	
100	QPSK	1	271			16.40			
100	QPSK	135	0			16.37	18.0	0.0	
100	QPSK	135	69			16.40			
100	QPSK	135	138			16.30	18.0	0.0	
100	QPSK	270	0			16.42			
100	16QAM	1	1			16.39	18.0	0.0	
100	64QAM	1	1			16.44	18.0	0.0	
100	256QAM	1	1			16.37	18.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	16.38	16.46	16.39	18.0	0.0	
Channel				632968	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	16.33	16.37	16.29	18.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	16.33	16.36	16.26	18.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	16.34	16.39	16.36	18.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	16.29	16.40	16.25	18.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	16.25	16.40	16.25	18.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	16.23	16.40	16.25	18.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	16.30	16.36	16.29	18.0	0.0	



### Part270 n78 PC3 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				650000				
100	PI/2 BPSK	1	1	17.52				
100	PI/2 BPSK	1	137	17.48			18.0	0.0
100	PI/2 BPSK	1	271	17.42				
100	PI/2 BPSK	135	0	17.46			18.0	0.0
100	PI/2 BPSK	135	69	17.46			18.0	0.0
100	PI/2 BPSK	135	138	17.43				
100	PI/2 BPSK	270	0	17.50			18.0	0.0
100	QPSK	1	1	17.41				
100	QPSK	1	137	17.55			18.0	0.0
100	QPSK	1	271	17.48				
100	QPSK	135	0	17.38			18.0	0.0
100	QPSK	135	69	17.45			18.0	0.0
100	QPSK	135	138	17.44				
100	QPSK	270	0	17.42			18.0	0.0
100	16QAM	0	1	17.44			18.0	0.0
100	64QAM	1	1	17.50			18.0	0.0
100	256QAM	1	1	17.48			18.0	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	17.50	17.46	17.46	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	17.37	17.29	17.37	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	17.38	17.33	17.30	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	17.45	17.30	17.37	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	17.39	17.42	17.35	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	17.43	17.42	17.34	18.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.61		
15	QPSK	1	19	17.45	17.37	17.41	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	17.41	17.40	17.29	18.0	0.0

### Part27Q 78 PC3 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				633334				
100	PI/2 BPSK	1	1	16.40				
100	PI/2 BPSK	1	137	16.31			18.0	0.0
100	PI/2 BPSK	1	271	16.35				
100	PI/2 BPSK	135	0	16.41			18.0	0.0
100	PI/2 BPSK	135	69	16.30			18.0	0.0
100	PI/2 BPSK	135	138	16.38				
100	PI/2 BPSK	270	0	16.28			18.0	0.0
100	QPSK	1	1	16.36				
100	QPSK	1	137	16.42			18.0	0.0
100	QPSK	1	271	16.36				
100	QPSK	135	0	16.37			18.0	0.0
100	QPSK	135	69	16.41			18.0	0.0
100	QPSK	135	138	16.39				
100	QPSK	270	0	16.30			18.0	0.0
100	16QAM	1	1	16.38			18.0	0.0
100	64QAM	1	1	16.40			18.0	0.0
100	256QAM	1	1	16.38			18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	16.32	16.33	16.39	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	16.23	16.17	16.31	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	16.20	16.24	16.24	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	16.25	16.23	16.27	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	16.24	16.29	16.31	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	16.17	16.21	16.22	18.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	16.24	16.24	16.34	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	16.27	16.20	16.23	18.0	0.0



Reduced power level for 5G NR DSI4

n5 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				166500	167300	167500		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.95	23.16	23.09	24.5	0.0
20	PI/2 BPSK	1	26	22.96	23.09	23.05		
20	PI/2 BPSK	1	49	23.00	23.12	23.17		
20	PI/2 BPSK	25	0	23.01	23.05	23.16	24.5	0.0
20	PI/2 BPSK	25	13	22.84	23.20	23.19	24.5	0.0
20	PI/2 BPSK	25	26	23.00	23.15	23.11	24.5	0.0
20	PI/2 BPSK	50	0	22.90	23.06	23.09	24.5	0.0
20	QPSK	1	1	22.80	23.22	23.08	24.5	0.0
20	QPSK	1	26	22.90	23.12	23.10		
20	QPSK	1	49	22.81	23.16	23.09		
20	QPSK	25	0	22.94	23.10	23.05	24.5	0.0
20	QPSK	25	13	22.95	23.21	23.13	24.5	0.0
20	QPSK	25	26	22.86	23.06	23.10	24.5	0.0
20	QPSK	50	0	22.89	23.16	23.02	24.5	0.0
20	16QAM	1	1	22.80	23.09	23.00	24.5	0.0
20	64QAM	1	1	21.30	21.78	21.68	23.0	1.5
20	256QAM	1	1	19.74	20.26	19.98	21.0	3.5
Channel				166500	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.60	23.16	22.92	24.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.62	23.19	23.01	24.5	0.0

n7 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				500000	507000	510000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.15	18.50	18.27	19.5	0.0
20	PI/2 BPSK	1	26	18.16	18.38	18.22		
20	PI/2 BPSK	1	49	18.20	18.36	18.32		
20	PI/2 BPSK	25	0	18.21	18.53	18.34	19.5	0.0
20	PI/2 BPSK	25	13	18.24	18.35	18.33	19.5	0.0
20	PI/2 BPSK	25	26	18.39	18.51	18.29	19.5	0.0
20	PI/2 BPSK	50	0	18.26	18.54	18.29	19.5	0.0
20	QPSK	1	1	18.39	18.55	18.23	19.5	0.0
20	QPSK	1	26	18.35	18.44	18.41		
20	QPSK	1	49	18.16	18.33	18.34		
20	QPSK	25	0	18.28	18.33	18.28	19.5	0.0
20	QPSK	25	13	18.33	18.51	18.25	19.5	0.0
20	QPSK	25	26	18.31	18.43	18.24	19.5	0.0
20	QPSK	50	0	18.35	18.48	18.25	19.5	0.0
20	16QAM	1	1	18.35	18.46	18.43	19.5	0.0
20	64QAM	1	1	18.22	18.38	18.37	19.5	0.0
20	256QAM	1	1	18.18	18.35	18.43	19.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.37	18.48	18.31	19.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.24	18.44	18.41	19.5	0.0



