

n5 Ant1 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	21.17	21.11	21.17	21.7	0.0
20	1/2 BPSK	1	53	21.22	21.22	21.08		
20	1/2 BPSK	1	104	21.17	21.17	21.23		
20	1/2 BPSK	50	0	21.16	21.17	21.08	21.7	0.0
20	1/2 BPSK	50	28	21.18	21.14	21.16	21.7	0.0
20	1/2 BPSK	50	56	21.08	21.17	21.08	21.7	0.0
20	1/2 BPSK	100	0	21.14	21.15	21.10	21.7	0.0
20	QPSK	1	1	21.21	21.26	21.15	21.7	0.0
20	QPSK	1	53	21.04	21.16	21.10		
20	QPSK	1	104	21.05	21.19	21.16		
20	QPSK	50	0	21.17	21.22	21.15	21.7	0.0
20	QPSK	50	28	21.15	21.23	21.09	21.7	0.0
20	QPSK	50	56	21.16	21.14	21.17	21.7	0.0
20	QPSK	100	0	21.10	21.21	21.13	21.7	0.0
20	16QAM	1	1	21.09	21.15	21.16	21.7	0.0
20	64QAM	1	1	21.22	21.06	21.16	21.7	0.0
20	256QAM	1	1	20.34	20.43	20.41	21.2	0.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit (dB)	(dB)
15	QPSK	1	1	21.17	21.16	21.10	21.7	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				820	836.5	844	limit (dB)	(dB)
10	QPSK	1	1	21.10	21.25	21.10	21.7	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit (dB)	(dB)
5	QPSK	1	1	21.12	21.15	21.05	21.7	0.0

n7 Ant1 Other PA DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	21.28	21.09	21.24	21.7	0.0
40	1/2 BPSK	1	108	21.26	21.23	21.20		
40	1/2 BPSK	1	214	21.21	21.15	21.25		
40	1/2 BPSK	108	0	21.21	21.24	21.15	21.7	0.0
40	1/2 BPSK	108	54	21.23	21.20	21.25	21.7	0.0
40	1/2 BPSK	108	108	21.17	21.27	21.16	21.7	0.0
40	1/2 BPSK	216	0	21.21	21.22	21.15	21.7	0.0
40	QPSK	1	1	21.20	21.33	21.23	21.7	0.0
40	QPSK	1	108	21.13	21.18	21.09		
40	QPSK	1	214	21.10	21.22	21.21		
40	QPSK	108	0	21.23	21.22	21.14	21.7	0.0
40	QPSK	108	54	21.25	21.30	21.25	21.7	0.0
40	QPSK	108	108	21.24	21.21	21.20	21.7	0.0
40	QPSK	216	0	21.18	21.24	21.11	21.7	0.0
40	16QAM	1	1	21.09	21.20	21.24	21.7	0.0
40	64QAM	1	1	21.16	21.18	21.20	21.7	0.0
40	256QAM	1	1	20.68	20.76	20.67	21.2	0.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)	(dB)
35	QPSK	1	1	21.18	21.22	21.21	21.7	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit (dB)	(dB)
30	QPSK	1	1	21.11	21.27	21.17	21.7	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	(dB)
25	QPSK	1	1	21.17	21.27	21.14	21.7	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit (dB)	(dB)
20	QPSK	1	1	21.12	21.31	21.21	21.7	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	(dB)
15	QPSK	1	1	21.16	21.32	21.20	21.7	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2500	2535	2565	limit (dB)	(dB)
10	QPSK	1	1	21.17	21.30	21.17	21.7	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2492.5	2535	2567.5	limit (dB)	(dB)
5	QPSK	1	1	21.15	21.28	21.14	21.7	0.0

n12 Ant1 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	22.07	21.88	22.02	22.7	0.0
15	1/2 BPSK	1	40	22.07	22.03	21.96		
15	1/2 BPSK	1	77	21.98	21.98	22.01		
15	1/2 BPSK	36	0	22.00	22.05	22.01	22.7	0.0
15	1/2 BPSK	36	22	21.97	22.03	22.06	22.7	0.0
15	1/2 BPSK	36	43	21.97	22.05	21.93	22.7	0.0
15	1/2 BPSK	75	0	21.97	22.00	21.94	22.7	0.0
15	QPSK	1	1	22.01	22.08	22.02	22.7	0.0
15	QPSK	1	40	21.84	21.97	21.93		
15	QPSK	1	77	21.89	22.01	22.06		
15	QPSK	36	0	22.01	22.05	21.92	22.7	0.0
15	QPSK	36	22	22.03	22.07	22.02	22.7	0.0
15	QPSK	36	43	21.99	22.03	21.99	22.7	0.0
15	QPSK	75	0	22.00	22.03	21.93	22.7	0.0
15	16QAM	1	1	21.93	21.99	22.00	22.7	0.0
15	64QAM	1	1	22.06	21.98	21.98	22.7	0.0
15	256QAM	1	1	20.36	20.37	20.35	21.2	1.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit (dB)	(dB)
10	QPSK	1	1	22.00	21.98	21.99	22.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit (dB)	(dB)
5	QPSK	1	1	21.97	22.01	21.97	22.7	0.0

n26 Ant1 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 164800	Power Middle Ch. / Freq. 166300	Power High Ch. / Freq. 167600	Tune-up limit (dBm)	MPR (dB)
Channel				824	831.5	839	21.7	0.0
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	21.21	21.20	21.18		
20	1/2 BPSK	1	53	21.28	21.30	21.11		
20	1/2 BPSK	1	104	21.28	21.26	21.31	21.7	0.0
20	1/2 BPSK	50	0	21.24	21.23	21.15		
20	1/2 BPSK	50	28	21.26	21.19	21.28		
20	1/2 BPSK	50	58	21.10	21.27	21.13		
20	1/2 BPSK	100	0	21.16	21.20	21.14	21.7	0.0
20	QPSK	1	1	21.30	21.37	21.17	21.7	0.0
20	QPSK	1	53	21.08	21.27	21.19		
20	QPSK	1	104	21.10	21.27	21.23		
20	QPSK	50	0	21.23	21.30	21.19		
20	QPSK	50	28	21.17	21.33	21.13	21.7	0.0
20	QPSK	50	58	21.23	21.17	21.18	21.7	0.0
20	QPSK	100	0	21.20	21.27	21.22	21.7	0.0
20	16QAM	1	1	21.15	21.18	21.19	21.7	0.0
20	16QAM	1	1	21.26	21.14	21.24	21.7	0.0
20	256QAM	1	1	20.38	20.54	20.44	21.7	0.0
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				821.5	831.5	841.5	limit (dB)	(dB)
15	QPSK	1	1	21.27	21.34	21.10	21.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				810	831.5	844	limit (dB)	(dB)
10	QPSK	1	1	21.10	21.23	21.07	21.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	limit (dB)	(dB)
5	QPSK	1	1	21.27	21.32	21.15	21.7	0.0

n66 Ant1 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760	19.0	0.0
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	17.61	17.58	17.57		
40	1/2 BPSK	1	108	17.59	17.59	17.52		
40	1/2 BPSK	1	214	17.62	17.56	17.62	19.0	0.0
40	1/2 BPSK	108	0	17.63	17.63	17.60		
40	1/2 BPSK	108	54	17.64	17.61	17.69		
40	1/2 BPSK	108	108	17.59	17.61	17.55		
40	1/2 BPSK	216	0	17.64	17.54	17.55	19.0	0.0
40	QPSK	1	1	17.59	17.72	17.63	19.0	0.0
40	QPSK	1	108	17.49	17.57	17.56		
40	QPSK	1	214	17.54	17.65	17.66		
40	QPSK	108	0	17.64	17.66	17.56		
40	QPSK	108	54	17.61	17.71	17.67	19.0	0.0
40	QPSK	108	108	17.66	17.60	17.67	19.0	0.0
40	QPSK	216	0	17.53	17.63	17.53	19.0	0.0
40	16QAM	1	1	17.58	17.56	17.59	19.0	0.0
40	16QAM	1	1	17.65	17.55	17.61	19.0	0.0
40	256QAM	1	1	17.36	17.42	17.35	19.0	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	(dB)
35	QPSK	1	1	17.60	17.63	17.53	19.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	(dB)
30	QPSK	1	1	17.50	17.69	17.62	19.0	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	(dB)
25	QPSK	1	1	17.53	17.61	17.50	19.0	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	(dB)
20	QPSK	1	1	17.45	17.64	17.50	19.0	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	(dB)
15	QPSK	1	1	17.61	17.67	17.53	19.0	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	(dB)
10	QPSK	1	1	17.55	17.71	17.50	19.0	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	(dB)
5	QPSK	1	1	17.62	17.62	17.53	19.0	0.0



n38 Ant1 Other PA DSI 1									
BW [MHz]	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)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	20.82	20.81	20.78	21.2	0.0	
40	1/2 BPSK	1	53	20.87	20.84	20.73			
40	1/2 BPSK	1	104	20.80	20.77	20.78			
40	1/2 BPSK	50	0	20.81	20.85	20.77	21.2	0.0	
40	1/2 BPSK	50	28	20.83	20.88	20.86	21.2	0.0	
40	1/2 BPSK	50	56	20.82	20.80	20.77	21.2	0.0	
40	1/2 BPSK	100	0	20.84	20.86	20.74	21.2	0.0	
40	QPSK	1	1	20.85	20.85	20.83	21.2	0.0	
40	QPSK	1	53	20.71	20.74	20.74			
40	QPSK	1	104	20.74	20.83	20.86			
40	QPSK	50	0	20.81	20.82	20.71	21.2	0.0	
40	QPSK	50	28	20.81	20.80	20.84	21.2	0.0	
40	QPSK	50	56	20.85	20.79	20.82	21.2	0.0	
40	QPSK	100	0	20.82	20.82	20.70	21.2	0.0	
40	16QAM	1	1	20.74	20.77	20.85	21.2	0.0	
40	16QAM	1	1	20.87	20.74	20.83	21.2	0.0	
40	256QAM	1	1	20.74	20.83	20.82	21.2	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up	MPR	
30	1/2 BPSK	1	1	20.50	20.50	20.58	limit (dB)		
Channel									
Frequency (MHz)				516804	519000	521498	Tune-up	MPR	
25	1/2 BPSK	1	1	20.73	20.82	20.65	21.2	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up	MPR	
20	1/2 BPSK	1	1	20.50	20.55	20.10	limit (dB)		
Channel									
Frequency (MHz)				515602	519000	522498	Tune-up	MPR	
15	1/2 BPSK	1	1	20.73	20.82	20.69	21.2	0.0	
Channel									
Frequency (MHz)				515004	519000	522998	Tune-up	MPR	
10	1/2 BPSK	1	1	20.76	20.85	20.57	21.2	0.0	

n41 Ant1 Other PA DSI 1									
BW [MHz]	Module ion	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)				2546.01	2592.99	2640			
100	1/2 BPSK	1	1	20.50	20.40	20.47	21.2		0.0
100	1/2 BPSK	1	137	20.55	20.53	20.46			
100	1/2 BPSK	1	271	20.51	20.44	20.55			
100	1/2 BPSK	135	0	20.53	20.53	20.52	21.2	0.0	
100	1/2 BPSK	135	69	20.48	20.43	20.58	21.2	0.0	
100	1/2 BPSK	135	138	20.44	20.54	20.42	21.2	0.0	
100	1/2 BPSK	270	0	20.49	20.50	20.49	21.2	0.0	
100	QPSK	1	1	20.48	20.59	20.57	21.2		0.0
100	QPSK	1	137	20.47	20.48	20.38			
100	QPSK	1	271	20.41	20.49	20.48			
100	QPSK	135	0	20.54	20.53	20.43	21.2	0.0	
100	QPSK	135	69	20.50	20.57	20.54	21.2	0.0	
100	QPSK	135	138	20.47	20.46	20.51	21.2	0.0	
100	QPSK	270	0	20.46	20.47	20.38	21.2	0.0	
100	16QAM	1	1	20.39	20.55	20.52	21.2	0.0	
100	16QAM	1	1	20.51	20.44	20.51	21.2	0.0	
100	256QAM	1	1	20.45	20.50	20.45	21.2	0.0	
Channel									
Frequency (MHz)				508200	518598	528998	Tune-up	MPR	
90	QPSK	1	1	20.40	20.49	20.49	21.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528998	Tune-up	MPR	
80	QPSK	1	1	20.41	20.50	20.54	21.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up	MPR	
70	QPSK	1	1	20.51	20.52	20.55	limit (dB)		
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up	MPR	
60	QPSK	1	1	20.44	20.55	20.52	21.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up	MPR	
50	QPSK	1	1	20.40	20.58	20.49	21.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up	MPR	
40	QPSK	1	1	20.37	20.51	20.50	21.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up	MPR	
30	QPSK	1	1	20.45	20.50	20.53	21.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up	MPR	
25	QPSK	1	1	20.41	20.55	20.54	21.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up	MPR	
20	QPSK	1	1	20.45	20.57	20.49	21.2	0.0	
Channel									
Frequency (MHz)				500700	518598	536498	Tune-up	MPR	
15	QPSK	1	1	20.45	20.57	20.51	21.2	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up	MPR	
10	QPSK	1	1	20.40	20.53	20.48	21.2	0.0	

Part96 n48 Ant1 DSI 1									
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)				3570	3624.99	3679.98			
40	1/2 BPSK	1	1	21.23	21.10	21.16	22.8	0.0	
40	1/2 BPSK	1	53	21.28	21.26	21.13			
40	1/2 BPSK	1	104	21.17	21.21	21.19			
40	1/2 BPSK	50	0	21.23	21.27	21.19	22.8	0.0	
40	1/2 BPSK	50	28	21.12	21.28	21.21	22.8	0.0	
40	1/2 BPSK	50	56	21.19	21.27	21.19	22.8	0.0	
40	1/2 BPSK	100	0	21.17	21.24	21.20	22.8	0.0	
40	QPSK	1	1	21.15	21.32	21.22	22.8	0.0	
40	QPSK	1	53	21.09	21.15	21.16			
40	QPSK	1	104	21.17	21.16	21.23			
40	QPSK	50	0	21.15	21.20	21.23	22.8	0.0	
40	QPSK	50	28	21.11	21.25	21.09	22.8	0.0	
40	QPSK	50	56	21.22	21.24	21.18	22.8	0.0	
40	QPSK	100	0	21.19	21.21	21.16	22.8	0.0	
40	16QAM	1	1	21.08	21.12	21.01	22.8	0.0	
40	64QAM	1	1	19.59	19.63	19.58	21.3	1.5	
40	256QAM	1	1	17.56	17.62	17.59	19.3	3.5	
Channel									
Frequency (MHz)				3688.02	3624.99	3684.99	Tune-up	MPR	
30	QPSK	1	1	21.11	21.22	21.17	22.8	0.0	
Channel									
Frequency (MHz)				3690.01	3624.99	3690.01	Tune-up	MPR	
20	QPSK	1	1	21.09	21.23	21.50	22.8	0.0	
Channel									
Frequency (MHz)				6371.68	6416.86	6461.66	Tune-up	MPR	
15	QPSK	1	1	21.14	21.23	21.51	22.8	0.0	
Channel									
Frequency (MHz)				6370.00	6416.86	6463.32	Tune-up	MPR	
10	QPSK	1	1	21.07	21.27	21.50	22.8	0.0	

Part270 n77 Ant1 Other PA DSI 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	19.38	19.25	19.25	20.5	0.0	
100	1/2 BPSK	1	137	19.33	19.36	19.30			
100	1/2 BPSK	1	271	19.29	19.30	19.37			
100	1/2 BPSK	135	0	19.32	19.36	19.25	20.5	0.0	
100	1/2 BPSK	135	69	19.26	19.31	19.33	20.5	0.0	
100	1/2 BPSK	135	138	19.28	19.28	19.20	20.5	0.0	
100	1/2 BPSK	270	0	19.27	19.29	19.25	20.5	0.0	
100	1/2 BPSK	270	138	19.27	19.31	19.36	20.5	0.0	
100	QPSK	1	137	19.21	19.31	19.25	20.5	0.0	
100	QPSK	1	271	19.28	19.30	19.37	20.5	0.0	
100	QPSK	135	0	19.28	19.33	19.24	20.5	0.0	
100	QPSK	135	69	19.27	19.32	19.31	20.5	0.0	
100	QPSK	135	138	19.29	19.30	19.21	20.5	0.0	
100	QPSK	270	0	19.31	19.32	19.18	20.5	0.0	
100	16QAM	1	1	19.27	19.31	19.30	20.5	0.0	
100	16QAM	1	137	19.32	19.29	19.33	20.5	0.0	
100	256QAM	1	1	19.25	19.36	19.31	20.5	0.0	
Channel									
90	QPSK	1	1	649686	656000	662324	Tune-up	MPR	
90	QPSK	1	1	649686	656000	662324	Tune-up	MPR	
90	QPSK	1	1	19.20	19.37	19.28	20.5	0.0	
Channel									
80	QPSK	1	1	740011	746000	752002	Tune-up	MPR	
80	QPSK	1	1	740011	746000	752002	Tune-up	MPR	
80	QPSK	1	1	19.23	19.35	19.27	20.5	0.0	
Channel									
70	QPSK	1	1	837003	843000	849000	Tune-up	MPR	
70	QPSK	1	1	19.26	19.36	19.34	20.5	0.0	
Channel									
60	QPSK	1	1	924700	930700	936701	Tune-up	MPR	
60	QPSK	1	1	3730	3840	3950.01	20.5	0.0	
Channel									
50	QPSK	1	1	19.24	19.34	19.34	20.5	0.0	
50	QPSK	1	1	19.27	19.37	19.33	20.5	0.0	
Channel									
40	QPSK	1	1	101200	101800	102400	Tune-up	MPR	
40	QPSK	1	1	3725.01	3840	3955.02	20.5	0.0	
Channel									
30	QPSK	1	1	19.20	19.30	19.30	20.5	0.0	
30	QPSK	1	1	19.18	19.31	19.27	20.5	0.0	
Channel									
25	QPSK	1	1	110300	110900	111500	Tune-up	MPR	
25	QPSK	1	1	3715.02	3840	3965.01	20.5	0.0	
Channel									
25	QPSK	1	1	19.23	19.32	19.28	20.5	0.0	
25	QPSK	1	1	747034	753000	759003	Tune-up	MPR	
25	QPSK	1	1	747034	753000	759003	Tune-up	MPR	
20	QPSK	1	1	834004	840000	846000	Tune-up	MPR	
20	QPSK	1	1	19.21	19.31	19.29	20.5	0.0	
Channel									
15	QPSK	1	1	927138	933000	938751	Tune-up	MPR	
15	QPSK	1	1	3707.52	3840	3952.51	20.5	0.0	
Channel									
15	QPSK	1	1	19.20	19.30	19.27	20.5	0.0	
Channel									
10	QPSK	1	1	101200	101800	102400	Tune-up	MPR	
10	QPSK	1	1	19.22	19.31	19.30	20.5	0.0	



Part27O n77 Ant1 Other PA DSI 1 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				655000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	22.68	22.49	22.57		
100	1/2 BPSK	1	137	22.62	22.56	22.56		
100	1/2 BPSK	1	271	22.64	22.57	22.60		23.5 0.0
100	1/2 BPSK	135	0	22.65	22.62	22.59		23.5 0.0
100	1/2 BPSK	135	69	22.64	22.63	22.63		23.5 0.0
100	1/2 BPSK	135	135	22.60	22.67	22.57		23.5 0.0
100	1/2 BPSK	270	0	22.65	22.55	22.57		23.5 0.0
100	QPSK	1	1	22.66	22.70	22.62		
100	QPSK	1	137	22.58	22.56	22.52		23.5 0.0
100	QPSK	1	271	22.63	22.60	22.67		23.5 0.0
100	QPSK	135	0	22.63	22.67	22.51		23.5 0.0
100	QPSK	135	69	22.70	22.73	22.68		23.5 0.0
100	QPSK	135	135	22.58	22.60	22.63		23.5 0.0
100	QPSK	270	0	22.59	22.67	22.48		23.5 0.0
100	16QAM	1	1	22.54	22.61	22.62		23.5 0.0
100	16QAM	1	1	22.61	22.57	22.59		23.5 0.0
100	256QAM	1	1	21.47	21.50	21.45		23.7 0.3
Channel				648668	656000	662334	Tune-up	MPR
Frequency (MHz)				3742.02	3840	3932.01	limit	(dB)
90	QPSK	1	1	22.63	22.77	22.57		23.5 0.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	22.62	22.78	22.58		23.5 0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit	(dB)
70	QPSK	1	1	22.65	22.72	22.50		23.5 0.0
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	22.64	22.71	22.57		23.5 0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3722.01	3840	3952.02	limit	(dB)
50	QPSK	1	1	22.58	22.69	22.53		23.5 0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3960	limit	(dB)
40	QPSK	1	1	22.65	22.75	22.57		23.5 0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3716.02	3840	3966.01	limit	(dB)
30	QPSK	1	1	22.65	22.71	22.58		23.5 0.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3972.5	limit	(dB)
25	QPSK	1	1	22.58	22.69	22.57		23.5 0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3978.02	limit	(dB)
20	QPSK	1	1	22.64	22.77	22.61		23.5 0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.92	3840	3978.51	limit	(dB)
15	QPSK	1	1	22.65	22.73	22.59		23.5 0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
10	QPSK	1	1	22.65	22.77	22.58		23.5 0.0

Part27Q n77 Ant1 Other PA DSI 1

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	18.85				20.5 0.0
100	1/2 BPSK	1	137	18.96				20.5 0.0
100	1/2 BPSK	1	271	18.87				20.5 0.0
100	1/2 BPSK	135	0	18.90				20.5 0.0
100	1/2 BPSK	135	69	18.85				20.5 0.0
100	1/2 BPSK	135	135	18.90				20.5 0.0
100	1/2 BPSK	270	0	18.93				20.5 0.0
100	QPSK	1	1	18.93				20.5 0.0
100	QPSK	1	137	18.84				20.5 0.0
100	QPSK	1	271	18.89				20.5 0.0
100	QPSK	135	0	18.96				20.5 0.0
100	QPSK	135	69	19.01				20.5 0.0
100	QPSK	135	135	18.90				20.5 0.0
100	QPSK	270	0	19.05				20.5 0.0
100	16QAM	1	1	18.89				20.5 0.0
100	16QAM	1	1	18.85				20.5 0.0
100	256QAM	1	1	18.97				20.5 0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	18.97	18.93	18.95		20.5 0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	18.97	18.95	18.94		20.5 0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	19.01	18.97	19.00		20.5 0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3500.02	limit	(dB)
60	QPSK	1	1	18.97	18.99	18.98		20.5 0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.00	3500.01	3505	limit	(dB)
50	QPSK	1	1	18.96	18.96	18.93		20.5 0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3508.01	limit	(dB)
40	QPSK	1	1	18.96	19.00	18.97		20.5 0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3505.02	limit	(dB)
30	QPSK	1	1	18.99	18.99	18.97		20.5 0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3507.51	limit	(dB)
25	QPSK	1	1	18.94	18.92	18.93		20.5 0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.00	3500.01	3500	limit	(dB)
20	QPSK	1	1	19.00	18.95	18.93		20.5 0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3502.5	limit	(dB)
15	QPSK	1	1	18.97	18.94	18.95		20.5 0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3505.01	limit	(dB)
10	QPSK	1	1	18.98	19.01	18.93		20.5 0.0

Part27Q n77 Ant1 Other PA DSI 1 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	21.89				23.5 0.0
100	1/2 BPSK	1	137	22.03				23.5 0.0
100	1/2 BPSK	1	271	21.97			23.5	0.0
100	1/2 BPSK	135	0	22.08				23.5 0.0
100	1/2 BPSK	135	69	21.98				23.5 0.0
100	1/2 BPSK	135	135	22.02			23.5	0.0
100	1/2 BPSK	270	0	21.93				23.5 0.0
100	QPSK	1	1	22.12				23.5 0.0
100	QPSK	1	137	22.02			23.5	0.0
100	QPSK	1	271	22.05				23.5 0.0
100	QPSK	135	0	22.01			23.5	0.0
100	QPSK	135	69	22.08			23.5	0.0
100	QPSK	135	135	22.01			23.5	0.0
100	QPSK	270	0	22.03			23.5	0.0
100	16QAM	1	1	21.99			23.5	0.0
100	16QAM	1	1	22.06			23.5	0.0
100	256QAM	1	1	21.41			23.2	0.3
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	22.02	22.07	22.06		23.5 0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	22.08	22.01	22.08		23.5 0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	22.05	22.00	22.05		23.5 0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3500.02	limit	(dB)
60	QPSK	1	1	22.06	22.04	22.07		23.5 0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3505	limit	(dB)
50	QPSK	1	1	22.03	22.07	22.05		23.5 0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3508.01	limit	(dB)
40	QPSK	1	1	22.02	22.06	22.09		23.5 0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3505.02	limit	(dB)
30	QPSK	1	1	22.06	22.03	22.0		23.5 0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3507.51	limit	(dB)
25	QPSK	1	1	22.09	22.05	22.02		23.5 0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3509	limit	(dB)
20	QPSK	1	1	22.07	22.04	22.01		23.5 0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3458.5	3500.01	3509.5	limit	(dB)
15	QPSK	1	1	22.07	22.05	22.03		23.5 0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3457.01	3500.01	3509.01	limit	(dB)
10	QPSK	1	1	22.06	22.11	22.10		23.5 0.0

Part270 n78 Ant1 Other PA DSI 1									
PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	22.40				23.5	0.0
100	1/2 BPSK	1	137	22.56					
100	1/2 BPSK	1	271	22.53					
100	1/2 BPSK	135	0	22.56				23.5	0.0
100	1/2 BPSK	135	69	22.50				23.5	0.0
100	1/2 BPSK	135	138	22.53				23.5	0.0
100	1/2 BPSK	270	0	22.51					
100	QPSK	1	1	22.68					
100	QPSK	1	137	22.51				23.5	0.0
100	QPSK	1	271	22.51					
100	QPSK	135	0	22.55				23.5	0.0
100	QPSK	135	69	22.62				23.5	0.0
100	QPSK	135	138	22.48				23.5	0.0
100	QPSK	270	0	22.58					
100	16QAM	1	1	22.54				23.5	0.0
100	64QAM	1	1	22.48				23.5	0.0
100	256QAM	1	1	22.16				23.2	0.3
Channel				649668	650000	650334	Tune-up MPR		
Frequency (MHz)				3743.02	3750	3763.01	limit (dB)		
90	QPSK	1	1	22.61	22.58	22.53	23.5	0.0	
Channel				649334	650000	650668	Tune-up MPR		
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	22.59	22.62	22.68	23.5	0.0	
Channel				649000	650000	651000	Tune-up MPR		
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	22.60	22.55	22.53	23.5	0.0	
Channel				648668	650000	651334	Tune-up MPR		
Frequency (MHz)				3743.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	22.63	22.67	22.53	23.5	0.0	
Channel				648334	650000	651668	Tune-up MPR		
Frequency (MHz)				3725.01	3750	3765.02	limit (dB)		
50	QPSK	1	1	22.63	22.62	22.64	23.5	0.0	
Channel				648000	650000	652000	Tune-up MPR		
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	22.90	22.90	22.84	23.5	0.0	
Channel				647668	650000	652334	Tune-up MPR		
Frequency (MHz)				3718.09	3750	3765.01	limit (dB)		
30	QPSK	1	1	22.97	22.80	22.80	23.5	0.0	
Channel				647500	650000	652500	Tune-up MPR		
Frequency (MHz)				3718.5	3750	3771.5	limit (dB)		
25	QPSK	1	1	22.58	22.65	22.57	23.5	0.0	
Channel				647334	650000	652668	Tune-up MPR		
Frequency (MHz)				3710.01	3750	3760.02	limit (dB)		
20	QPSK	1	1	22.58	22.59	22.64	23.5	0.0	
Channel				647168	650000	652834	Tune-up MPR		
Frequency (MHz)				3707.59	3750	3763.51	limit (dB)		
15	QPSK	1	1	22.64	22.62	22.57	23.5	0.0	
Channel				647000	650000	653000	Tune-up MPR		
Frequency (MHz)				3705	3750	3765	limit (dB)		
10	QPSK	1	1	22.59	22.57	22.64	23.5	0.0	

Part27Q n78 Ant1 Other PA DSI 1									
BW [MHz]	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	1/2 BPSK	1	1	19.66				20.5	0.0
100	1/2 BPSK	1	137	19.70					
100	1/2 BPSK	1	271	19.69					
100	1/2 BPSK	135	0	19.74				20.5	0.0
100	1/2 BPSK	135	69	19.71				20.5	0.0
100	1/2 BPSK	135	138	19.69				20.5	0.0
100	1/2 BPSK	270	0	19.72					
100	QPSK	1	1	19.82					
100	QPSK	1	137	19.68				20.5	0.0
100	QPSK	1	271	19.65					
100	QPSK	135	0	19.75				20.5	0.0
100	QPSK	135	69	19.80				20.5	0.0
100	QPSK	135	138	19.73				20.5	0.0
100	QPSK	270	0	19.75					
100	16QAM	1	1	19.68				20.5	0.0
100	64QAM	1	1	19.70				20.5	0.0
100	256QAM	1	1	19.73				20.5	0.0
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	19.78	19.74	19.75	20.5	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	19.79	19.71	19.74	20.5	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	19.79	19.79	19.75	20.5	0.0	
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	19.80	19.71	19.74	20.5	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	19.77	19.75	19.74	20.5	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	19.73	19.79	19.72	20.5	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	19.73	19.74	19.79	20.5	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	19.79	19.81	19.73	20.5	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.09	3500.01	3540	limit (dB)		
20	QPSK	1	1	19.76	19.81	19.81	20.5	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	19.76	19.74	19.77	20.5	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	19.73	19.78	19.74	20.5	0.0	

Part27Q n78 Ant1 Other PA DSI 1 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	22.68				23.5	0.0
100	1/2 BPSK	1	137	22.80					
100	1/2 BPSK	1	271	22.81					
100	1/2 BPSK	135	0	22.89				23.5	0.0
100	1/2 BPSK	135	69	22.74				23.5	0.0
100	1/2 BPSK	135	138	22.81				23.5	0.0
100	1/2 BPSK	270	0	22.76					
100	QPSK	1	1	22.96					
100	QPSK	1	137	22.79				23.5	0.0
100	QPSK	1	271	22.75					
100	QPSK	135	0	22.81				23.5	0.0
100	QPSK	135	69	22.82				23.5	0.0
100	QPSK	135	138	22.80				23.5	0.0
100	QPSK	270	0	22.91					
100	16QAM	1	1	22.82				23.5	0.0
100	64QAM	1	1	22.76				23.5	0.0
100	256QAM	1	1	22.66				23.2	0.3
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	22.91	22.92	22.92	23.5	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	22.95	22.95	22.89	23.5	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	22.97	22.95	22.97	23.5	0.0	
Channel				631999	633334	634668	Tune-up MPR		
Frequency (MHz)				3480.03	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	23.10	23.03	22.96	23.5	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3474.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	23.23	22.89	22.91	23.5	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3468 <th>22.96<th>22.91<td>23.5</td><td>0.0</td><td></td></th></th>	22.96 <th>22.91<td>23.5</td><td>0.0</td><td></td></th>	22.91 <td>23.5</td> <td>0.0</td> <td></td>	23.5	0.0	
40	QPSK	1	1	23.00	23.00	23.00	23.5	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	23.08	23.07	22.97	23.5	0.0	
Channel				630634	633334	635934	Tune-up MPR		
Frequency (MHz)				3462.41 <th>3500.01<th>3574.41</th><th>limit (dB)</th><th colspan="2"></th></th>	3500.01 <th>3574.41</th> <th>limit (dB)</th> <th colspan="2"></th>	3574.41	limit (dB)		
25	QPSK	1	1	23.34	23.25	22.94	23.5	0.0	
Channel				630300	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.02 <th>3500.01<th>3590</th><th>limit (dB)</th><th colspan="2"></th></th>	3500.01 <th>3590</th> <th>limit (dB)</th> <th colspan="2"></th>	3590	limit (dB)		
20	QPSK	1	1	23.29	23.28	22.91	23.5	0.0	
Channel				630000	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.69 <th>3500.01</th> <th>3621.69</th> <th>limit (dB)</th> <th colspan="2"></th>	3500.01	3621.69	limit (dB)		
15	QPSK	1	1	23.39	23.29	22.91	23.5	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.00	3500.01	3653.34	limit (dB)		
10	QPSK	1	1	23.24	22.88	22.90	23.5	0.0	

n2 Ant5 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	16.92	16.82	16.88		17.8	0.0
40	1/2 BPSK	1	108	16.97	16.97	16.88		17.8	0.0
40	1/2 BPSK	1	214	16.92	16.84	16.96			
40	1/2 BPSK	108	0	16.94	16.92	16.83	17.8		
40	1/2 BPSK	108	54	16.95	16.83	16.98	17.8		
40	1/2 BPSK	108	108	16.91	16.92	16.83	17.8	0.0	
40	1/2 BPSK	216	0	16.88	16.88	16.84			
40	QPSK	1	1	16.93	17.01	16.97			
40	QPSK	1	108	16.88	16.92	16.84	17.8	0.0	
40	QPSK	1	214	16.81	16.94	16.94			
40	QPSK	108	0	16.85	16.98	16.88	17.8	0.0	
40	QPSK	108	54	16.91	16.98	16.97	17.8	0.0	
40	QPSK	108	108	16.95	16.94	16.92	17.8	0.0	
40	QPSK	216	0	16.88	16.94	16.85			
40	16QAM	1	1	16.85	16.92	16.87	17.8	0.0	
40	64QAM	1	1	16.95	16.86	16.91	17.8	0.0	
40	256QAM	1	1	16.96	16.97	16.83	17.8	0.0	
Channel				373500	376000	378500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1890	1892.5			
35	QPSK	1	1	16.93	16.96	16.96	17.8	0.0	
Channel				373000	376000	379000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1895	1890	1898			
30	QPSK	1	1	16.95	16.98	16.98	17.8	0.0	
Channel				372500	376000	379500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1890	1897.5			
25	QPSK	1	1	17.00	16.95	16.91	17.8	0.0	
Channel				372000	376000	380000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1900	1890	1900			
20	QPSK	1	1	16.99	16.91	16.98	17.8	0.0	
Channel				371500	376000	380500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1897.5			
15	QPSK	1	1	16.91	16.96	16.92	17.8	0.0	
Channel				371000	376000	381000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1895	1890	1895			
10	QPSK	1	1	16.92	16.97	16.97	17.8	0.0	
Channel				370500	376000	381500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1890	1897.5			
5	QPSK	1	1	16.92	16.91	16.92	17.8	0.0	