n38 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516500	518000	522000			
Frequency (MHz)				2550	2595	2610			
20	PI/2 BPSK	1	1	18.41	18.65	18.45			
20	PI/2 BPSK	1	26	18.38	18.56	18.63	20.0	0.0	
20	PI/2 BPSK	1	49	18.39	18.54	18.48			
20	PI/2 BPSK	25	0	18.32	18.51	18.62	20.0	0.0	
20	PI/2 BPSK	25	13	18.47	18.70	18.44	20.0	0.0	
20	PI/2 BPSK	25	26	18.54	18.68	18.50			
20	PI/2 BPSK	50	0	18.50	18.61	18.63	20.0	0.0	
20	QPSK	1	1	18.36	18.72	18.45			
20	QPSK	1	26	18.47	18.68	18.65	20.0	0.0	
20	QPSK	1	49	18.41	18.52	18.44			
20	QPSK	25	0	18.43	18.58	18.58	20.0	0.0	
20	QPSK	25	13	18.34	18.68	18.67	20.0	0.0	
20	QPSK	25	26	18.32	18.70	18.52			
20	QPSK	50	0	18.38	18.66	18.48			
20	16QAM	1	1	18.47	18.68	18.65	20.0	0.0	
20	64QAM	1	1	18.50	18.62	18.48	20.0	0.0	
20	256QAM	1	1	18.42	18.55	18.54	20.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	18.45	18.69	18.51	20.0	0.0	
Channel				515004	518000	522000			
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	18.47	18.57	18.63	20.0	0.0	

n41 PC2&3 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				536202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.77	18.92	18.67			
100	PI/2 BPSK	1	137	18.67	18.79	18.66	19.5	0.0	
100	PI/2 BPSK	1	271	18.74	18.90	18.55			
100	PI/2 BPSK	135	0	18.75	18.84	18.62	19.5	0.0	
100	PI/2 BPSK	135	69	18.69	18.73	18.58	19.5	0.0	
100	PI/2 BPSK	135	138	18.70	18.89	18.58			
100	PI/2 BPSK	270	0	18.78	18.94	18.67	19.5	0.0	
100	QPSK	1	1	18.59	18.85	18.65			
100	QPSK	1	137	18.74	18.65	18.53	19.5	0.0	
100	QPSK	1	271	18.79	18.67	18.57			
100	QPSK	135	0	18.61	18.81	18.57	19.5	0.0	
100	QPSK	135	69	18.77	18.84	18.58	19.5	0.0	
100	QPSK	135	138	18.78	18.75	18.67	19.5	0.0	
100	QPSK	270	0	18.75	18.80	18.67			
100	16QAM	1	1	18.77	18.82	18.65	19.5	0.0	
100	64QAM	1	1	18.72	18.76	18.70	19.5	0.0	
100	256QAM	1	1	18.65	18.92	18.72	19.5	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	18.62	18.67	18.73	19.5	0.0	
Channel				507204	518598	528996			
Frequency (MHz)				2538.02	2592.99	2646.99			
80	QPSK	1	109	18.71	18.93	18.71	19.5	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
80	QPSK	1	81	18.57	18.50	18.61	19.5	0.0	
Channel				504204	518598	532996			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	18.65	18.82	18.72	19.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	18.70	18.73	18.65	19.5	0.0	
Channel				501204	518598	535996			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	18.78	18.86	18.67	19.5	0.0	
Channel				500700	518598	536498			
Frequency (MHz)				2503.05	2592.99	2682.98			
15	QPSK	1	19	18.75	18.85	18.65	19.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	18.76	18.75	18.53	19.5	0.0	



n7 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				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	Pi/2 BPSK	1	1	18.69	18.81	18.77		
20	Pi/2 BPSK	1	26	18.60	18.83	18.76	20.5	0.0
20	Pi/2 BPSK	1	49	18.55	18.64	18.72		
20	Pi/2 BPSK	25	0	18.55	18.84	18.53	20.5	0.0
20	Pi/2 BPSK	25	13	18.70	18.82	18.76	20.5	0.0
20	Pi/2 BPSK	25	26	18.51	18.70	18.62	20.5	0.0
20	Pi/2 BPSK	50	0	18.76	18.67	18.64		
20	QPSK	1	1	18.64	18.85	18.80		
20	QPSK	1	26	18.61	18.73	18.71	20.5	0.0
20	QPSK	1	49	18.70	18.79	18.68		
20	QPSK	25	0	18.61	18.89	18.59	20.5	0.0
20	QPSK	25	13	18.62	18.71	18.55	20.5	0.0
20	QPSK	25	26	18.66	18.64	18.57	20.5	0.0
20	QPSK	50	0	18.64	18.35	18.82		
20	16QAM	1	1	18.51	18.85	18.66	20.5	0.0
20	64QAM	1	1	18.77	18.81	18.60	20.5	0.0
20	256QAM	1	1	18.66	18.81	18.74	20.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.52	18.67	18.75	20.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.56	18.70	18.63	20.5	0.0



n38 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				516500	518000	522000			
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	15.62	15.81	15.74			
20	PI/2 BPSK	1	26	15.55	15.80	15.66	17.5	0.0	
20	PI/2 BPSK	1	49	15.55	15.73	15.67			
20	PI/2 BPSK	25	0	15.62	15.68	15.64	17.5	0.0	
20	PI/2 BPSK	25	13	15.52	15.72	15.70	17.5	0.0	
20	PI/2 BPSK	25	26	15.63	15.80	15.81			
20	PI/2 BPSK	50	0	15.68	15.80	15.69	17.5	0.0	
20	QPSK	1	1	15.52	15.89	15.72			
20	QPSK	1	26	15.64	15.73	15.76	17.5	0.0	
20	QPSK	1	49	15.51	15.80	15.72			
20	QPSK	25	0	15.54	15.81	15.80	17.5	0.0	
20	QPSK	25	13	15.63	15.87	15.69	17.5	0.0	
20	QPSK	25	26	15.70	15.80	15.67			
20	QPSK	50	0	15.54	15.83	15.64	17.5	0.0	
20	16QAM	1	1	15.54	15.89	15.67	17.5	0.0	
20	64QAM	1	1	15.62	15.84	15.59	17.5	0.0	
20	256QAM	1	1	15.56	15.70	15.60	17.5	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	15.53	15.78	15.78	17.5	0.0	
Channel				515004	518000	522396			
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	15.73	15.77	15.72	17.5	0.0	