n7 Ant5 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	16.39	16.17	16.24		16.7	0.0
40	1/2 BPSK	1	108	16.35	16.32	16.27			
40	1/2 BPSK	1	214	16.31	16.27	16.28			
40	1/2 BPSK	108	0	16.34	16.31	16.27	16.7		
40	1/2 BPSK	108	54	16.29	16.28	16.34	16.7	0.0	
40	1/2 BPSK	108	108	16.31	16.31	16.25	16.7	0.0	
40	1/2 BPSK	216	0	16.27	16.26	16.23			
40	QPSK	1	1	16.27	16.43	16.29			
40	QPSK	1	108	16.18	16.28	16.26	16.7	0.0	
40	QPSK	1	214	16.29	16.31	16.32			
40	QPSK	108	0	16.26	16.33	16.23	16.7	0.0	
40	QPSK	108	54	16.27	16.40	16.30	16.7	0.0	
40	QPSK	108	108	16.30	16.33	16.32	16.7	0.0	
40	QPSK	216	0	16.32	16.35	16.22			
40	16QAM	1	1	16.21	16.32	16.34	16.7	0.0	
40	64QAM	1	1	16.37	16.31	16.32	16.7	0.0	
40	256QAM	1	1	16.27	16.29	16.30	16.7	0.0	
Channel				0	0	0	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	16.37	16.38	16.39	16.7	0.0	
Channel				503000	507000	511000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2516	2535	2555			
30	QPSK	1	1	16.39	16.37	16.32	16.7	0.0	
Channel				502500	507000	511500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	16.37	16.36	16.34	16.7	0.0	
Channel				502000	507000	512000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	1	16.33	16.40	16.36	16.7	0.0	
Channel				501500	507000	512500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2552.5			
15	QPSK	1	1	16.37	16.33	16.35	16.7	0.0	
Channel				501000	507000	513000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.38	16.37	16.42	16.7	0.0	
Channel				500500	507000	513500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2557.5			
5	QPSK	1	1	16.41	16.37	16.35	16.7	0.0	

n66 Ant5 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	16.27	16.12	16.17		18.7	0.0
40	1/2 BPSK	1	108	16.20	16.22	16.19			
40	1/2 BPSK	1	214	16.24	16.21	16.27			
40	1/2 BPSK	108	0	16.29	16.24	16.22	18.7		
40	1/2 BPSK	108	54	16.18	16.18	16.26	18.7	0.0	
40	1/2 BPSK	108	108	16.20	16.23	16.15	18.7	0.0	
40	1/2 BPSK	216	0	16.17	16.21	16.21			
40	QPSK	1	1	16.17	16.32	16.26			
40	QPSK	1	108	16.15	16.15	16.15	18.7	0.0	
40	QPSK	1	214	16.20	16.15	16.26			
40	QPSK	108	0	16.24	16.24	16.16	18.7	0.0	
40	QPSK	108	54	16.20	16.30	16.19	18.7	0.0	
40	QPSK	108	108	16.22	16.17	16.22	18.7	0.0	
40	QPSK	216	0	16.20	16.25	16.06			
40	16QAM	1	1	16.14	16.20	16.26	18.7	0.0	
40	64QAM	1	1	16.22	16.19	16.20	18.7	0.0	
40	256QAM	1	1	16.16	16.24	16.21	16.7	0.0	
Channel				345800	349000	352500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1767.5			
35	QPSK	1	1	16.28	16.25	16.25	18.7	0.0	
Channel				345600	349000	353000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	16.31	16.22	16.22	18.7	0.0	
Channel				344500	349000	353500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	16.30	16.28	16.28	18.7	0.0	
Channel				344000	349000	354000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	16.24	16.23	16.25	18.7	0.0	
Channel				343500	349000	354500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	16.28	16.23	16.21	18.7	0.0	
Channel				343000	349000	355000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	16.24	16.22	16.24	18.7	0.0	
Channel				342500	349000	355500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	16.30	16.30	16.28	18.7	0.0	

n38 Ant5 DSI 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	17.25	17.09	17.19		
40	1/2 BPSK	1	53	17.20	17.19	17.18	17.7	0.0
40	1/2 BPSK	1	104	17.16	17.21	17.11		
40	1/2 BPSK	50	0	17.24	17.23	17.16	17.7	0.0
40	1/2 BPSK	50	26	17.25	17.21	17.27	17.7	0.0
40	1/2 BPSK	50	56	17.22	17.20	17.11	17.7	0.0
40	1/2 BPSK	100	0	17.26	17.14	17.12	17.7	0.0
40	QPSK	1	1	17.22	17.26	17.25		
40	QPSK	1	53	17.13	17.21	17.10	17.7	0.0
40	QPSK	1	104	17.14	17.21	17.24		
40	QPSK	50	0	17.23	17.12	17.15	17.7	0.0
40	QPSK	50	26	17.25	17.26	17.16	17.7	0.0
40	QPSK	50	56	17.20	17.23	17.22	17.7	0.0
40	QPSK	100	0	17.21	17.23	17.12	17.7	0.0
40	16QAM	1	1	17.13	17.25	17.17	17.7	0.0
40	64QAM	1	1	17.17	17.15	17.16	17.7	0.0
40	256QAM	1	1	17.10	17.19	17.19	17.7	0.0
Channel				517002	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2583.01	2595	2604.99	<td></td>	
30	QPSK	1	1	17.26	17.24	17.24	17.7	0.0
Channel				516504	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2582.52	2595	2607.48	<td></td>	
25	QPSK	1	1	17.27	17.23	17.13	17.7	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2580	2595	2610	<td></td>	
20	QPSK	1	1	17.24	17.19	17.21	17.7	0.0
Channel				515502	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49	<td></td>	
15	QPSK	1	1	17.15	17.23	17.17	17.7	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2575.02	2595	2614.98	<td></td>	
10	QPSK	1	1	17.15	17.19	17.22	17.7	0.0

n41 Ant5 DSI 1								
BW [MHz]	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	520600		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	15.65	15.49	15.58		
100	1/2 BPSK	1	137	15.65	15.62	15.57	16.2	0.0
100	1/2 BPSK	1	271	15.60	15.62	15.68		
100	1/2 BPSK	135	0	15.67	15.60	15.55	16.2	0.0
100	1/2 BPSK	135	69	15.61	15.62	15.62	16.2	0.0
100	1/2 BPSK	135	138	15.60	15.60	15.59	16.2	0.0
100	1/2 BPSK	270	0	15.65	15.60	15.53		
100	QPSK	1	1	15.62	15.71	15.64		
100	QPSK	1	137	15.57	15.60	15.63	16.2	0.0
100	QPSK	1	271	15.57	15.62	15.68		
100	QPSK	135	0	15.61	15.60	15.51	16.2	0.0
100	QPSK	135	69	15.63	15.65	15.67	16.2	0.0
100	QPSK	135	138	15.67	15.60	15.59	16.2	0.0
100	QPSK	270	0	15.62	15.65	15.48	16.2	0.0
100	16QAM	1	1	15.55	15.63	15.62	16.2	0.0
100	64QAM	1	1	15.66	15.59	15.61	16.2	0.0
100	256QAM	1	1	15.56	15.66	15.62	16.2	0.0
Channel				508200	518598	520696	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.93		
90	QPSK	1	1	15.62	15.59	15.62	16.2	0.0
Channel				507204	518598	520696	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2539.02	2592.99	2646.99		
80	QPSK	1	1	15.65	15.56	15.58	16.2	0.0
Channel				506202	518598	531000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.62	15.70	15.63	16.2	0.0
Channel				505200	518598	531696	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.93		
60	QPSK	1	1	15.67	15.68	15.69	16.2	0.0
Channel				504204	518598	532998	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.97		
50	QPSK	1	1	15.67	15.63	15.63	16.2	0.0
Channel				503202	518598	534000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.65	15.65	15.68	16.2	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.96		
30	QPSK	1	1	15.64	15.60	15.63	16.2	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.96		
25	QPSK	1	1	15.64	15.62	15.67	16.2	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.95		
20	QPSK	1	1	15.69	15.69	15.69	16.2	0.0
Channel				500700	518598	536496	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2500.5	2592.99	2683.48		
15	QPSK	1	1	15.61	15.63	15.68	16.2	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2491.01	2592.99	2685		
10	QPSK	1	1	15.66	15.63	15.65	16.2	0.0

n2 Ant6 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	21.79	21.59	21.72		23.2	0.0
40	1/2 BPSK	1	108	21.76	21.77	21.63			
40	1/2 BPSK	1	214	21.67	21.68	21.69			
40	1/2 BPSK	108	0	21.72	21.75	21.84		23.2	0.0
40	1/2 BPSK	108	54	21.66	21.73	21.77		23.2	0.0
40	1/2 BPSK	108	108	21.69	21.69	21.68		23.2	0.0
40	1/2 BPSK	216	0	21.75	21.70	21.70			
40	QPSK	1	1	21.80	21.84	21.78			
40	QPSK	1	108	21.62	21.66	21.61		23.2	0.0
40	QPSK	1	214	21.62	21.65	21.71			
40	QPSK	108	0	21.70	21.70	21.64		23.2	0.0
40	QPSK	108	54	21.68	21.80	21.77		23.2	0.0
40	QPSK	108	108	21.70	21.73	21.89		23.2	0.0
40	QPSK	216	0	21.65	21.76	21.63			
40	16QAM	1	1	21.64	21.72	21.71		23.2	0.0
40	64QAM	1	1	20.96	21.04	20.98		22.7	0.5
40	256QAM	1	1	19.91	19.96	19.93		20.7	2.5
Channel				373500	376000	378500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)		
35	QPSK	1	1	21.77	21.82	21.74		23.2	0.0
Channel				373000	376000	379000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	limit (dB)		
30	QPSK	1	1	21.76	21.76	21.68		23.2	0.0
Channel				372500	376000	379500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	limit (dB)		
25	QPSK	1	1	21.77	21.82	21.74		23.2	0.0
Channel				372000	376000	380000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	limit (dB)		
20	QPSK	1	1	21.76	21.80	21.76		23.2	0.0
Channel				371500	376000	380500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	limit (dB)		
15	QPSK	1	1	21.74	21.81	21.72		23.2	0.0
Channel				371000	376000	381000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	limit (dB)		
10	QPSK	1	1	21.74	21.80	21.73		23.2	0.0
Channel				370500	376000	381500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	limit (dB)		
5	QPSK	1	1	21.76	21.75	21.68		23.2	0.0

n7 Ant6 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	22.03	21.96	21.95		22.7	0.0
40	1/2 BPSK	1	108	21.99	22.03	21.98			
40	1/2 BPSK	1	214	22.02	21.94	22.07			
40	1/2 BPSK	108	0	22.03	22.07	22.02		22.7	0.0
40	1/2 BPSK	108	54	22.04	21.96	22.06		22.7	0.0
40	1/2 BPSK	108	108	22.02	22.01	21.99		22.7	0.0
40	1/2 BPSK	216	0	21.98	22.00	21.99			
40	QPSK	1	1	22.04	22.12	22.02			
40	QPSK	1	108	21.98	21.99	21.91		22.7	0.0
40	QPSK	1	214	21.91	22.04	22.07			
40	QPSK	108	0	21.98	22.00	21.98		22.7	0.0
40	QPSK	108	54	22.00	22.10	22.01		22.7	0.0
40	QPSK	108	108	22.05	22.04	22.03		22.7	0.0
40	QPSK	216	0	21.98	22.03	21.94			
40	16QAM	1	1	21.87	21.96	22.01		22.7	0.0
40	64QAM	1	1	22.05	21.93	22.01		22.7	0.0
40	256QAM	1	1	20.01	20.08	19.99		21.2	1.5
Channel				503500	507000	510500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	22.09	22.11	22.06		22.7	0.0
Channel				503000	507000	511000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	limit (dB)		
30	QPSK	1	1	22.05	22.08	22.07		22.7	0.0
Channel				502500	507000	511500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	22.03	22.10	22.09		22.7	0.0
Channel				502000	507000	512000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	1/2 BPSK	1	1	22.03	22.04	22.07		22.7	0.0
Channel				501500	507000	512500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	22.07	22.09	22.05		22.7	0.0
Channel				501000	507000	513000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	limit (dB)		
10	QPSK	1	1	22.03	22.10	22.01		22.7	0.0
Channel				500500	507000	513500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	22.08	22.06	22.02		22.7	0.0

n66 Ant6 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	20.70	20.81	20.68		22.2	0.0
40	1/2 BPSK	1	108	20.77	20.76	20.67			
40	1/2 BPSK	1	214	20.74	20.68	20.73			
40	1/2 BPSK	108	0	20.70	20.76	20.67		22.2	0.0
40	1/2 BPSK	108	54	20.87	20.71	20.72		22.2	0.0
40	1/2 BPSK	108	108	20.71	20.76	20.68		22.2	0.0
40	1/2 BPSK	216	0	20.68	20.65	20.64			
40	QPSK	1	1	20.73	20.80	20.75			
40	QPSK	1	108	20.66	20.67	20.61		22.2	0.0
40	QPSK	1	214	20.61	20.65	20.78			
40	QPSK	108	0	20.67	20.70	20.61		22.2	0.0
40	QPSK	108	54	20.70	20.78	20.76		22.2	0.0
40	QPSK	108	108	20.72	20.72	20.74		22.2	0.0
40	QPSK	216	0	20.84	20.74	20.65			
40	16QAM	1	1	20.81	20.71	20.74		22.2	0.0
40	64QAM	1	1	20.74	20.62	20.71		22.2	0.0
40	256QAM	1	1	19.53	19.61	19.56		21.2	1.0
Channel				345500	349000	352500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)		
35	QPSK	1	1	20.70	20.77	20.79		0.0	0.0
Channel				345000	349000	353000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	limit (dB)		
30	QPSK	1	1	20.70	20.71	20.72		22.2	0.0
Channel				344500	349000	353500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	QPSK	1	1	20.74	20.77	20.76		22.2	0.0
Channel				344000	349000	354000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	20.71	20.76	20.74		22.2	0.0
Channel				343500	349000	354500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)		
15	QPSK	1	1	20.72	20.74	20.74		22.2	0.0
Channel				343000	349000	355000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	limit (dB)		
10	QPSK	1	1	20.73	20.70	20.73		22.2	0.0
Channel				342500	349000	355500	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)		
5	QPSK	1	1	20.70	20.70	20.72		22.2	0.0



n38 Ant6 DSI 1									
BW [MHz]	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)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	21.67	21.48	21.57	22.5	0.0	
40	1/2 BPSK	1	53	21.64	21.52	21.61			
40	1/2 BPSK	1	104	21.57	21.80	21.63			
40	1/2 BPSK	50	0	21.61	21.65	21.55	22.5	0.0	
40	1/2 BPSK	50	28	21.58	21.58	21.60	22.5	0.0	
40	1/2 BPSK	50	56	21.61	21.64	21.52	22.5	0.0	
40	1/2 BPSK	100	0	21.56	21.55	21.61			
40	QPSK	1	1	21.65	21.68	21.56	22.5	0.0	
40	QPSK	1	53	21.56	21.80	21.52			
40	QPSK	1	104	21.55	21.63	21.59			
40	QPSK	50	0	21.64	21.63	21.57	22.5	0.0	
40	QPSK	50	28	21.62	21.66	21.59	22.5	0.0	
40	QPSK	50	56	21.63	21.64	21.62	22.5	0.0	
40	QPSK	100	0	21.55	21.60	21.57			
40	16QAM	1	1	21.51	21.80	21.62	22.5	0.0	
40	16QAM	1	1	21.63	21.54	21.59	22.5	0.0	
40	256QAM	1	1	19.90	19.98	19.92	21.0	1.5	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up	MPR	
30	QPSK	1	1	23.64	23.58	23.57	22.5	0.0	
Channel									
Frequency (MHz)				516604	519000	521496	Tune-up	MPR	
25	QPSK	1	1	21.61	21.59	21.62	22.5	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up	MPR	
20	QPSK	1	1	25.90	25.95	26.00	limit	(dB)	
Channel									
Frequency (MHz)				515602	519000	522498	Tune-up	MPR	
15	QPSK	1	1	21.57	21.64	21.61	22.5	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up	MPR	
10	QPSK	1	1	21.55	21.62	21.63	22.5	0.0	

n41 Ant6 DSI 1									
BW [MHz]	Module ion	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)				2546.01	2592.99	2640			
100	1/2 BPSK	1	1	20.23	20.10	20.13	21.7	0.0	
100	1/2 BPSK	1	137	20.21	20.20	20.14			
100	1/2 BPSK	1	271	20.17	20.14	20.16			
100	1/2 BPSK	135	0	20.20	20.16	20.16	21.7	0.0	
100	1/2 BPSK	135	69	20.16	20.13	20.21	21.7	0.0	
100	1/2 BPSK	135	138	20.17	20.15	20.12	21.7	0.0	
100	1/2 BPSK	270	0	20.18	20.15	20.15			
100	QPSK	1	1	20.18	20.27	20.21	21.7	0.0	
100	QPSK	1	137	20.08	20.13	20.07			
100	QPSK	1	271	20.14	20.19	20.20			
100	QPSK	135	0	20.16	20.16	20.09	21.7	0.0	
100	QPSK	135	69	20.18	20.24	20.19	21.7	0.0	
100	QPSK	135	138	20.14	20.13	20.22	21.7	0.0	
100	QPSK	270	0	20.15	20.21	20.08			
100	16QAM	1	1	20.12	20.12	20.20	21.7	0.0	
100	64QAM	1	1	20.19	20.09	20.17	21.7	0.0	
100	256QAM	1	1	20.13	20.15	20.15	21.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up	MPR	
90	QPSK	1	1	20.24	20.22	20.20	21.7	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up	MPR	
80	QPSK	1	1	20.19	20.19	20.19	21.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up	MPR	
70	QPSK	1	1	20.16	20.23	20.35	limit	(dB)	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up	MPR	
60	QPSK	1	1	20.23	20.20	20.16	21.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up	MPR	
50	QPSK	1	1	20.23	20.23	20.24	21.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up	MPR	
40	QPSK	1	1	20.25	20.17	20.18	21.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
30	QPSK	1	1	20.26	20.25	20.17	21.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
25	QPSK	1	1	20.22	20.16	20.25	21.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535996	Tune-up	MPR	
20	QPSK	1	1	20.18	20.24	20.19	21.7	0.0	
Channel									
Frequency (MHz)				500700	518598	536496	Tune-up	MPR	
15	QPSK	1	1	20.23	20.23	20.20	21.7	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up	MPR	
10	QPSK	1	1	20.26	20.24	20.17	21.7	0.0	

Part96 n48 Ant6 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)				3570	3624.99	3679.98			
40	1/2 BPSK	1	1	21.13	20.99	21.10	22.5	0.0	
40	1/2 BPSK	1	53	21.18	21.14	21.10			
40	1/2 BPSK	1	104	21.06	21.09	21.08			
40	1/2 BPSK	50	0	21.11	21.16	21.08	22.5	0.0	
40	1/2 BPSK	50	28	21.06	21.12	21.15	22.5	0.0	
40	1/2 BPSK	50	56	21.07	21.14	21.05	22.5	0.0	
40	1/2 BPSK	100	0	21.13	21.09	21.03			
40	QPSK	1	1	21.12	21.21	21.14	22.5	0.0	
40	QPSK	1	53	21.00	21.11	21.06			
40	QPSK	1	104	21.05	21.12	21.09			
40	QPSK	50	0	21.09	21.10	21.04	22.5	0.0	
40	QPSK	50	28	21.16	21.19	21.12	22.5	0.0	
40	QPSK	50	56	21.09	21.09	21.14	22.5	0.0	
40	QPSK	100	0	21.12	21.15	21.07	22.5	0.0	
40	16QAM	1	1	21.07	21.16	21.14	22.5	0.0	
40	64QAM	1	1	21.13	21.03	21.14	22.5	0.0	
40	256QAM	1	1	19.46	19.53	19.46	21.0	1.5	
Channel									
Frequency (MHz)				637668	641666	645666	Tune-up	MPR	
30	QPSK	1	1	21.03	21.13	21.04	22.5	0.0	
Channel									
Frequency (MHz)				637334	641666	646000	Tune-up	MPR	
20	QPSK	1	1	21.03	21.12	21.13	22.5	0.0	
Channel									
Frequency (MHz)				637168	641666	646166	Tune-up	MPR	
15	QPSK	1	1	21.03	21.13	21.10	22.5	0.0	
Channel									
Frequency (MHz)				637000	641666	646332	Tune-up	MPR	
10	QPSK	1	1	21.08	21.13	21.05	22.5	0.0	

Part270 n77 Ant6 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	663000			
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	20.57	20.49	20.59	22.0	0.0	
100	1/2 BPSK	1	137	20.60	20.62	20.57			
100	1/2 BPSK	1	271	20.54	20.54	20.56			
100	1/2 BPSK	135	0	20.54	20.63	20.55	22.0	0.0	
100	1/2 BPSK	135	69	20.60	20.60	20.58	22.0	0.0	
100	1/2 BPSK	135	138	20.56	20.59	20.53	22.0	0.0	
100	1/2 BPSK	270	0	20.56	20.52	20.50	22.0	0.0	
100	1/2 BPSK	270	138	20.58	20.58	20.52			
100	1/2 BPSK	1	137	20.64	20.53	20.44			
100	1/2 BPSK	1	271	20.56	20.56	20.54	22.0	0.0	
100	QPSK	135	0	20.53	20.60	20.45	22.0	0.0	
100	QPSK	135	69	20.57	20.64	20.63	22.0	0.0	
100	QPSK	135	138	20.60	20.60	20.58	22.0	0.0	
100	QPSK	270	0	20.49	20.50	20.46	22.0	0.0	
100	16QAM	1	1	20.45	20.81	20.26	22.0	0.0	
100	16QAM	1	137	20.61	20.61	20.59			
100	16QAM	1	271	20.58	20.58	20.56			
100	256QAM	1	1	20.45	20.58	20.50	22.0	0.0	
Channel				64868	65600	66234	Tune-up	MPR	
Frequency (MHz)				3740	3840	3940			
90	QPSK	1	1	20.52	20.64	20.57	22.0	0.0	
Channel				65500	66300	67100	Tune-up	MPR	
Frequency (MHz)				3740	3840	3940	0.0		
80	QPSK	1	1	20.55	20.60	20.57	22.0	0.0	
Channel				65500	66300	67100	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.49	20.56	20.59	22.0	0.0	
Channel				64868	65600	66234	Tune-up	MPR	
Frequency (MHz)				3740	3840	3950	0.0		
60	QPSK	1	1	20.57	20.61	20.57	22.0	0.0	
Channel				65500	66300	67100	Tune-up	MPR	
Frequency (MHz)				3725	3840	3955	0.0		
50	QPSK	1	1	20.53	20.63	20.54	22.0	0.0	
Channel				64900	65900	66900	Tune-up	MPR	
Frequency (MHz)				3720	3840	3950			
40	QPSK	1	1	20.57	20.57	20.59	22.0	0.0	
Channel				64768	65600	66434	Tune-up	MPR	
Frequency (MHz)				3715	3840	3935			
30	QPSK	1	1	20.53	20.63	20.53	22.0	0.0	
Channel				64768	65600	66434	Tune-up	MPR	
Frequency (MHz)				3715	3840	3940			
25	QPSK	1	1	20.59	20.55	20.62	22.0	0.0	
Channel				64768	65600	66434	Tune-up	MPR	
Frequency (MHz)				3710	3840	3940			
20	QPSK	1	1	20.59	20.59	20.59	22.0	0.0	
Channel				64768	65600	66434	Tune-up	MPR	
Frequency (MHz)				3705	3840	3940			
15	QPSK	1	1	20.54	20.58	20.51	22.0	0.0	
Channel				64768	65600	66500	Tune-up	MPR	
Frequency (MHz)				3705	3840	3940			
10	QPSK	1	1	20.49	20.63	20.61	22.0	0.0	



Part270 n77 Ant6 DSI 1 PC2											
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		25.0	0.0		
100	1/2 BPSK	1	1	23.62	23.51	23.55					
100	1/2 BPSK	1	137	23.56	23.55	23.51					
100	1/2 BPSK	1	271	23.59	23.48	23.62					
100	1/2 BPSK	135	0	23.54	23.64	23.56	25.0	25.0	0.0		
100	1/2 BPSK	135	69	23.59	23.57	23.54	25.0				
100	1/2 BPSK	135	135	23.53	23.81	23.54	25.0				
100	1/2 BPSK	270	0	23.54	23.58	23.48	25.0				
100	QPSK	1	1	23.60	23.67	23.53		25.0	0.0		
100	QPSK	1	137	23.46	23.56	23.46					
100	QPSK	1	271	23.49	23.67	23.56	25.0				
100	QPSK	135	0	23.53	23.60	23.51	25.0				
100	QPSK	135	69	23.55	23.64	23.59	25.0	25.0	0.0		
100	QPSK	135	135	23.62	23.54	23.63	25.0				
100	QPSK	270	0	23.53	23.55	23.52	25.0				
100	16QAM	1	1	23.49	23.55	23.60	25.0	25.0	0.0		
100	16QAM	1	1	23.07	23.13	23.03	24.5				
100	256QAM	1	1	20.80	20.86	20.76	22.5				
Channel											
Frequency (MHz)											
90	QPSK	1	1	64968	65000	65234	Tune-up limit (dB)	25.0	0.0		
90	QPSK	1	1	3742.02	3740	3745.01	limit (dB)				
Channel											
Frequency (MHz)											
80	QPSK	1	1	64934	65000	65268	Tune-up limit (dB)	25.0	0.0		
80	QPSK	1	1	3740.01	3740	3740.02	limit (dB)				
Channel											
Frequency (MHz)											
70	QPSK	1	1	64900	65000	65300	Tune-up limit (dB)	25.0	0.0		
70	QPSK	1	1	3725	3740	3745	limit (dB)				
Channel											
Frequency (MHz)											
60	QPSK	1	1	64868	65000	65334	Tune-up limit (dB)	25.0	0.0		
60	QPSK	1	1	3720.02	3740	3740.01	limit (dB)				
Channel											
Frequency (MHz)											
50	QPSK	1	1	64834	65000	65368	Tune-up limit (dB)	25.0	0.0		
50	QPSK	1	1	3722.01	3740	3745.02	limit (dB)				
Channel											
Frequency (MHz)											
40	QPSK	1	1	64800	65000	65400	Tune-up limit (dB)	25.0	0.0		
40	QPSK	1	1	3720	3740	3740	limit (dB)				
Channel											
Frequency (MHz)											
30	QPSK	1	1	64768	65000	65434	Tune-up limit (dB)	25.0	0.0		
30	QPSK	1	1	3716.02	3740	3745.01	limit (dB)				
Channel											
Frequency (MHz)											
25	QPSK	1	1	64750	65000	65450	Tune-up limit (dB)	25.0	0.0		
25	QPSK	1	1	3712.5	3740	3745.2	limit (dB)				
Channel											
Frequency (MHz)											
20	QPSK	1	1	64734	65000	65468	Tune-up limit (dB)	25.0	0.0		
20	QPSK	1	1	3710.01	3740	3740.02	limit (dB)				
Channel											
Frequency (MHz)											
15	QPSK	1	1	64718	65000	65484	Tune-up limit (dB)	25.0	0.0		
15	QPSK	1	1	3707.52	3740	3745.51	limit (dB)				
Channel											
Frequency (MHz)											
10	QPSK	1	1	64700	65000	65500	Tune-up limit (dB)	25.0	0.0		
10	QPSK	1	1	3705	3740	3745	limit (dB)				

Part270Q n77 Ant6 DSI 1											
BW [MHz]	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	1/2 BPSK	1	1		3500.01			22.0	0.0		
100	1/2 BPSK	1	137		20.39						
100	1/2 BPSK	1	271		20.41						
100	1/2 BPSK	135	0		20.54		22.0				
100	1/2 BPSK	135	69		20.43		22.0	22.0	0.0		
100	1/2 BPSK	135	135		20.49		22.0				
100	1/2 BPSK	270	0		20.41		22.0				
100	QPSK	1	1		20.58						
100	QPSK	1	137		20.42		22.0	22.0	0.0		
100	QPSK	1	271		20.46		22.0				
100	QPSK	135	0		20.53		22.0				
100	QPSK	135	69		20.54		22.0				
100	QPSK	135	135		20.45		22.0	22.0	0.0		
100	QPSK	270	0		20.46		22.0				
100	16QAM	1	1		20.43		22.0				
100	64QAM	1	1		20.43		22.0				
100	256QAM	1	1		20.46		22.0	22.0	0.0		
Channel											
Frequency (MHz)											
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dB)	22.0	0.0		
90	QPSK	1	1	3465	3500.01	3505.02	limit (dB)				
Channel											
Frequency (MHz)											
80	QPSK	1	1	63268	63334	63400	Tune-up limit (dB)	22.0	0.0		
80	QPSK	1	1	3450.02	3500.01	3510	limit (dB)				
Channel											
Frequency (MHz)											
70	QPSK	1	1	63234	63334	63434	Tune-up limit (dB)	22.0	0.0		
70	QPSK	1	1	3445.01	3500.01	3515.01	limit (dB)				
Channel											
Frequency (MHz)											
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dB)	22.0	0.0		
60	QPSK	1	1	3440	3500.01	3505.02	limit (dB)				
Channel											
Frequency (MHz)											
50	QPSK	1	1	63168	63334	63500	Tune-up limit (dB)	22.0	0.0		
50	QPSK	1	1	3435.02	3500.01	3505	limit (dB)				
Channel											
Frequency (MHz)											
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dB)	22.0	0.0		
40	QPSK	1	1	3430.01	3500.01	3505.01	limit (dB)				
Channel											
Frequency (MHz)											
30	QPSK	1	1	63100	63334	63568	Tune-up limit (dB)	22.0	0.0		
30	QPSK	1	1	3425	3500.01	3505.02	limit (dB)				
Channel											
Frequency (MHz)											
25	QPSK	1	1	63068	63334	63600	Tune-up limit (dB)	22.0	0.0		
25	QPSK	1	1	3420.02	3500.01	3505	limit (dB)				
Channel											
Frequency (MHz)											
20	QPSK	1	1	63050	63334	63618	Tune-up limit (dB)	22.0	0.0		
20	QPSK	1	1	3415	3500.01	3505.02	limit (dB)				
Channel											
Frequency (MHz)											
15	QPSK	1	1	63034	63334	63634	Tune-up limit (dB)	22.0	0.0		
15	QPSK	1	1	3410.01	3500.01	3505.01	limit (dB)				
Channel											
Frequency (MHz)											
10	QPSK	1	1	6301	63334	63651	Tune-up limit (dB)	22.0	0.0		
10	QPSK	1		20.51	20.53	20.51	22.0	0.0			

Part27O n78 Ant6 DSI 1 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	1/2 BPSK	1	1		23.86			25.5	0.0
100	1/2 BPSK	1	137		23.93				
100	1/2 BPSK	1	271		23.85				
100	1/2 BPSK	135	0		23.88			25.5	0.0
100	1/2 BPSK	135	69		23.89			25.5	0.0
100	1/2 BPSK	135	138		23.84			25.5	0.0
100	1/2 BPSK	270	0		23.95				
100	QPSK	1	1		24.17				
100	QPSK	1	137		23.91			25.5	0.0
100	QPSK	1	271		23.94				
100	QPSK	135	0		23.76			25.5	0.0
100	QPSK	135	69		24.03			25.5	0.0
100	QPSK	135	138		23.91			25.5	0.0
100	QPSK	270	0		23.82				
100	16QAM	1	1		24.00			25.5	0.0
100	64QAM	1	1		23.25			24.7	0.8
100	256QAM	1	1		21.51			22.7	2.8
Channel									
Frequency (MHz)				649668	650000	650334	Tune-up	MPR	
				3743.02	3750	3753.01	limit (dB)		
90	QPSK	1	1	24.14	24.13	24.10	25.5	0.0	
Channel									
Frequency (MHz)				649334	650000	650668	Tune-up	MPR	
				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	24.11	24.12	24.13	25.5	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up	MPR	
				3735	3750	3765	limit (dB)		
70	QPSK	1	1	24.06	24.05	24.05	25.5	0.0	
Channel									
Frequency (MHz)				648668	650000	651334	Tune-up	MPR	
				3743.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	24.13	24.11	24.10	25.5	0.0	
Channel									
Frequency (MHz)				648334	650000	651668	Tune-up	MPR	
				3725.01	3750	3763.02	limit (dB)		
50	QPSK	1	1	24.15	24.08	24.10	25.5	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up	MPR	
				3720	3750	3780	limit (dB)		
40	QPSK	1	1	24.09	24.16	24.07	25.5	0.0	
Channel									
Frequency (MHz)				647668	650000	652334	Tune-up	MPR	
				3715.02	3750	3765.01	limit (dB)		
30	QPSK	1	1	24.09	24.13	24.08	25.5	0.0	
Channel									
Frequency (MHz)				647500	650000	652500	Tune-up	MPR	
				3712.5	3750	3772.5	limit (dB)		
25	QPSK	1	1	24.10	24.09	24.12	25.5	0.0	
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up	MPR	
				3710.01	3750	3780.02	limit (dB)		
20	QPSK	1	1	24.08	24.16	24.14	25.5	0.0	
Channel									
Frequency (MHz)				647168	650000	652834	Tune-up	MPR	
				3707.52	3750	3792.51	limit (dB)		
15	QPSK	1	1	24.15	24.13	24.15	25.5	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up	MPR	
				3705	3750	3795	limit (dB)		
10	QPSK	1	1	24.08	24.07	24.08	25.5	0.0	

Part27Q n78 Ant6 DSI 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		20.96			22.5	0.0
100	1/2 BPSK	1	137		20.86				
100	1/2 BPSK	1	271		20.89				
100	1/2 BPSK	135	0		21.06			22.5	0.0
100	1/2 BPSK	135	69		21.04			22.5	0.0
100	1/2 BPSK	135	138		21.07			22.5	0.0
100	1/2 BPSK	270	0		20.94				
100	QPSK	1	1		21.15				
100	QPSK	1	137		20.92			22.5	0.0
100	QPSK	1	271		20.97				
100	QPSK	135	0		20.92			22.5	0.0
100	QPSK	135	69		21.08			22.5	0.0
100	QPSK	135	138		20.92			22.5	0.0
100	QPSK	270	0		20.98				
100	16QAM	1	1		20.92			22.5	0.0
100	64QAM	1	1		21.05			22.5	0.0
100	256QAM	1	1		21.01			22.5	0.0
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up	MPR	
				3486	3500.01	3502.02	limit (dB)		
90	QPSK	1	1	21.12	21.15	21.11	22.5	0.0	
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up	MPR	
				3480.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	21.08	21.11	21.12	22.5	0.0	
Channel									
Frequency (MHz)				632334	633334	634334	Tune-up	MPR	
				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	21.03	21.09	21.15	22.5	0.0	
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up	MPR	
				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	21.13	21.12	21.11	22.5	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up	MPR	
				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	21.09	21.14	21.07	22.5	0.0	
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up	MPR	
				3470.01	3500.01	3533.01	limit (dB)		
40	QPSK	1	1	21.11	21.11	21.18	22.5	0.0	
Channel									
Frequency (MHz)				631000	633334	635668	Tune-up	MPR	
				3468	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	21.15	21.15	21.14	22.5	0.0	
Channel									
Frequency (MHz)				630834	633334	635834	Tune-up	MPR	
				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	21.13	21.12	21.14	22.5	0.0	
Channel									
Frequency (MHz)				630668	633334	636000	Tune-up	MPR	
				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	21.10	21.15	21.08	22.5	0.0	
Channel									
Frequency (MHz)				630500	633334	636168	Tune-up	MPR	
				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	21.11	21.14	21.14	22.5	0.0	
Channel									
Frequency (MHz)				630334	633334	636334	Tune-up	MPR	
				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	21.14	21.10	21.14	22.5	0.0	

Part27Q n78 Ant6 DSI 1 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		23.97			25.5	0.0
100	1/2 BPSK	1	137		23.88				
100	1/2 BPSK	1	271		23.81				
100	1/2 BPSK	135	0		24.00			25.5	0.0
100	1/2 BPSK	135	69		24.00			25.5	0.0
100	1/2 BPSK	135	138		24.13			25.5	0.0
100	1/2 BPSK	270	0		23.96				
100	QPSK	1	1		24.17				
100	QPSK	1	137		23.83			25.5	0.0
100	QPSK	135	271		23.88			25.5	0.0
100	QPSK	135	69		24.03			25.5	0.0
100	QPSK	135	138		24.08			25.5	0.0
100	QPSK	270	0		24.04			25.5	0.0
100	16QAM	1	1		23.86			24.7	0.1
100	16QAM	1	137		24.01				
100	16QAM	1	271		21.50			22.7	2.8
Channel									
Frequency (MHz)				633000	633334	633666			
90	QPSK	1	1	24.12	24.15	24.15	25.5	25.5	0.0
Channel									
Frequency (MHz)				633000	633334	633666			
90	QPSK	1	1	24.11	24.15	24.16	25.5	25.5	0.0
Channel									
Frequency (MHz)				633000	633334	633666			
70	QPSK	1	1	24.11	24.09	24.15	25.5	25.5	0.0
Channel									
Frequency (MHz)				633000	633334	633666			
60	QPSK	1	1	24.11	24.11	24.11	25.5	25.5	0.0
Channel									
Frequency (MHz)				3474.0	3500.01	3525.0			
50	QPSK	1	1	24.16	24.09	24.12	25.5	25.5	0.0
Channel									
Frequency (MHz)				3474.0	3500.01	3525.0			
40	QPSK	1	1	24.10	24.10	24.09	25.5	25.5	0.0
Channel									
Frequency (MHz)				633000	633334	633666			
30	QPSK	1	1	24.05	24.01	24.02	25.5	25.5	0.0
Channel									
Frequency (MHz)				633000	633334	633666			
25	QPSK	1	1	24.04	24.11	24.11	25.5	25.5	0.0
Channel									
Frequency (MHz)				633000	633334	633666			
20	QPSK	1	1	24.07	24.01	24.01	25.5	25.5	0.0
Channel									
Frequency (MHz)				633000	633334	633666			
15	QPSK	1	1	24.09	24.07	24.07	25.5	25.5	0.0
Channel									
Frequency (MHz)				633034	633334	633634			
10	QPSK	1	1	24.09	24.13	24.13	25.5	25.5	0.0



Part96 n48 Ant7 DSI 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)				638000	641666	645332			
				3570	3624.99	3679.98			
40 1/2 BPSK	1	1	1	14.60	14.51	14.63		15.2	0.0
40 1/2 BPSK	1	53	14.64	14.62	14.58				
40 1/2 BPSK	1	104	14.61	14.62	14.59				
40 1/2 BPSK	50	0	14.65	14.61	14.60			15.2	0.0
40 1/2 BPSK	50	26	14.56	14.61	14.66			15.2	0.0
40 1/2 BPSK	50	56	14.61	14.58	14.52			15.2	0.0
40 1/2 BPSK	100	0	14.62	14.59	14.57			15.2	0.0
40 QPSK	1	1	1	14.58	14.72	14.63		15.2	0.0
40 QPSK	1	53	14.57	14.55	14.55				
40 QPSK	1	104	14.54	14.59	14.62				
40 QPSK	50	0	14.63	14.64	14.58			15.2	0.0
40 QPSK	50	26	14.60	14.65	14.65			15.2	0.0
40 QPSK	50	56	14.65	14.61	14.58			15.2	0.0
40 QPSK	100	0	14.62	14.65	14.53			15.2	0.0
40 16QAM	1	1	1	14.57	14.65	14.57		15.2	0.0
40 16QAM	1	1	1	14.59	14.59	14.61		15.2	0.0
40 256QAM	1	1	1	14.50	14.61	14.59		15.2	0.0
Channel				637668	641666	645666	Tune-up limit (dB)	MPR	
30 QPSK	1	1	1	14.52	14.65	14.54		15.2	0.0
Channel				637334	641666	646000	Tune-up limit (dB)	MPR	
20 QPSK	1	1	1	14.50	14.61	14.62		15.2	0.0
Channel				637168	641666	646166	Tune-up limit (dB)	MPR	
15 QPSK	1	1	1	14.49	14.62	14.59		15.2	0.0
Channel				637000	641666	646332	Tune-up limit (dB)	MPR	
10 QPSK	1	1	1	14.52	14.63	14.52		15.2	0.0

Part270 n77 Ant7 DSI 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	15.08	15.00	15.02		16.0	0.0
100	1/2 BPSK	1	137	15.04	15.14	15.00			
100	1/2 BPSK	1	271	15.07	15.03	15.13			
100	1/2 BPSK	135	0	15.08	15.10	15.05		16.0	0.0
100	1/2 BPSK	135	69	15.03	15.10	15.14		16.0	0.0
100	1/2 BPSK	135	138	15.06	15.11	15.04		16.0	0.0
100	1/2 BPSK	270	0	15.07	15.06	14.99		16.0	0.0
100	QPSK	1	1	15.10	15.16	15.08		16.0	0.0
100	QPSK	1	137	14.93	14.98	14.99			
100	QPSK	1	271	15.05	15.08	15.05			
100	QPSK	135	0	15.02	15.06	15.00		16.0	0.0
100	QPSK	135	69	15.03	15.14	15.09		16.0	0.0
100	QPSK	135	138	15.08	15.08	15.12		16.0	0.0
100	QPSK	270	0	14.99	15.07	14.98		16.0	0.0
100	16QAM	1	1	14.94	15.05	15.09		16.0	0.0
100	16QAM	1	1	15.08	15.01	15.05		16.0	0.0
100	256QAM	1	1	15.01	15.03	15.01		16.0	0.0
Channel				646668	656000	662334	Tune-up limit (dB)	MPR	
90	QPSK	1	1	15.05	15.10	15.00		16.0	0.0
Channel				646334	656000	662668	Tune-up limit (dB)	MPR	
80	QPSK	1	1	15.02	15.15	15.03		16.0	0.0
Channel				646000	656000	663000	Tune-up limit (dB)	MPR	
70	QPSK	1	1	15.05	15.13	15.00		16.0	0.0
Channel				646668	656000	663334	Tune-up limit (dB)	MPR	
60	QPSK	1	1	15.04	15.12	15.07		16.0	0.0
Channel				646334	656000	663668	Tune-up limit (dB)	MPR	
50	QPSK	1	1	15.00	15.07	15.02		16.0	0.0
Channel				646000	656000	664000	Tune-up limit (dB)	MPR	
40	QPSK	1	1	15.00	15.13	15.03		16.0	0.0
Channel				647668	656000	664334	Tune-up limit (dB)	MPR	
30	QPSK	1	1	15.07	15.09	15.02		16.0	0.0
Channel				647500	656000	664500	Tune-up limit (dB)	MPR	
25	QPSK	1	1	15.08	15.09	15.05		16.0	0.0
Channel				647334	656000	664668	Tune-up limit (dB)	MPR	
20	QPSK	1	1	15.02	15.09	15.03		16.0	0.0
Channel				647168	656000	664834	Tune-up limit (dB)	MPR	
15	QPSK	1	1	15.03	15.10	15.05		16.0	0.0
Channel				647000	656000	665000	Tune-up limit (dB)	MPR	
10	QPSK	1	1	15.06	15.13	14.99		16.0	0.0

Part270 n77 Ant7 DSI 1 PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100 1/2 BPSK	1	1	1	17.98	17.79	17.93		19.0	0.0
100 1/2 BPSK	1	137	17.90	17.85	17.89				
100 1/2 BPSK	1	271	17.93	17.91	17.89				
100 1/2 BPSK	135	0	17.95	17.98	17.84			19.0	0.0
100 1/2 BPSK	135	69	17.87	17.85	17.93			19.0	0.0
100 1/2 BPSK	135	138	17.85	17.91	17.89			19.0	0.0
100 1/2 BPSK	270	0	17.89	17.87	17.87			19.0	0.0
100 QPSK	1	1	17.94	18.02	17.92			19.0	0.0
100 QPSK	1	137	17.84	17.87	17.79				
100 QPSK	1	271	17.81	17.88	17.95				
100 QPSK	135	0	17.88	17.92	17.89			19.0	0.0
100 QPSK	135	69	17.92	17.98	17.94			19.0	0.0
100 QPSK	135	138	17.92	17.86	17.96			19.0	0.0
100 QPSK	270	0	17.93	17.95	17.92			19.0	0.0
16QAM	1	1	17.84	17.88	17.95			19.0	0.0
16QAM	1	1	17.89	17.85	17.91			19.0	0.0
256QAM	1	1	17.85	17.97	17.84			19.0	0.0
Channel				646668	656000	662334	Tune-up limit (dB)	MPR	
90 QPSK	1	1	1	17.86	17.96	17.82	19.0	0.0	0.0
Channel				646334	656000	662668	Tune-up limit (dB)	MPR	
80 QPSK	1	1	1	17.84	17.85	17.81	19.0	0.0	0.0
Channel				646000	656000	663000	Tune-up limit (dB)	MPR	
70 QPSK	1	1	1	17.85	17.94	17.89	19.0	0.0	0.0
Channel				646668	656000	663334	Tune-up limit (dB)	MPR	
60 QPSK	1	1	1	17.84	17.89	17.84	19.0	0.0	0.0
Channel				646334	656000	663668	Tune-up limit (dB)	MPR	
50 QPSK	1	1	1	17.90	17.97	17.84	19.0	0.0	0.0
Channel				646000	656000	664000	Tune-up limit (dB)	MPR	
40 QPSK	1	1	1	17.84	17.95	17.87	19.0	0.0	0.0
Channel				647668	656000	664334	Tune-up limit (dB)	MPR	
30 QPSK	1	1	1	17.89	17.95	17.83	19.0	0.0	0.0
Channel				647500	656000	664500	Tune-up limit (dB)	MPR	
25 QPSK	1	1	1	17.88	17.98	17.89	19.0	0.0	0.0
Channel				647334	656000	664668	Tune-up limit (dB)	MPR	
20 QPSK	1	1	1	17.90	17.94	17.87	19.0	0.0	0.0
Channel				647168	656000	664834	Tune-up limit (dB)	MPR	
15 QPSK	1	1	1	17.92	18.00	17.88	19.0	0.0	0.0
Channel				647000	656000	665000	Tune-up limit (dB)	MPR	
10 QPSK	1	1	1	17.91	17.99	17.87	19.0	0.0	0.0

Part27Q n77 Ant7 DSI 1									
BW [MHz]	Modulat on	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	1/2 BPSK	1	1		15.20			16.0	0.0
100	1/2 BPSK	1	137		15.20				
100	1/2 BPSK	1	271		15.28				
100	1/2 BPSK	135	0		15.31			16.0	0.0
100	1/2 BPSK	135	69		15.20			16.0	0.0
100	1/2 BPSK	135	138		15.33			16.0	0.0
100	1/2 BPSK	270	0		15.25			16.0	0.0
100	QPSK	1	1		15.41			16.0	0.0
100	QPSK	1	137		15.29				
100	QPSK	1	271		15.32				
100	QPSK	135	0		15.36			16.0	0.0
100	QPSK	135	69		15.38			16.0	0.0
100	QPSK	135	138		15.35			16.0	0.0
100	QPSK	270	0		15.35			16.0	0.0
100	16QAM	1	1		15.27			16.0	0.0
100	16QAM	1	1		15.25			16.0	0.0
100	256QAM	1	1		15.32			16.0	0.0
Channel				633000	633334	633666	16mhz	MPR	
90	QPSK	1	1	15.31	15.33	15.39	16.0	0.0	
Frequency (MHz)				3480.02	3500.01	3510.00	16mhz	MPR	
80	QPSK	1	1	15.36	15.34	15.32	16.0	0.0	
Frequency (MHz)				3480.02	3500.01	3515.01	16mhz	MPR	
70	QPSK	1	1	15.37	15.35	15.33	16.0	0.0	
Frequency (MHz)				3480.02	3500.01	3520.02	16mhz	MPR	
60	QPSK	1	1	15.31	15.30	15.31	16.0	0.0	
Frequency (MHz)				3475.02	3500.01	3525.02	16mhz	MPR	
50	QPSK	1	1	15.30	15.32	15.33	16.0	0.0	
Frequency (MHz)				3470.01	3500.01	3530.01	16mhz	MPR	
40	QPSK	1	1	15.29	15.33	15.40	16.0	0.0	
Channel				631000	633334	635666	16mhz	MPR	
Frequency (MHz)				3465.00	3500.01	3535.02	16mhz	MPR	
30	QPSK	1	1	15.32	15.33	15.37	16.0	0.0	
Channel				630834	633334	635834	16mhz	MPR	
25	QPSK	1	1	3492.51	3500.01	3537.51	16.0	0.0	
Channel				630666	633334	636000	16mhz	MPR	
Frequency (MHz)				3490.02	3500.01	3540.02	16.0	0.0	
20	QPSK	1	1	635000	633334	636666	16mhz	MPR	
Channel				634734	3500.01	354734	16.0	0.0	
15	QPSK	1	1	15.37	15.31	15.32	16.0	0.0	
Channel				630334	633334	636334	16mhz	MPR	
10	QPSK	1	1	635000	3500.01	354000	16.0	0.0	
Channel				630334	15.32	15.32	16.0	0.0	

Part27Q n77 Ant7 DSI 1 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		17.82			19.0	0.0
100	1/2 BPSK	1	137		17.82				
100	1/2 BPSK	1	271		17.85				
100	1/2 BPSK	135	0		17.98			19.0	0.0
100	1/2 BPSK	135	69		17.85			19.0	0.0
100	1/2 BPSK	135	138		17.89				
100	1/2 BPSK	270	0		17.91			19.0	0.0
100	QPSK	1	1		18.01				
100	QPSK	1	137		17.85			19.0	0.0
100	QPSK	1	271		17.90				
100	QPSK	135	0		17.69			19.0	0.0
100	QPSK	135	69		17.96			19.0	0.0
100	QPSK	135	138		17.86			19.0	0.0
100	QPSK	270	0		17.95				
100	16QAM	1	1		17.92			19.0	0.0
100	64QAM	1	1		17.83			19.0	0.0
100	256QAM	1	1		17.95			19.0	0.0
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1		17.96	18.00	17.95	19.0	0.0
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3450.02	3500.01	3510	limit (dB)		
80	QPSK	1	1		17.00	17.95	17.94	19.0	0.0
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1		17.04	17.90	17.92	19.0	0.0
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3490	3500.01	3500.02	limit (dB)		
60	QPSK	1	1		17.06	17.92	17.94	19.0	0.0
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.97	3500.01	3525	limit (dB)		
50	QPSK	1	1		17.07	17.97	17.98	19.0	0.0
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1		17.04	17.90	17.96	19.0	0.0
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3535.01	limit (dB)		
30	QPSK	1	1		18.00	17.99	17.99	19.0	0.0
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1		17.97	17.97	17.95	19.0	0.0
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.00	3500.01	3540	limit (dB)		
20	QPSK	1	1		17.98	17.98	17.94	19.0	0.0
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.51	3500.01	3542.51	limit (dB)		
15	QPSK	1	1		17.95	17.94	17.99	19.0	0.0
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1		17.90	17.93	17.98	19.0	0.0

Part27O n78 Ant7 DSI 1									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		14.55			15.5	0.0
100	1/2 BPSK	1	137		14.60				
100	1/2 BPSK	1	271		14.54				
100	1/2 BPSK	135	0		14.66			15.5	0.0
100	1/2 BPSK	135	69		14.57			15.5	0.0
100	1/2 BPSK	135	138		14.68				
100	1/2 BPSK	270	0		14.62			15.5	0.0
100	QPSK	1	1		14.75				
100	QPSK	1	137		14.60			15.5	0.0
100	QPSK	1	271		14.62				
100	QPSK	135	0		14.68			15.5	0.0
100	QPSK	135	69		14.71			15.5	0.0
100	QPSK	135	138		14.63			15.5	0.0
100	QPSK	270	0		14.65				
100	16QAM	1	1		14.64			15.5	0.0
100	64QAM	1	1		14.57			15.5	0.0
100	256QAM	1	1		14.63			15.5	0.0
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)		
90	QPSK	1	1		14.70	14.71	14.70	15.5	0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1		14.72	14.65	14.69	15.5	0.0
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1		14.66	14.74	14.66	15.5	0.0
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1		14.70	14.65	14.69	15.5	0.0
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3765.02	limit (dB)		
50	QPSK	1	1		14.73	14.67	14.69	15.5	0.0
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1		14.74	14.68	14.65	15.5	0.0
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
30	QPSK	1	1		14.67	14.67	14.69	15.5	0.0
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
25	QPSK	1	1		14.71	14.67	14.73	15.5	0.0
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1		14.73	14.73	14.69	15.5	0.0
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit (dB)		
15	QPSK	1	1		14.67	14.66	14.73	15.5	0.0
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1		14.71	14.65	14.74	15.5	0.0

Part27O n78 Ant7 DSI 1 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1		17.23			18.5	0.0
100	1/2 BPSK	1	137		17.33				
100	1/2 BPSK	1	271		17.29				
100	1/2 BPSK	135	0		17.38			18.5	0.0
100	1/2 BPSK	135	69		17.24			18.5	0.0
100	1/2 BPSK	135	138		17.30				
100	1/2 BPSK	270	0		17.30			18.5	0.0
100	QPSK	1	1		17.36				
100	QPSK	1	137		17.25			18.5	0.0
100	QPSK	1	271		17.30				
100	QPSK	135	0		17.35			18.5	0.0
100	QPSK	135	69		17.37			18.5	0.0
100	QPSK	135	138		17.35			18.5	0.0
100	QPSK	270	0		17.33				
100	16QAM	1	1		17.30			18.5	0.0
100	64QAM	1	1		17.23			18.5	0.0
100	256QAM	1	1		17.35			18.5	0.0
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)		
90	QPSK	1	1		17.27	17.34	17.28	18.5	0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1		17.28	17.32	17.31	18.5	0.0
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1		17.24	17.29	17.23	18.5	0.0
Channel				648666	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1		17.29	17.29	17.29	18.5	0.0
Channel				648332	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
50	QPSK	1	1		17.25	17.30	17.25	18.5	0.0
Channel				647998	650000	652002	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1		17.23	17.24	17.27	18.5	0.0
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
30	QPSK	1	1		17.23	17.28	17.26	18.5	0.0
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710	3750	3790	limit (dB)		
25	QPSK	1	1		17.22	17.27	17.28	18.5	0.0
Channel				647000	650000	652998	Tune-up	MPR	
Frequency (MHz)				3705.01	3750	3800.02	limit (dB)		
20	QPSK	1	1		17.24	17.28	17.21	18.5	0.0
Channel				646668	650000	653334	Tune-up	MPR	
Frequency (MHz)				3700.02	3750	3800.02	limit (dB)		
15	QPSK	1	1		17.27	17.27	17.27	18.5	0.0
Channel				646334	650000	653668	Tune-up	MPR	
Frequency (MHz)				3695.01	3750	3800.02	limit (dB)		
10	QPSK	1	1		17.31	17.37	17.33	18.5	0.0

Part27Q n78 Ant7 DSI 1

BW [MHz]	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	1/2 BPSK	1	1	14.63				
100	1/2 BPSK	1	137	14.76				
100	1/2 BPSK	1	271	14.72			15.5	0.0
100	1/2 BPSK	135	0	14.72			15.5	0.0
100	1/2 BPSK	135	69	14.72			15.5	0.0
100	1/2 BPSK	135	138	14.71			15.5	0.0
100	1/2 BPSK	270	0	14.65			15.5	0.0
100	QPSK	1	1	14.77				
100	QPSK	1	137	14.72			15.5	0.0
100	QPSK	1	271	14.67			15.5	0.0
100	QPSK	135	0	14.71			15.5	0.0
100	QPSK	135	69	14.76			15.5	0.0
100	QPSK	135	138	14.70			15.5	0.0
100	QPSK	270	0	14.65			15.5	0.0
100	16QAM	1	1	14.71			15.5	0.0
100	16QAM	1	1	14.64			15.5	0.0
100	256QAM	1	1	14.74			15.5	0.0
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)	
90	QPSK	1	1	14.69	14.65	14.75	15.5	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	14.69	14.71	14.75	15.5	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	
70	QPSK	1	1	14.69	14.65	14.69	15.5	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1	14.69	14.69	14.74	15.5	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)	
50	QPSK	1	1	14.70	14.73	14.70	15.5	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	
40	QPSK	1	1	14.72	14.73	14.67	15.5	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	
30	QPSK	1	1	14.70	14.70	14.67	15.5	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	
25	QPSK	1	1	14.74	14.69	14.69	15.5	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3460.03	3500.01	3540	limit (dB)	
20	QPSK	1	1	14.85	14.72	14.76	15.5	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	
15	QPSK	1	1	14.76	14.73	14.68	15.5	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	
10	QPSK	1	1	14.75	14.76	14.73	15.5	0.0

Part27Q n78 Ant7 DSI 1 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	17.52				
100	1/2 BPSK	1	137	17.46			18.5	0.0
100	1/2 BPSK	1	271	17.40			18.5	0.0
100	1/2 BPSK	135	0	17.46			18.5	0.0
100	1/2 BPSK	135	69	17.40			18.5	0.0
100	1/2 BPSK	135	138	17.48			18.5	0.0
100	1/2 BPSK	270	0	17.35			18.5	0.0
100	QPSK	1	1	17.49				
100	QPSK	1	137	17.38			18.5	0.0
100	QPSK	1	271	17.42			18.5	0.0
100	QPSK	135	0	17.41			18.5	0.0
100	QPSK	135	69	17.47			18.5	0.0
100	QPSK	135	138	17.39			18.5	0.0
100	QPSK	270	0	17.38			18.5	0.0
100	16QAM	1	1	17.38			18.5	0.0
100	16QAM	1	1	17.36			18.5	0.0
100	256QAM	1	1	17.45			18.5	0.0
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)	
90	QPSK	1	1	17.44	17.44	17.40	18.5	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	17.43	17.43	17.43	18.5	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	
70	QPSK	1	1	17.47	17.44	17.44	18.5	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1	17.45	17.43	17.41	18.5	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)	
50	QPSK	1	1	17.46	17.43	17.41	18.5	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	
40	QPSK	1	1	17.42	17.45	17.41	18.5	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	
30	QPSK	1	1	17.42	17.43	17.38	18.5	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	
25	QPSK	1	1	17.40	17.40	17.47	18.5	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)	
20	QPSK	1	1	17.40	17.39	17.43	18.5	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	
15	QPSK	1	1	17.41	17.40	17.46	18.5	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	
10	QPSK	1	1	17.45	17.45	17.42	18.5	0.0



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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3570	3624.99	3679.98		
Frequency (MHz)								
40 1/2 BPSK	1	1	1	16.61	16.48	16.60		
40 1/2 BPSK	1	53	1	16.64	16.62	16.55	18.0	0.0
40 1/2 BPSK	1	104	1	16.59	16.59	16.64		
40 1/2 BPSK	50	0	1	16.63	16.63	16.62	18.0	0.0
40 1/2 BPSK	50	26	1	16.57	16.62	16.56	18.0	0.0
40 1/2 BPSK	50	56	1	16.60	16.66	16.58	18.0	0.0
40 1/2 BPSK	100	0	1	16.64	16.61	16.62		
40 QPSK	1	1	1	16.65	16.66	16.59		
40 QPSK	1	53	1	16.48	16.59	16.55	18.0	0.0
40 QPSK	1	104	1	16.50	16.55	16.63		
40 QPSK	50	0	1	16.63	16.57	16.58	18.0	0.0
40 QPSK	50	26	1	16.61	16.65	16.61	18.0	0.0
40 QPSK	50	56	1	16.61	16.69	16.59	18.0	0.0
40 QPSK	100	0	1	16.58	16.61	16.56		
40 16QAM	1	1	1	16.62	16.58	16.58	18.0	0.0
40 16QAM	1	1	1	16.58	16.55	16.65	18.0	0.0
40 256QAM	1	1	1	16.09	16.14	16.07	17.5	0.5
Channel				637668	641666	645666	Tune-up	MPR
Frequency (MHz)				3559.02	3624.99	3684.98	limit (dB)	
30 QPSK	1	1	1	16.63	16.59	16.58	18.0	0.0
Channel				637334	641666	646000	Tune-up	MPR
Frequency (MHz)				3559.01	3624.99	3690	limit (dB)	
20 QPSK	1	1	1	16.55	16.66	16.55	18.0	0.0
Channel				637168	641666	646166	Tune-up	MPR
Frequency (MHz)				3557.52	3624.99	3692.49	limit (dB)	
15 QPSK	1	1	1	16.64	16.53	16.51	18.0	0.0
Channel				637000	641666	646332	Tune-up	MPR
Frequency (MHz)				3550	3624.99	3694.99	limit (dB)	
10 QPSK	1	1	1	16.57	16.57	16.57	18.0	0.0

Part270 n77 Ant8 Other PA DSI 1

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100 1/2 BPSK	1	1	1	16.44	16.33	16.40		
100 1/2 BPSK	1	137	1	16.40	16.44	16.33	18.0	0.0
100 1/2 BPSK	1	271	1	16.36	16.35	16.40		
100 1/2 BPSK	135	0	1	16.48	16.39	16.33	18.0	0.0
100 1/2 BPSK	135	69	1	16.36	16.37	16.44	18.0	0.0
100 1/2 BPSK	135	138	1	16.42	16.39	16.37	18.0	0.0
100 1/2 BPSK	270	0	1	16.44	16.41	16.37		
100 QPSK	1	1	1	16.41	16.49	16.47		
100 QPSK	1	137	1	16.30	16.37	16.37	18.0	0.0
100 QPSK	1	271	1	16.37	16.40	16.39		
100 QPSK	135	0	1	16.40	16.37	16.40	18.0	0.0
100 QPSK	135	69	1	16.41	16.45	16.39	18.0	0.0
100 QPSK	135	138	1	16.35	16.40	16.44	18.0	0.0
100 QPSK	270	0	1	16.42	16.43	16.33		
100 16QAM	1	1	1	16.34	16.40	16.46	18.0	0.0
100 16QAM	1	1	1	16.41	16.40	16.42	18.0	0.0
100 256QAM	1	1	1	16.31	16.42	16.35	18.0	0.0
Channel				646668	650000	662334	Tune-up	MPR
Frequency (MHz)				3743.02	3840	3953.01	limit (dB)	
90 QPSK	1	1	1	16.37	16.41	16.42	18.0	0.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)	
80 QPSK	1	1	1	16.39	16.41	16.44	18.0	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit (dB)	
70 QPSK	1	1	1	16.34	16.40	16.45	18.0	0.0
Channel				646668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit (dB)	
60 QPSK	1	1	1	16.33	16.41	16.37	18.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3723.01	3840	3955.02	limit (dB)	
50 QPSK	1	1	1	16.39	16.39	16.40	18.0	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3950	limit (dB)	
40 QPSK	1	1	1	16.36	16.43	16.44	18.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit (dB)	
30 QPSK	1	1	1	16.37	16.41	16.45	18.0	0.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3962.5	limit (dB)	
25 QPSK	1	1	1	16.38	16.40	16.42	18.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3960.02	limit (dB)	
20 QPSK	1	1	1	16.39	16.43	16.41	18.0	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3962.51	limit (dB)	
15 QPSK	1	1	1	16.31	16.40	16.42	18.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3965	limit (dB)	
10 QPSK	1	1	1	16.33	16.43	16.43	18.0	0.0

Part270 n77 Ant8 Other PA DSI 1 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100 1/2 BPSK	1	1	1	19.02	18.82	18.88		
100 1/2 BPSK	1	137	1	18.91	18.94	18.84	21.0	0.0
100 1/2 BPSK	1	271	1	18.90	18.87	18.92		
100 1/2 BPSK	135	0	1	18.95	19.02	19.02	21.0	0.0
100 1/2 BPSK	135	69	1	18.94	18.87	18.98	21.0	0.0
100 1/2 BPSK	135	138	1	19.02	18.90	18.82	21.0	0.0
100 1/2 BPSK	270	0	1	18.88	18.87	18.90		
100 QPSK	1	1	1	19.01	19.06	19.05		
100 QPSK	1	137	1	18.85	18.83	19.02	21.0	0.0
100 QPSK	1	271	1	18.89	18.90	18.97	21.0	0.0
100 QPSK	135	0	1	19.02	18.93	19.02	21.0	0.0
100 QPSK	135	69	1	18.87	19.05	18.97	21.0	0.0
100 QPSK	135	138	1	18.94	19.02	19.02	21.0	0.0
100 QPSK	270	0	1	19.02	19.03	18.90		
100 16QAM	1	1	1	19.02	19.02	18.89	21.0	0.0
100 16QAM	1	1	1	19.02	18.84	18.86	21.0	0.0
100 256QAM	1	1	1	18.92	18.86	19.02	21.0	0.0
Channel				646668	650000	662334	Tune-up	MPR
Frequency (MHz)				3743.02	3840	3953.01	limit (dB)	
90 QPSK	1	1	1	19.01	19.02	19.01	21.0	0.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)	
80 QPSK	1	1	1	19.02	19.01	19.01	21.0	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit (dB)	
70 QPSK	1	1	1	19.02	19.03	19.03	21.0	0.0
Channel				646668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit (dB)	
60 QPSK	1	1	1	19.01	19.02	19.03	21.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3723.01	3840	3955.02	limit (dB)	
50 QPSK	1	1	1	19.04	19.03	19.02	21.0	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3950	limit (dB)	
40 QPSK	1	1	1	19.03	19.04	19.02	21.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit (dB)	
30 QPSK	1	1	1	19.03	19.02	19.04	21.0	0.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3962.5	limit (dB)	
25 QPSK	1	1	1	19.02	19.04	19.04	21.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3960.02	limit (dB)	
20 QPSK	1	1	1	19.02	19.03	19.03	21.0	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3962.51	limit (dB)	
15 QPSK	1	1	1	19.02	19.04	19.03	21.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3965	limit (dB)	
10 QPSK	1	1	1	19.03	19.02	19.02	21.0	0.0

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BW [MHz]	Modulat ion	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 1/2 BPSK	1	1	1		16.16			
100 1/2 BPSK	1	137	1		16.31		18.0	0.0
100 1/2 BPSK	1	271	1		16.20			

Part27Q n77 Ant8 Other PA DSI 1 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	19.28			21.0	0.0
100	1/2 BPSK	1	137	19.48				
100	1/2 BPSK	1	271	19.35				
100	1/2 BPSK	135	0	19.43			21.0	0.0
100	1/2 BPSK	135	69	19.37			21.0	0.0
100	1/2 BPSK	135	138	19.47			21.0	0.0
100	1/2 BPSK	270	0	19.40				
100	QPSK	1	1	19.55				
100	QPSK	1	137	19.41			21.0	0.0
100	QPSK	1	271	19.41				
100	QPSK	135	0	19.45			21.0	0.0
100	QPSK	135	69	19.53			21.0	0.0
100	QPSK	135	138	19.41			21.0	0.0
100	QPSK	270	0	19.45				
100	16QAM	1	1	19.39			21.0	0.0
100	64QAM	1	1	19.41			21.0	0.0
100	256QAM	1	1	19.45			21.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3503.02	limit	(dB)
90	QPSK	1	1	19.53	19.45	19.49	21.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3480.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	19.44	19.53	19.50	21.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3482.01	3500.01	3513.01	limit	(dB)
70	QPSK	1	1	19.53	19.53	19.43	21.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3460	3500.01	3503.02	limit	(dB)
60	QPSK	1	1	19.44	19.44	19.49	21.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3473.02	3500.01	3505	limit	(dB)
50	QPSK	1	1	19.44	19.54	19.45	21.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3503.01	limit	(dB)
40	QPSK	1	1	19.46	19.50	19.48	21.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3468	3500.01	3505.02	limit	(dB)
30	QPSK	1	1	19.51	19.49	19.46	21.0	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3503.51	limit	(dB)
25	QPSK	1	1	19.44	19.48	19.50	21.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3500	limit	(dB)
20	QPSK	1	1	19.44	19.47	19.54	21.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3459.51	3500.01	3502.50	limit	(dB)
15	QPSK	1	1	19.50	19.44	19.49	21.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3504.01	limit	(dB)
10	QPSK	1	1	19.52	19.48	19.45	21.0	0.0

Part27O n78 Ant8 Other PA DSI 1

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	18.22			18.0	0.0
100	1/2 BPSK	1	137	18.33				
100	1/2 BPSK	1	271	18.33				
100	1/2 BPSK	135	0	18.39			18.0	0.0
100	1/2 BPSK	135	69	18.25			18.0	0.0
100	1/2 BPSK	135	138	18.33			18.0	0.0
100	1/2 BPSK	270	0	18.24				
100	QPSK	1	1	18.42				
100	QPSK	1	137	18.24			18.0	0.0
100	QPSK	1	271	18.31				
100	QPSK	135	0	18.33			18.0	0.0
100	QPSK	135	69	18.38			18.0	0.0
100	QPSK	135	138	18.35			18.0	0.0
100	QPSK	270	0	18.30				
100	16QAM	1	1	18.35			18.0	0.0
100	64QAM	1	1	18.24			18.0	0.0
100	256QAM	1	1	18.37			18.0	0.0
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	18.31	18.34	18.35	18.0	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	18.33	18.35	18.34	18.0	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	18.39	18.32	18.32	18.0	0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	18.33	18.32	18.32	18.0	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	18.34	18.37	18.31	18.0	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	18.34	18.37	18.32	18.0	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	18.35	18.35	18.34	18.0	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	18.37	18.32	18.39	18.0	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	18.33	18.31	18.33	18.0	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	18.35	18.38	18.35	18.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	18.40	18.40	18.32	18.0	0.0

Part27O n78 Ant8 Other PA DSI 1 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	18.25			21.0	0.0
100	1/2 BPSK	1	137	18.37				
100	1/2 BPSK	1	271	18.33				
100	1/2 BPSK	135	0	18.39			21.0	0.0
100	1/2 BPSK	135	69	18.26			21.0	0.0
100	1/2 BPSK	135	138	18.34			21.0	0.0
100	1/2 BPSK	270	0	18.29				
100	QPSK	1	1	18.41				
100	QPSK	1	137	18.33			21.0	0.0
100	QPSK	1	271	18.27				
100	QPSK	135	0	18.31			21.0	0.0
100	QPSK	135	69	18.35			21.0	0.0
100	QPSK	135	138	18.32			21.0	0.0
100	QPSK	270	0	18.34				
100	16QAM	1	1	18.30			21.0	0.0
100	64QAM	1	1	18.26			21.0	0.0
100	256QAM	1	1	18.18			21.0	0.0
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	18.38	18.35	18.31	21.0	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	18.33	18.33	18.31	21.0	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	18.33	18.39	18.34	21.0	0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	18.31	18.40	18.35	21.0	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	18.38	18.35	18.38	21.0	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	18.30	18.33	18.32	21.0	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	18.39	18.31	18.39	21.0	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	18.30	18.38	18.31	21.0	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	18.34	18.38	18.40	21.0	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	18.31	18.30	18.39	21.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	18.35	18.38	18.38	21.0	0.0

Part27Q n78 Ant8 Other PA DSI 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		16.23			18.0	0.0
100	1/2 BPSK	1	137		16.31				
100	1/2 BPSK	1	271		16.33				
100	1/2 BPSK	135	0		16.35			18.0	0.0
100	1/2 BPSK	135	69		16.32			18.0	0.0
100	1/2 BPSK	135	138		16.35			18.0	0.0
100	1/2 BPSK	270	0		16.25				
100	QPSK	1	1		16.39				
100	QPSK	1	137		16.25			18.0	0.0
100	QPSK	1	271		16.29				
100	QPSK	135	0		16.25			18.0	0.0
100	QPSK	135	69		16.36			18.0	0.0
100	QPSK	135	138		16.26			18.0	0.0
100	QPSK	270	0		16.34				
100	16QAM	1	1		16.30			18.0	0.0
100	16QAM	1	1		16.30			18.0	0.0
100	256QAM	1	1		16.35			18.0	0.0
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3506.02	limit (dB)		
90	QPSK	1	1		16.30	16.35	16.37	18.0	0.0
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1		16.33	16.31	16.29	18.0	0.0
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1		16.29	16.29	16.38	18.0	0.0
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1		16.29	16.33	16.32	18.0	0.0
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1		16.35	16.33	16.32	18.0	0.0
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1		16.35	16.29	16.31	18.0	0.0
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1		16.31	16.36	16.34	18.0	0.0
Channel				630634	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1		16.38	16.38	16.35	18.0	0.0
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.03	3500.01	3540	limit (dB)		
20	QPSK	1	1		16.33	16.37	16.33	18.0	0.0
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1		16.37	16.34	16.32	18.0	0.0
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1		16.37	16.37	16.31	18.0	0.0