n41 PC2&33 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				506200	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.25	17.41	17.14			
100	PI/2 BPSK	1	137	17.21	17.34	17.17	18.5	0.0	
100	PI/2 BPSK	1	271	17.30	17.35	17.22			
100	PI/2 BPSK	135	0	17.25	17.41	17.08	18.5	0.0	
100	PI/2 BPSK	135	69	17.32	17.39	17.24	18.5	0.0	
100	PI/2 BPSK	135	138	17.15	17.44	17.16			
100	PI/2 BPSK	270	0	17.34	17.43	17.14	18.5	0.0	
100	QPSK	1	1	17.34	17.34	17.15			
100	QPSK	1	137	17.12	17.46	17.18	18.5	0.0	
100	QPSK	1	271	17.31	17.41	17.19			
100	QPSK	135	0	17.33	17.30	17.13	18.5	0.0	
100	QPSK	135	69	17.16	17.38	17.18	18.5	0.0	
100	QPSK	135	138	17.32	17.27	17.12	18.5	0.0	
100	QPSK	270	0	17.30	17.32	17.18			
100	16QAM	1	1	17.29	17.32	17.31	18.5	0.0	
100	64QAM	1	1	17.22	17.30	17.28	18.5	0.0	
100	256QAM	1	1	17.22	17.27	17.10	18.5	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	17.28	17.29	17.29	18.5	0.0	
Channel				507204	518598	528996			
Frequency (MHz)				2538.02	2592.99	2646.99			
80	QPSK	1	109	17.16	17.28	17.09	18.5	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
80	QPSK	1	81	17.19	17.27	17.21	18.5	0.0	
Channel				504204	518598	532996			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	17.15	17.43	17.31	18.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2515.01	2592.99	2670			
40	QPSK	1	53	17.22	17.40	17.16	18.5	0.0	
Channel				501204	518598	535996			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	17.30	17.31	17.20	18.5	0.0	
Channel				500700	518598	536498			
Frequency (MHz)				2503.05	2592.99	2682.99			
15	QPSK	1	19	17.18	17.30	17.08	18.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	22.49	22.67	22.47	18.5	0.0	



Par270 n77 PC2&3 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				656000	666000	662000			
Frequency (MHz)				3750	3550	3950			
100	PI/2 BPSK	1	1	17.60	17.73	17.66			
100	PI/2 BPSK	1	137	17.59	17.71	17.69	19.0	0.0	
100	PI/2 BPSK	1	271	17.60	17.69	17.75			
100	PI/2 BPSK	135	0	17.69	17.73	17.75	19.0	0.0	
100	PI/2 BPSK	135	69	17.50	17.65	17.63	19.0	0.0	
100	PI/2 BPSK	135	138	17.55	17.77	17.62			
100	PI/2 BPSK	270	0	17.56	17.73	17.68	19.0	0.0	
100	QPSK	1	1	17.49	17.69	17.63			
100	QPSK	1	137	17.50	17.61	17.78	19.0	0.0	
100	QPSK	1	271	17.61	17.72	17.76			
100	QPSK	135	0	17.54	17.65	17.71	19.0	0.0	
100	QPSK	135	69	17.61	17.77	17.57	19.0	0.0	
100	QPSK	135	138	17.63	17.68	17.61	19.0	0.0	
100	QPSK	270	0	17.57	17.64	17.52			
100	16QAM	1	1	17.62	17.71	17.67	19.0	0.0	
100	64QAM	1	1	17.50	17.77	17.59	19.0	0.0	
100	256QAM	1	1	17.63	17.64	17.57	19.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	17.61	17.60	17.63	19.0	0.0	
Channel				646334	656000	662968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	17.64	17.63	17.73	19.0	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	17.58	17.75	17.57	19.0	0.0	
Channel				646334	656000	663968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	17.69	17.70	17.60	19.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3950			
40	QPSK	1	53	17.65	17.80	17.76	19.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	17.53	17.73	17.65	19.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	17.68	17.60	17.62	19.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	17.69	17.66	17.55	19.0	0.0	

Part27Q n77 PC2&3 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				633000	633334	633668			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	17.55					
100	PI/2 BPSK	1	137	17.46			19.0	0.0	
100	PI/2 BPSK	1	271	17.46					
100	PI/2 BPSK	135	0	17.46			19.0	0.0	
100	PI/2 BPSK	135	69	17.45			19.0	0.0	
100	PI/2 BPSK	135	138	17.61					
100	PI/2 BPSK	270	0	17.63			19.0	0.0	
100	QPSK	1	1	17.49					
100	QPSK	1	137	17.65			19.0	0.0	
100	QPSK	1	271	17.54					
100	QPSK	135	0	17.45			19.0	0.0	
100	QPSK	135	69	17.46			19.0	0.0	
100	QPSK	135	138	17.45			19.0	0.0	
100	QPSK	270	0	17.55					
100	16QAM	1	1	17.63			19.0	0.0	
100	64QAM	1	1	17.53			19.0	0.0	
100	256QAM	1	1	17.52			19.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	17.41	17.51	17.41	19.0	0.0	
Channel				632968	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	17.38	17.51	17.37	19.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	17.49	17.43	17.32	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	17.48	17.37	17.49	19.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	17.53	17.39	17.46	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	17.43	17.49	17.32	19.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	17.35	17.48	17.44	19.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	17.40	17.29	17.53	19.0	0.0	



### Part270 n78 PC2&3 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								
Frequency (MHz)				650000				
100	PI/2 BPSK	1	1	17.71				
100	PI/2 BPSK	1	137	17.83			19.0	0.0
100	PI/2 BPSK	1	271	17.75				
100	PI/2 BPSK	135	0	17.56			19.0	0.0
100	PI/2 BPSK	135	69	17.51			19.0	0.0
100	PI/2 BPSK	135	138	17.56				
100	PI/2 BPSK	270	0	17.62			19.0	0.0
100	QPSK	1	1	17.80				
100	QPSK	1	137	17.76			19.0	0.0
100	QPSK	1	271	17.53			18.0	1.0
100	QPSK	135	0	17.56			19.0	0.0
100	QPSK	135	69	17.69			19.0	0.0
100	QPSK	135	138	17.68			18.0	1.0
100	QPSK	270	0	17.61			19.0	0.0
100	16QAM	1	1	17.56			19.0	0.0
100	64QAM	1	1	17.53			19.0	0.0
100	256QAM	1	1	17.58			19.0	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	17.63	17.72	17.75	19.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	17.45	17.68	17.70	19.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	17.52	17.53	17.60	19.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	17.58	17.62	17.70	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	17.55	17.63	17.59	19.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	17.46	17.55	17.59	19.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.52	3750	3792.51		
15	QPSK	1	19	17.52	17.60	17.63	19.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	17.49	17.57	17.60	19.0	0.0

### Part270 78 PC2&3 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								
Frequency (MHz)				633334				
100	PI/2 BPSK	1	1	17.45				
100	PI/2 BPSK	1	137	17.45			19.0	0.0
100	PI/2 BPSK	1	271	17.51				
100	PI/2 BPSK	135	0	17.50			19.0	0.0
100	PI/2 BPSK	135	69	17.48			19.0	0.0
100	PI/2 BPSK	135	138	17.52				
100	PI/2 BPSK	270	0	17.59			19.0	0.0
100	QPSK	1	1	17.57				
100	QPSK	1	137	17.67			19.0	0.0
100	QPSK	1	271	17.50			18.0	1.0
100	QPSK	135	0	17.51			19.0	0.0
100	QPSK	135	69	17.52			19.0	0.0
100	QPSK	135	138	17.51			18.0	1.0
100	QPSK	270	0	17.46			19.0	0.0
100	16QAM	1	1	17.44			19.0	0.0
100	64QAM	1	1	17.56			19.0	0.0
100	256QAM	1	1	17.49			19.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	17.64	17.50	17.52	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	17.57	17.49	17.45	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	17.44	17.24	17.48	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	17.57	17.41	17.40	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	17.56	17.42	17.30	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	17.43	17.30	17.35	19.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3459.5	3500.01	3542.52		
15	QPSK	1	19	17.60	17.52	17.30	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	17.47	17.44	17.54	19.0	0.0





Par270 n77 PC2&3 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			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.80	18.79	19.16			
100	PI/2 BPSK	1	137	18.76	19.12	18.80	19.5	0.0	
100	PI/2 BPSK	1	271	18.90	19.12	18.86			
100	PI/2 BPSK	135	0	19.01	19.05	18.88	19.5	0.0	
100	PI/2 BPSK	135	69	18.85	18.82	18.59	19.5	0.0	
100	PI/2 BPSK	135	138	18.94	18.84	19.12			
100	PI/2 BPSK	270	0	18.80	18.92	19.11	19.5	0.0	
100	QPSK	1	1	18.76	18.95	18.91			
100	QPSK	1	137	18.72	19.19	19.05	19.5	0.0	
100	QPSK	1	271	19.05	18.94	19.15			
100	QPSK	135	0	18.96	18.89	18.79	19.5	0.0	
100	QPSK	135	69	18.79	18.91	18.83	19.5	0.0	
100	QPSK	135	138	18.82	18.86	18.90			
100	QPSK	270	0	18.75	18.84	18.83	19.5	0.0	
100	16QAM	1	1	18.82	18.96	19.06	19.5	0.0	
100	64QAM	1	1	18.82	19.02	18.80	19.5	0.0	
100	256QAM	1	1	18.89	19.07	18.96	19.5	0.0	
Channel				649688	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	18.78	18.95	19.08	19.5	0.0	
Channel				649334	656000	662080	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	18.92	18.88	18.90	19.5	0.0	
Channel				648688	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	18.85	18.88	19.10	19.5	0.0	
Channel				647334	656000	663500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	18.83	18.90	18.95	19.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	18.83	18.91	19.05	19.5	0.0	
Channel				647334	656000	664688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	18.92	18.91	18.96	19.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	18.99	18.90	18.93	19.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	18.98	18.89	18.97	19.5	0.0	

Part27Q n77 PC2&3 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	633334	633334			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1			18.79			
100	PI/2 BPSK	1	137			18.82	19.5	0.0	
100	PI/2 BPSK	1	271			18.76			
100	PI/2 BPSK	135	0			18.64	19.5	0.0	
100	PI/2 BPSK	135	69			18.82	19.5	0.0	
100	PI/2 BPSK	135	138			18.70			
100	PI/2 BPSK	270	0			18.80	19.5	0.0	
100	QPSK	1	1			18.65			
100	QPSK	1	137			18.63	19.5	0.0	
100	QPSK	1	271			18.70			
100	QPSK	135	0			18.74	19.5	0.0	
100	QPSK	135	69			18.78	19.5	0.0	
100	QPSK	135	138			18.72	19.5	0.0	
100	QPSK	270	0			18.71	19.5	0.0	
100	16QAM	1	1			18.65	19.5	0.0	
100	64QAM	1	1			18.71	19.5	0.0	
100	256QAM	1	1			18.75	19.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	18.64	18.64	18.72	19.5	0.0	
Channel				632998	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	18.41	18.60	18.66	19.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	18.62	18.41	18.57	19.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	18.42	18.48	18.68	19.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	18.62	18.48	18.65	19.5	0.0	
Channel				630998	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	18.43	18.44	18.55	19.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500.01	3542.52			
15	QPSK	1	19	18.65	18.65	18.65	19.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	18.66	18.46	18.59	19.5	0.0	



Part270 n78 PC2&3 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1	19.01	19.01	18.83			
100	Pi/2 BPSK	1	137		19.00		19.5	0.0	
100	Pi/2 BPSK	1	271		18.94				
100	Pi/2 BPSK	135	0		18.91		19.5	0.0	
100	Pi/2 BPSK	135	69		18.86		19.5	0.0	
100	Pi/2 BPSK	135	138		18.88				
100	Pi/2 BPSK	270	0		18.90		19.5	0.0	
100	QPSK	1	1		18.86				
100	QPSK	1	137		19.05		19.5	0.0	
100	QPSK	1	271		18.83				
100	QPSK	135	0		19.00		19.5	0.0	
100	QPSK	135	69		19.01		19.5	0.0	
100	QPSK	135	138		18.90		19.5	0.0	
100	QPSK	270	0		18.92				
100	16QAM	1	1		18.84		19.5	0.0	
100	64QAM	1	1		18.92		19.5	0.0	
100	256QAM	1	1		18.90		19.5	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	19.00	18.84	18.86	19.5	0.0	
Channel				649334	650000	650568	Tune-up limit	MPR	
Frequency (MHz)				3749.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	18.95	18.89	18.94	19.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	18.90	18.64	18.86	19.5	0.0	
Channel				648334	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	18.84	18.88	19.00	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	53	18.85	18.97	18.90	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	18.61	18.87	18.91	19.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	18.84	19.03	18.97	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	18.88	18.82	18.87	19.5	0.0	