Part27Q n78 Ant8 Other PA DSI 1 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		20.20			21.0	0.0
100	1/2 BPSK	1	137		20.33				
100	1/2 BPSK	1	271		20.31				
100	1/2 BPSK	135	0		20.38			21.0	0.0
100	1/2 BPSK	135	69		20.25			21.0	0.0
100	1/2 BPSK	135	138		20.33			21.0	0.0
100	1/2 BPSK	270	0		20.29				
100	QPSK	1	1		20.36			21.0	0.0
100	QPSK	1	137		20.24				
100	QPSK	1	271		20.26			21.0	0.0
100	QPSK	135	0		20.36			21.0	0.0
100	QPSK	135	69		20.37			21.0	0.0
100	QPSK	135	138		20.29			21.0	0.0
100	QPSK	270	0		20.35				
100	16QAM	1	1		20.31			21.0	0.0
100	16QAM	1	1		20.29			21.0	0.0
100	256QAM	1	1		20.28			21.0	0.0
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3506.02	limit (dB)		
90	QPSK	1	1		20.35	20.29	20.35	21.0	0.0
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1		20.30	20.32	20.32	21.0	0.0
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1		20.33	20.37	20.30	21.0	0.0
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1		20.30	20.34	20.38	21.0	0.0
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1		20.33	20.37	20.34	21.0	0.0
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1		20.34	20.38	20.35	21.0	0.0
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1		20.30	20.36	20.36	21.0	0.0
Channel				630634	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1		20.31	20.28	20.38	21.0	0.0
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1		20.35	20.34	20.36	21.0	0.0
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1		20.32	20.34	20.31	21.0	0.0
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1		20.31	20.37	20.33	21.0	0.0



n5 Ant0 DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	25.07	25.15	25.14		
20	1/2 BPSK	1	53	25.19	25.22	25.16	25.7	0.0
20	1/2 BPSK	1	104	25.20	25.31	25.27		
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5
20	1/2 BPSK	50	28	25.20	25.27	25.19	25.7	0.0
20	1/2 BPSK	50	56	24.61	24.66	24.61		
20	1/2 BPSK	100	0	24.72	24.81	24.76	25.2	0.5
20	QPSK	1	1	25.40	25.42	25.38		
20	QPSK	1	53	25.28	25.36	25.37	25.7	0.0
20	QPSK	1	104	25.36	25.39	25.32		
20	QPSK	50	0	24.40	24.22	24.19	24.7	1.0
20	QPSK	50	28	25.17	25.27	25.28	25.7	0.0
20	QPSK	50	56	24.12	24.18	24.11	24.7	1.0
20	QPSK	100	0	24.31	24.33	24.23	24.7	1.0
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0
20	16QAM	1	1	22.65	22.67	22.64	23.2	2.5
20	16QAM	1	1	20.30	20.40	20.33	21.2	4.5
Channel				166300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	833.5	835.5	limit (dB)	
15	QPSK	1	1	25.39	25.28	25.22	25.7	1.0
Channel				165800	167300	166800	Tune-up	MPR
Frequency (MHz)				829	831.5	834	limit (dB)	
10	QPSK	1	1	25.40	25.23	25.30	25.7	1.0
Channel				165300	167300	166300	Tune-up	MPR
Frequency (MHz)				826.5	828.5	830.5	limit (dB)	
5	QPSK	1	1	25.33	25.33	25.23	25.7	1.0

Reduced Power Mode for SA DSI 2

n7 Ant0 Other PA DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	24.62	24.54	24.56		
40	1/2 BPSK	1	108	24.59	24.65	24.59	25.2	0.0
40	1/2 BPSK	1	214	24.60	24.56	24.60		
40	1/2 BPSK	108	0	24.57	24.58	24.53	25.2	0.0
40	1/2 BPSK	108	54	24.63	24.63	24.67	25.2	0.0
40	1/2 BPSK	108	108	24.53	24.57	24.52	25.2	0.0
40	1/2 BPSK	216	0	24.61	24.65	24.55		
40	QPSK	1	1	24.71	24.77	24.69		
40	QPSK	1	108	24.52	24.64	24.50	25.2	0.0
40	QPSK	1	214	24.66	24.63	24.61		
40	QPSK	108	1	24.10	24.18	24.09	24.7	0.5
40	QPSK	108	54	24.65	24.72	24.61	25.2	0.0
40	QPSK	108	108	24.02	24.12	24.03	24.7	0.5
40	QPSK	216	0	24.13	24.21	24.20		
40	16QAM	1	1	24.23	24.26	24.21	24.7	0.5
40	16QAM	1	1	22.98	22.85	22.99	23.2	2.0
40	16QAM	1	1	20.61	20.63	20.58	21.2	4.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2474.5	2535	2595.5	limit (dB)	
35	QPSK	1	1	24.64	24.70	24.63	25.2	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit (dB)	
30	QPSK	1	1	24.65	24.67	24.62	25.2	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	
25	QPSK	1	1	24.60	24.71	24.67	25.2	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit (dB)	
20	QPSK	1	1	24.61	24.71	24.60	25.2	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	
15	QPSK	1	1	24.61	24.70	24.67	25.2	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit (dB)	
10	QPSK	1	1	24.64	24.74	24.61	25.2	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)	
5	QPSK	1	1	24.66	24.75	24.66	25.2	0.0

n12 Ant0 DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	25.10	25.15	25.08		
15	1/2 BPSK	1	40	24.99	25.07	24.98	25.7	0.0
15	1/2 BPSK	1	77	25.04	25.12	25.02		
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5
15	1/2 BPSK	36	22	25.08	25.11	25.06	25.7	0.0
15	1/2 BPSK	36	43	24.39	24.45	24.43		
15	1/2 BPSK	75	0	24.46	24.54	24.53	25.2	0.5
15	QPSK	1	1	25.14	25.17	25.16		
15	QPSK	1	40	24.95	25.02	24.92	25.7	0.0
15	QPSK	1	77	25.09	25.15	25.09		
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0
15	QPSK	36	43	24.01	24.02	24.00	24.7	1.0
15	QPSK	75	0	23.97	23.96	23.91		
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0
15	16QAM	1	1	22.42	22.49	22.41	23.2	2.5
15	16QAM	1	1	20.50	20.52	20.49	21.2	4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				714	707.5	711.5	limit (dB)	
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit (dB)	
5	QPSK	1	1	25.09	25.14	25.14	25.7	0.0

n26 Ant0 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up unit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	25.16	25.26	25.19		
20	1/2 BPSK	1	53	25.28	25.23	25.23	25.7	0.0
20	1/2 BPSK	1	104	25.26	25.42	25.34		
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5
20	1/2 BPSK	50	28	25.25	25.38	25.27	25.7	0.0
20	1/2 BPSK	50	56	24.72	24.68	24.64		
20	1/2 BPSK	100	0	24.79	24.88	24.84	25.2	0.5
20	QPSK	1	1	25.38	25.44	25.43		
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0
20	QPSK	1	104	25.38	25.37	25.37		
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0
20	QPSK	50	28	25.18	25.37	25.32	25.7	0.0
20	QPSK	50	56	24.17	24.28	24.18	24.7	1.0
20	QPSK	100	0	24.35	24.38	24.34		
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0
20	16QAM	1	1	22.72	22.73	22.86	23.2	2.5
20	16QAM	1	1	20.41	20.42	20.35	21.2	4.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				811.5	831.5	841.5	init	(dB)
15	QPSK	1	1	25.31	25.43	25.37	25.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				810	831.5	844	init	(dB)
10	QPSK	1	1	25.34	25.33	25.33	25.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	init	(dB)
5	QPSK	1	1	25.30	25.35	25.37	25.7	0.0

n66 Ant0 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	0	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	16.53	16.44	16.48		
40	1/2 BPSK	1	108	16.64	16.51	16.55	18.2	0.0
40	1/2 BPSK	1	214	16.63	16.68	16.58		
40	1/2 BPSK	108	0	16.66	16.63	16.46	18.2	0.0
40	1/2 BPSK	108	54	16.60	16.61	16.47	18.2	0.0
40	1/2 BPSK	108	108	16.58	16.58	16.50	18.2	0.0
40	1/2 BPSK	216	0	16.69	16.57	16.68		
40	QPSK	1	1	16.67	16.73	16.59		
40	QPSK	1	108	16.69	16.60	16.47	18.2	0.0
40	QPSK	1	214	16.44	16.60	16.67		
40	QPSK	108	0	16.68	16.51	16.66	18.2	0.0
40	QPSK	108	54	16.45	16.70	16.56	18.2	0.0
40	QPSK	108	108	16.65	16.65	16.66	18.2	0.0
40	QPSK	216	0	16.62	16.68	16.65		
40	16QAM	1	1	16.58	16.50	16.57	18.2	0.0
40	16QAM	1	1	16.53	16.56	16.55	18.2	0.0
40	16QAM	1	1	16.63	16.60	16.60	18.2	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	init	(dB)
35	QPSK	1	1	16.65	16.70	16.42	18.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	init	(dB)
30	QPSK	1	1	16.53	16.69	16.49	18.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	init	(dB)
25	QPSK	1	1	16.65	16.68	16.43	18.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	init	(dB)
20	QPSK	1	1	16.60	16.62	16.40	18.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	init	(dB)
15	QPSK	1	1	16.66	16.69	16.44	18.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	init	(dB)
10	QPSK	1	1	16.61	16.69	16.42	18.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	init	(dB)
5	QPSK	1	1	16.66	16.70	16.39	18.2	0.0

n38 Ant0 Other PA DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	24.11	24.33	24.18	24.7	0.0
40	1/2 BPSK	1	53	24.28	24.23	24.16		
40	1/2 BPSK	1	104	24.28	24.27	24.29		
40	1/2 BPSK	50	0	24.22	24.24	24.08	24.7	0.0
40	1/2 BPSK	50	26	24.15	24.31	24.14	24.7	0.0
40	1/2 BPSK	50	56	24.27	24.20	24.16	24.7	0.0
40	1/2 BPSK	100	0	24.20	24.25	24.16		
40	QPSK	1	1	24.32	24.24	24.23		
40	QPSK	1	53	24.23	24.31	24.19	24.7	0.0
40	QPSK	1	104	24.15	24.11	24.27		
40	QPSK	50	0	24.25	24.22	24.24	24.7	0.0
40	QPSK	50	26	24.08	24.25	24.10	24.7	0.0
40	QPSK	50	56	24.17	24.17	24.25	24.7	0.0
40	QPSK	100	0	24.05	24.25	24.17		
40	16QAM	1	1	24.23	24.13	24.11	24.7	0.0
40	84QAM	1	1	23.05	23.07	22.97	23.2	1.5
40	256QAM	1	1	20.94	21.03	21.00	21.2	3.5
Channel				517002	519000	520998	Tune-up MPR	
30	1/2 BPSK	1	1	24.05	24.24	24.10	24.7	0.0
Channel				516504	519000	521496	Tune-up MPR	
25	1/2 BPSK	1	1	24.05	24.24	24.13	24.7	0.0
Channel				516000	519000	522000	Tune-up MPR	
20	1/2 BPSK	1	1	24.02	24.22	24.10	24.7	0.0
Channel				515502	519000	522498	Tune-up MPR	
15	1/2 BPSK	1	1	24.01	24.24	24.03	24.7	0.0
Channel				515004	519000	522996	Tune-up MPR	
10	1/2 BPSK	1	1	24.03	24.24	24.13	24.7	0.0

n41 Ant0 Other PA DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	24.19	24.32	24.08		
100	1/2 BPSK	1	137	24.21	24.16	24.25	24.7	0.0
100	1/2 BPSK	1	271	24.26	24.28	24.21		
100	1/2 BPSK	135	0	24.28	24.16	24.06	24.7	0.0
100	1/2 BPSK	135	69	24.20	24.30	24.10	24.7	0.0
100	1/2 BPSK	135	138	24.23	24.21	24.14	24.7	0.0
100	1/2 BPSK	270	0	24.26	24.28	24.23		
100	QPSK	1	1	24.20	24.29	24.22		
100	QPSK	1	137	24.19	24.19	24.16	25.4	0.0
100	QPSK	1	271	24.16	24.13	24.31		
100	QPSK	135	0	24.16	24.15	24.13	24.7	0.0
100	QPSK	135	69	24.16	24.26	24.10	24.7	0.0
100	QPSK	135	138	24.27	24.23	24.27	24.7	0.0
100	QPSK	270	0	24.16	24.27	24.20		
100	16QAM	1	1	24.24	24.15	24.12	24.7	0.0
100	84QAM	1	1	22.99	23.01	22.99	23.2	1.5
100	256QAM	1	1	20.92	21.00	20.98	21.2	3.5
Channel				508200	518598	528996	Tune-up MPR	
80	1/2 BPSK	1	1	24.11	24.02	24.14	24.7	0.0
Channel				507204	518598	529998	Tune-up MPR	
80	1/2 BPSK	1	1	24.15	24.24	24.02	24.7	0.0
Channel				506202	518598	531000	Tune-up MPR	
70	1/2 BPSK	1	1	24.09	24.21	24.02	24.7	0.0
Channel				505200	518598	531996	Tune-up MPR	
60	1/2 BPSK	1	1	24.15	24.25	23.99	24.7	0.0
Channel				504204	518598	532998	Tune-up MPR	
50	1/2 BPSK	1	1	24.14	24.29	24.05	24.7	0.0
Channel				503202	518598	534000	Tune-up MPR	
40	1/2 BPSK	1	1	24.10	24.23	24.07	24.7	0.0
Channel				502200	518598	534996	Tune-up MPR	
30	1/2 BPSK	1	1	24.16	24.25	24.04	24.7	0.0
Channel				501204	518598	535998	Tune-up MPR	
25	1/2 BPSK	1	1	24.15	24.25	24.00	24.7	0.0
Channel				500700	518598	536496	Tune-up MPR	
15	1/2 BPSK	1	1	24.16	24.27	24.04	24.7	0.0
Channel				500202	518598	537000	Tune-up MPR	
10	1/2 BPSK	1	1	24.13	24.26	24.01	24.7	0.0



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n5 Ant1 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	25.04	25.17	25.05	25.7	0.0	
20	1/2 BPSK	1	53	25.04	25.11	25.05			
20	1/2 BPSK	1	104	25.03	25.07	25.01			
20	1/2 BPSK	50	0	24.57	24.61	24.59	25.2	0.5	
20	1/2 BPSK	50	28	25.05	25.15	25.14	25.7	0.0	
20	1/2 BPSK	50	56	24.55	24.59	24.55			
20	1/2 BPSK	100	0	24.58	24.67	24.57	25.2	0.5	
20	QPSK	1	1	25.16	25.21	25.11			
20	QPSK	1	53	25.04	25.11	25.03	25.7	0.0	
20	QPSK	1	104	25.11	25.17	25.13			
20	QPSK	50	0	24.05	24.11	24.03	24.7	1.0	
20	QPSK	50	28	25.08	25.11	25.02	25.7	0.0	
20	QPSK	50	56	23.95	24.02	23.97	24.7	1.0	
20	QPSK	100	0	24.01	24.12	24.01			
20	16QAM	1	1	24.11	24.14	24.04	24.7	1.0	
20	16QAM	1	1	22.57	22.61	22.57	23.2	2.5	
20	256QAM	1	1	20.34	20.43	20.41	21.2	4.5	
Channel				168300	167300	168300	Tune-up	MPR	
15	QPSK	1	1	23.15	23.35	23.15	limit (dB)		
15	QPSK	1	1	23.09	23.10	23.08	25.7	0.0	
Channel				165800	167300	166800	Tune-up	MPR	
10	QPSK	1	1	23.10	23.15	23.1	limit (dB)		
10	QPSK	1	1	23.09	23.13	23.05	25.7	0.0	
Channel				165300	167300	166300	Tune-up	MPR	
5	QPSK	1	1	23.05	23.15	23.04	25.7	0.0	

n7 Ant1 Other PA DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	21.63	21.67	21.57			
40	1/2 BPSK	1	108	21.77	21.67	21.75	22.2	0.0	
40	1/2 BPSK	1	214	21.66	21.65	21.69			
40	1/2 BPSK	108	0	21.71	21.68	21.56	22.2	0.0	
40	1/2 BPSK	108	54	21.68	21.74	21.62	22.2	0.0	
40	1/2 BPSK	108	108	21.64	21.75	21.65	22.2	0.0	
40	1/2 BPSK	216	0	21.74	21.60	21.80			
40	QPSK	1	1	21.75	21.67	21.70			
40	QPSK	1	108	21.67	21.71	21.63	22.2	0.0	
40	QPSK	1	214	21.69	21.66	21.81			
40	QPSK	108	0	21.66	21.70	21.72	22.2	0.0	
40	QPSK	108	54	21.65	21.65	21.58	22.2	0.0	
40	QPSK	108	108	21.76	21.70	21.66	22.2	0.0	
40	QPSK	216	0	21.57	21.63	21.62			
40	16QAM	1	1	21.64	21.58	21.63	22.2	0.0	
40	16QAM	1	1	21.74	21.69	21.63	22.2	0.0	
40	256QAM	1	1	20.88	20.76	20.67	21.2	1.0	
Channel				503200	507000	510500	Tune-up	MPR	
35	QPSK	1	1	21.65	21.63	21.63	22.2	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
30	QPSK	1	1	21.71	21.76	21.60	22.2	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
25	QPSK	1	1	21.63	21.78	21.65	22.2	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
20	QPSK	1	1	21.67	21.77	21.60	22.2	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
15	QPSK	1	1	21.66	21.78	21.63	22.2	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
10	QPSK	1	1	21.65	21.85	21.63	22.2	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
5	QPSK	1	1	21.71	21.80	21.66	22.2	0.0	

n12 Ant1 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	1/2 BPSK	1	1	24.92	24.98	24.95			
15	1/2 BPSK	1	40	24.85	24.91	24.81	25.7	0.0	
15	1/2 BPSK	1	77	24.85	24.90	24.83			
15	1/2 BPSK	36	0	24.27	24.37	24.35	25.2	0.5	
15	1/2 BPSK	36	22	24.81	24.87	24.78	25.7	0.0	
15	1/2 BPSK	36	43	24.27	24.30	24.29	25.2	0.5	
15	1/2 BPSK	75	0	24.31	24.37	24.29			
15	QPSK	1	1	24.91	25.01	25.00			
15	QPSK	1	40	24.92	24.95	24.92	25.7	0.0	
15	QPSK	1	77	24.93	24.95	24.85			
15	QPSK	36	0	23.91	23.94	23.84	24.7	1.0	
15	QPSK	36	22	24.88	24.92	24.84	25.7	0.0	
15	QPSK	36	43	23.72	23.80	23.70	24.7	1.0	
15	QPSK	75	0	23.84	23.91	23.81			
15	16QAM	1	1	23.89	23.85	23.86	24.7	1.0	
15	16QAM	1	1	22.25	22.32	22.29	23.2	2.5	
15	256QAM	1	1	20.38	20.37	20.35	21.2	4.5	
Channel				140800	141500	142200	Tune-up	MPR	
15	QPSK	1	1	24.74	24.75	24.71	limit (dB)		
10	QPSK	1	1	24.84	24.92	24.85	25.7	0.0	
Channel				140300	141500	142700	Tune-up	MPR	
5	QPSK	1	1	24.82	24.95	24.97	25.7	0.0	

n26 Ant1 DSI2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	1/2 BPSK	1	1	25.23	25.22	25.12			
20	1/2 BPSK	1	53	25.14	25.21	25.08	25.7	0.0	
20	1/2 BPSK	1	104	25.06	25.13	25.04			
20	1/2 BPSK	50	0	24.66	24.64	24.70	25.2	0.5	
20	1/2 BPSK	50	28	25.10	25.18	25.18	25.7	0.0	
20	1/2 BPSK	50	56	24.62	24.63	24.64			
20	1/2 BPSK	100	0	24.62	24.76	24.60	25.2	0.5	
20	QPSK	1	1	25.22	25.31	25.17			
20	QPSK	1	53	25.12	25.21	25.09	25.7	0.0	
20	QPSK	1	104	25.14	25.27	25.16			
20	QPSK	50	0	24.12	24.18	24.06	24.7	1.0	
20	QPSK	50	28	25.12	25.15	25.04	25.7	0.0	
20	QPSK	50	56	24.04	24.08	24.05	24.7	1.0	
20	QPSK	100	0	24.10	24.17	24.06			
Channel				164300	166300	166300	Tune-up	MPR	
15	QPSK	1	1	23.15	23.15	23.15	limit (dB)		
15	QPSK	1	1	23.11	23.09	23.12	25.7	0.0	
Channel				163800	166300	166800	Tune-up	MPR	
10	QPSK	1	1	23.12	23.15	23.1	limit (dB)		
10	QPSK	1	1	23.15	23.27	23.09	25.7	0.0	
Channel				163300	166300	166300	Tune-up	MPR	
5	QPSK	1	1	23.14	23.30	23.09	25.7	0.0	

n66 Ant1 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq. 346000	Power Middle Ch./ Freq. 349000	Power High Ch./ Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760	19.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	1761	1755	1757			
40	1/2 BPSK	1	108	1759	1759	1752			
40	1/2 BPSK	1	214	1762	1758	1762	19.0	0.0	
40	1/2 BPSK	108	0	1763	1763	1760			
40	1/2 BPSK	108	54	1764	1761	1760			
40	1/2 BPSK	108	108	1759	1761	1755			
40	1/2 BPSK	216	0	1764	1754	1755	19.0	0.0	
40	QPSK	1	1	1759	1772	1763			
40	QPSK	1	108	1749	1757	1758			
40	QPSK	1	214	1754	1765	1768			
40	QPSK	108	0	1764	1768	1768	19.0	0.0	
40	QPSK	108	54	1761	1771	1767			
40	QPSK	108	108	1766	1760	1767			
40	QPSK	216	0	1753	1763	1753			
40	16QAM	1	1	1758	1758	1759	18.0	0.0	
40	16QAM	1	1	1765	1755	1761			
40	256QAM	1	1	1736	1742	1735			
Channel				345000	349000	352000	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1727.5	limit (dB)		
35	QPSK	1	1	1750	1769	1758	19.0	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit (dB)		
30	QPSK	1	1	1753	1766	1762	19.0	0.0	
Channel				344000	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	QPSK	1	1	1750	1768	1754	19.0	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	1754	1769	1757	19.0	0.0	
Channel				343000	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5 <th>1745</th> <th>1772.5</th> <th>limit (dB)</th> <th colspan="2"></th>	1745	1772.5	limit (dB)		
15	QPSK	1	1	1748	1763	1761	19.0	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715 <th>1745</th> <th>1775</th> <th>limit (dB)</th> <th colspan="2"></th>	1745	1775	limit (dB)		
10	QPSK	1	1	1757	1763	1758	19.0	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5 <th>1745</th> <th>1777.5</th> <th>limit (dB)</th> <th colspan="2"></th>	1745	1777.5	limit (dB)		
5	QPSK	1	1	1750	1767	1761	19.0	0.0	



n38 Ant1 Other PA DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2590.02	2595	2599.98				
40	1/2 BPSK	1	1	21.80	21.96	21.70				
40	1/2 BPSK	1	53	21.79	21.85	21.84				
40	1/2 BPSK	1	104	21.81	21.81	21.87				
40	1/2 BPSK	50	0	21.82	21.87	21.84	22.2	0.0		
40	1/2 BPSK	50	28	21.86	21.94	21.65				
40	1/2 BPSK	50	56	21.83	21.75	21.77				
40	1/2 BPSK	100	0	21.85	21.90	21.86	22.2	0.0		
40	QPSK	1	1	21.89	21.95	21.81				
40	QPSK	1	53	21.83	21.84	21.72				
40	QPSK	1	104	21.76	21.73	21.81				
40	QPSK	50	0	21.81	21.80	21.87	22.2	0.0		
40	QPSK	50	28	21.73	21.92	21.89				
40	QPSK	50	56	21.84	21.86	21.77	22.2	0.0		
40	QPSK	100	0	21.88	21.89	21.77				
40	16QAM	1	1	21.84	21.77	21.73	22.2	0.0		
40	16QAM	1	1	21.77	21.76	21.77	22.2	0.0		
40	256QAM	1	1	20.79	20.81	20.74	21.2	1.0		
Channel				517002	519000	520998	Tune-up	MPR		
Frequency (MHz)				2585.01	2595	2604.99	limit (dB)			
30	1/2 BPSK	1	1	21.74	21.86	21.67	22.2	0.0		
Channel				516804	519000	521496	Tune-up	MPR		
Frequency (MHz)				2582.52	2595	2607.48	limit (dB)			
25	1/2 BPSK	1	1	21.70	21.93	21.68	22.2	0.0		
Channel				516000	519000	522000	Tune-up	MPR		
Frequency (MHz)				2580	2595	2610	limit (dB)			
20	1/2 BPSK	1	1	21.72	21.91	21.67	22.2	0.0		
Channel				515802	519000	522498	Tune-up	MPR		
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)			
15	1/2 BPSK	1	1	21.75	21.89	21.63	22.2	0.0		
Channel				515004	519000	522996	Tune-up	MPR		
Frequency (MHz)				2575.02	2595	2614.98	limit (dB)			
10	1/2 BPSK	1	1	21.79	21.92	21.67	22.2	0.0		

n41 Ant1 Other PA DSI 2										
BW [MHz]	Module ion	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)				2546.01	2592.99	26400				
100	1/2 BPSK	1	1	21.30	21.30	21.17				
100	1/2 BPSK	1	137	21.28	21.32	21.37	22.2	0.0		
100	1/2 BPSK	1	271	21.25	21.38	21.32				
100	1/2 BPSK	135	0	21.43	21.30	21.12	22.2	0.0		
100	1/2 BPSK	135	69	21.32	21.24	21.13				
100	1/2 BPSK	135	138	21.37	21.30	21.25	22.2	0.0		
100	1/2 BPSK	270	0	21.28	21.20	21.37				
100	QPSK	1	1	21.31	20.46	21.20				
100	QPSK	1	137	21.29	21.45	21.21	22.2	0.0		
100	QPSK	1	271	21.11	21.27	21.37				
100	QPSK	135	0	21.34	21.31	21.38	22.2	0.0		
100	QPSK	135	69	21.28	21.42	21.28	22.2	0.0		
100	QPSK	135	138	21.28	21.31	21.36	22.2	0.0		
100	QPSK	270	0	21.17	21.40	21.25				
100	16QAM	1	1	21.28	21.20	21.33	22.2	0.0		
100	16QAM	1	1	21.30	21.25	21.31	22.2	0.0		
100	256QAM	1	1	21.28	21.27	21.40	22.2	0.0		
Channel				508200	518598	528996	Tune-up	MPR		
Frequency (MHz)				2541	2592.99	2644.99	limit (dB)			
90	QPSK	1	1	21.20	21.39	21.15				
Channel				507204	518598	529998	Tune-up	MPR		
Frequency (MHz)				2536.02	2592.99	2643.99	limit (dB)			
80	QPSK	1	1	21.29	21.39	21.16				
Channel				506202	518598	531000	Tune-up	MPR		
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)			
70	QPSK	1	1	21.29	21.45	21.15				
Channel				505200	518598	531996	Tune-up	MPR		
Frequency (MHz)				2526	2592.99	2659.99	limit (dB)			
60	QPSK	1	1	21.27	21.44	21.12				
Channel				504204	518598	532998	Tune-up	MPR		
Frequency (MHz)				2521.02	2592.99	2664.99	limit (dB)			
50	QPSK	1	1	21.25	21.37	21.18	22.2	0.0		
Channel				503202	518598	534000	Tune-up	MPR		
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)			
40	QPSK	1	1	21.22	21.42	21.12	22.2	0.0		
Channel				502200	518598	534996	Tune-up	MPR		
Frequency (MHz)				2511	2592.99	2674.99	limit (dB)			
30	QPSK	1	1	21.20	21.42	21.17	22.2	0.0		
Channel				502200	518598	534996	Tune-up	MPR		
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)			
25	QPSK	1	1	21.30	21.37	21.14	22.2	0.0		
Channel				501204	518598	535998	Tune-up	MPR		
Frequency (MHz)				2501.02	2592.99	2689.99	limit (dB)			
20	QPSK	1	1	21.29	21.43	21.12	22.2	0.0		
Channel				500700	518598	536496	Tune-up	MPR		
Frequency (MHz)				2500.5	2592.99	2689.48	limit (dB)			
15	QPSK	1	1	21.20	21.37	21.15	22.2	0.0		
Channel				500202	518598	537000	Tune-up	MPR		
Frequency (MHz)				2501.01	2592.99	2694	limit (dB)			
10	QPSK	1	1	21.28	21.37	21.14	22.2	0.0		

Part96 n48 Ant1 DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)				3570	3624.99	3679.98				
40	1/2 BPSK	1	1	22.06	22.11	22.00				
40	1/2 BPSK	1	53	22.12	22.15	22.05	23.8	0.0		
40	1/2 BPSK	1	104	22.01	22.06	22.00				
40	1/2 BPSK	50	0	21.73	21.77	21.69	23.3	0.5		
40	1/2 BPSK	50	28	21.92	21.88	21.91	23.8	0.0		
40	1/2 BPSK	50	56	21.69	21.77	21.69	23.3	0.5		
40	1/2 BPSK	100	0	21.67	21.74	21.70				
40	QPSK	1	1	22.23	22.27	22.25				
40	QPSK	1	53	21.97	22.07	21.96	23.8	0.0		
40	QPSK	1	104	21.96	22.04	21.98				
40	QPSK	50	0	21.15	21.25	21.23	22.8	1.0		
40	QPSK	50	28	22.18	22.22	22.15	23.8	0.0		
40	QPSK	50	56	21.22	21.24	21.18	22.8	1.0		
40	QPSK	100	0	21.19	21.25	21.16				
40	16QAM	1	1	21.08	21.12	21.01	22.8	1.0		
40	16QAM	1	1	19.59	19.63	19.58	21.3	2.5		
40	256QAM	1	1	17.56	17.62	17.59	19.3	4.5		
Channel				637688	641666	645686	Tune-up	MPR		
Frequency (MHz)				3583.02	3624.99	3684.99	limit (dB)			
30	QPSK	1	1	22.13	22.23	22.15	23.8	0.0		
Channel				637168	641666	645616	Tune-up	MPR		
Frequency (MHz)				3587.52	3624.99	3629.49	limit (dB)			
15	QPSK	1	1	22.21	22.21	22.21	23.8	0.0		
Channel				637016	641666	646332	Tune-up	MPR		
Frequency (MHz)				3584.59	3624.99	3624.59	limit (dB)			
10	QPSK	1	1	22.16	22.17	22.17	23.8	0.0		



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BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	1	24.12	24.17	24.14		
100	1/2 BPSK	1	137	24.28	24.15	24.16		
100	1/2 BPSK	1	271	24.14	24.22	24.26		
100	1/2 BPSK	135	0	24.32	24.15	24.15	25.0	0.0
100	1/2 BPSK	135	69	24.20	24.26	24.12		
100	1/2 BPSK	135	138	24.19	24.13	24.11		
100	1/2 BPSK	270	0	24.28	24.18	24.20	25.0	0.0
100	QPSK	1	1	24.25	24.34	24.13		
100	QPSK	1	137	24.22	24.28	24.08		
100	QPSK	1	271	24.02	24.09	24.28		
100	QPSK	135	0	24.14	24.18	24.27	25.0	0.0
100	QPSK	135	69	24.19	24.32	24.20		
100	QPSK	135	138	24.23	24.23	24.31		
100	QPSK	270	0	24.11	24.26	24.20	25.0	0.0
100	16QAM	1	1	24.26	24.13	24.08	25.0	0.0
100	16QAM	1	1	24.25	24.15	24.18	25.0	0.0
100	256QAM	1	1	21.47	21.50	21.45	23.7	1.8
Channel								
Frequency (MHz)								
90	QPSK	1	1	649688	656000	662334	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01		
90	QPSK	1	1	24.14	24.32	24.04		
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	656000	662668	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	3740.01	3750	3760.02		
80	QPSK	1	1	24.24	24.25	24.09		
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	656000	663000	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	3735	3740	3745		
70	QPSK	1	1	24.19	24.22	24.08		
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	656000	663334	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	3730.02	3740	3750.01		
60	QPSK	1	1	24.24	24.23	24.04		
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	656000	663668	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	3725.01	3730	3735.02		
50	QPSK	1	1	24.20	24.28	24.04	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	656000	664000	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	3720	3740	3760		
40	QPSK	1	1	24.18	24.32	24.06	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	656000	664334	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	3715.02	3740	3765.01		
30	QPSK	1	1	24.16	24.25	24.10	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	647500	656000	664500	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	3710.01	3740	3760.02		
25	QPSK	1	1	24.19	24.28	24.12	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	656000	664668	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	3705.01	3740	3765.02		
20	QPSK	1	1	24.19	24.26	24.10	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647168	656000	664834	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	3700.02	3740	3765.01		
15	QPSK	1	1	24.22	24.30	24.11	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	656000	665000	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	3705	3740	3765		
10	QPSK	1	1	24.16	24.28	24.07	25.0	0.0

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BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		3500.01			
100	1/2 BPSK	1	1		20.29			
100	1/2 BPSK	1	137		20.34		22.0	0.0
100	1/2 BPSK	1	271		20.34			
100	1/2 BPSK	135	0		20.22		22.0	0.0
100	1/2 BPSK	135	69		20.26			
100	1/2 BPSK	135	138		20.23			
100	1/2 BPSK	270	0		20.24		22.0	0.0
100	QPSK	1	1		20.50			
100	QPSK	1	137		20.40		22.0	0.0
100	QPSK	1	271		20.30			
100	QPSK	135	0		20.26		22.0	0.0
100	QPSK	135	69		20.46			
100	QPSK	135	138		20.28		22.0	0.0
100	QPSK	270	0		20.42			
100	16QAM	1	1		20.15		22.0	0.0
100	16QAM	1	1		20.29		22.0	0.0
100	256QAM	1	1		20.32		22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02		
90	QPSK	1	1	20.40	20.45	20.40		
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	3490.02	3500.01	3510		
80	QPSK	1	1	20.43	20.41	20.45		
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	3485.01	3500.01	3515.01		
70	QPSK	1	1	20.39	20.46	20.44		
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	3480	3500.01	3520.02		
60	QPSK	1	1	20.43	20.43	20.43	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.48	20.43	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	3470.01	3500.01	3530.01		
40	QPSK	1	1	20.46	20.41	20.43	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	3465	3500.01	3535.02		
30	QPSK	1	1	20.39	20.42	20.40	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	630834	633334	635834	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	3460.01	3500.01	3530.01		
25	QPSK	1	1	20.47	20.40	20.40	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	3455.02	3500.01	3540		
20	QPSK	1	1	20.45	20.42	20.48	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630500	633334	636168	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	3450.01	3500.01	3540.02		
15	QPSK	1	1	20.44	20.44	20.40	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	3445.01	3500.01	3545.01		
10	QPSK	1	1	20.43	20.43	20.41	22.0	0.0

Part27Q n77 Ant1 Other PA DSI 2 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	H2 BPSK	1	1	23.57			25.0	0.0
100	H2 BPSK	1	1	23.57			25.0	0.0
100	H2 BPSK	135	137	23.65			25.0	0.0
100	H2 BPSK	135	0	23.54			25.0	0.0
100	H2 BPSK	135	69	23.61			25.0	0.0
100	H2 BPSK	135	135	23.61			25.0	0.0
100	H2 BPSK	270	0	23.58			25.0	0.0
100	QPSK	1	1	23.57			25.0	0.0
100	QPSK	1	137	23.65			25.0	0.0
100	QPSK	135	137	23.65			25.0	0.0
100	QPSK	135	0	23.57			25.0	0.0
100	QPSK	135	69	23.67			25.0	0.0
100	QPSK	135	135	23.65			25.0	0.0
100	QPSK	270	0	23.60			25.0	0.0
100	16QAM	1	1	23.57			25.0	0.0
100	16QAM	1	137	23.65			25.0	0.0
100	25QAM	1	1	24.41			23.2	1.8
Channel								
Frequency (MHz)				63500				
90	H2 BPSK	1	1	33.00	63533.4	63566	25.0	0.0
90	H2 BPSK	1	1	23.66	23.60	23.63	25.0	0.0
90	H2 BPSK	1	1	23.53	23.57	23.59	25.0	0.0
Frequency (MHz)				3490.02				
100	QPSK	1	1	23.65	23.66	23.65	25.0	0.0
100	QPSK	1	1	23.65	23.66	23.65	25.0	0.0
Frequency (MHz)				3485.01				
70	QPSK	1	1	23.65	23.67	23.60	25.0	0.0
70	QPSK	1	1	23.65	23.67	23.60	25.0	0.0
Frequency (MHz)				3490				
60	QPSK	1	1	23.64	23.65	23.64	25.0	0.0
60	QPSK	1	1	23.64	23.65	23.64	25.0	0.0
Channel								
50	QPSK	1	1	23.64	23.67	23.62	25.0	0.0
50	QPSK	1	1	23.64	23.67	23.62	25.0	0.0
Channel								
Frequency (MHz)				3470.01				
50	QPSK	1	1	23.64	23.67	23.62	25.0	0.0
50	QPSK	1	1	23.64	23.67	23.62	25.0	0.0
Channel								
Frequency (MHz)				63100				
30	QPSK	1	1	3485	3500.01	3515.02	25.0	0.0
30	QPSK	1	1	33.69	33.65	33.63	25.0	0.0
30	QPSK	1	1	63084	63533.4	63564	25.0	0.0
30	QPSK	1	1	34251	3500.01	3515.01	25.0	0.0
25	QPSK	1	1	23.69	23.63	23.65	25.0	0.0
25	QPSK	1	1	63068	63533.4	63500	25.0	0.0
Channel								
Frequency (MHz)				3490.02				
20	QPSK	1	1	3490.02	3500.01	3490.02	25.0	0.0
20	QPSK	1	1	3490.02	3500.01	3490.02	25.0	0.0
Channel								
Frequency (MHz)				63500				
15	QPSK	1	1	63475	63533.4	63468	25.0	0.0
15	QPSK	1	1	23.67	23.66	23.58	25.0	0.0
15	QPSK	1	1	63034	63533.4	63534	25.0	0.0
15	QPSK	1	1	23.67	23.66	23.58	25.0	0.0
10	QPSK	1	1	23.58	23.60	23.63	25.0	0.0

Part270 n78 Ant1 Other PA DSI 2									
PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	23.54				24.5	0.0
100	1/2 BPSK	1	137	23.51					
100	1/2 BPSK	1	271	23.66					
100	1/2 BPSK	135	0	23.52				24.5	0.0
100	1/2 BPSK	135	69	23.56				24.5	0.0
100	1/2 BPSK	135	138	23.61				24.5	0.0
100	1/2 BPSK	270	0	23.48					
100	QPSK	1	1	23.70					
100	QPSK	1	137	23.69				24.5	0.0
100	QPSK	1	271	23.60					
100	QPSK	135	0	23.60				24.5	0.0
100	QPSK	135	69	23.68				24.5	0.0
100	QPSK	135	138	23.56				24.5	0.0
100	QPSK	270	0	23.61					
100	16QAM	1	1	23.59				24.5	0.0
100	64QAM	1	1	23.58				24.5	0.0
100	256QAM	1	1	22.16				23.2	1.3
Channel				649668	650000	650334	Tune-up MPR		
Frequency (MHz)				3743.02	3750	3763.01	limit (dB)		
90	QPSK	1	1	23.02	23.63	23.60	24.5	0.0	
Channel				649334	650000	650668	Tune-up MPR		
Frequency (MHz)				3740.01	3750	3763.02	limit (dB)		
80	QPSK	1	1	23.61	23.61	23.69	24.5	0.0	
Channel				649000	650000	651000	Tune-up MPR		
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	23.60	23.60	23.65	24.5	0.0	
Channel				648668	650000	651334	Tune-up MPR		
Frequency (MHz)				3733.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	23.04	23.63	23.63	24.5	0.0	
Channel				648334	650000	651668	Tune-up MPR		
Frequency (MHz)				3728.01	3750	3763.02	limit (dB)		
50	QPSK	1	1	23.62	23.61	23.60	24.5	0.0	
Channel				648000	650000	652000	Tune-up MPR		
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	23.99	23.61	23.64	24.5	0.0	
Channel				647668	650000	652334	Tune-up MPR		
Frequency (MHz)				3718.02	3750	3785.01	limit (dB)		
30	QPSK	1	1	23.61	23.66	23.63	24.5	0.0	
Channel				647500	650000	652500	Tune-up MPR		
Frequency (MHz)				3718.5	3750	3787.5	limit (dB)		
25	QPSK	1	1	23.60	23.63	23.66	24.5	0.0	
Channel				647334	650000	652668	Tune-up MPR		
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1	23.65	23.63	23.63	24.5	0.0	
Channel				647168	650000	652834	Tune-up MPR		
Frequency (MHz)				3707.52	3750	3792.51	limit (dB)		
15	QPSK	1	1	23.61	23.61	23.68	24.5	0.0	
Channel				647000	650000	653000	Tune-up MPR		
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1	23.67	23.63	23.68	24.5	0.0	

Part27Q n78 Ant1 Other PA DSI 2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	20.81				21.5	0.0
100	1/2 BPSK	1	137	20.86					
100	1/2 BPSK	1	271	20.84					
100	1/2 BPSK	135	0	20.91				21.5	0.0
100	1/2 BPSK	135	69	20.86				21.5	0.0
100	1/2 BPSK	135	138	20.86				21.5	0.0
100	1/2 BPSK	270	0	20.83					
100	QPSK	1	1	21.04					
100	QPSK	1	137	21.03				21.5	0.0
100	QPSK	1	271	20.86					
100	QPSK	135	0	20.93				21.5	0.0
100	QPSK	135	69	21.02				21.5	0.0
100	QPSK	135	138	20.97				21.5	0.0
100	QPSK	270	0	20.94					
100	16QAM	1	1	20.75				21.5	0.0
100	64QAM	1	1	20.92				21.5	0.0
100	256QAM	1	1	20.91				21.5	0.0
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	20.95	20.94	20.98	21.5	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	20.93	20.95	20.99	21.5	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3488.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	20.77	21.00	20.94	21.5	0.0	
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	20.97	20.97	20.99	21.5	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3478.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	20.93	20.94	20.95	21.5	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	20.99	21.00	21.02	21.5	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3460	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	21.03	20.95	21.00	21.5	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3452.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	20.97	20.95	20.93	21.5	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	20.93	21.00	20.97	21.5	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	21.03	21.02	20.97	21.5	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	20.97	20.99	21.00	21.5	0.0	

Part27Q n78 Ant1 Other PA DSI 2 PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	23.73				24.5	0.0
100	1/2 BPSK	1	137	23.82					
100	1/2 BPSK	1	271	23.85					
100	1/2 BPSK	135	0	23.86				24.5	0.0
100	1/2 BPSK	135	69	23.81				24.5	0.0
100	1/2 BPSK	135	138	23.73				24.5	0.0
100	1/2 BPSK	270	0	23.68					
100	QPSK	1	1	23.95					
100	QPSK	1	137	23.90			24.5	0.0	
100	QPSK	1	271	23.79					
100	QPSK	135	0	23.70			24.5	0.0	
100	QPSK	135	69	23.82			24.5	0.0	
100	QPSK	135	138	23.75			24.5	0.0	
100	QPSK	270	0	23.91					
100	16QAM	1	1	23.75			24.5	0.0	
100	64QAM	1	1	23.78			24.5	0.0	
100	256QAM	1	1	22.61			23.2	1.3	
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	23.89	23.90	23.87	24.5	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	23.92	23.88	23.90	24.5	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	23.95	23.87	23.88	24.5	0.0	
Channel				631998	633000	634000	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	23.85	23.90	23.87	24.5	0.0	
Channel				631662	633000	634000	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	23.91	23.89	23.84	24.5	0.0	
Channel				631326	633000	634000	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	23.93	23.85	23.80	24.5	0.0	
Channel				630990	633000	634000	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	23.93	23.85	23.79	24.5	0.0	
Channel				630654	633334	635000	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
20	QPSK	1	1	23.9	23.84	23.83	24.5	0.0	
Channel				630318	633334	636000	Tune-up MPR		
Frequency (MHz)				3460	3500.01	3540	limit (dB)		
10	QPSK	1	1	23.85	23.85	23.81	24.5	0.0	
Channel				629982	633334	636668	Tune-up MPR		
Frequency (MHz)				3455	3500.01	3545.68	limit (dB)		
15	QPSK	1	1	23.93	23.85	23.79	24.5	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3450.00	3500.01	3550.00	limit (dB)		
10	QPSK	1	1	23.87	23.87	23.84	24.5	0.0	

n2 Ant5 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1880	1890			
Frequency (MHz)									
40	1/2 BPSK	1	1	21.35	21.29	21.42	22.3	0.0	
40	1/2 BPSK	1	108	21.35	21.42	21.39			
40	1/2 BPSK	1	214	21.36	21.43	21.49			
40	1/2 BPSK	108	0	21.50	21.32	21.28			
40	1/2 BPSK	108	54	21.32	21.41	21.34	22.3	0.0	
40	1/2 BPSK	108	108	21.42	21.32	21.26	22.3	0.0	
40	1/2 BPSK	216	0	21.47	21.27	21.35			
40	QPSK	1	1	21.39	21.52	21.34			
40	QPSK	1	108	21.50	21.49	21.41	22.3	0.0	
40	QPSK	1	214	21.31	21.29	21.45			
40	QPSK	108	0	21.38	21.35	21.41	22.3	0.0	
40	QPSK	108	54	21.31	21.49	21.36	22.3	0.0	
40	QPSK	108	108	21.36	21.46	21.40	22.3	0.0	
40	QPSK	216	0	21.27	21.51	21.46			
40	16QAM	1	1	21.43	21.33	21.32	22.3	0.0	
40	16QAM	1	1	21.41	21.33	21.33	22.3	0.0	
40	256QAM	1	1	19.92	19.61	19.51	20.8	1.5	
Channel				375000	376000	378500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1887.5	1890	1927.5	limit (dB)		
35	QPSK	1	1	21.33	21.44	21.33	22.3	0.0	
Channel				378000	376000	379000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1885	1890	1895	limit (dB)		
30	QPSK	1	1	21.31	21.51	21.33	22.3	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1937.5	limit (dB)		
25	QPSK	1	1	21.29	21.42	21.24	22.3	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1890	1900	limit (dB)		
20	QPSK	1	1	21.29	21.50	21.23	22.3	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1890	1902.5	limit (dB)		
15	QPSK	1	1	21.31	21.43	21.24	22.3	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1855	1890	1905	limit (dB)		
10	QPSK	1	1	21.32	21.51	21.26	22.3	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1890	1907.5	limit (dB)		
5	QPSK	1	1	21.35	21.44	21.23	22.3	0.0	

n7 Ant5 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	21.23	21.19	21.12	21.7	0.0	
40	1/2 BPSK	1	108	21.26	21.27	21.24			
40	1/2 BPSK	1	214	21.18	21.20	21.16			
40	1/2 BPSK	108	0	21.21	21.19	21.15			
40	1/2 BPSK	108	54	21.12	21.15	21.16	21.7	0.0	
40	1/2 BPSK	108	108	21.15	21.22	21.10	21.7	0.0	
40	1/2 BPSK	216	0	21.20	21.12	21.16			
40	QPSK	1	1	21.23	21.35	21.10			
40	QPSK	1	108	21.15	21.28	21.22	21.7	0.0	
40	QPSK	1	214	21.12	21.15	21.27			
40	QPSK	108	0	21.13	21.11	21.23	21.7	0.0	
40	QPSK	108	54	21.05	21.34	21.11	21.7	0.0	
40	QPSK	108	108	21.23	21.22	21.20	21.7	0.0	
40	QPSK	216	0	21.19	21.31	21.25			
40	16QAM	1	1	21.17	21.15	21.21	21.7	0.0	
40	16QAM	1	1	21.25	21.22	21.07	21.7	0.0	
40	256QAM	1	1	20.58	20.66	20.58	21.2	0.5	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	21.15	21.29	21.07	21.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555	limit (dB)		
30	QPSK	1	1	21.13	21.32	21.00	21.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	21.17	21.29	21.05	21.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	1/2 BPSK	1	1	21.13	21.26	21.07	21.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	21.14	21.30	21.08	21.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	limit (dB)		
10	QPSK	1	1	21.14	21.26	21.00	21.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	21.13	21.28	21.00	21.7	0.0	

n66 Ant5 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	22.49	22.51	22.48	23.2	0.0	
40	1/2 BPSK	1	108	22.56	22.66	22.60			
40	1/2 BPSK	1	214	22.58	22.69	22.59			
40	1/2 BPSK	108	0	22.70	22.59	22.51			
40	1/2 BPSK	108	54	22.54	22.62	22.54	23.2	0.0	
40	1/2 BPSK	108	108	22.66	22.64	22.56	23.2	0.0	
40	1/2 BPSK	216	0	22.70	22.55	22.64			
40	QPSK	1	1	22.70	22.71	22.56			
40	QPSK	1	108	22.67	22.65	22.48	23.2	0.0	
40	QPSK	1	214	22.50	22.47	22.57			
40	QPSK	108	0	22.59	22.53	22.64	23.2	0.0	
40	QPSK	108	54	22.64	22.65	22.61	23.2	0.0	
40	QPSK	108	108	22.64	22.64	22.59	23.2	0.0	
40	QPSK	216	0	22.50	22.61	22.58			
40	16QAM	1	1	22.66	22.52	22.54	23.2	0.0	
40	16QAM	1	1	22.55	22.49	22.55	23.2	0.0	
40	256QAM	1	1	20.46	20.55	20.50	21.2	2.0	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)		
35	QPSK	1	1	22.52	22.50	22.51	23.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	limit (dB)		
30	QPSK	1	1	22.54	22.61	22.48	23.2	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	QPSK	1	1	22.07	22.64	22.53	23.2	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	22.69	22.67	22.49	23.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)		
15	QPSK	1	1	22.65	22.69	22.53	23.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	limit (dB)		
10	QPSK	1	1	22.68	22.62	22.48	23.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)		
5	QPSK	1	1	22.62	22.66	22.52	23.2	0.0	

n38 Ant5 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	20.89	20.85	20.99	21.7	0.0	
40	1/2 BPSK	1	53	21.10	21.01	21.03			
40	1/2 BPSK	1	104	21.08	20.99	21.10			
40	1/2 BPSK	50	0	21.07	21.02	20.92			
40	1/2 BPSK	50	28	21.06	21.03	20.95	21.7	0.0	
40	1/2 BPSK	50	56	20.96	21.02	20.91	21.7	0.0	
40	1/2 BPSK	100	0	21.05	20.89	20.98	21.7	0.0	
40	QPSK	1	1	21.11	21.08	21.06			
40	QPSK	1	53	21.06	21.02	20.98			
40	QPSK	1	104	20.85	20.96	21.10			
40	QPSK	50	0	20.93	20.97	20.96	21.7	0.0	
40	QPSK	50	28	21.08	21.12	21.04	21.7	0.0	
40	QPSK	50	56	21.04	20.95	21.05	21.7	0.0	
40	QPSK	100	0	21.01	21.07	20.92	21.7	0.0	
40	16QAM	1	1	21.07	20.86	20.99			
40	64QAM	1	1	20.96	20.95	20.96			
40	256QAM	1	1	20.54	20.95	20.53			
Channel				517002	519000	520998	Tune-up MPR		
Frequency (MHz)				2583.01	2595	2604.99	limit (dB)		
30	QPSK	1	1	21.06	21.07	20.92	21.7	0.0	
Channel				516504	519000	521498	Tune-up MPR		
Frequency (MHz)				2582.52	2595	2607.48	limit (dB)		
25	QPSK	1	1	21.07	21.08	20.92	21.7	0.0	
Channel				516000	519000	522000	Tune-up MPR		
Frequency (MHz)				2580	2595	2610	limit (dB)		
20	QPSK	1	1	21.00	21.13	20.92	21.7	0.0	
Channel				515502	519000	522498	Tune-up MPR		
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)		
15	QPSK	1	1	21.05	21.07	21.03	21.7	0.0	
Channel				515004	519000	522996	Tune-up MPR		
Frequency (MHz)				2575.02	2595	2614.98	limit (dB)		
10	QPSK	1	1	21.04	21.10	20.99	21.7	0.0	

n41 n51 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	1/2 BPSK	1	1	20.41	20.24	20.28	21.2	0.0	
100	1/2 BPSK	1	137	20.50	20.46	20.43			
100	1/2 BPSK	1	271	20.37	20.39	20.40			
100	1/2 BPSK	135	0	20.53	20.45	20.35			
100	1/2 BPSK	135	69	20.47	20.41	20.33	21.2	0.0	
100	1/2 BPSK	135	138	20.41	20.39	20.32	21.2	0.0	
100	1/2 BPSK	270	0	20.45	20.25	20.44	21.2	0.0	
100	QPSK	1	1	20.38	20.57	20.36			
100	QPSK	1	137	20.37	20.39	20.38			
100	QPSK	1	271	20.34	20.36	20.37			
100	QPSK	135	0	20.41	20.43	20.40	21.2	0.0	
100	QPSK	135	69	20.27	20.53	20.42	21.2	0.0	
100	QPSK	135	138	20.38	20.43	20.47	21.2	0.0	
100	QPSK	270	0	20.38	20.68	20.40	21.2	0.0	
100	16QAM	1	1	20.49	20.31	20.29			
100	64QAM	1	1	20.40	20.37	20.38			
100	256QAM	1	1	20.43	20.41	20.47			
Channel				508200	518898	529896	Tune-up MPR		
Frequency (MHz)				2541	2592.99	2644.98	limit (dB)		
90	QPSK	1	1	20.34	20.46	20.27	21.2	0.0	
Channel				507204	518898	529896	Tune-up MPR		
Frequency (MHz)				2538.02	2592.99	2648.99	limit (dB)		
80	QPSK	1	1	20.35	20.50	20.31	21.2	0.0	
Channel				506202	518898	531000	Tune-up MPR		
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)		
70	QPSK	1	1	20.33	20.53	20.31	21.2	0.0	
Channel				505200	518898	531896	Tune-up MPR		
Frequency (MHz)				2526	2592.99	2658.98	limit (dB)		
60	QPSK	1	1	20.27	20.53	20.29	21.2	0.0	
Channel				504204	518898	532998	Tune-up MPR		
Frequency (MHz)				2521.02	2592.99	2654.99	limit (dB)		
50	QPSK	1	1	20.34	20.48	20.26	21.2	0.0	
Channel				503202	518898	534000	Tune-up MPR		
Frequency (MHz)				2518.01	2592.99	2660	limit (dB)		
40	QPSK	1	1	20.33	20.51	20.32	21.2	0.0	
Channel				502200	518898	534996	Tune-up MPR		
Frequency (MHz)				2511	2592.99	2674.98	limit (dB)		
30	QPSK	1	1	20.29	20.54	20.30	21.2	0.0	
Channel				502200	518898	534996	Tune-up MPR		
Frequency (MHz)				2511	2592.99	2674.98	limit (dB)		
25	QPSK	1	1	20.35	20.51	20.28	21.2	0.0	
Channel				501204	518898	535998	Tune-up MPR		
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)		
20	QPSK	1	1	20.37	20.51	20.25	21.2	0.0	
Channel				500700	518898	536496	Tune-up MPR		
Frequency (MHz)				2500.5	2592.99	2689.48	limit (dB)		
15	QPSK	1	1	20.35	20.54	20.29	21.2	0.0	
Channel				500202	518898	537000	Tune-up MPR		
Frequency (MHz)				2501.01	2592.99	2685	limit (dB)		
10	QPSK	1	1	20.30	20.55	20.32	21.2	0.0	

n2 Ant6 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	21.79	21.59	21.72		23.2	0.0
40	1/2 BPSK	1	108	21.76	21.77	21.63			
40	1/2 BPSK	1	214	21.67	21.68	21.69			
40	1/2 BPSK	108	0	21.72	21.75	21.84	23.2	0.0	
40	1/2 BPSK	108	54	21.66	21.73	21.77	23.2	0.0	
40	1/2 BPSK	108	108	21.69	21.69	21.68	23.2	0.0	
40	1/2 BPSK	216	0	21.75	21.70	21.70			
40	QPSK	1	1	21.80	21.84	21.78			
40	QPSK	1	108	21.62	21.66	21.61	23.2	0.0	
40	QPSK	1	214	21.62	21.65	21.71			
40	QPSK	108	0	21.70	21.70	21.64	23.2	0.0	
40	QPSK	108	54	21.68	21.80	21.77	23.2	0.0	
40	QPSK	108	108	21.70	21.73	21.89	23.2	0.0	
40	QPSK	216	0	21.65	21.76	21.63			
40	16QAM	1	1	21.64	21.72	21.71	23.2	0.0	
40	16QAM	1	1	20.96	21.04	20.98	22.7	0.5	
40	256QAM	1	1	19.91	19.96	19.93	20.7	2.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)		
35	QPSK	1	1	21.78	21.77	21.68	23.2	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1895	limit (dB)		
30	QPSK	1	1	21.78	21.76	21.73	23.2	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1897.5	limit (dB)		
25	QPSK	1	1	21.74	21.70	21.65	23.2	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1880	1900	limit (dB)		
20	QPSK	1	1	21.73	21.81	21.65	23.2	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5	limit (dB)		
15	QPSK	1	1	21.74	21.83	21.71	23.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1855	1880	1905	limit (dB)		
10	QPSK	1	1	21.72	21.78	21.69	23.2	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1880	1907.5	limit (dB)		
5	QPSK	1	1	21.75	21.77	21.69	23.2	0.0	

n7 Ant6 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	20.91	20.89	20.96			
40	1/2 BPSK	1	108	21.02	20.99	20.97	21.7	0.0	
40	1/2 BPSK	1	214	20.99	21.03	20.95			
40	1/2 BPSK	108	0	21.11	20.95	20.82	21.7	0.0	
40	1/2 BPSK	108	54	20.96	21.00	20.93	21.7	0.0	
40	1/2 BPSK	108	108	21.01	20.97	20.97	21.7	0.0	
40	1/2 BPSK	216	0	21.05	20.91	20.95			
40	QPSK	1	1	21.01	21.14	21.04			
40	QPSK	1	108	21.05	20.99	20.89	21.7	0.0	
40	QPSK	1	214	20.86	21.01	21.00			
40	QPSK	108	0	20.94	21.05	20.94	21.7	0.0	
40	QPSK	108	54	20.86	21.12	21.00	21.7	0.0	
40	QPSK	108	108	20.99	20.98	21.07	21.7	0.0	
40	QPSK	216	0	20.90	21.11	20.95			
40	16QAM	1	1	20.93	20.95	20.97	21.7	0.0	
40	16QAM	1	1	21.04	20.91	20.88	21.7	0.0	
40	256QAM	1	1	20.01	20.08	19.99	21.2	0.5	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	20.99	21.11	20.94	21.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555	limit (dB)		
30	QPSK	1	1	20.95	21.05	20.97	21.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	20.92	21.06	20.99	21.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	QPSK	1	1	20.99	21.04	20.95	21.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	20.97	21.05	20.98	21.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	limit (dB)		
10	QPSK	1	1	20.95	21.07	20.99	21.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	20.92	21.06	20.93	21.7	0.0	

n66 Ant6 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	21.65	21.65	21.64			
40	1/2 BPSK	1	108	21.73	21.70	21.63	23.2	0.0	
40	1/2 BPSK	1	214	21.69	21.65	21.66			
40	1/2 BPSK	108	0	21.75	21.77	21.61	23.2	0.0	
40	1/2 BPSK	108	54	21.63	21.72	21.52	23.2	0.0	
40	1/2 BPSK	108	108	21.74	21.73	21.64	23.2	0.0	
40	1/2 BPSK	216	0	21.70	21.66	21.76			
40	QPSK	1	1	21.78	21.83	21.80			
40	QPSK	1	108	21.71	21.79	21.65	23.2	0.0	
40	QPSK	1	214	21.66	21.67	21.71			
40	QPSK	108	0	21.68	21.75	21.66	23.2	0.0	
40	QPSK	108	54	21.74	21.80	21.70	23.2	0.0	
40	QPSK	108	108	21.79	21.79	21.77	23.2	0.0	
40	QPSK	216	0	21.67	21.78	21.66			
40	16QAM	1	1	21.75	21.68	21.64	23.2	0.0	
40	16QAM	1	1	21.62	21.70	21.68	23.2	0.0	
40	256QAM	1	1	19.53	19.61	19.56	21.2	2.0	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)		
35	QPSK	1	1	21.77	21.79	21.73	0.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	limit (dB)		
30	QPSK	1	1	21.70	21.79	21.75	23.2	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	QPSK	1	1	21.69	21.82	21.74	23.2	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	21.71	21.80	21.70	23.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)		
15	QPSK	1	1	21.73	21.80	21.78	23.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	limit (dB)		
10	QPSK	1	1	21.73	21.81	21.75	23.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)		
5	QPSK	1	1	21.69	21.81	21.76	23.2	0.0	



n38 Ant6 DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2590.02	2595	2599.98				
40	1/2 BPSK	1	1	20.61	20.60	20.55		21.5	0.0	
40	1/2 BPSK	1	53	20.68	20.61	20.50				
40	1/2 BPSK	1	104	20.56	20.55	20.65				
40	1/2 BPSK	50	0	20.70	20.65	20.44	21.5	0.0		
40	1/2 BPSK	50	28	20.57	20.67	20.48	21.5	0.0		
40	1/2 BPSK	50	56	20.57	20.64	20.52	21.5	0.0		
40	1/2 BPSK	100	0	20.70	20.48	20.67	21.5	0.0		
40	QPSK	1	1	20.74	20.75	20.61				
40	QPSK	1	53	20.68	20.62	20.59	21.5	0.0		
40	QPSK	1	104	20.63	20.65	20.66				
40	QPSK	50	0	20.56	20.64	20.52	21.5	0.0		
40	QPSK	50	28	20.47	20.72	20.61	21.5	0.0		
40	QPSK	50	56	20.62	20.64	20.58	21.5	0.0		
40	QPSK	100	0	20.52	20.68	20.65				
40	16QAM	1	1	20.67	20.56	20.59	21.5	0.0		
40	16QAM	1	1	20.63	20.58	20.54	21.5	0.0		
40	256QAM	1	1	19.90	19.98	19.92	21.0	0.5		
Channel				517002	519000	520998	Tune-up limit (dB)	MPR (dB)		
30	QPSK	1	1	20.69	20.65	20.58	21.5	0.0		
Channel				516604	519000	521496	Tune-up limit (dB)	MPR (dB)		
25	QPSK	1	1	20.70	20.65	20.59	21.5	0.0		
Channel				516000	519000	522000	Tune-up limit (dB)	MPR (dB)		
20	QPSK	1	1	20.63	20.63	20.53	21.5	0.0		
Channel				515602	519000	522498	Tune-up limit (dB)	MPR (dB)		
15	QPSK	1	1	20.69	20.72	20.51	21.5	0.0		
Channel				515004	519000	522996	Tune-up limit (dB)	MPR (dB)		
10	QPSK	1	1	20.64	20.69	20.52	21.5	0.0		

n41 Ant6 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				509202	518598	528000			
100	1/2 BPSK	1	1	20.23	20.10	20.13	21.7	0.0	
100	1/2 BPSK	1	137	20.21	20.20	20.14			
100	1/2 BPSK	1	271	20.17	20.14	20.16			
100	1/2 BPSK	135	0	20.20	20.16	20.16	21.7	0.0	
100	1/2 BPSK	135	69	20.16	20.13	20.21	21.7	0.0	
100	1/2 BPSK	135	138	20.17	20.15	20.12	21.7	0.0	
100	1/2 BPSK	270	0	20.18	20.15	20.15			
100	QPSK	1	1	20.18	20.27	20.21	21.7	0.0	
100	QPSK	1	137	20.08	20.13	20.07			
100	QPSK	1	271	20.14	20.19	20.20			
100	QPSK	135	0	20.16	20.16	20.09	21.7	0.0	
100	QPSK	135	69	20.18	20.24	20.19	21.7	0.0	
100	QPSK	135	138	20.14	20.13	20.22	21.7	0.0	
100	QPSK	270	0	20.15	20.21	20.08			
100	16QAM	1	1	20.12	20.12	20.20	21.7	0.0	
100	16QAM	1	1	20.19	20.09	20.17	21.7	0.0	
100	256QAM	1	1	20.13	20.15	20.15	21.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up limit (dB)	MPR (dB)	
90	QPSK	1	1	20.12	20.22	20.12	21.7	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dB)	MPR (dB)	
80	QPSK	1	1	20.17	20.18	20.14	21.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dB)	MPR (dB)	
70	QPSK	1	1	20.09	20.18	20.15	21.7	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up limit (dB)	MPR (dB)	
60	QPSK	1	1	20.15	20.25	20.18	21.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dB)	MPR (dB)	
50	QPSK	1	1	20.16	20.21	20.15	21.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dB)	MPR (dB)	
40	QPSK	1	1	20.07	20.20	20.14	21.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up limit (dB)	MPR (dB)	
30	QPSK	1	1	20.10	20.19	20.19	21.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up limit (dB)	MPR (dB)	
25	QPSK	1	1	20.08	20.21	20.11	21.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535996	Tune-up limit (dB)	MPR (dB)	
20	QPSK	1	1	20.12	20.16	20.12	21.7	0.0	
Channel									
Frequency (MHz)				500700	518598	536496	Tune-up limit (dB)	MPR (dB)	
15	QPSK	1	1	20.14	20.22	20.13	21.7	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up limit (dB)	MPR (dB)	
10	QPSK	1	1	20.10	20.19	20.11	21.7	0.0	

Part96 n48 Ant6 DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)				3570	3624.99	3679.98				
40	1/2 BPSK	1	1	19.88	19.89	19.91		21.5	0.0	
40	1/2 BPSK	1	53	20.01	20.01	20.09				
40	1/2 BPSK	1	104	19.97	20.02	20.01				
40	1/2 BPSK	50	0	20.12	20.02	19.89	21.5	0.0		
40	1/2 BPSK	50	28	20.03	20.00	19.89	21.5	0.0		
40	1/2 BPSK	50	56	19.99	19.99	19.89	21.5	0.0		
40	1/2 BPSK	100	0	20.09	19.89	20.01				
40	QPSK	1	1	20.11	20.16	20.04				
40	QPSK	1	53	20.06	20.01	19.89	21.5	0.0		
40	QPSK	1	104	19.96	19.97	19.99				
40	QPSK	50	0	19.93	20.13	19.96	21.5	0.0		
40	QPSK	50	28	19.93	20.02	19.97	21.5	0.0		
40	QPSK	50	56	19.99	19.96	20.03	21.5	0.0		
40	QPSK	100	0	19.92	20.05	19.95				
40	16QAM	1	1	20.03	19.92	20.01	21.5	0.0		
40	16QAM	1	1	19.90	20.02	19.89	21.5	0.0		
40	256QAM	1	1	19.48	19.93	19.48	21.0	0.5		
Channel										
Frequency (MHz)				637668	641666	645666	Tune-up limit (dB)	MPR (dB)		
30	QPSK	1	1	20.04	20.07	19.99	21.5	0.0		
Channel										
Frequency (MHz)				637334	641666	646000	Tune-up limit (dB)	MPR (dB)		
20	QPSK	1	1	20.02	20.05	19.96	21.5	0.0		
Channel										
Frequency (MHz)				637168	641666	646166	Tune-up limit (dB)	MPR (dB)		
15	QPSK	1	1	20.00	20.14	19.99	21.5	0.0		
Channel										
Frequency (MHz)				637000	641666	646332	Tune-up limit (dB)	MPR (dB)		
10	QPSK	1	1	20.09	20.12	19.95	21.5	0.0		

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Part270 n77 Ant6 DSI 2 PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3750	3840	3930			
100	1/2 BPSK	1	1	23.11	23.04	23.08		24.5	0.0
100	1/2 BPSK	1	137	23.18	23.12	23.07			
100	1/2 BPSK	1	271	23.06	23.08	23.18			
100	1/2 BPSK	135	0	23.09	23.08	22.96	24.5		
100	1/2 BPSK	135	69	23.07	23.07	23.01	24.5	0.0	0.0
100	1/2 BPSK	135	135	23.13	23.12	23.04	24.5		
100	1/2 BPSK	270	0	23.08	22.96	23.18			
100	QPSK	1	1	23.22	23.26	23.34			
100	QPSK	1	137	23.15	23.14	23.11		24.5	0.0
100	QPSK	1	271	22.98	23.11	23.16			
100	QPSK	135	0	23.08	23.09	23.34	24.5		
100	QPSK	135	69	23.00	23.24	23.06	24.5		
100	QPSK	135	135	23.05	23.16	23.18	24.5	0.0	0.0
100	QPSK	270	0	23.02	23.16	23.13			
100	16QAM	1	1	23.10	23.02	23.08	24.5		
100	16QAM	1	1	23.07	23.01	23.07	24.5		
100	256QAM	1	1	20.80	20.86	20.76	22.5	0.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	649688	656000	662334	Tune-up MPR		
90	QPSK	1	1	3742.02	3840	3940.02	limit (dB)		
90	QPSK	1	1	23.14	23.21	23.02	24.5		
80	QPSK	1	1	649334	656000	662668	Tune-up MPR		
80	QPSK	1	1	3740.01	3840	3940.02	limit (dB)	24.5	0.0
80	QPSK	1	1	23.19	23.24	23.01			
80	QPSK	1	1	649000	656000	663000	Tune-up MPR		
80	QPSK	1	1	3725	3840	3945	limit (dB)		
70	QPSK	1	1	23.14	23.19	22.99	24.5	0.0	0.0
70	QPSK	1	1	648668	656000	663334	Tune-up MPR		
70	QPSK	1	1	3720.02	3840	3950.01	limit (dB)		
70	QPSK	1	1	23.16	23.21	22.97	24.5		
60	QPSK	1	1	648334	656000	663668	Tune-up MPR	24.5	0.0
60	QPSK	1	1	3722.01	3840	3952.02	limit (dB)		
60	QPSK	1	1	23.14	23.23	22.97	24.5		
60	QPSK	1	1	648000	656000	664000	Tune-up MPR		
50	QPSK	1	1	3720	3840	3950	limit (dB)	24.5	0.0
50	QPSK	1	1	23.18	23.21	22.94	24.5		
50	QPSK	1	1	647668	656000	664334	Tune-up MPR		
50	QPSK	1	1	3716.02	3840	3956.01	limit (dB)		
40	QPSK	1	1	647500	656000	664500	Tune-up MPR	24.5	0.0
40	QPSK	1	1	23.19	23.20	22.98	24.5		
40	QPSK	1	1	647334	656000	664668	Tune-up MPR		
40	QPSK	1	1	3712.01	3840	3959.02	limit (dB)		
30	QPSK	1	1	647168	656000	664834	Tune-up MPR	24.5	0.0
30	QPSK	1	1	23.18	23.17	22.97	24.5		
30	QPSK	1	1	647334	656000	664668	Tune-up MPR		
30	QPSK	1	1	3710.01	3840	3959.02	limit (dB)		
25	QPSK	1	1	647168	656000	664834	Tune-up MPR	24.5	0.0
25	QPSK	1	1	23.17	23.16	23.01	24.5		
25	QPSK	1	1	647000	656000	665000	Tune-up MPR		
25	QPSK	1	1	3705	3840	3955	limit (dB)		
10	QPSK	1	1	23.20	23.18	23.03	24.5	0.0	0.0
10	QPSK	1	1	647000	656000	665000	Tune-up MPR		
10	QPSK	1	1	3705	3840	3955	limit (dB)		
10	QPSK	1	1	23.20	23.18	23.03	24.5		