Part27Q 78 PC2&3 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					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		18.63				
100	Pi/2 BPSK	1	137		18.80		19.5	0.0	
100	Pi/2 BPSK	1	271		18.71				
100	Pi/2 BPSK	135	0		18.62		19.5	0.0	
100	Pi/2 BPSK	135	69		18.70		19.5	0.0	
100	Pi/2 BPSK	135	138		18.85				
100	Pi/2 BPSK	270	0		18.80		19.5	0.0	
100	QPSK	1	1		18.64				
100	QPSK	1	137		18.86		19.5	0.0	
100	QPSK	1	271		18.64				
100	QPSK	135	0		18.72		19.5	0.0	
100	QPSK	135	69		18.73		19.5	0.0	
100	QPSK	135	138		18.71		19.5	0.0	
100	QPSK	270	0		18.66				
100	16QAM	1	1		18.73		19.5	0.0	
100	64QAM	1	1		18.62		19.5	0.0	
100	256QAM	1	1		18.84		19.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123	18.79	18.84	18.72	19.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	18.67	18.80	18.85	19.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	18.67	18.70	18.60	19.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	18.67	18.82	18.85	19.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53	18.79	18.73	18.50	19.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	18.75	18.82	18.50	19.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	18.77	18.77	18.72	19.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12	18.66	18.78	18.57	19.5	0.0	



n5 Ant4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				16650	16700	16750		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.94	24.14	24.11	25.5	0.0
20	PI/2 BPSK	1	26	23.95	24.04	23.86		
20	PI/2 BPSK	1	49	23.74	23.96	23.83		
20	PI/2 BPSK	25	0	23.47	23.64	23.50	25.0	0.5
20	PI/2 BPSK	25	13	24.07	24.10	23.94	25.5	0.0
20	PI/2 BPSK	25	26	23.50	23.61	23.42	25.0	0.5
20	PI/2 BPSK	50	0	23.54	23.67	23.64		
20	QPSK	1	1	24.03	24.22	24.20		
20	QPSK	1	26	24.03	24.06	23.92	25.5	0.0
20	QPSK	1	49	23.82	23.96	23.74		
20	QPSK	25	0	22.92	23.13	23.02		
20	QPSK	25	13	23.87	24.08	23.86	25.5	0.0
20	QPSK	25	26	22.81	23.05	22.98	24.5	1.0
20	QPSK	50	0	22.87	23.10	22.91		
20	16QAM	1	1	22.58	22.65	22.52		
20	64QAM	1	1	21.10	21.20	21.02	23.0	2.5
20	256QAM	1	1	19.73	19.75	19.58	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.95	24.11	24.13	25.5	0.0
Channel				16590	16700	16800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.02	24.16	24.09	25.5	0.0

n7 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				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.95	16.96	16.84	17.5	0.0
20	PI/2 BPSK	1	26	16.85	16.89	16.78		
20	PI/2 BPSK	1	49	16.85	16.93	16.90		
20	PI/2 BPSK	25	0	16.96	16.85	16.85	17.5	0.0
20	PI/2 BPSK	25	13	16.85	17.00	16.95	17.5	0.0
20	PI/2 BPSK	25	26	16.92	16.92	16.95		
20	PI/2 BPSK	50	0	16.97	16.82	16.75		
20	QPSK	1	1	17.01	17.08	16.86	17.5	0.0
20	QPSK	1	26	16.80	16.86	16.79		
20	QPSK	1	49	16.79	16.89	16.97		
20	QPSK	25	0	16.86	16.88	16.85	17.5	0.0
20	QPSK	25	13	16.86	16.95	16.82	17.5	0.0
20	QPSK	25	26	16.87	17.03	16.87		
20	QPSK	50	0	16.92	16.88	16.91		
20	16QAM	1	1	16.83	16.87	16.77	17.5	0.0
20	64QAM	1	1	16.93	16.92	16.75	17.5	0.0
20	256QAM	1	1	16.81	16.84	16.84	17.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.78	16.88	16.80	17.5	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.90	17.01	16.88	17.5	0.0



n38 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				516500	518000	522000			
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	14.32	14.56	14.13			
20	PI/2 BPSK	1	26	14.33	14.47	14.30	15.5	0.0	
20	PI/2 BPSK	1	49	14.30	14.43	14.10			
20	PI/2 BPSK	25	0	14.33	14.57	14.19	15.5	0.0	
20	PI/2 BPSK	25	13	14.40	14.51	14.35	15.5	0.0	
20	PI/2 BPSK	25	26	14.35	14.53	14.19			
20	PI/2 BPSK	50	0	14.30	14.56	14.32	15.5	0.0	
20	QPSK	1	1	14.36	14.54	14.12			
20	QPSK	1	26	14.38	14.45	14.25	15.5	0.0	
20	QPSK	1	49	14.45	14.53	14.27			
20	QPSK	25	0	14.28	14.39	14.14	15.5	0.0	
20	QPSK	25	13	14.39	14.53	14.35	15.5	0.0	
20	QPSK	25	26	14.23	14.42	14.10			
20	QPSK	50	0	14.45	14.63	14.14	15.5	0.0	
20	16QAM	1	1	14.30	14.54	14.20	15.5	0.0	
20	64QAM	1	1	14.27	14.53	14.34	15.5	0.0	
20	256QAM	1	1	14.42	14.55	14.26	15.5	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	14.38	14.44	14.32	15.5	0.0	
Channel				515504	518000	522396			
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	14.29	14.50	14.30	15.5	0.0	