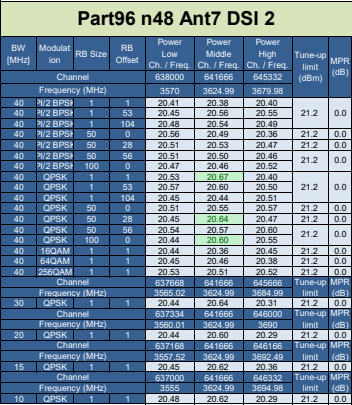
Part270Q n77 Ant6 DSI 2											
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	1/2 BPSK	1	1		19.81			21.5	0.0		
100	1/2 BPSK	1	1		19.86						
100	1/2 BPSK	1	137		19.85						
100	1/2 BPSK	1	271		19.81						
100	1/2 BPSK	135	0		19.89		21.5	0.0	0.0		
100	1/2 BPSK	135	69		19.91						
100	1/2 BPSK	135	138		19.74		21.5				
100	1/2 BPSK	270	0		20.01						
100	QPSK	1	1		20.06			21.5	0.0		
100	QPSK	1	137		19.89						
100	QPSK	1	271		19.87						
100	QPSK	135	0		20.04		21.5				
100	QPSK	135	69		19.85		21.5	0.0	0.0		
100	QPSK	135	138		20.03		21.5				
100	QPSK	270	0		19.75						
100	16QAM	1	1		19.82		21.5	0.0	0.0		
100	16QAM	1	1		19.97		21.5				
100	256QAM	1	1		19.97		21.5				
Channel											
Frequency (MHz)											
90	QPSK	1	1	633000	633334	633668	Tune-up MPR	21.5	0.0		
90	QPSK	1	1	3456	3500.01	3505.02	limit (dB)				
90	QPSK	1	1	19.95	19.97	19.95					
90	QPSK	1	1	632668	633334	634000	Tune-up MPR				
80	QPSK	1	1	3490.02	3500.01	3510	limit (dB)	21.5	0.0		
80	QPSK	1	1	19.97	19.99	19.99	21.5				
80	QPSK	1	1	632334	633334	634334	Tune-up MPR				
80	QPSK	1	1	3445.01	3500.01	3515.01	limit (dB)				
70	QPSK	1	1	20.04	19.98	20.01	21.5	0.0	0.0		
70	QPSK	1	1	632000	633334	634668	Tune-up MPR				
70	QPSK	1	1	3480	3500.01	3520.02	limit (dB)				
70	QPSK	1	1	19.99	19.95	19.97	21.5				
60	QPSK	1	1	631668	633334	635000	Tune-up MPR	21.5	0.0		
60	QPSK	1	1	3475.02	3500.01	3525	limit (dB)				
60	QPSK	1	1	20.01	19.97	19.95	21.5				
60	QPSK	1	1	631334	633334	635334	Tune-up MPR				
50	QPSK	1	1	3470.01	3500.01	3530.01	limit (dB)	21.5	0.0		
50	QPSK	1	1	19.96	20.02	20.03	21.5				
50	QPSK	1	1	631000	633334	635668	Tune-up MPR				
50	QPSK	1	1	3425	3500.01	3535.02	limit (dB)				
40	QPSK	1	1	630834	633334	635834	Tune-up MPR	21.5	0.0		
40	QPSK	1	1	20.01	20.00	19.97	21.5				
40	QPSK	1	1	630668	633334	636000	Tune-up MPR				
40	QPSK	1	1	3420.02	3500.01	3540	limit (dB)				
30	QPSK	1	1	630500	633334	636168	Tune-up MPR	21.5	0.0		
30	QPSK	1	1	20.04	20.02	20.01	21.5				
30	QPSK	1	1	630334	633334	636334	Tune-up MPR				
30	QPSK	1	1	3415.01	3500.01	3545.01	limit (dB)				
25	QPSK	1	1	630334	633334	636334	Tune-up MPR	21.5	0.0		
25	QPSK	1	1	20.01	20.00	19.97	21.5				
25	QPSK	1	1	630668	633334	636600	Tune-up MPR				
25	QPSK	1	1	3420.02	3500.01	3545.01	limit (dB)				
15	QPSK	1	1	630334	633334	636334	Tune-up MPR	21.5	0.0		
15	QPSK	1	1	20.04	19.98	19.96	21.5				
15	QPSK	1	1	630334	633334	636334	Tune-up MPR				
15	QPSK	1	1	3415.01	3500.01	3545.01	limit (dB)				
10	QPSK	1	1	20.04	19.98	19.96	21.5	0.0	0.0		
10	QPSK	1	1	630334	633334	636334	Tune-up MPR				
10	QPSK	1	1	3415.01	3500.01	3545.01	limit (dB)				
10	QPSK	1	1	20.04	19.98	19.96	21.5				

Part270Q n77 Ant6 DSI 2 PC2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	1/2 BPSK	1	1		3500.01			24.5	0.0		
100	1/2 BPSK	1	1		23.07						
100	1/2 BPSK	1	137		23.26						
100	1/2 BPSK	1	271		23.27						
100	1/2 BPSK	135	0		23.19		24.5	0.0	0.0		
100	1/2 BPSK	135	69		23.26						
100	1/2 BPSK	135	138		23.24		24.5				
100	1/2 BPSK	270	0		23.18						
100	QPSK	1	1		23.20			24.5	0.0		
100	QPSK	1	137		23.25						
100	QPSK	1	271		23.11						
100	QPSK	135	0		23.16		24.5	0.0	0.0		
100	QPSK	135	69		23.23						
100	QPSK	135	138		23.26		24.5				
100	QPSK	270	0		23.17			24.5	0.0		
100	16QAM	1	1		23.08						
100	16QAM	1	1		23.12		24.5				
100	256QAM	1	1		23.17		22.5	0.0	0.0		
Channel											
Frequency (MHz)											
90	QPSK	1	1	333600	333334	333666		24.5	MPR		
90	QPSK	1	1	23.24	23.25	23.24	24.5				
Channel											
Frequency (MHz)											
80	QPSK	1	1	3490.02	3500.01	3510.01		24.5	0.0		
80	QPSK	1	1	23.27	23.21	23.27	24.5				
Channel											
Frequency (MHz)											
70	QPSK	1	1	333334	333334	333334		24.5	0.0		
70	QPSK	1	1	23.27	23.23	23.24	24.5				
Channel											
Frequency (MHz)											
60	QPSK	1	1	3490.02	333334	3520.02		24.5	0.0		
60	QPSK	1	1	23.27	23.25	23.26	24.5				
Channel											
Frequency (MHz)											
50	QPSK	1	1	333334	3500.01	3520.01		24.5	0.0		
50	QPSK	1	1	23.27	23.25	23.26	24.5				
Channel											
Frequency (MHz)											
40	QPSK	1	1	3470.02	3500.01	3520.01		24.5	0.0		
40	QPSK	1	1	23.28	23.27	23.25	24.5				
Channel											
Frequency (MHz)											
30	QPSK	1	1	3510.00	333334	333666		24.5	MPR		
30	QPSK	1	1	3465	3500.01	3335.02	24.5				
Channel											
Frequency (MHz)											
25	QPSK	1	1	333600	333334	333666		24.5	MPR		
25	QPSK	1	1	3425.1	3500.01	3337.1	24.5				
Channel											
Frequency (MHz)											
20	QPSK	1	1	333600	333334	333600		24.5	MPR		
20	QPSK	1	1	3460.02	3500.01	3330.01	24.5				
Channel											
Frequency (MHz)											
15	QPSK	1	1	333600	333334	333666		24.5	MPR		
15	QPSK	1	1	3425.1	3500.01	3336.1	24.5				
Channel											
Frequency (MHz)											
10	QPSK	1	1	333600	333334	333634		24.5	MPR		
10	QPSK	1	1	23.24	23.22	23.26	24.5				

Part270 n78 Ant6 DSI 2 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	1/2 BPSK	1	1		22.55			24.2	0.0
100	1/2 BPSK	1	137		22.66				
100	1/2 BPSK	1	271		22.72				
100	1/2 BPSK	135	0		22.66			24.2	0.0
100	1/2 BPSK	135	69		22.70			24.2	0.0
100	1/2 BPSK	135	138		22.61			24.2	0.0
100	1/2 BPSK	270	0		22.64				
100	QPSK	1	1		22.62				
100	QPSK	1	137		22.71			24.2	0.0
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.71			24.2	0.0
100	QPSK	135	69		22.73			24.2	0.0
100	QPSK	135	138		22.68			24.2	0.0
100	QPSK	270	0		22.77				
100	16QAM	1	1		22.69			24.2	0.0
100	64QAM	1	1		22.80			24.2	0.0
100	256QAM	1	1		20.91			22.7	1.5
Channel									
Frequency (MHz)				649688	650000	650334	Tune-up	MPR	
				3745.02	3750	3753.01	limit (dB)		
90	QPSK	1	1		22.77	22.80	22.75	24.2	0.0
Channel									
Frequency (MHz)				649334	650000	650668	Tune-up	MPR	
				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1		22.81	22.72	22.75	24.2	0.0
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up	MPR	
				3735	3750	3765	limit (dB)		
70	QPSK	1	1		22.77	22.74	22.71	24.2	0.0
Channel									
Frequency (MHz)				648668	650000	651334	Tune-up	MPR	
				3730.02	3750	3760.01	limit (dB)		
60	QPSK	1	1		22.73	22.76	22.72	24.2	0.0
Channel									
Frequency (MHz)				648334	650000	651668	Tune-up	MPR	
				3725.01	3750	3763.02	limit (dB)		
50	QPSK	1	1		22.74	22.72	22.76	24.2	0.0
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up	MPR	
				3720	3750	3780	limit (dB)		
40	QPSK	1	1		22.75	22.77	22.72	24.2	0.0
Channel									
Frequency (MHz)				647668	650000	652334	Tune-up	MPR	
				3715.02	3750	3765.01	limit (dB)		
30	QPSK	1	1		22.78	22.75	22.73	24.2	0.0
Channel									
Frequency (MHz)				647500	650000	652500	Tune-up	MPR	
				3712.5	3750	3762.5	limit (dB)		
25	QPSK	1	1		22.73	22.72	22.80	24.2	0.0
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up	MPR	
				3710.01	3750	3760.02	limit (dB)		
20	QPSK	1	1		22.72	22.80	22.78	24.2	0.0
Channel									
Frequency (MHz)				647168	650000	652834	Tune-up	MPR	
				3707.52	3750	3762.51	limit (dB)		
15	QPSK	1	1		22.75	22.76	22.77	24.2	0.0
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up	MPR	
				3705	3750	3765	limit (dB)		
10	QPSK	1	1		22.74	22.72	22.77	24.2	0.0

Part27Q n78 Ant6 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		19.74		21.5	0.0	
100	1/2 BPSK	1	137		19.85				
100	1/2 BPSK	1	271		19.86				
100	1/2 BPSK	135	0		19.85		21.5	0.0	
100	1/2 BPSK	135	69		19.83		21.5	0.0	
100	1/2 BPSK	135	138		19.84		21.5	0.0	
100	1/2 BPSK	270	0		19.73				
100	QPSK	1	1		20.08				
100	QPSK	1	137		19.92		21.5	0.0	
100	QPSK	1	271		19.90				
100	QPSK	135	0		19.86		21.5	0.0	
100	QPSK	135	69		20.02		21.5	0.0	
100	QPSK	135	138		19.86		21.5	0.0	
100	QPSK	270	0		19.92				
100	16QAM	1	1		19.82		21.5	0.0	
100	64QAM	1	1		19.83		21.5	0.0	
100	256QAM	1	1		19.90		21.5	0.0	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up	MPR	
				3485	3500.01	3503.02	limit (dB)		
90	QPSK	1	1		20.07	20.03	20.03	21.5	0.0
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up	MPR	
				3480.02	3500.01	3510	limit (dB)		
80	QPSK	1	1		19.99	20.00	20.04	21.5	0.0
Channel									
Frequency (MHz)				632334	633334	634334	Tune-up	MPR	
				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1		20.03	20.02	20.01	21.5	0.0
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up	MPR	
				3480	3500.01	3503.02	limit (dB)		
60	QPSK	1	1		20.07	20.03	20.09	21.5	0.0
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up	MPR	
				3475.02	3500.01	3505	limit (dB)		
50	QPSK	1	1		19.99	20.05	20.03	21.5	0.0
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up	MPR	
				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1		20.04	20.04	19.98	21.5	0.0
Channel									
Frequency (MHz)				631000	633334	635668	Tune-up	MPR	
				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1		19.98	20.03	20.02	21.5	0.0
Channel									
Frequency (MHz)				630834	633334	635834	Tune-up	MPR	
				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1		20.06	20.05	20.07	21.5	0.0
Channel									
Frequency (MHz)				630668	633334	636000	Tune-up	MPR	
				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1		20.02	20.00	20.03	21.5	0.0
Channel									
Frequency (MHz)				630500	633334	636168	Tune-up	MPR	
				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1		20.00	20.01	20.03	21.5	0.0
Channel									
Frequency (MHz)				630334	633334	636334	Tune-up	MPR	
				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1		20.01	20.00	20.04	21.5	0.0

Part27Q n78 Ant6 DSI 2 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		22.70			24.2	0.0
100	1/2 BPSK	1	137		22.66				
100	1/2 BPSK	1	271		22.66				
100	1/2 BPSK	135	0		22.66			24.2	0.0
100	1/2 BPSK	135	69		22.70			24.2	0.0
100	1/2 BPSK	135	138		22.75			24.2	0.0
100	1/2 BPSK	270	0		22.58				
100	QPSK	1	1		22.87				
100	QPSK	1	137		22.87			24.2	0.0
100	QPSK	135	0		22.67			24.2	0.0
100	QPSK	135	69		22.84			24.2	0.0
100	QPSK	135	138		22.87			24.2	0.0
100	QPSK	270	0		22.81				
100	16QAM	1	1		22.68			24.2	0.0
100	16QAM	1	137		24.72				
100	16QAM	1	271		22.81				
100	16QAM	135	0		21.10			22.7	1.5
Channel									
90	QPSK	1	1	633000	633334	633668		24.2	MPR (dB)
90	QPSK	1	137	3485	3500.01	3515.01			
90	QPSK	1	271	22.82	22.77	22.82		24.2	0.0
Channel									
80	QPSK	1	1	633000	633334	633668		24.2	MPR (dB)
80	QPSK	1	137	3485	3500.01	3515.01			
80	QPSK	1	271	22.78	22.79	22.83		24.2	0.0
Channel									
70	QPSK	1	1	633000	633334	633668		24.2	MPR (dB)
70	QPSK	1	137	3485	3500.01	3515.01			
70	QPSK	1	271	22.77	22.85	22.81		24.2	0.0
Channel									
60	QPSK	1	1	633000	633334	633668		24.2	MPR (dB)
60	QPSK	1	137	3485	3500.01	3515.01			
60	QPSK	1	271	22.81	22.77	22.78		24.2	0.0
Channel									
50	QPSK	1	1	633000	633334	633668		24.2	MPR (dB)
50	QPSK	1	137	3474.02	3500.01	3525			
50	QPSK	1	271	22.85	22.79	22.78		24.2	0.0
Channel									
40	QPSK	1	1	633000	633334	633668		24.2	MPR (dB)
40	QPSK	1	137	3470.01	3500.01	3530.01			
40	QPSK	1	271	22.77	22.89	22.89		24.2	0.0
Channel									
30	QPSK	1	1	633000	633334	633668		24.2	MPR (dB)
30	QPSK	1	137	3485	3500.01	3535.02			
30	QPSK	1	271	22.80	22.70	22.77		24.2	0.0
Channel									
20	QPSK	1	1	633000	633334	633668		24.2	MPR (dB)
20	QPSK	1	137	6202.04	3500.01	3558.04			
20	QPSK	1	271	22.80	22.79	22.79		24.2	0.0
Channel									
10	QPSK	1	1	633000	633334	633660		24.2	MPR (dB)
10	QPSK	1	137	6206.02	3500.01	3590			
10	QPSK	1	271	22.81	22.78	22.82		24.2	0.0
Channel									
0	QPSK	1	1	633000	633334	633668		24.2	MPR (dB)
0	QPSK	1	137	3479	3500.01	3559.02			
0	QPSK	1	271	22.83	22.75	22.82		24.2	0.0
Channel									
0	QPSK	1	1	633034	633334	633634		24.2	MPR (dB)
0	QPSK	1	137	1450	3500.01	3550.01			
0	QPSK	1	271	22.83	22.76	22.76		24.2	0.0



Part270 n77 Ant7 DSI 2 PC2										
[BW MHz]	Module ID	RB Size [MHz]	RB Offset	Power Low Ch. Power [dBm]	Power Middle Ch. Power [dBm]	Power High Ch. Power [dBm]	Tune-up Time [s/min]	[dPR (dB)]		
	Channel			850000	856000	862000				
	Frequency [MHz]			3750	3840	3930				
100	1/2 BPS	1	11	22.02	22.07	22.06				
100	1/2 BPS	1	137	22.01	22.07	22.06	23.0			
100	1/2 BPS	1	271	22.09	22.18	22.14				
100	1/2 BPS	135	0	22.10	22.06	22.08	23.0	0.0		
100	1/2 BPS	135	68	22.09	22.06	22.08	23.0	0.0		
100	1/2 BPS	135	138	22.02	22.04	22.08				
100	1/2 BPS	270	0	22.16	21.96	22.06				
100	1/2 BPS	270	1	22.16	22.02	22.15				
100	QPSK	1	137	22.11	22.23	22.10				
100	QPSK	1	271	22.10	22.17	22.14	23.0	0.0		
100	QPSK	135	0	22.08	22.08	22.17	23.0	0.0		
100	QPSK	135	69	22.05	22.24	21.97	23.0	0.0		
100	QPSK	135	139	22.05	22.11	22.15	23.0	0.0		
100	QPSK	270	0	22.08	22.21	22.15	23.0	0.0		
100	16QAM	1	137	22.12	22.09	22.12	23.0	0.0		
100	16QAM	1	271	22.12	22.10	22.15	23.0	0.0		
100	256QAM	1	137	22.17	22.18	22.22	23.0	0.0		
	Channel			646868	656000	662334	Tune-up	MPR		
90	1/2 BPS	1	3840	22.14	22.23	22.05	23.0	0.0		
90	QPSK	1	3840	22.14	22.23	22.05	23.0	0.0		
	Channel			656000	660000	665000	Tune-up	MPR		
80	1/2 BPS	1	3840	22.14	22.22	22.02	23.0	0.0		
80	QPSK	1	3840	22.14	22.22	22.12	23.0	0.0		
	Channel			665000	670000	675000	Tune-up	MPR		
70	1/2 BPS	1	3840	22.14	22.23	22.06	23.0	0.0		
70	QPSK	1	3840	22.14	22.23	22.06	23.0	0.0		
	Channel			675000	680000	685000	Tune-up	MPR		
60	1/2 BPS	1	3840	22.14	22.23	22.06	23.0	0.0		
60	QPSK	1	3840	22.14	22.23	22.12	23.0	0.0		
	Channel			685000	690000	695000	Tune-up	MPR		
50	1/2 BPS	1	3840	22.15	22.21	22.05	23.0	0.0		
50	QPSK	1	3840	22.15	22.21	22.05	23.0	0.0		
	Channel			695000	700000	705000	Tune-up	MPR		
40	1/2 BPS	1	3840	22.15	22.22	22.11	23.0	0.0		
40	QPSK	1	3840	22.15	22.22	22.11	23.0	0.0		
	Channel			705000	710000	715000	Tune-up	MPR		
30	1/2 BPS	1	3840	22.16	22.21	22.08	23.0	0.0		
30	QPSK	1	3840	22.16	22.21	22.08	23.0	0.0		
	Channel			715000	720000	725000	Tune-up	MPR		
25	1/2 BPS	1	3840	22.17	22.23	22.10	23.0	0.0		
25	QPSK	1	3840	22.17	22.23	22.10	23.0	0.0		
	Channel			725000	730000	735000	Tune-up	MPR		
20	1/2 BPS	1	3840	22.17	22.23	22.10	23.0	0.0		
20	QPSK	1	3840	22.17	22.23	22.10	23.0	0.0		
	Channel			735000	740000	745000	Tune-up	MPR		
15	1/2 BPS	1	3840	22.18	22.24	22.11	23.0	0.0		
15	QPSK	1	3840	22.18	22.24	22.11	23.0	0.0		
	Channel			745000	750000	755000	Tune-up	MPR		
10	1/2 BPS	1	3840	22.19	22.25	22.12	23.0	0.0		
10	QPSK	1	3840	22.19	22.25	22.12	23.0	0.0		

Part27Q n7 Ant7 DSI 2									
BW [MHz]	Module ID	RB Size	RB Offset	Power Low [dBm]	Power Middle Ch. Freq.	Power High [dBm]	Turn-on Time (μm)	MPRR (dB)	
Channel									
					633334				
Frequency (MHz)									
100	1/2 BPSK	1		19.32	3500.01				
100	1/2 BPSK	1	137	19.32			20.0	0.0	
100	1/2 BPSK	1	271	19.33					
100	1/2 BPSK	155	0	19.34			20.0	0.0	
100	1/2 BPSK	155	136	19.34			20.0	0.0	
100	1/2 BPSK	270	0	19.32			20.0	0.0	
100	1/2 BPSK	270	136	19.32			20.0	0.0	
100	QPSK	1	137	19.37			20.0	0.0	
100	QPSK	1	271	19.37					
100	QPSK	155	0	19.22			20.0	0.0	
100	QPSK	155	89	19.40			20.0	0.0	
100	QPSK	155	136	19.32			20.0	0.0	
100	QPSK	270	0	19.32			20.0	0.0	
100	16QAM	1		19.18			20.0	0.0	
100	64QAM	1		19.32			20.0	0.0	
100	256QAM	1		19.38			20.0	0.0	
Channel									
				633000	633334	633668	Turn-on	MPRR	
90	QPSK	1		3485	3500.01	3500.01	20.0	0.0	
				19.98	19.32	19.38	20.0	0.0	
Frequency (MHz)									
80	QPSK	1		64000	633334	636000	Turn-on	MPRR	
				3482	3500.01	3500.01	20.0	0.0	
				19.35	19.34	19.34	20.0	0.0	
				63377	633334	637000	Turn-on	MPRR	
				3485.01	3500.01	3515.01	20.0	0.0	
Frequency (MHz)									
70	QPSK	1		19.37	19.37	19.37	20.0	0.0	
				63360	633334	637000	Turn-on	MPRR	
				3480	3500.01	3520.02	20.0	0.0	
Frequency (MHz)									
60	QPSK	1		19.35	19.40	19.38	20.0	0.0	
				63314	633334	636314	Turn-on	MPRR	
Frequency (MHz)									
50	QPSK	1		19.33	19.32	19.37	20.0	0.0	
				63100	633334	635000	Turn-on	MPRR	
Frequency (MHz)									
40	QPSK	1		19.3701	3500.01	3530.01	20.0	0.0	
				63100	633334	635000	Turn-on	MPRR	
Frequency (MHz)									
30	QPSK	1		3466	3500.01	3530.02	20.0	0.0	
				19.34	19.35	19.37	20.0	0.0	
Channel									
				630834	633334	635834	Turn-on	MPRR	
25	QPSK	1		34251	3500.01	3530.01	20.0	0.0	
				19.32	19.34	19.38	20.0	0.0	
Channel									
				635688	633334	638000	Turn-on	MPRR	
Frequency (MHz)									
20	QPSK	1		349002	3500.01	3530.01	20.0	0.0	
				19.37	19.40	19.34	20.0	0.0	
Channel									
				635050	633334	638168	Turn-on	MPRR	
Frequency (MHz)									
15	QPSK	1		34570	3500.01	354250	20.0	0.0	
				19.37	19.37	19.37	20.0	0.0	
Channel									
				630034	633334	636034	Turn-on	MPRR	
Frequency (MHz)									
10	QPSK	1		34500	3500.01	354000	20.0	0.0	
				19.38	19.39	19.32	20.0	0.0	

Part27Q n77 Ant7 DSI 2 PC2									
BW [MHz]	Module ID	RB Size	RB Offset	Power Low [dBm]	Power Middle [dBm]	Power High [dBm]	Turn-on time [μs]	IMPR [dB]	
Channel									
Frequency (MHz)				3600.01					
100	1/2 BPS	1	1	21.85					
100	1/2 BPS	1	137	21.85			23.0	0.0	
100	1/2 BPS	1	271	22.03					
100	1/2 BPS	155	0	21.89			23.0	0.0	
100	1/2 BPS	155	135	21.89			23.0	0.0	
100	1/2 BPS	155	138	22.05					
100	1/2 BPS	270	0	21.95			23.0	0.0	
100	QPSK	1	137	22.01			23.0	0.0	
100	QPSK	1	271	22.01					
100	QPSK	155	0	21.92			23.0	0.0	
100	QPSK	155	69	22.11			23.0	0.0	
100	QPSK	155	138	21.99			23.0	0.0	
100	QPSK	270	0	21.98			23.0	0.0	
100	16QAM	1	1	21.87			23.0	0.0	
100	16QAM	1	137	21.87			23.0	0.0	
100	256QAM	1	1	22.09			23.0	0.0	
Channel									
Frequency (MHz)				3635.00					
90	QPSK	1	22.11	22.10	22.13	23.0	0.0	0.0	
Frequency (MHz)				3635.00					
80	QPSK	1	3490.02	3500.01	3510	23.0	0.0	0.0	
Frequency (MHz)				3635.00					
70	QPSK	1	22.04	22.00	22.07	23.0	0.0	0.0	
Frequency (MHz)				3635.00					
60	QPSK	1	22.10	22.12	22.09	23.0	0.0	0.0	
Frequency (MHz)				3635.00					
50	QPSK	1	3480	3500.01	3520.02	23.0	0.0	0.0	
Frequency (MHz)				3635.00					
40	QPSK	1	22.07	22.10	22.09	23.0	0.0	0.0	
Frequency (MHz)				3635.00					
30	QPSK	1	3473.01	3500.01	3525.01	23.0	0.0	0.0	
Frequency (MHz)				3635.00					
20	QPSK	1	3470.01	3500.01	3530.01	23.0	0.0	0.0	
Frequency (MHz)				3635.00					
10	QPSK	1	3463.00	3500.01	3535.02	23.0	0.0	0.0	
Channel									
Frequency (MHz)				6310.00					
30	QPSK	1	6308.34	6335.04	6359.08	Turn-up	MPR		
Frequency (MHz)				6310.00					
25	QPSK	1	6306.51	6300.01	6357.51	23.0	0.0	0.0	
Frequency (MHz)				6310.00					
20	QPSK	1	6306.68	6335.04	6360.00	Turn-up	MPR		
Frequency (MHz)				6310.00					
15	QPSK	1	6305.25	6325.01	6350.01	23.0	0.0	0.0	
Frequency (MHz)				6310.00					
10	QPSK	1	6303.94	6335.04	6363.94	Turn-up	MPR		
Frequency (MHz)				6310.00					
10	QPSK	1	6305.25	6325.01	6350.01	23.0	0.0	0.0	

Part270 n78 Ant7 DSI 2									
BW [MHz]	Module ID	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MPR (dB)	
	Channel				655000				
	Frequency (MHz)				3750				
100	1/2 BPS	1	1	19.66					
100	1/2 BPS	1	137	19.67			20.5	0.0	
100	1/2 BPS	1	271	19.67					
100	1/2 BPS	135	0	19.78			20.5	0.0	
100	1/2 BPS	135	136	19.78			20.5	0.0	
100	1/2 BPS	270	0	19.59			20.5	0.0	
	Channel				19.59				
100	QPSK	1	137	19.67			20.5	0.0	
100	QPSK	1	271	19.67					
100	QPSK	135	0	19.65			20.5	0.0	
100	QPSK	135	69	19.62			20.5	0.0	
100	QPSK	135	136	19.62			20.5	0.0	
100	QPSK	270	0	19.79			20.5	0.0	
100	10QAM	1	1	19.57			20.5	0.0	
100	10QAM	1	137	19.58			20.5	0.0	
100	25QAM	1	1	19.69			20.5	0.0	
	Channel			64656	65500	65034	Tune-up	MPR	
90	QPSK	1	1	19.77	19.78	19.78	20.5	0.0	
	Channel			65500	65500	65500	Tune-up	MPR	
80	QPSK	1	1	19.80.01	19.75	3760.02	20.5	0.0	
	Channel			19.77	19.83	19.84	20.5	0.0	
	Frequency (MHz)				3750	3760	20.5	0.0	
70	QPSK	1	1	19.81	19.85	19.73	20.5	0.0	
	Channel			65500	65500	65334	Tune-up	MPR	
60	QPSK	1	1	3730.02	3750	3770.01	20.5	0.0	
	Channel			19.79	19.85	19.77	20.5	0.0	
50	QPSK	1	1	19.77	19.84	19.84	20.5	0.0	
	Channel			64900	65500	65200	Tune-up	MPR	
	Frequency (MHz)				3725.01	3750	3775.02	20.5	0.0
40	QPSK	1	1	19.77	19.77	19.77	20.5	0.0	
	Channel			64768	65500	65234	Tune-up	MPR	
	Frequency (MHz)				3720	3750	3760	20.5	0.0
30	QPSK	1	1	19.77	19.77	19.77	20.5	0.0	
	Channel			64750	65500	65200	Tune-up	MPR	
25	QPSK	1	1	3742.5	3750	3757.5	20.5	0.0	
	Channel			19.79	19.84	19.83	20.5	0.0	
	Frequency (MHz)				3743.34	65500	65200	Tune-up	MPR
20	QPSK	1	1	3740.01	3750	3760.01	20.5	0.0	
	Channel			19.80	19.83	19.81	20.5	0.0	
	Frequency (MHz)				647168	65500	65234	Tune-up	MPR
15	QPSK	1	1	3704.62	3750	3764.62	20.5	0.0	
	Channel			19.82	19.84	19.82	20.5	0.0	
10	QPSK	1	1	647000	65500	65300	Tune-up	MPR	
	Channel			19.79	19.83	19.76	20.5	0.0	

Part270 n78 Ant7 DSI 2 PC2								
[BW MHz]	Module in	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up Time (s/min)	[dPR (dB)]
Channel								
Frequency (MHz)				655000				
100	1/2 BPS1			22.17				
100	1/2 BPS1	1	137	22.23			23.5	0.0
100	1/2 BPS1	1	271	22.36				
100	1/2 BPS1	1	0	22.24			23.5	0.0
100	1/2 BPS1	135	0	22.38			23.5	0.0
100	1/2 BPS1	135	136	22.38			23.5	0.0
100	1/2 BPS1	270	0	22.25				
100	QPSK1	1	137	22.41			23.5	0.0
100	QPSK1	1	271	22.41				
100	QPSK1	135	0	22.25			23.5	0.0
100	QPSK1	135	89	22.42			23.5	0.0
100	QPSK1	135	136	22.42			23.5	0.0
100	QPSK1	270	0	22.40			23.5	0.0
100	10QAM1	1	1	22.15				
100	10QAM1	2	1	22.20				
100	25QAM1			22.40			Turn-up	
Channel								
Frequency (MHz)				655000		650334		
90	QPSK1	1	3761.5	22.45			Turn-up	
				22.42	22.41	22.43	23.5	0.0
Channel								
Frequency (MHz)				655000				
80	QPSK1	1	3760.01	22.35		3760.02	Turn-up	
				22.35	22.35	22.35	23.5	0.0
Channel								
Frequency (MHz)				655000				
70	QPSK1	1	3735	22.30		3735	Turn-up	
				22.40	22.37	22.41	23.5	0.0
Channel								
Frequency (MHz)				655000				
60	QPSK1	1	3732.02	22.30		3732.01	Turn-up	
				22.33	22.33	22.37	23.5	0.0
Channel								
Frequency (MHz)				655000				
50	QPSK1	1	3725.01	22.23		3725.02	Turn-up	
				22.30	22.33	22.37	23.5	0.0
Channel								
Frequency (MHz)				655000		652000		
40	QPSK1	1	3720	22.30		3720	Turn-up	
				22.30	22.37	22.38	23.5	0.0
Channel								
Frequency (MHz)				655000		652334	Turn-up	MPR
				3715.02	3750	3765.01	23.5	0.0
Channel								
Frequency (MHz)				655000				
30	QPSK1	1	6476.50	22.33		6476.53	Turn-up	
				6475.00	650000	6526.98	23.5	MPR
Channel								
Frequency (MHz)				655000				
25	QPSK1	1	6471.25	22.35		6471.25	Turn-up	
				6470.00	650000	6526.98	23.5	0.0
Channel								
Frequency (MHz)				655000				
20	QPSK1	1	6471.01	22.41		6471.01	Turn-up	
				6471.00	650000	6526.98	23.5	0.0
Channel								
Frequency (MHz)				655000				
15	QPSK1	1	3702.52	22.39		3702.51	Turn-up	
				3700.00	3750	3765.01	23.5	0.0
Channel								
Frequency (MHz)				655000		653000	Turn-up	MPR
				3750	3750		23.5	0.0

Part27Q n78 Ant7 DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (m)	MPR (dB)
Channel				633334			Tune-up (m)	MPR (dB)
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		19.63			
100	1/2 BPSK	1	137		19.63		20.5	0.0
100	1/2 BPSK	1	271		19.66			
100	1/2 BPSK	135	0		19.69		20.5	0.0
100	1/2 BPSK	135	69		19.67		20.5	0.0
100	1/2 BPSK	135	138		19.70		20.5	0.0
100	1/2 BPSK	270	0		19.69			
100	QPSK	1	1		19.68			
100	QPSK	1	137		19.83		20.5	0.0
100	QPSK	1	271		19.64			
100	QPSK	135	0		19.74		20.5	0.0
100	QPSK	135	69		19.83		20.5	0.0
100	QPSK	135	138		19.76		20.5	0.0
100	QPSK	270	0		19.77			
100	16QAM	1	1		19.69		20.5	0.0
100	16QAM	1	1		19.73		20.5	0.0
100	256QAM	1	1		19.74		20.5	0.0
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)	
90	QPSK	1	1	19.82	19.83	19.75	20.5	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	19.83	19.77	19.77	20.5	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3488.01	3500.01	3516.01	limit (dB)	
70	QPSK	1	1	19.80	19.82	19.73	20.5	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3492	3500.01	3507.02	limit (dB)	
60	QPSK	1	1	19.76	19.84	19.75	20.5	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3495.02	3500.01	3505	limit (dB)	
50	QPSK	1	1	19.84	19.75	19.81	20.5	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3490.01	3500.01	3507.01	limit (dB)	
40	QPSK	1	1	19.81	19.83	19.78	20.5	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3485	3500.01	3506.02	limit (dB)	
30	QPSK	1	1	19.82	19.81	19.75	20.5	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3482.51	3500.01	3507.51	limit (dB)	
25	QPSK	1	1	19.79	19.83	19.75	20.5	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3480.02	3500.01	3507	limit (dB)	
20	QPSK	1	1	19.80	19.76	19.77	20.5	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3487.5	3500.01	3507.53	limit (dB)	
15	QPSK	1	1	19.78	19.84	19.83	20.5	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3507.01	limit (dB)	
10	QPSK	1	1	19.77	19.75	19.78	20.5	0.0

Part27Q n78 Ant7 DSI 2 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (m)	MPR (dB)
Channel				633334			Tune-up (m)	MPR (dB)
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		22.31			
100	1/2 BPSK	1	137		22.40		23.5	0.0
100	1/2 BPSK	1	271		22.43			
100	1/2 BPSK	135	0		22.40		23.5	0.0
100	1/2 BPSK	135	69		22.34		23.5	0.0
100	1/2 BPSK	135	138		22.35		23.5	0.0
100	1/2 BPSK	270	0		22.36			
100	QPSK	1	1		22.51			
100	QPSK	1	137		22.48		23.5	0.0
100	QPSK	1	271		22.28			
100	QPSK	135	0		22.33		23.5	0.0
100	QPSK	135	69		22.49		23.5	0.0
100	QPSK	135	138		22.48		23.5	0.0
100	QPSK	270	0		22.42			
100	16QAM	1	1		22.27		23.5	0.0
100	16QAM	1	1		22.31		23.5	0.0
100	256QAM	1	1		22.41		23.5	0.0
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)	
90	QPSK	1	1	22.46	22.49	22.46	23.5	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	22.47	22.42	22.46	23.5	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3488.01	3500.01	3516.01	limit (dB)	
70	QPSK	1	1	22.42	22.44	22.45	23.5	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3490	3500.01	3507.02	limit (dB)	
60	QPSK	1	1	22.49	22.43	22.44	23.5	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3493.02	3500.01	3505	limit (dB)	
50	QPSK	1	1	22.46	22.50	22.50	23.5	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3490.01	3500.01	3507.01	limit (dB)	
40	QPSK	1	1	22.47	22.42	22.50	23.5	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3485	3500.01	3506.02	limit (dB)	
30	QPSK	1	1	22.46	22.44	22.42	23.5	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3482.51	3500.01	3507.51	limit (dB)	
25	QPSK	1	1	22.48	22.40	22.42	23.5	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3480.02	3500.01	3507	limit (dB)	
20	QPSK	1	1	22.48	22.44	22.42	23.5	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3487.5	3500.01	3507.53	limit (dB)	
15	QPSK	1	1	22.47	22.46	22.48	23.5	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3507.01	limit (dB)	
10	QPSK	1	1	22.40	22.47	22.44	23.5	0.0



Part96 n48 Ant8 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)				3570	3624.99	3679.98			
40 1/2 BPSK	1	1	19.04	19.09	19.04		20.5	0.0	
40 1/2 BPSK	1	53	19.22	19.10	19.13				
40 1/2 BPSK	1	104	19.18	19.11	19.14				
40 1/2 BPSK	50	0	19.25	19.19	19.01				
40 1/2 BPSK	50	26	19.12	19.20	19.00		20.5	0.0	
40 1/2 BPSK	50	56	19.11	19.11	19.03		20.5	0.0	
40 1/2 BPSK	100	0	19.22	19.12	19.11		20.5	0.0	
40 QPSK	1	1	19.16	19.33	19.12		20.5	0.0	
40 QPSK	1	53	19.17	19.22	19.14				
40 QPSK	1	104	18.99	19.11	19.21				
40 QPSK	50	0	19.12	19.15	19.06				
40 QPSK	50	26	19.12	19.31	19.03		20.5	0.0	
40 QPSK	50	56	19.22	19.16	19.25		20.5	0.0	
40 QPSK	100	0	19.16	19.27	19.16		20.5	0.0	
40 16QAM	1	1	19.10	19.13	19.07		20.5	0.0	
40 16QAM	1	1	17.70	17.71	17.63		19.5	1.0	
40 256QAM	1	1	16.09	16.14	16.07		17.5	3.0	
Channel				637668	641666	645666	Tune-up	MPR	
Frequency (MHz)				3595.02	3624.99	3654.92	limit (dB)		
30 QPSK	1	1	19.10	19.27	19.07		20.5	0.0	
Channel				637334	641666	646000	Tune-up	MPR	
Frequency (MHz)				3590.01	3624.99	3650	limit (dB)		
20 QPSK	1	1	19.10	19.24	19.05		20.5	0.0	
Channel				637168	641666	646166	Tune-up	MPR	
Frequency (MHz)				3597.52	3624.99	3652.49	limit (dB)		
15 QPSK	1	1	19.09	19.24	19.05		20.5	0.0	
Channel				637000	641666	646332	Tune-up	MPR	
Frequency (MHz)				3593	3624.99	3664.98	limit (dB)		
10 QPSK	1	1	19.14	19.31	19.08		20.5	0.0	

Part270 n77 Ant8 Other PA DSI 2									
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100 1/2 BPSK	1	1	19.70	19.78	19.78			20.5	0.0
100 1/2 BPSK	1	137	19.80	19.86	19.86			20.5	0.0
100 1/2 BPSK	1	271	19.89	19.79	19.76			20.5	0.0
100 1/2 BPSK	135	0	19.93	19.86	19.67			20.5	0.0
100 1/2 BPSK	135	69	19.85	19.81	19.71			20.5	0.0
100 1/2 BPSK	135	138	19.80	19.79	19.79			20.5	0.0
100 1/2 BPSK	270	0	19.85	19.64	19.78			20.5	0.0
100 QPSK	1	1	19.93	19.94	19.94			20.5	0.0
100 QPSK	1	137	19.81	19.81	19.70				
100 QPSK	1	271	19.68	19.76	19.82				
100 QPSK	135	0	19.70	19.72	19.80				
100 QPSK	135	69	19.74	19.91	19.77			20.5	0.0
100 QPSK	135	138	19.74	19.82	19.79			20.5	0.0
100 QPSK	270	0	19.70	19.66	19.74			20.5	0.0
10QAM	1	1	19.83	19.67	19.80			20.5	0.0
10QAM	1	1	19.77	19.84	19.73			20.5	0.0
256QAM	1	1	19.72	19.91	19.81			20.5	0.0
Channel				646668	650000	662334	Tune-up	MPR	
Frequency (MHz)				3743.02	3840	3953.01	limit (dB)		
90 QPSK	1	1	19.87	19.84	19.82			20.5	0.0
Channel				649334	650000	662668	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)		
80 QPSK	1	1	19.87	19.93	19.75			20.5	0.0
Channel				649000	650000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit (dB)		
70 QPSK	1	1	19.87	19.92	19.75			20.5	0.0
Channel				646668	650000	663334	Tune-up	MPR	
Frequency (MHz)				3740.02	3840	3950.01	limit (dB)		
60 QPSK	1	1	19.84	19.91	19.82			20.5	0.0
Channel				648334	650000	663668	Tune-up	MPR	
Frequency (MHz)				3723.01	3840	3955.02	limit (dB)		
50 QPSK	1	1	19.91	19.89	19.78			20.5	0.0
Channel				646000	650000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3950	limit (dB)		
40 QPSK	1	1	19.86	19.91	19.75			20.5	0.0
Channel				647668	650000	664334	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit (dB)		
30 QPSK	1	1	19.86	19.89	19.80			20.5	0.0
Channel				647500	650000	664500	Tune-up	MPR	
Frequency (MHz)				3712.5	3840	3962.5	limit (dB)		
25 QPSK	1	1	19.89	19.90	19.78			20.5	0.0
Channel				647334	650000	664668	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3960.02	limit (dB)		
20 QPSK	1	1	19.90	19.89	19.75			20.5	0.0
Channel				647168	650000	664834	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3967.51	limit (dB)		
15 QPSK	1	1	19.82	19.89	19.81			20.5	0.0
Channel				647000	650000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3965	limit (dB)		
10 QPSK	1	1	19.90	19.88	19.81			20.5	0.0

Part270 n77 Ant8 Other PA DSI 2 PC2											
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				3750	3840	3930					
100 1/2 BPSK	1	1	21.44	21.41	21.41	21.38		23.5	0.0		
100 1/2 BPSK	1	137	21.47	21.43	21.47						
100 1/2 BPSK	1	271	21.53	21.52	21.53						
100 1/2 BPSK	135	0	21.60	21.56	21.40						
100 1/2 BPSK	135	69	21.51	21.55	21.35			23.5	0.0		
100 1/2 BPSK	135	138	21.48	21.53	21.47						
100 1/2 BPSK	270	0	21.56	21.36	21.45						
100 QPSK	1	137	21.55	21.49	21.53						
100 QPSK	1	271	21.36	21.49	21.49			23.5	0.0		
100 QPSK	135	0	21.48	21.47	21.51						
100 QPSK	135	69	21.37	21.59	21.42						
100 QPSK	135	138	21.56	21.47	21.57						
100 QPSK	270	0	21.45	21.53	21.42			23.5	0.0		
100 16QAM	1	1	21.58	21.49	21.42						
100 16QAM	1	1	21.47	21.43	21.37						
100 256QAM	1	1	19.52	19.56	19.54						
Channel				646668	650000	662334	Tune-up	MPR			
Frequency (MHz)				3743.02	3840	3953.01	limit (dB)				
90 QPSK	1	1	21.44	21.60	21.42			23.5	0.0		
Channel				649334	650000	662668	Tune-up			MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)				
80 QPSK	1	1	21.51	21.54	21.43						
Channel				649000	650000	663000	Tune-up	MPR			
Frequency (MHz)				3735	3840	3945	limit (dB)				
70 QPSK	1	1	21.46	21.52	21.40			23.5	0.0		
Channel				646668	650000	663334	Tune-up			MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit (dB)				
60 QPSK	1	1	21.51	21.59	21.42						
Channel				648334	650000	663668	Tune-up	MPR			
Frequency (MHz)				3723.01	3840	3955.02	limit (dB)				
50 QPSK	1	1	21.49	21.52	21.40			23.5	0.0		
Channel				646000	650000	664000	Tune-up			MPR	
Frequency (MHz)				3720	3840	3950	limit (dB)				
40 QPSK	1	1	21.42	21.53	21.45						
Channel				647668	650000	664334	Tune-up	MPR			
Frequency (MHz)				3715.02	3840	3965.01	limit (dB)				
30 QPSK	1	1	21.44	21.51	21.42			23.5	0.0		
Channel				647500	650000	664500	Tune-up			MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit (dB)				
25 QPSK	1	1	21.59	21.53	21.47						
Channel				647334	650000	664668	Tune-up	MPR			
Frequency (MHz)				3710.01	3840	3969.02	limit (dB)				
20 QPSK	1	1	21.56	21.53	21.49			23.5	0.0		
Channel				647166	650000	664834	Tune-up			MPR	
Frequency (MHz)				3707.5	3840	3972.5	limit (dB)				
15 QPSK	1	1	21.60	21.54	21.48						
Channel				647000	650000	665000	Tune-up	MPR			
Frequency (MHz)				3705.01	3840	3975.02	limit (dB)				
10 QPSK	1	1	21.48	21.56	21.45			23.5	0.0		



Part27Q n77 Ant8 Other PA DSI 2 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		21.82		23.5	0.0	
100	1/2 BPSK	1	137		21.82				
100	1/2 BPSK	1	271		21.88				
100	1/2 BPSK	135	0		21.83		23.5	0.0	
100	1/2 BPSK	135	69		21.93		23.5	0.0	
100	1/2 BPSK	135	138		21.81		23.5	0.0	
100	1/2 BPSK	270	0		21.75		23.5	0.0	
100	QPSK	1	1		22.07				
100	QPSK	1	137		22.04		23.5	0.0	
100	QPSK	1	271		21.87				
100	QPSK	135	0		21.87		23.5	0.0	
100	QPSK	135	69		22.05		23.5	0.0	
100	QPSK	135	138		21.97		23.5	0.0	
100	QPSK	270	0		22.03				
100	16QAM	1	1		21.75		23.5	0.0	
100	64QAM	1	1		21.88		23.5	0.0	
100	256QAM	1	1		21.12		21.5	2.0	
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1		22.04	21.99	22.04	23.5	0.0
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3483.02	3500.01	3510	limit (dB)		
80	QPSK	1	1		21.97	21.97	22.05	23.5	0.0
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1		22.03	22.04	21.99	23.5	0.0
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3503.02	limit (dB)		
60	QPSK	1	1		22.04	22.00	22.04	23.5	0.0
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3473.02	3500.01	3505	limit (dB)		
50	QPSK	1	1		22.02	22.06	21.99	23.5	0.0
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3503.01	limit (dB)		
40	QPSK	1	1		22.02	22.02	22.05	23.5	0.0
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3466	3500.01	3505.01	limit (dB)		
30	QPSK	1	1		21.98	22.04	21.98	23.5	0.0
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.34	3500.01	3507.34	limit (dB)		
25	QPSK	1	1		21.99	22.00	21.98	23.5	0.0
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.00	3500.01	3500	limit (dB)		
20	QPSK	1	1		22.04	21.98	22.02	23.5	0.0
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3459.50	3500.01	3506.50	limit (dB)		
15	QPSK	1	1		22.02	21.99	22.05	23.5	0.0
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3506.51	limit (dB)		
10	QPSK	1	1		22.02	22.02	21.97	23.5	0.0

Part27O n78 Ant8 Other PA DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1		18.34		20.0	0.0	
100	1/2 BPSK	1	137		18.28				
100	1/2 BPSK	1	271		18.28				
100	1/2 BPSK	135	0		18.36		20.0	0.0	
100	1/2 BPSK	135	69		18.28		20.0	0.0	
100	1/2 BPSK	135	138		18.28		20.0	0.0	
100	1/2 BPSK	270	0		18.18		20.0	0.0	
100	QPSK	1	1		18.45				
100	QPSK	1	137		18.30		20.0	0.0	
100	QPSK	1	271		18.26				
100	QPSK	135	0		18.28		20.0	0.0	
100	QPSK	135	69		18.44		20.0	0.0	
100	QPSK	135	138		18.36		20.0	0.0	
100	QPSK	270	0		18.35				
100	16QAM	1	1		18.17		20.0	0.0	
100	64QAM	1	1		18.34		20.0	0.0	
100	256QAM	1	1		18.25		20.0	0.0	
Channel				649688	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)		
90	QPSK	1	1		18.46	18.39	18.38	20.0	0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1		18.44	18.44	18.41	20.0	0.0
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1		18.40	18.42	18.38	20.0	0.0
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1		18.45	18.38	18.47	20.0	0.0
50	QPSK	1	1		18.43	18.43	18.37	20.0	0.0
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
40	QPSK	1	1		18.46	18.43	18.37	20.0	0.0
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
30	QPSK	1	1		18.46	18.41	18.45	20.0	0.0
Channel				647688	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
25	QPSK	1	1		18.47	18.47	18.42	20.0	0.0
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
20	QPSK	1	1		18.46	18.46	18.38	20.0	0.0
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
15	QPSK	1	1		18.40	18.38	18.42	20.0	0.0
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1		18.45	18.45	18.38	20.0	0.0

Part27O n78 Ant8 Other PA DSI 2 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		21.30		23.0	0.0	
100	1/2 BPSK	1	137		21.37				
100	1/2 BPSK	1	271		21.35				
100	1/2 BPSK	135	0		21.35		23.0	0.0	
100	1/2 BPSK	135	69		21.29		23.0	0.0	
100	1/2 BPSK	135	138		21.35		23.0	0.0	
100	1/2 BPSK	270	0		21.22		23.0	0.0	
100	QPSK	1	1		21.46				
100	QPSK	1	137		21.31		23.0	0.0	
100	QPSK	1	271		21.27				
100	QPSK	135	0		21.23		23.0	0.0	
100	QPSK	135	69		21.45		23.0	0.0	
100	QPSK	135	138		21.39		23.0	0.0	
100	QPSK	270	0		21.33				
100	16QAM	1	1		21.17		23.0	0.0	
100	64QAM	1	1		21.21		23.0	0.0	
100	256QAM	1	1		20.38		21.5	1.5	
Channel				649688	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)		
90	QPSK	1	1		21.37	21.38	21.41	23.0	0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1		21.44	21.43	21.45	23.0	0.0
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1		21.42	21.43	21.41	23.0	0.0
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1		21.42	21.39	21.38	23.0	0.0
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
50	QPSK	1	1		21.45	21.39	21.38	23.0	0.0
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1		21.45	21.42	21.43	23.0	0.0
Channel				647688	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
30	QPSK	1	1		21.43	21.44	21.38	23.0	0.0
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
25	QPSK	1	1		21.44	21.38	21.43	23.0	0.0
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1		21.44	21.39	21.38	23.0	0.0
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.5	3750	3792.5	limit (dB)		
15	QPSK	1	1		21.38	21.35	21.35	23.0	0.0
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1		21.42	21.42	21.45	23.0	0.0

Part27Q n78 Ant8 Other PA DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		18.28			
100	1/2 BPSK	1	137		18.28			
100	1/2 BPSK	1	271		18.38		20.0	0.0
100	1/2 BPSK	135	0		18.29		20.0	0.0
100	1/2 BPSK	135	69		18.35		20.0	0.0
100	1/2 BPSK	135	138		18.24			
100	1/2 BPSK	270	0		18.17		20.0	0.0
100	QPSK	1	1		18.47			
100	QPSK	1	137		18.42		20.0	0.0
100	QPSK	1	271		18.28			
100	QPSK	135	0		18.21		20.0	0.0
100	QPSK	135	69		18.42		20.0	0.0
100	QPSK	135	138		18.37		20.0	0.0
100	QPSK	270	0		18.37			
100	16QAM	1	1		18.18		20.0	0.0
100	16QAM	1	1		18.19		20.0	0.0
100	256QAM	1	1		18.35		20.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	18.40	18.44	18.40	20.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	18.41	18.45	18.39	20.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	18.43	18.43	18.41	20.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	18.39	18.42	18.44	20.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	18.38	18.39	18.38	20.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	18.42	18.42	18.45	20.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	18.37	18.44	18.43	20.0	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	18.40	18.37	18.36	20.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.03	3500.01	3540	limit	(dB)
20	QPSK	1	1	18.45	18.45	18.42	20.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	18.39	18.42	18.42	20.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	18.38	18.38	18.43	20.0	0.0

Part27Q n78 Ant8 Other PA DSI 2 PC2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		21.38			
100	1/2 BPSK	1	137		21.36		23.0	0.0
100	1/2 BPSK	1	271		21.38			
100	1/2 BPSK	135	0		21.32		23.0	0.0
100	1/2 BPSK	135	69		21.38		23.0	0.0
100	1/2 BPSK	135	138		21.41		23.0	0.0
100	1/2 BPSK	270	0		21.29			
100	QPSK	1	1		21.56			
100	QPSK	1	137		21.51		23.0	0.0
100	QPSK	1	271		21.33			
100	QPSK	135	0		21.42		23.0	0.0
100	QPSK	135	69		21.53		23.0	0.0
100	QPSK	135	138		21.38		23.0	0.0
100	QPSK	270	0		21.46			
100	16QAM	1	1		21.40		23.0	0.0
100	16QAM	1	1		21.44		23.0	0.0
100	256QAM	1	1		20.92		21.5	1.5
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	21.47	21.51	21.46	23.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	21.46	21.50	21.52	23.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	21.52	21.45	21.48	23.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	21.53	21.49	21.52	23.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	21.49	21.46	21.48	23.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	21.52	21.53	21.52	23.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	21.54	21.51	21.52	23.0	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	21.50	21.54	21.46	23.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	21.47	21.49	21.51	23.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	21.50	21.53	21.50	23.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	21.45	21.52	21.49	23.0	0.0



n5 Ant0 DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	25.07	25.15	25.14		
20	1/2 BPSK	1	53	25.19	25.22	25.16	25.7	0.0
20	1/2 BPSK	1	104	25.20	25.31	25.27		
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5
20	1/2 BPSK	50	26	25.20	25.27	25.19	25.7	0.0
20	1/2 BPSK	50	56	24.61	24.66	24.61		
20	1/2 BPSK	100	0	24.72	24.81	24.76	25.2	0.5
20	QPSK	1	1	25.40	25.42	25.38		
20	QPSK	1	53	25.28	25.36	25.37	25.7	0.0
20	QPSK	1	104	25.36	25.39	25.32		
20	QPSK	50	0	24.20	24.22	24.19	24.7	1.0
20	QPSK	50	26	25.17	25.27	25.26	25.7	0.0
20	QPSK	50	56	24.12	24.18	24.11		
20	QPSK	100	0	24.31	24.33	24.23	24.7	1.0
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0
20	64QAM	1	1	22.65	22.67	22.64	23.2	2.5
20	256QAM	1	1	20.30	20.40	20.33	21.2	4.5
Channel				166300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit (dB)	
15	QPSK	1	1	25.39	25.23	25.22	25.7	0.0
Channel				166800	167300	166800	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit (dB)	
10	QPSK	1	1	25.40	25.23	25.30	25.7	0.0
Channel				165300	167300	169300	Tune-up	MPR
Frequency (MHz)				828.5	836.5	845.5	limit (dB)	
5	QPSK	1	1	25.33	25.33	25.23	25.7	0.0

Reduced Power Mode for SA DSI 3

n7 Ant0 Other PA DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	24.62	24.54	24.56		
40	1/2 BPSK	1	108	24.59	24.55	24.59	25.2	0.0
40	1/2 BPSK	1	214	24.60	24.55	24.60		
40	1/2 BPSK	108	0	24.57	24.58	24.53	25.2	0.0
40	1/2 BPSK	108	54	24.63	24.63	24.67	25.2	0.0
40	1/2 BPSK	108	108	24.53	24.57	24.52	25.2	0.0
40	1/2 BPSK	216	0	24.61	24.65	24.55		
40	QPSK	1	1	24.71	24.77	24.69		
40	QPSK	1	108	24.52	24.64	24.50	25.2	0.0
40	QPSK	1	214	24.66	24.63	24.61		
40	QPSK	108	0	24.10	24.18	24.09	24.7	0.5
40	QPSK	108	54	24.65	24.72	24.61	25.2	0.0
40	QPSK	108	108	24.02	24.12	24.03		
40	QPSK	216	0	24.13	24.21	24.20	24.7	0.5
40	16QAM	1	1	24.23	24.25	24.21	24.7	0.5
40	64QAM	1	1	22.58	22.65	22.59	23.2	2.0
40	256QAM	1	1	20.61	20.63	20.58	21.2	4.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)	
35	QPSK	1	1	24.54	24.74	24.64	25.2	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit (dB)	
30	QPSK	1	1	24.56	24.75	24.65	25.2	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	
25	QPSK	1	1	24.67	24.69	24.67	25.2	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit (dB)	
20	QPSK	1	1	24.69	24.69	24.68	25.2	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	
15	QPSK	1	1	24.67	24.69	24.60	25.2	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit (dB)	
10	QPSK	1	1	24.69	24.72	24.59	25.2	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)	
5	QPSK	1	1	24.62	24.68	24.67	25.2	0.0

n12 Ant0 DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	706.5		
15	1/2 BPSK	1	1	25.10	25.15	25.08		
15	1/2 BPSK	1	40	24.99	25.07	24.99	25.7	0.0
15	1/2 BPSK	1	77	25.04	25.12	25.02		
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5
15	1/2 BPSK	36	22	25.06	25.11	25.06	25.7	0.0
15	1/2 BPSK	36	43	24.39	24.45	24.43		
15	1/2 BPSK	75	0	24.46	24.54	24.53	25.2	0.5
15	QPSK	1	1	25.14	25.17	25.16		
15	QPSK	1	40	24.95	25.02	24.92	25.7	0.0
15	QPSK	1	77	25.09	25.15	25.09		
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0
15	QPSK	36	43	24.01	24.02	24.00		
15	QPSK	75	0	23.87	23.96	23.91	24.7	1.0
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0
15	64QAM	1	1	22.42	22.49	22.41	23.2	2.5
15	256QAM	1	1	20.50	20.52	20.48	21.2	4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit (dB)	
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit (dB)	
5	QPSK	1	1	25.03	25.14	25.14	25.7	0.0

n26 Ant0 DSI 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	25.16	25.26	25.19	25.7	0.0
20	1/2 BPSK	1	53	25.29	25.33	25.33		
20	1/2 BPSK	1	104	25.26	25.42	25.34		
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5
20	1/2 BPSK	50	28	25.25	25.38	25.27	25.7	0.0
20	1/2 BPSK	50	56	24.72	24.68	24.84	25.2	0.5
20	1/2 BPSK	100	0	24.79	24.85	24.84		
20	QPSK	1	1	25.35	25.44	25.43		
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0
20	QPSK	1	104	25.36	25.37	25.37		
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0
20	QPSK	50	28	25.18	25.37	25.32	25.7	0.0
20	QPSK	50	56	24.17	24.28	24.18	24.7	1.0
20	QPSK	100	0	24.35	24.38	24.34		
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0
20	16QAM	1	1	22.72	22.73	22.66	23.2	2.5
20	16QAM	1	1	20.41	20.42	20.35	21.2	4.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				831.5	831.5	841.5	limit	(dB)
15	QPSK	1	1	25.31	25.43	25.37	25.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				819	831.5	844	limit	(dB)
10	QPSK	1	1	25.34	25.33	25.33	25.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)
5	QPSK	1	1	25.30	25.35	25.32	25.7	0.0

n66 Ant0 DSI 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	0	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	16.53	16.44	16.48		
40	1/2 BPSK	1	108	16.54	16.51	16.55	18.2	0.0
40	1/2 BPSK	1	214	16.63	16.68	16.59		
40	1/2 BPSK	108	0	16.66	16.63	16.46	18.2	0.0
40	1/2 BPSK	108	54	16.60	16.61	16.47	18.2	0.0
40	1/2 BPSK	108	108	16.58	16.58	16.50	18.2	0.0
40	1/2 BPSK	216	0	16.69	16.57	16.69		
40	QPSK	1	1	16.67	16.73	16.55		
40	QPSK	1	108	16.69	16.60	16.47	18.2	0.0
40	QPSK	1	214	16.44	16.60	16.67		
40	QPSK	108	0	16.68	16.51	16.66	18.2	0.0
40	QPSK	108	54	16.45	16.70	16.56	18.2	0.0
40	QPSK	108	108	16.65	16.65	16.66		
40	QPSK	216	0	16.62	16.68	16.65	18.2	0.0
40	16QAM	1	1	16.58	16.50	16.57	18.2	0.0
40	16QAM	1	1	16.53	16.56	16.55	18.2	0.0
40	16QAM	1	1	16.63	16.60	16.62	18.2	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	16.63	16.65	16.44	18.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	16.63	16.71	16.43	18.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	16.60	16.66	16.43	18.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	16.58	16.72	16.44	18.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	16.57	16.72	16.40	18.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1714	1745	1772	limit	(dB)
10	QPSK	1	1	16.66	16.63	16.39	18.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	16.65	16.70	16.45	18.2	0.0

n38 Ant0 Other PA DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	24.11	24.33	24.18		
40	1/2 BPSK	1	53	24.28	24.23	24.16	24.7	0.0
40	1/2 BPSK	1	104	24.28	24.27	24.29		
40	1/2 BPSK	50	0	24.22	24.24	24.08	24.7	0.0
40	1/2 BPSK	50	26	24.15	24.31	24.14	24.7	0.0
40	1/2 BPSK	50	56	24.27	24.20	24.16	24.7	0.0
40	1/2 BPSK	100	0	24.20	24.25	24.16		
40	QPSK	1	1	24.32	24.24	24.23		
40	QPSK	1	53	24.23	24.31	24.19	24.7	0.0
40	QPSK	1	104	24.15	24.11	24.27		
40	QPSK	50	0	24.25	24.22	24.24	24.7	0.0
40	QPSK	50	26	24.08	24.25	24.10	24.7	0.0
40	QPSK	50	56	24.17	24.17	24.25	24.7	0.0
40	QPSK	100	0	24.09	24.25	24.17		
40	QPSK	100	0	24.26	24.13	24.26		
40	16QAM	1	1	23.05	23.07	22.97	23.2	1.5
40	64QAM	1	1	20.94	21.03	21.00	21.2	3.5
40	256QAM	1	1	20.94	21.03	21.00	21.2	3.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.01	2595	2604.99	limit (dB)	
30	1/2 BPSK	1	1	24.02	24.27	24.15	24.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.52	2595	2607.48	limit (dB)	
25	1/2 BPSK	1	1	24.05	24.24	24.15	24.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610	limit (dB)	
20	1/2 BPSK	1	1	24.05	24.23	24.15	24.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)	
15	1/2 BPSK	1	1	24.05	24.25	24.13	24.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.96	limit (dB)	
10	1/2 BPSK	1	1	24.04	24.30	24.17	24.7	0.0

n41 Ant0 Other PA DSI 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	24.19	24.32	24.08		
100	1/2 BPSK	1	137	24.21	24.16	24.25	24.7	0.0
100	1/2 BPSK	1	271	24.26	24.28	24.21		
100	1/2 BPSK	135	0	24.28	24.16	24.06	24.7	0.0
100	1/2 BPSK	135	69	24.20	24.30	24.10	24.7	0.0
100	1/2 BPSK	135	138	24.23	24.21	24.14	24.7	0.0
100	1/2 BPSK	270	0	24.26	24.28	24.23		
100	QPSK	1	1	24.20	24.26	24.22		
100	QPSK	1	137	24.19	24.19	24.16	25.4	0.0
100	QPSK	1	271	24.16	24.13	24.31		
100	QPSK	135	0	24.16	24.15	24.13	24.7	0.0
100	QPSK	135	69	24.16	24.28	24.10	24.7	0.0
100	QPSK	135	138	24.27	24.23	24.27	24.7	0.0
100	QPSK	270	0	24.16	24.27	24.20		
100	16QAM	1	1	24.24	24.15	24.12	24.7	0.0
100	64QAM	1	1	22.99	23.01	22.99	23.2	1.5
100	256QAM	1	1	20.92	21.00	20.98	21.2	3.5
Channel				508200	518898	528996	Tune-up MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit (dB)	
90	1/2 BPSK	1	1	24.17	24.23	24.02	24.7	0.0
Channel				507204	518898	529998	Tune-up MPR	
Frequency (MHz)				2539.02	2592.99	2646.99	limit (dB)	
90	1/2 BPSK	1	1	24.09	24.27	24.01	24.7	0.0
Channel				506202	518898	531000	Tune-up MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)	
70	1/2 BPSK	1	1	24.13	24.25	24.07	24.7	0.0
Channel				505200	518898	531896	Tune-up MPR	
Frequency (MHz)				2526	24.99	2658.96	limit (dB)	
60	1/2 BPSK	1	1	24.11	24.27	23.99	24.7	0.0
Channel				504204	518898	532998	Tune-up MPR	
Frequency (MHz)				2521.02	2592.99	2664.97	limit (dB)	
50	1/2 BPSK	1	1	24.13	24.30	23.97	24.7	0.0
Channel				503202	518898	534000	Tune-up MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)	
40	1/2 BPSK	1	1	24.10	24.24	24.02	24.7	0.0
Channel				502200	518898	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
30	1/2 BPSK	1	1	24.15	24.24	24.01	24.7	0.0
Channel				502200	518898	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
25	1/2 BPSK	1	1	24.14	24.30	24.02	24.7	0.0
Channel				501204	518898	535998	Tune-up MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)	
20	1/2 BPSK	1	1	24.08	24.23	24.06	24.7	0.0
Channel				500700	518898	536496	Tune-up MPR	
Frequency (MHz)				2500.5	2592.99	2683.48	limit (dB)	
15	1/2 BPSK	1	1	24.18	24.21	23.99	24.7	0.0
Channel				500202	518898	537000	Tune-up MPR	
Frequency (MHz)				2501.01	2592.99	2685	limit (dB)	
10	1/2 BPSK	1	1	24.13	24.26	24.03	24.7	0.0

n5 Ant1 DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				168800	167300	167600		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	25.12	25.17	25.08		
20	1/2 BPSK	1	53	25.04	25.11	25.05		
20	1/2 BPSK	1	104	25.03	25.07	25.01	25.7	0.0
20	1/2 BPSK	50	0	24.57	24.61	24.59	25.2	0.5
20	1/2 BPSK	50	28	25.05	25.15	25.14	25.7	0.0
20	1/2 BPSK	50	56	24.55	24.59	24.55	25.2	0.5
20	1/2 BPSK	100	0	24.58	24.67	24.57		
20	QPSK	1	1	25.16	25.21	25.11		
20	QPSK	1	53	25.04	25.11	25.03	25.7	0.0
20	QPSK	1	104	25.11	25.17	25.13		
20	QPSK	50	0	24.05	24.11	24.03	24.7	1.0
20	QPSK	50	28	25.08	25.11	25.02	25.7	0.0
20	QPSK	50	56	23.95	24.02	23.97	24.7	1.0
20	QPSK	100	0	24.01	24.12	24.01		
20	16QAM	1	1	24.11	24.14	24.04	24.7	1.0
20	16QAM	1	1	22.57	22.61	22.57	23.2	2.5
20	256QAM	1	1	20.34	20.43	20.41	21.2	4.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	25.09	25.10	25.05	25.7	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				830	836.5	844	limit	(dB)
10	QPSK	1	1	25.09	25.15	25.05	25.7	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	25.08	25.15	25.04	25.7	0.0

n7 Ant1 Other PA DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	21.63	21.67	21.57		
40	1/2 BPSK	1	108	21.77	21.67	21.78	22.2	0.0
40	1/2 BPSK	1	214	21.66	21.65	21.69		
40	1/2 BPSK	108	0	21.71	21.68	21.56	22.2	0.0
40	1/2 BPSK	108	54	21.68	21.74	21.62	22.2	0.0
40	1/2 BPSK	108	108	21.64	21.75	21.65		
40	1/2 BPSK	216	0	21.74	21.60	21.80	22.2	0.0
40	QPSK	1	1	21.75	21.67	21.70		
40	QPSK	1	108	21.67	21.71	21.63	22.2	0.0
40	QPSK	1	214	21.59	21.66	21.61		
40	QPSK	108	0	21.66	21.70	21.72	22.2	0.0
40	QPSK	108	54	21.65	21.65	21.58	22.2	0.0
40	QPSK	108	108	21.76	21.70	21.66	22.2	0.0
40	QPSK	216	0	21.57	21.63	21.62		
40	16QAM	1	1	21.64	21.58	21.63	22.2	0.0
40	16QAM	1	1	21.74	21.69	21.63	22.2	0.0
40	256QAM	1	1	20.68	20.75	20.67	21.2	1.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	21.70	21.60	21.69	22.2	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	21.69	21.60	21.60	22.2	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	21.65	21.64	21.60	22.2	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	QPSK	1	1	21.63	21.62	21.57	22.2	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	21.70	21.63	21.64	22.2	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	21.68	21.62	21.62	22.2	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	21.70	21.62	21.58	22.2	0.0