n41 PC2&3 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				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	14.63	14.73	14.66			
100	PI/2 BPSK	1	137	14.55	14.81	14.66	16.0	0.0	
100	PI/2 BPSK	1	271	14.51	14.62	14.87			
100	PI/2 BPSK	135	0	14.70	14.91	14.88	16.0	0.0	
100	PI/2 BPSK	135	69	14.48	14.85	14.51	16.0	0.0	
100	PI/2 BPSK	135	138	14.60	14.75	14.91			
100	PI/2 BPSK	270	0	14.67	14.70	14.90	16.0	0.0	
100	QPSK	1	1	14.63	14.81	14.92			
100	QPSK	1	137	14.70	14.94	14.71	16.0	0.0	
100	QPSK	1	271	14.72	14.88	14.81			
100	QPSK	135	0	14.48	14.81	14.70	16.0	0.0	
100	QPSK	135	69	14.66	14.88	14.83	16.0	0.0	
100	QPSK	135	138	14.58	14.74	14.80	16.0	0.0	
100	QPSK	270	0	14.61	14.64	14.73	16.0	0.0	
100	16QAM	1	1	14.88	14.85	14.86	16.0	0.0	
100	64QAM	1	1	14.54	14.87	14.82	16.0	0.0	
100	256QAM	1	1	14.62	14.78	14.67	16.0	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	14.72	14.89	14.77	16.0	0.0	
Channel				507204	518598	528996			
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	14.63	14.85	14.89	16.0	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
80	QPSK	1	81	14.84	14.83	14.82	16.0	0.0	
Channel				504204	518598	532996			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	14.55	14.76	14.72	16.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	14.49	14.89	14.87	16.0	0.0	
Channel				501204	518598	535996			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	14.69	14.80	14.86	16.0	0.0	
Channel				500700	518598	536498			
Frequency (MHz)				2503.05	2592.99	2682.98			
15	QPSK	1	19	14.48	14.89	14.88	16.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	14.60	14.78	14.92	16.0	0.0	



### Par270 n77 PC3 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				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.50	15.52	15.39		
100	PI/2 BPSK	1	137	15.49	15.48	15.38	17.0	0.0
100	PI/2 BPSK	1	271	15.40	15.55	15.30		
100	PI/2 BPSK	135	0	15.49	15.47	15.42	17.0	0.0
100	PI/2 BPSK	135	69	15.41	15.45	15.31	17.0	0.0
100	PI/2 BPSK	135	138	15.39	15.43	15.36		
100	PI/2 BPSK	270	0	15.38	15.54	15.40	17.0	0.0
100	QPSK	1	1	15.45	15.49	15.33		
100	QPSK	1	137	15.55	15.59	15.45	17.0	0.0
100	QPSK	1	271	15.46	15.44	15.40		
100	QPSK	135	0	15.42	15.45	15.36	17.0	0.0
100	QPSK	135	69	15.41	15.53	15.39	17.0	0.0
100	QPSK	135	138	15.51	15.47	15.35		
100	QPSK	270	0	15.49	15.53	15.30	17.0	0.0
100	16QAM	1	1	15.39	15.48	15.42	17.0	0.0
100	64QAM	1	1	15.44	15.49	15.31	17.0	0.0
100	256QAM	1	1	15.46	15.42	15.35	17.0	0.0
Channel				649688	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	15.49	15.53	15.29	17.0	0.0
Channel				649334	650000	650596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	15.48	15.50	15.36	17.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	15.43	15.49	15.35	17.0	0.0
Channel				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	15.50	15.54	15.31	17.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	15.52	15.51	15.34	17.0	0.0
Channel				647334	650000	653596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	15.41	15.44	15.29	17.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	15.52	15.44	15.31	17.0	0.0
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	15.41	15.48	15.29	17.0	0.0

### Part27Q n77 PC3 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				633000	633334	633668		
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	15.46				
100	PI/2 BPSK	1	137	15.37			17.0	0.0
100	PI/2 BPSK	1	271	15.38				
100	PI/2 BPSK	135	0	15.44				
100	PI/2 BPSK	135	69	15.39			17.0	0.0
100	PI/2 BPSK	135	138	15.44				
100	PI/2 BPSK	270	0	15.39			17.0	0.0
100	QPSK	1	1	15.32				
100	QPSK	1	137	15.48			17.0	0.0
100	QPSK	1	271	15.43				
100	QPSK	135	0	15.38				
100	QPSK	135	69	15.40			17.0	0.0
100	QPSK	135	138	15.37				
100	QPSK	270	0	15.36			17.0	0.0
100	16QAM	1	1	15.45			17.0	0.0
100	64QAM	1	1	15.45			17.0	0.0
100	256QAM	1	1	15.44			15.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	15.39	15.26	15.34	17.0	0.0
Channel				632596	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	15.35	15.29	15.40	17.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	15.27	15.24	15.44	17.0	0.0
Channel				631659	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	15.39	15.29	15.44	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.26	15.29	15.34	17.0	0.0
Channel				630968	633334	635960	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	15.37	15.24	15.43	17.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	15.32	15.37	15.41	17.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	15.32	15.37	15.34	17.0	0.0



Part270 n78 PC3 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				650000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1	15.44					
100	Pi/2 BPSK	1	137	15.46			17.0	0.0	
100	Pi/2 BPSK	1	271	15.44					
100	Pi/2 BPSK	135	0	15.42			17.0	0.0	
100	Pi/2 BPSK	135	69	15.44			17.0	0.0	
100	Pi/2 BPSK	135	138	15.44					
100	Pi/2 BPSK	270	0	15.43			17.0	0.0	
100	QPSK	1	1	15.40					
100	QPSK	1	137	15.53				0.0	
100	QPSK	1	271	15.50					
100	QPSK	135	0	15.42			17.0	0.0	
100	QPSK	135	69	15.45			17.0	0.0	
100	QPSK	135	138	15.38					
100	QPSK	270	0	15.40			17.0	0.0	
100	16QAM	0	1	15.49			17.0	0.0	
100	64QAM	1	1	15.39			17.0	0.0	
100	256QAM	1	1	15.42			17.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	15.52	15.49	15.47	17.0	0.0	
Channel				649334	650000	650568	Tune-up limit	MPR	
Frequency (MHz)				3749.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	15.39	15.49	15.48	17.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	15.41	15.48	15.41	17.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	15.48	15.50	15.47	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	53	15.46	15.43	15.49	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	15.50	15.49	15.47	17.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	15.43	15.45	15.42	17.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	15.48	15.44	15.41	17.0	0.0	

Part27Q 78 PC3 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				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1	15.44					
100	Pi/2 BPSK	1	137	15.30			24.0	0.0	
100	Pi/2 BPSK	1	271	15.30					
100	Pi/2 BPSK	135	0	15.29			24.0	0.0	
100	Pi/2 BPSK	135	69	15.32					
100	Pi/2 BPSK	135	138	15.29					
100	Pi/2 BPSK	270	0	15.29			24.0	0.0	
100	QPSK	1	1	15.33					
100	QPSK	1	137	15.38				0.0	
100	QPSK	1	271	15.32			24.0	0.0	
100	QPSK	135	0	15.36					
100	QPSK	135	69	15.35			24.0	0.0	
100	QPSK	135	138	15.29					
100	QPSK	270	0	15.30			24.0	0.0	
100	16QAM	1	1	15.31			24.0	0.0	
100	64QAM	1	1	15.31			24.0	0.0	
100	256QAM	1	1	15.28			22.5	1.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123	15.09	15.16	15.24	24.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	15.22	15.22	15.31	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	15.15	15.19	15.19	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	15.12	15.27	15.28	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53	15.19	15.27	15.21	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	15.19	15.23	15.20	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	15.12	15.24	15.31	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12	15.21	15.23	15.29	24.0	0.0	



### Par27O 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				656000	666000	662000		
Frequency (MHz)				3750	3650	3950		
100	PI/2 BPSK	1	1	17.43	17.53	17.47		
100	PI/2 BPSK	1	137	17.54	17.55	17.56	18.0	0.0
100	PI/2 BPSK	1	271	17.45	17.56	17.53		
100	PI/2 BPSK	135	0	17.47	17.54	17.56	18.0	0.0
100	PI/2 BPSK	135	69	17.43	17.52	17.51	18.0	0.0
100	PI/2 BPSK	135	138	17.45	17.53	17.56		
100	PI/2 BPSK	270	0	17.49	17.54	17.50	18.0	0.0
100	QPSK	1	1	17.45	17.47	17.49		
100	QPSK	1	137	17.49	17.57	17.49	18.0	0.0
100	QPSK	1	271	17.46	17.46	17.44		
100	QPSK	135	0	17.52	17.52	17.50	18.0	0.0
100	QPSK	135	69	17.44	17.54	17.46	18.0	0.0
100	QPSK	135	138	17.46	17.48	17.48	18.0	0.0
100	QPSK	270	0	17.51	17.56	17.44		
100	16QAM	1	1	17.46	17.52	17.56	18.0	0.0
100	64QAM	1	1	17.49	17.52	17.56	18.0	0.0
100	256QAM	1	1	17.50	17.56	17.44	18.0	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	17.46	17.50	17.50	18.0	0.0
Channel				645334	650000	652968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3949.02		
80	QPSK	1	109	17.53	17.59	17.48	18.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	17.50	17.56	17.44	18.0	0.0
Channel				645334	650000	653968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	17.50	17.57	17.49	18.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	17.41	17.54	17.53	18.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	17.55	17.52	17.55	18.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	17.48	17.53	17.46	18.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	17.55	17.48	17.44	18.0	0.0

### Part27Q 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				633000	633334	633500		
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1			16.47		
100	PI/2 BPSK	1	137			16.46	18.0	0.0
100	PI/2 BPSK	1	271			16.42		
100	PI/2 BPSK	135	0			16.37	18.0	0.0
100	PI/2 BPSK	135	69			16.40		
100	PI/2 BPSK	135	138			16.41		
100	PI/2 BPSK	270	0			16.40	18.0	0.0
100	QPSK	1	1			16.44		
100	QPSK	1	137			16.48	18.0	0.0
100	QPSK	1	271			16.40		
100	QPSK	135	0			16.37	18.0	0.0
100	QPSK	135	69			16.40		
100	QPSK	135	138			16.30	18.0	0.0
100	QPSK	270	0			16.42		
100	16QAM	1	1			16.39	18.0	0.0
100	64QAM	1	1			16.44	18.0	0.0
100	256QAM	1	1			16.37	18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	16.38	16.46	16.39	18.0	0.0
Channel				632968	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	16.33	16.37	16.29	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	16.33	16.36	16.25	18.0	0.0
Channel				631668	633334	635500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	16.34	16.39	16.36	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	16.29	16.40	16.25	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	16.25	16.40	16.25	18.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	16.23	16.40	16.25	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	16.30	16.36	16.29	18.0	0.0



### Part270 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								
Frequency (MHz)				650000				
100	PI/2 BPSK	1	1	17.52				
100	PI/2 BPSK	1	137	17.48			18.0	0.0
100	PI/2 BPSK	1	271	17.42				
100	PI/2 BPSK	135	0	17.46			18.0	0.0
100	PI/2 BPSK	135	69	17.46			18.0	0.0
100	PI/2 BPSK	135	138	17.43				
100	PI/2 BPSK	270	0	17.50			18.0	0.0
100	QPSK	1	1	17.41				
100	QPSK	1	137	17.55			18.0	0.0
100	QPSK	1	271	17.48				
100	QPSK	135	0	17.38			18.0	0.0
100	QPSK	135	69	17.45			18.0	0.0
100	QPSK	135	138	17.44				
100	QPSK	270	0	17.42			18.0	0.0
100	16QAM	0	1	17.44			18.0	0.0
100	64QAM	1	1	17.50			18.0	0.0
100	256QAM	1	1	17.48			18.0	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	17.50	17.46	17.46	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	17.37	17.29	17.37	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	17.38	17.33	17.30	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	17.45	17.30	17.37	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	17.39	17.42	17.35	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	17.43	17.42	17.34	18.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.61		
15	QPSK	1	19	17.45	17.37	17.41	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	17.41	17.40	17.29	18.0	0.0

### Part27Q 78 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								
Frequency (MHz)				633334				
100	PI/2 BPSK	1	1	16.40				
100	PI/2 BPSK	1	137	16.31			18.0	0.0
100	PI/2 BPSK	1	271	16.35				
100	PI/2 BPSK	135	0	16.41			18.0	0.0
100	PI/2 BPSK	135	69	16.30			18.0	0.0
100	PI/2 BPSK	135	138	16.38				
100	PI/2 BPSK	270	0	16.28			18.0	0.0
100	QPSK	1	1	16.36				
100	QPSK	1	137	16.42			18.0	0.0
100	QPSK	1	271	16.36				
100	QPSK	135	0	16.37			18.0	0.0
100	QPSK	135	69	16.41			18.0	0.0
100	QPSK	135	138	16.39				
100	QPSK	270	0	16.30			18.0	0.0
100	16QAM	1	1	16.38			18.0	0.0
100	64QAM	1	1	16.40			18.0	0.0
100	256QAM	1	1	16.38			18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	16.32	16.33	16.39	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	16.23	16.17	16.31	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	16.20	16.24	16.24	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	16.25	16.23	16.27	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	16.24	16.29	16.31	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	16.17	16.21	16.22	18.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	16.24	16.24	16.34	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	16.27	16.20	16.23	18.0	0.0





**WLAN/Bluetooth Power**

2.4GHz WLAN				full power/receiver off		receiver on		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11b 1Mbps	1	2412	19.80	20.50	12.52	14.00	100.00	
	6	2437	19.22	21.00				
	11	2462	19.01	21.00				
802.11g 6Mbps	1	2412	17.74	19.50	14.00	14.00	97.46	
	6	2437	18.12	19.50				
	11	2462	17.97	19.50				
802.11n-HT20 MCS0	1	2412	16.62	18.50	14.00	14.00	97.30	
	6	2437	17.16	18.50				
	11	2462	16.90	18.50				

5.2GHz WLAN				full power/receiver off		receiver on		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	36	5180	15.69	17.50	17.00	17.00	97.46	
	40	5200	15.91	17.50				
	44	5220	15.79	17.50				
	48	5240	15.81	17.50				
802.11n-HT20 MCS0	36	5180	15.81	17.50	17.00	17.00	97.28	
	40	5200	15.73	17.50				
	44	5220	15.84	17.50				
802.11n-HT40 MCS0	48	5240	15.72	17.50	17.00	17.00	94.70	
	38	5190	15.82	17.50				
802.11ac-VHT20 MCS0	46	5230	15.74	17.50	17.00	17.00	97.30	
	36	5180	15.89	17.50				
	40	5200	15.81	17.50				
802.11ac-VHT40 MCS0	44	5220	15.74	17.50	17.00	17.00	94.97	
	48	5240	15.64	17.50				
802.11ac-VHT80 MCS0	38	5190	15.84	17.50	17.00	17.00	90.69	
	46	5230	15.76	17.50				
802.11ac-VHT80 MCS0	42	5210	16.08	17.50	15.62	17.00		

5.3GHz WLAN				full power/receiver off		receiver on		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	52	5260	16.76	18.50	17.00	17.00	97.46	
	56	5280	16.71	18.50				
	60	5300	17.05	19.00				
	64	5320	16.99	18.50				
802.11n-HT20 MCS0	52	5260	16.12	17.50	17.00	17.00	97.28	
	56	5280	16.03	17.50				
	60	5300	16.03	17.50				
802.11n-HT40 MCS0	64	5320	15.91	17.50	17.00	17.00	94.70	
	54	5270	16.11	17.50				
802.11ac-VHT20 MCS0	62	5310	15.94	17.50	17.00	17.00	97.30	
	52	5260	16.17	17.50				
	56	5280	16.04	17.50				
	64	5320	15.90	17.50				
802.11ac-VHT40 MCS0	54	5270	16.06	17.50	17.00	17.00	94.97	
	62	5310	15.94	17.50				
802.11ac-VHT80 MCS0	58	5290	15.84	17.50	15.43	17.00	90.69	

5.5GHz WLAN				full power/receiver off		receiver on		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	100	5500	17.00	19.00	15.50	15.50	97.46	
	116	5580	17.20	19.00				
	124	5620	16.92	18.50				
	132	5660	17.15	18.50				
	140	5700	16.81	18.50				
	144	5720	16.80	18.50				
802.11n-HT20 MCS0	100	5500	15.83	17.50	15.50	15.50	97.28	
	116	5580	15.95	17.50				
	124	5620	15.83	17.50				
	132	5660	16.10	17.50				
	140	5700	16.17	17.50				
	144	5720	16.17	17.50				
802.11n-HT40 MCS0	102	5510	16.17	17.50	15.50	15.50	94.70	
	110	5550	16.14	17.50				
	126	5630	15.86	17.50				
	134	5670	16.00	17.50				
802.11ac-VHT20 MCS0	142	5710	16.20	17.50	15.50	15.50	97.30	
	100	5500	15.84	17.50				
	116	5580	16.04	17.50				
	124	5620	15.80	17.50				
	132	5660	16.02	17.50				
	140	5700	16.15	17.50				
802.11ac-VHT40 MCS0	144	5720	16.20	17.50	15.50	15.50	94.97	
	102	5510	16.17	17.50				
	110	5550	16.19	17.50				
	126	5630	15.87	17.50				
802.11ac-VHT80 MCS0	134	5670	16.07	17.50	15.50	15.50	90.69	
	142	5710	16.22	17.50				
	106	5530	16.02	17.50				
	122	5610	15.98	17.50				
802.11ac-VHT80 MCS0	138	5690	15.89	17.50	13.23	14.50		
					14.12	15.50		

5.8GHz WLAN				full power/receiver off		receiver on		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	149	5745	14.86	16.50	16.00	16.00	97.46	
	157	5785	15.10	16.50				
	165	5825	15.18	16.50				
802.11n-HT20 MCS0	149	5745	14.78	16.50	16.00	16.00	97.28	
	157	5785	14.94	16.50				
	165	5825	15.07	16.50				
802.11n-HT40 MCS0	151	5755	14.95	16.50	16.00	16.00	94.70	
	159	5795	15.01	16.50				
802.11ac-VHT20 MCS0	149	5745	14.85	16.50	16.00	16.00	97.30	
	157	5785	14.97	16.50				
	165	5825	15.13	16.50				
802.11ac-VHT40 MCS0	151	5755	15.00	16.50	16.00	16.00	94.97	
	159	5795	15.06	16.50				
802.11ac-VHT80 MCS0	155	5775	14.73	16.50	14.37	16.00	90.69	

**BT 2.0**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.76	8.72	8.32
	CH 39	2441	10.83	7.90	7.53
	CH 78	2480	10.65	7.98	7.92
Tune-up Limit			12	9	9

**BLE\_1M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-3.20
	CH 19	2440	-2.22
	CH 39	2480	-2.29
Tune-up Limit			-1

**BLE\_2M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-2.86
	CH 19	2440	-2.06
	CH 39	2480	-2.22
Tune-up Limit			-1.00