n12 Ant1 DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	24.92	24.98	24.95		
15	1/2 BPSK	1	40	24.85	24.91	24.81		
15	1/2 BPSK	1	77	24.85	24.90	24.83		
15	1/2 BPSK	36	0	24.27	24.37	24.35	25.2	0.5
15	1/2 BPSK	36	22	24.81	24.87	24.76	25.7	0.0
15	1/2 BPSK	36	43	24.27	24.30	24.28	25.2	0.5
15	1/2 BPSK	75	0	24.31	24.37	24.29		
15	QPSK	1	1	24.91	25.01	25.00		
15	QPSK	1	40	24.92	24.95	24.92	25.7	0.0
15	QPSK	1	77	24.83	24.85	24.85		
15	QPSK	36	0	23.91	23.94	23.84	24.7	1.0
15	QPSK	36	22	24.88	24.92	24.84	25.7	0.0
15	QPSK	36	43	23.72	23.80	23.70	24.7	1.0
15	QPSK	75	0	23.84	23.91	23.81		
15	16QAM	1	1	23.89	23.85	23.86	24.7	1.0
15	16QAM	1	1	22.25	22.32	22.29	23.2	2.5
15	256QAM	1	1	20.36	20.37	20.35	21.2	4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	706.5	711	limit	(dB)
10	QPSK	1	1	24.94	24.92	24.89	25.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	706.5	713.5	limit	(dB)
5	QPSK	1	1	24.92	24.95	24.97	25.7	0.0

n26 Ant1 DSI 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	MPR (dB)
Frequency (MHz)				824	831.5	839	
20	1/2 BPSK	1	1	25.23	25.22	25.12	
20	1/2 BPSK	1	53	25.14	25.21	25.08	25.7 0.0
20	1/2 BPSK	1	104	25.06	25.13	25.04	
20	1/2 BPSK	50	0	24.66	24.64	24.70	25.2 0.5
20	1/2 BPSK	50	26	25.10	25.18	25.18	25.7 0.0
20	1/2 BPSK	50	56	24.62	24.63	24.64	
20	1/2 BPSK	100	0	24.62	24.76	24.60	25.2 0.5
20	QPSK	1	1	25.22	25.31	25.17	
20	QPSK	1	53	25.12	25.21	25.09	25.7 0.0
20	QPSK	1	104	25.14	25.27	25.16	
20	QPSK	50	0	24.12	24.15	24.06	24.7 1.0
20	QPSK	50	26	25.12	25.13	25.04	25.7 0.0
20	QPSK	50	56	24.04	24.08	24.05	
20	QPSK	100	0	24.10	24.17	24.06	24.7 1.0
20	16QAM	1	1	24.16	24.20	24.11	24.7 1.0
20	64QAM	1	1	22.80	22.89	22.86	23.2 2.5
20	256QAM	1	1	20.38	20.54	20.44	21.2 4.5
Channel				164300	166300	168300	Tune-up MPR
Frequency (MHz)				824.5	831.5	841.5	limit (dB)
15	QPSK	1	1	25.11	25.23	25.12	25.7 0.0
Channel				163800	166300	168800	Tune-up MPR
Frequency (MHz)				810	831.5	844	limit (dB)
10	QPSK	1	1	25.15	25.27	25.09	25.7 0.0
Channel				163300	166300	169300	Tune-up MPR
Frequency (MHz)				816.5	831.5	846.5	limit (dB)
5	QPSK	1	1	23.14	23.30	23.05	23.7 0.0

n66 Ant1 DSI 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	MPR (dB)
Frequency (MHz)				1730	1745	1760	
40	1/2 BPSK	1	1	17.61	17.56	17.57	
40	1/2 BPSK	1	108	17.59	17.59	17.52	19.0 0.0
40	1/2 BPSK	1	214	17.62	17.56	17.62	
40	1/2 BPSK	108	0	17.63	17.63	17.60	19.0 0.0
40	1/2 BPSK	108	54	17.64	17.61	17.69	19.0 0.0
40	1/2 BPSK	108	108	17.59	17.61	17.55	
40	1/2 BPSK	216	0	17.64	17.54	17.55	19.0 0.0
40	QPSK	1	1	17.59	17.72	17.63	
40	QPSK	1	108	17.49	17.57	17.56	19.0 0.0
40	QPSK	1	214	17.54	17.65	17.66	
40	QPSK	108	0	17.64	17.66	17.56	19.0 0.0
40	QPSK	108	54	17.61	17.71	17.67	19.0 0.0
40	QPSK	108	108	17.66	17.60	17.67	
40	QPSK	216	0	17.53	17.63	17.53	19.0 0.0
40	16QAM	1	1	17.58	17.56	17.59	19.0 0.0
40	64QAM	1	1	17.65	17.55	17.61	19.0 0.0
40	256QAM	1	1	17.36	17.42	17.35	19.0 0.0
Channel				345500	349000	352500	Tune-up MPR
Frequency (MHz)				1727.5	1745	1767.5	limit (dB)
35	QPSK	1	1	17.65	17.65	17.54	19.0 0.0
Channel				345000	349000	353000	Tune-up MPR
Frequency (MHz)				1725	1745	1765	limit (dB)
30	QPSK	1	1	17.54	17.62	17.55	19.0 0.0
Channel				344500	349000	353500	Tune-up MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)
25	QPSK	1	1	17.43	17.65	17.55	19.0 0.0
Channel				344000	349000	354000	Tune-up MPR
Frequency (MHz)				1720	1745	1770	limit (dB)
20	QPSK	1	1	17.52	17.64	17.53	19.0 0.0
Channel				343500	349000	354500	Tune-up MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)
15	QPSK	1	1	17.64	17.65	17.57	19.0 0.0
Channel				343000	349000	355000	Tune-up MPR
Frequency (MHz)				1715	1745	1775	limit (dB)
10	QPSK	1	1	17.54	17.71	17.59	19.0 0.0
Channel				342500	349000	355500	Tune-up MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)
5	QPSK	1	1	17.57	17.69	17.57	19.0 0.0



n38 Ant1 Other PA DSI 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	1/2 BPSK	1	1	2590.02	2595	2599.98				
40	1/2 BPSK	1	53	21.80	21.86	21.70	22.2	0.0		
40	1/2 BPSK	1	104	21.81	21.81	21.87	22.2	0.0		
40	1/2 BPSK	50	0	21.82	21.87	21.84	22.2	0.0		
40	1/2 BPSK	50	28	21.86	21.94	21.85	22.2	0.0		
40	1/2 BPSK	50	56	21.83	21.75	21.77	22.2	0.0		
40	1/2 BPSK	100	0	21.85	21.90	21.86				
40	QPSK	1	1	21.89	21.95	21.81				
40	QPSK	1	53	21.83	21.84	21.72	22.2	0.0		
40	QPSK	1	104	21.76	21.73	21.81				
40	QPSK	50	0	21.81	21.80	21.87	22.2	0.0		
40	QPSK	50	28	21.73	21.92	21.89	22.2	0.0		
40	QPSK	50	56	21.84	21.86	21.77	22.2	0.0		
40	QPSK	100	0	21.88	21.89	21.77				
40	16QAM	1	1	21.84	21.77	21.73	22.2	0.0		
40	16QAM	1	1	21.77	21.76	21.77	22.2	0.0		
40	256QAM	1	1	20.79	20.81	20.74	21.2	1.0		
Channel										
30	1/2 BPSK	1	1	617002	619000	620998	Tune-up	MPR		
30	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
30	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
30	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
25	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
25	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
25	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
20	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
20	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
20	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
15	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
15	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
15	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			
10	1/2 BPSK	1	1	2385.01	2395	2404.99	limit (dB)			

n41 Ant1 Other PA DSI 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Channel				Frequency (MHz)						
				5590202	5185988	5286000				
100	1/2 BPSK	1	1	21.30	21.30	21.17	22.2	0.0		
100	1/2 BPSK	1	137	21.28	21.32	21.37				
100	1/2 BPSK	1	271	21.25	21.38	21.32				
100	1/2 BPSK	135	0	21.43	21.30	21.12	22.2	0.0		
100	1/2 BPSK	135	69	21.32	21.24	21.13	22.2	0.0		
100	1/2 BPSK	135	138	21.37	21.30	21.25	22.2	0.0		
100	1/2 BPSK	270	0	21.28	21.20	21.37				
100	QPSK	1	1	21.31	20.46	21.20				
100	QPSK	1	137	21.29	21.45	21.21	22.2	0.0		
100	QPSK	1	271	21.11	21.27	21.37				
100	QPSK	135	0	21.34	21.31	21.38	22.2	0.0		
100	QPSK	135	69	21.28	21.42	21.28	22.2	0.0		
100	QPSK	135	138	21.28	21.31	21.36	22.2	0.0		
100	QPSK	270	0	21.17	21.40	21.25				
100	16QAM	1	1	21.28	21.20	21.33	22.2	0.0		
100	16QAM	1	1	21.30	21.25	21.31	22.2	0.0		
100	256QAM	1	1	21.28	21.27	21.40	22.2	0.0		
Channel										
90	1/2 BPSK	1	1	508200	518598	528996	Tune-up	MPR		
90	1/2 BPSK	1	1	2541	2592.99	2640	limit (dB)			
90	1/2 BPSK	1	1	21.27	21.44	21.15	22.2	0.0		
Channel										
80	1/2 BPSK	1	1	507204	518598	528998	Tune-up	MPR		
80	1/2 BPSK	1	1	2536.02	2592.99	2640	limit (dB)			
80	1/2 BPSK	1	1	21.26	21.38	21.16	22.2	0.0		
80	1/2 BPSK	1	1	21.26	21.38	21.16	22.2	0.0		
80	1/2 BPSK	1	1	21.26	21.38	21.16	22.2	0.0		
70	1/2 BPSK	1	1	506202	518598	531000	Tune-up	MPR		
70	1/2 BPSK	1	1	2531.01	2592.99	2635	limit (dB)			
70	1/2 BPSK	1	1	21.21	21.39	21.17	22.2	0.0		
70	1/2 BPSK	1	1	21.21	21.39	21.17	22.2	0.0		
70	1/2 BPSK	1	1	21.21	21.39	21.17	22.2	0.0		
60	1/2 BPSK	1	1	505200	518598	531996	Tune-up	MPR		
60	1/2 BPSK	1	1	2526.02	2592.99	2630	limit (dB)			
60	1/2 BPSK	1	1	21.21	21.42	21.14	22.2	0.0		
60	1/2 BPSK	1	1	21.21	21.42	21.14	22.2	0.0		
60	1/2 BPSK	1	1	21.21	21.42	21.14	22.2	0.0		
50	QPSK	1	1	21.21	21.41	21.13	22.2	0.0		
50	QPSK	1	1	21.21	21.41	21.13	22.2	0.0		
50	QPSK	1	1	21.21	21.41	21.13	22.2	0.0		
40	QPSK	1	1	21.27	21.44	21.16	22.2	0.0		
40	QPSK	1	1	21.27	21.44	21.16	22.2	0.0		
40	QPSK	1	1	21.27	21.44	21.16	22.2	0.0		
30	QPSK	1	1	21.27	21.41	21.17	22.2	0.0		
30	QPSK	1	1	21.27	21.41	21.17	22.2	0.0		
30	QPSK	1	1	21.27	21.41	21.17	22.2	0.0		
30	QPSK	1	1	502200	518598	534598	Tune-up	MPR		
30	QPSK	1	1	2513.01	2592.99	2635	limit (dB)			
25	QPSK	1	1	21.21	21.40	21.13	22.2	0.0		
25	QPSK	1	1	21.21	21.40	21.13	22.2	0.0		
25	QPSK	1	1	21.21	21.40	21.13	22.2	0.0		
25	QPSK	1	1	501204	518598	535998	Tune-up	MPR		
25	QPSK	1	1	2503.02	2592.99	2630	limit (dB)			
20	QPSK	1	1	21.26	21.35	21.16	22.2	0.0		
20	QPSK	1	1	21.26	21.35	21.16	22.2	0.0		
20	QPSK	1	1	21.26	21.35	21.16	22.2	0.0		
15	QPSK	1	1	21.27	21.40	21.17	22.2	0.0		
15	QPSK	1	1	21.27	21.40	21.17	22.2	0.0		
15	QPSK	1	1	21.27	21.40	21.17	22.2	0.0		
15	QPSK	1	1	500202	518598	537000	Tune-up	MPR		
15	QPSK	1	1	2501.01	2592.99	2630	limit (dB)			
10	QPSK	1	1	21.23	21.42	21.17	22.2	0.0		

Part96 n48 Ant1 DSI 3										
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
40	1/2 BPSK	1	1	3570	3624.99	3679.98				
40	1/2 BPSK	1	53	22.06	22.11	22.00				
40	1/2 BPSK	1	104	22.01	22.06	22.00	23.8	0.0		
40	1/2 BPSK	50	0	21.73	21.77	21.69	23.3	0.5		
40	1/2 BPSK	50	28	21.92	21.98	21.91	23.8	0.0		
40	1/2 BPSK	50	56	21.69	21.77	21.69	23.3	0.5		
40	1/2 BPSK	100	0	21.67	21.74	21.70				
40	QPSK	1	1	22.23	22.27	22.25				
40	QPSK	1	53	21.97	22.07	21.96	23.8	0.0		
40	QPSK	1	104	21.96	22.04	21.98				
40	QPSK	50	0	21.15	21.25	21.23	22.8	1.0		
40	QPSK	50	28	22.18	22.22	22.15	23.8	0.0		
40	QPSK	50	56	21.22	21.24	21.18	22.8	1.0		
40	QPSK	100	0	21.19	21.25	21.16				
40	16QAM	1	1	21.08	21.12	21.01	22.8	1.0		
40	16QAM	1	1	19.59	19.63	19.58	21.3	2.5		
40	256QAM	1	1	17.56	17.62	17.59	19.3	4.5		
Channel										
30	1/2 BPSK	1	1	637688	641666	645666	Tune-up	MPR		
30	1/2 BPSK	1	1	3683.02	3624.99	3684.99	limit (dB)			
30	1/2 BPSK	1	1	3683.02	3624.99	3684.99	limit (dB)			
20	1/2 BPSK	1	1	637334	641666	646000	Tune-up	MPR		
20	1/2 BPSK	1	1	3650.01	3624.99	3650	limit (dB)			
20	1/2 BPSK	1	1	3650.01	3624.99	3650	limit (dB)			
20	1/2 BPSK	1	1	3650.01	3624.99	3650	limit (dB)			
Channel										
15	1/2 BPSK	1	1	637000	641666	646332	Tune-up	MPR		
15	1/2 BPSK	1	1	3675.00	3624.99	3675.00	limit (dB)			
15	1/2 BPSK	1	1	3675.00	3624.99	3675.00	limit (dB)			
10	1/2 BPSK	1	1	637000	641666	646332	Tune-up	MPR		
10	1/2 BPSK	1	1	3675.00	3624.99	3675.00	limit (dB)			
10	1/2 BPSK	1	1	3675.00	3624.99	3675.00	limit (dB)			



Part270 n77 Ant1 Other PA DSI 3 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	1	24.12	24.17	24.14		
100	1/2 BPSK	1	137	24.28	24.15	24.16		
100	1/2 BPSK	1	271	24.14	24.22	24.26		
100	1/2 BPSK	135	0	24.32	24.15	24.15	25.0	0.0
100	1/2 BPSK	135	69	24.20	24.26	24.12	25.0	0.0
100	1/2 BPSK	135	135	24.19	24.13	24.11	25.0	0.0
100	1/2 BPSK	270	0	24.28	24.18	24.20		
100	QPSK	1	1	24.25	24.34	24.13		
100	QPSK	1	137	24.22	24.28	24.08	25.0	0.0
100	QPSK	1	271	24.02	24.09	24.28		
100	QPSK	135	0	24.14	24.18	24.27	25.0	0.0
100	QPSK	135	69	24.19	24.32	24.20	25.0	0.0
100	QPSK	135	135	24.23	24.23	24.31	25.0	0.0
100	QPSK	270	0	24.11	24.26	24.20		
100	16QAM	1	1	24.26	24.13	24.08	25.0	0.0
100	16QAM	1	1	24.25	24.15	24.18	25.0	0.0
100	256QAM	1	1	21.47	21.50	21.45	23.7	1.8
Channel								
Frequency (MHz)								
90	QPSK	1	1	649688	656000	662334	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01		
90	QPSK	1	1	24.15	24.25	24.09	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	656000	662668	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	3740.01	3750	3760.02		
80	QPSK	1	1	24.23	24.30	24.08	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	656000	663000	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	3725	3750	3745		
70	QPSK	1	1	24.19	24.25	24.09	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	656000	663334	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	3720.02	3750	3760.01		
60	QPSK	1	1	24.20	24.32	24.03	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	656000	663668	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	3725.01	3750	3755.02		
50	QPSK	1	1	24.20	24.25	24.04	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	656000	664000	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	3720	3750	3750		
40	QPSK	1	1	24.20	24.23	24.11	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	656000	664334	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3765.01		
30	QPSK	1	1	24.22	24.27	24.09	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	647500	656000	664500	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	3712.5	3750	3767.5		
25	QPSK	1	1	24.19	24.29	24.11	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	656000	664668	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	3710.01	3750	3760.02		
20	QPSK	1	1	24.21	24.31	24.05	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647168	656000	664834	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	3707.52	3750	3767.51		
15	QPSK	1	1	24.17	24.28	24.06	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	656000	665000	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	3705	3750	3795		
10	QPSK	1	1	24.20	24.31	24.04	25.0	0.0

Part27Q n77 Ant1 Other PA DSI 3

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		3500.01			
100	1/2 BPSK	1	1	20.29				
100	1/2 BPSK	1	137	20.34			22.0	0.0
100	1/2 BPSK	1	271	20.34				
100	1/2 BPSK	135	0	20.22			22.0	0.0
100	1/2 BPSK	135	69	20.26			22.0	0.0
100	1/2 BPSK	135	135	20.23			22.0	0.0
100	1/2 BPSK	270	0	20.24				
100	QPSK	1	1	20.50				
100	QPSK	1	137	20.40			22.0	0.0
100	QPSK	1	271	20.30				
100	QPSK	135	0	20.26			22.0	0.0
100	QPSK	135	69	20.46			22.0	0.0
100	QPSK	135	135	20.28			22.0	0.0
100	QPSK	270	0	20.42				
100	16QAM	1	1	20.15			22.0	0.0
100	16QAM	1	1	20.29			22.0	0.0
100	256QAM	1	1	20.32			22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	3465	3500.01	3505.02		
90	QPSK	1	1	20.42	20.45	20.39	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	3450.02	3500.01	3510		
80	QPSK	1	1	20.47	20.46	20.45	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	3455.01	3500.01	3515.01		
70	QPSK	1	1	20.47	20.41	20.41	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	3450	3500.01	3520.02		
60	QPSK	1	1	20.45	20.42	20.45	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	3445.02	3500.01	3525		
50	QPSK	1	1	20.41	20.42	20.48	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	3440.01	3500.01	3530.01		
40	QPSK	1	1	20.39	20.47	20.45	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	3435	3500.01	3535.02		
30	QPSK	1	1	20.45	20.45	20.40	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	630834	633334	635834	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	3430.51	3500.01	3537.51		
25	QPSK	1	1	20.47	20.41	20.45	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	3430.02	3500.01	3540		
20	QPSK	1	1	20.44	20.41	20.43	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630500	633334	636168	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	3425	3500.01	3542.52		
15	QPSK	1	1	20.45	20.45	20.46	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	3425.01	3500.01	3545.01		
10	QPSK	1	1	20.48	20.41	20.44	22.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
					633334			
Frequency (MHz)								
100	1/2 BPSK	1		23.57				
100	1/2 BPSK	1	137	23.63			25.0	0.0
100	1/2 BPSK	1	271	23.57				
100	1/2 BPSK	136	0	23.54			25.0	0.0
100	1/2 BPSK	136	136	23.60			25.0	0.0
100	1/2 BPSK	270	0	23.61			25.0	0.0
100	1/2 BPSK	270	0	23.56			25.0	0.0
100	QPSK	1	137	23.65			25.0	0.0
100	QPSK	1	271	23.57				
100	QPSK	136	0	23.57			25.0	0.0
100	QPSK	136	68	23.67			25.0	0.0
100	QPSK	270	0	23.60			25.0	0.0
100	QPSK	270	0	23.56			25.0	0.0
100	16QAM	1	1	23.57			25.0	0.0
100	16QAM	1	136	23.60			25.0	0.0
100	256QAM	1	1	21.41			23.2	1.8
Channel								
				633000	633334	633668		
90	QPSK	1		23.66	23.61	23.66	25.0	0.0
90	QPSK	1	136	23.63	23.63	23.63	25.0	0.0
90	QPSK	1	270	23.60	23.60	23.60	25.0	0.0
90	QPSK	1	270	23.58	23.67	23.68	25.0	0.0
90	QPSK	136	0	23.57	23.63	23.66	25.0	0.0
90	QPSK	136	68	23.65	23.61	23.62	25.0	0.0
90	QPSK	270	0	23.67	23.62	23.60	25.0	0.0
90	QPSK	270	0	23.63	23.63	23.62	25.0	0.0
90	QPSK	270	0	23.59	23.64	23.63	25.0	0.0
90	QPSK	270	0	23.54	23.64	23.63	25.0	0.0
90	QPSK	270	0	23.51	23.64	23.66	25.0	0.0
90	QPSK	270	0	23.48	23.60	23.60	25.0	0.0
90	QPSK	270	0	23.46	23.63	23.64	25.0	0.0
90	QPSK	270	0	23.43	23.64	23.63	25.0	0.0
90	QPSK	270	0	23.40	23.60	23.60	25.0	0.0
90	QPSK	270	0	23.36	23.63	23.62	25.0	0.0
90	QPSK	270	0	23.33	23.63	23.63	25.0	0.0
90	QPSK	270	0	23.30	23.60	23.60	25.0	0.0
90	QPSK	270	0	23.26	23.61	23.61	25.0	0.0
90	QPSK	270	0	23.23	23.63	23.63	25.0	0.0
90	QPSK	270	0	23.20	23.60	23.60	25.0	0.0
90	QPSK	270	0	23.16	23.63	23.63	25.0	0.0
90	QPSK	270	0	23.13	23.60	23.60	25.0	0.0
90	QPSK	270	0	23.10	23.57	23.57	25.0	0.0
90	QPSK	270	0	23.06	23.54	23.54	25.0	0.0
90	QPSK	270	0	23.03	23.51	23.51	25.0	0.0
90	QPSK	270	0	23.00	23.48	23.48	25.0	0.0
90	QPSK	270	0	22.96	23.45	23.45	25.0	0.0
90	QPSK	270	0	22.93	23.42	23.42	25.0	0.0
90	QPSK	270	0	22.90	23.39	23.39	25.0	0.0
90	QPSK	270	0	22.86	23.36	23.36	25.0	0.0
90	QPSK	270	0	22.83	23.33	23.33	25.0	0.0
90	QPSK	270	0	22.80	23.30	23.30	25.0	0.0
90	QPSK	270	0	22.76	23.27	23.27	25.0	0.0
90	QPSK	270	0	22.73	23.24	23.24	25.0	0.0
90	QPSK	270	0	22.70	23.21	23.21	25.0	0.0
90	QPSK	270	0	22.66	23.18	23.18	25.0	0.0
90	QPSK	270	0	22.63	23.15	23.15	25.0	0.0
90	QPSK	270	0	22.60	23.12	23.12	25.0	0.0
90	QPSK	270	0	22.56	23.09	23.09	25.0	0.0
90	QPSK	270	0	22.53	23.06	23.06	25.0	0.0
90	QPSK	270	0	22.50	23.03	23.03	25.0	0.0
90	QPSK	270	0	22.46	23.00	23.00	25.0	0.0
90	QPSK	270	0	22.43	22.97	22.97	25.0	0.0
90	QPSK	270	0	22.40	22.94	22.94	25.0	0.0
90	QPSK	270	0	22.36	22.91	22.91	25.0	0.0
90	QPSK	270	0	22.33	22.88	22.88	25.0	0.0
90	QPSK	270	0	22.30	22.85	22.85	25.0	0.0
90	QPSK	270	0	22.26	22.82	22.82	25.0	0.0
90	QPSK	270	0	22.23	22.79	22.79	25.0	0.0
90	QPSK	270	0	22.20	22.76	22.76	25.0	0.0
90	QPSK	270	0	22.16	22.73	22.73	25.0	0.0
90	QPSK	270	0	22.13	22.70	22.70	25.0	0.0
90	QPSK	270	0	22.10	22.67	22.67	25.0	0.0
90	QPSK	270	0	22.06	22.64	22.64	25.0	0.0
90	QPSK	270	0	22.03	22.61	22.61	25.0	0.0
90	QPSK	270	0	22.00	22.58	22.58	25.0	0.0
90	QPSK	270	0	21.96	22.55	22.55	25.0	0.0
90	QPSK	270	0	21.93	22.52	22.52	25.0	0.0
90	QPSK	270	0	21.90	22.49	22.49	25.0	0.0
90	QPSK	270	0	21.86	22.46	22.46	25.0	0.0
90	QPSK	270	0	21.83	22.43	22.43	25.0	0.0
90	QPSK	270	0	21.80	22.40	22.40	25.0	0.0
90	QPSK	270	0	21.76	22.37	22.37	25.0	0.0
90	QPSK	270	0	21.73	22.34	22.34	25.0	0.0
90	QPSK	270	0	21.70	22.31	22.31	25.0	0.0
90	QPSK	270	0	21.66	22.28	22.28	25.0	0.0
90	QPSK	270	0	21.63	22.25	22.25	25.0	0.0
90	QPSK	270	0	21.60	22.22	22.22	25.0	0.0
90	QPSK	270	0	21.56	22.19	22.19	25.0	0.0
90	QPSK	270	0	21.53	22.16	22.16	25.0	0.0
90	QPSK	270	0	21.50	22.13	22.13	25.0	0.0
90	QPSK	270	0	21.46	22.10	22.10	25.0	0.0
90	QPSK	270	0	21.43	22.07	22.07	25.0	0.0
90	QPSK	270	0	21.40	22.04	22.04	25.0	0.0
90	QPSK	270	0	21.36	22.01	22.01	25.0	0.0
90	QPSK	270	0	21.33	21.98	21.98	25.0	0.0
90	QPSK	270	0	21.30	21.95	21.95	25.0	0.0
90	QPSK	270	0	21.26	21.92	21.92	25.0	0.0
90	QPSK	270	0	21.23	21.89	21.89	25.0	0.0
90	QPSK	270	0	21.20	21.86	21.86	25.0	0.0
90	QPSK	270	0	21.16	21.83	21.83	25.0	0.0
90	QPSK	270	0	21.13	21.80	21.80	25.0	0.0
90	QPSK	270	0	21.10	21.77	21.77	25.0	0.0
90	QPSK	270	0	21.06	21.74	21.74	25.0	0.0
90	QPSK	270	0	21.03	21.71	21.71	25.0	0.0
90	QPSK	270	0	21.00	21.68	21.68	25.0	0.0
90	QPSK	270	0	20.96	21.65	21.65	25.0	0.0
90	QPSK	270	0	20.93	21.62	21.62	25.0	0.0
90	QPSK	270	0	20.90	21.59	21.59	25.0	0.0
90	QPSK	270	0	20.86	21.56	21.56	25.0	0.0
90	QPSK	270	0	20.83	21.53	21.53	25.0	0.0
90	QPSK	270	0	20.80	21.50	21.50	25.0	0.0
90	QPSK	270	0	20.76	21.47	21.47	25.0	0.0
90	QPSK	270	0	20.73	21.44	21.44	25.0	0.0
90	QPSK	270	0	20.70	21.41	21.41	25.0	0.0
90	QPSK	270	0	20.66	21.38	21.38	25.0	0.0
90	QPSK	270	0	20.63	21.35	21.35	25.0	0.0
90	QPSK	270	0	20.60	21.32	21.32	25.0	0.0
90	QPSK	270	0	20.56	21.29	21.29	25.0	0.0
90	QPSK	270	0	20.53	21.26	21.26	25.0	0.0
90	QPSK	270	0	20.50	21.23	21.23	25.0	0.0
90	QPSK	270	0	20.46	21.20	21.20	25.0	0.0
90	QPSK	270	0	20.43	21.17	21.17	25.0	0.0
90	QPSK	270	0	20.40	21.14	21.14	25.0	0.0
90	QPSK	270	0	20.36	21.11	21.11	25.0	0.0
90	QPSK	270	0	20.33	21.08	21.08	25.0	0.0
90	QPSK	270	0	20.30	21.05	21.05	25.0	0.0
90	QPSK	270	0	20.26	21.02	21.02	25.0	0.0
90	QPSK	270	0	20.23	20.99	20.99	25.0	0.0
90	QPSK	270	0	20.20	20.96	20.96	25.0	0.0
90	QPSK	270	0	20.16	20.93	20.93	25.0	0.0
90	QPSK	270	0	20.13	20.90	20.90	25.0	0.0
90	QPSK	270	0	20.10	20.87	20.87	25.0	0.0
90	QPSK	270	0	20.06	20.84	20.84	25.0	0.0
90	QPSK	270	0	20.03	20.81	20.81	25.0	0.0
90	QPSK	270	0	20.00	20.78	20.78	25.0	0.0
90	QPSK	270	0	19.96	20.75	20.75	25.0	0.0
90	QPSK	270	0	19.93	20.72	20.72	25.0	0.0
90	QPSK	270	0	19.90	20.69	20.69	25.0	0.0
90	QPSK	270	0	19.86	20.66	20.66	25.0	0.0
90	QPSK	270	0	19.83	20.63	20.63	25.0	0.0
90	QPSK	270	0	19.80	20.60	20.60	25.0	0.0
90	QPSK	270	0	19.76	20.57	20.57	25.0	0.0
90	QPSK	270	0	19.73	20.54	20.54	25.0	0.0
90	QPSK	270	0	19.70	20.51	20.51	25.0	0.0
90	QPSK	270	0	19.66	20.48	20.48	25.0	0.0
90	QPSK	270	0	19.63	20.45	20.45	25.0	0.0
90	QPSK	270	0	19.60	20.42	20.42	25.0	0.0
90	QPSK	270	0	19.56	20.39	20.39	25.0	0.0
90	QPSK	270	0	19.53	20.36	20.36	25.0	0.0
90	QPSK	270	0	19.50	20.33	20.33	25.0	0.0
90	QPSK	270	0	19.46	20.30	20.30	25.0	0.0
90	QPSK	270	0	19.43	20.27	20.27	25.0	0.0
90	QPSK	270	0	19.40	20.24	20.24	25.0	0.0
90	QPSK	270	0	19.36	20.21	20.21	25.0	0.0
90	QPSK	270	0	19.33	20.18	20.18	25.0	0.0
90	QPSK	270	0	19.30	20.15	20.15	25.0	0.0
90								

Part270 n78 Ant1 Other PA DSI 3									
PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	23.54			24.5	0.0	
100	1/2 BPSK	1	137	23.51					
100	1/2 BPSK	1	271	23.66					
100	1/2 BPSK	135	0	23.52			24.5	0.0	
100	1/2 BPSK	135	69	23.56					
100	1/2 BPSK	135	138	23.61			24.5	0.0	
100	1/2 BPSK	270	0	23.48					
100	QPSK	1	1	23.70					
100	QPSK	1	137	23.69			24.5	0.0	
100	QPSK	1	271	23.60					
100	QPSK	135	0	23.60			24.5	0.0	
100	QPSK	135	69	23.68					
100	QPSK	135	138	23.56			24.5	0.0	
100	QPSK	270	0	23.61					
100	16QAM	1	1	23.59			24.5	0.0	
100	64QAM	1	1	23.58			24.5	0.0	
100	256QAM	1	1	22.16			23.2	1.3	
Channel				649668	650000	650334	Tune-up MPR		
Frequency (MHz)				3743.02	3750	3753.01	limit (dB)		
90	QPSK	1	1	23.68	23.63	23.59	24.5	0.0	
Channel				649334	650000	650668	Tune-up MPR		
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	23.60	23.62	23.60	24.5	0.0	
Channel				649000	650000	651000	Tune-up MPR		
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	23.61	23.60	23.60	24.5	0.0	
Channel				648668	650000	651334	Tune-up MPR		
Frequency (MHz)				3743.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	23.65	23.60	23.67	24.5	0.0	
Channel				648334	650000	651668	Tune-up MPR		
Frequency (MHz)				3742.01	3750	3763.02	limit (dB)		
50	QPSK	1	1	23.67	23.60	23.62	24.5	0.0	
Channel				648000	650000	652000	Tune-up MPR		
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	23.66	23.64	23.61	24.5	0.0	
Channel				647668	650000	652334	Tune-up MPR		
Frequency (MHz)				3743.02	3750	3785.01	limit (dB)		
30	QPSK	1	1	23.63	23.61	23.68	24.5	0.0	
Channel				647500	650000	652500	Tune-up MPR		
Frequency (MHz)				3742.5	3750	3771.5	limit (dB)		
25	QPSK	1	1	23.60	23.61	23.67	24.5	0.0	
Channel				647334	650000	652668	Tune-up MPR		
Frequency (MHz)				3740.01	3750	3780.02	limit (dB)		
20	QPSK	1	1	23.66	23.62	23.64	24.5	0.0	
Channel				647168	650000	652834	Tune-up MPR		
Frequency (MHz)				3707.50	3750	3782.51	limit (dB)		
15	QPSK	1	1	23.60	23.67	23.68	24.5	0.0	
Channel				647000	650000	653000	Tune-up MPR		
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1	23.67	23.65	23.61	24.5	0.0	

Part27Q n78 Ant1 Other PA DSI 3									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	20.81			21.5	0.0	
100	1/2 BPSK	1	137	20.86					
100	1/2 BPSK	1	271	20.84					
100	1/2 BPSK	135	0	20.91			21.5	0.0	
100	1/2 BPSK	135	69	20.86					
100	1/2 BPSK	135	138	20.88			21.5	0.0	
100	1/2 BPSK	270	0	20.83					
100	QPSK	1	1	21.04					
100	QPSK	1	137	21.03			21.5	0.0	
100	QPSK	1	271	20.86					
100	QPSK	135	0	20.93			21.5	0.0	
100	QPSK	135	69	21.02					
100	QPSK	135	138	20.87			21.5	0.0	
100	QPSK	270	0	20.84					
100	16QAM	1	1	20.75			21.5	0.0	
100	64QAM	1	1	20.92			21.5	0.0	
100	256QAM	1	1	20.91			21.5	0.0	
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3485	3500.01	3503.02	limit (dB)		
90	QPSK	1	1	20.95	21.02	20.99	21.5	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	20.93	21.00	21.01	21.5	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3488.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	21.00	20.99	20.99	21.5	0.0	
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3490	3500.01	3503.02	limit (dB)		
60	QPSK	1	1	21.02	20.99	20.97	21.5	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3478.02	3500.01	3505	limit (dB)		
50	QPSK	1	1	20.94	20.95	20.99	21.5	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3533.01	limit (dB)		
40	QPSK	1	1	20.95	20.99	20.97	21.5	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3468	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	21.01	20.95	21.01	21.5	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	20.94	21.03	20.98	21.5	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.00	3500.01	3540	limit (dB)		
20	QPSK	1	1	20.98	21.03	20.99	21.5	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	21.00	20.99	21.01	21.5	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	20.96	20.98	21.01	21.5	0.0	

Part27Q n78 Ant1 Other PA DSI 3 PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	23.73			24.5	0.0	
100	1/2 BPSK	1	137	23.82					
100	1/2 BPSK	1	271	23.85					
100	1/2 BPSK	135	0	23.86			24.5	0.0	
100	1/2 BPSK	135	69	23.81					
100	1/2 BPSK	135	138	23.73			24.5	0.0	
100	1/2 BPSK	270	0	23.68					
100	QPSK	1	1	23.95					
100	QPSK	1	137	23.90			24.5	0.0	
100	QPSK	1	271	23.79					
100	QPSK	135	0	23.70			24.5	0.0	
100	QPSK	135	69	23.92					
100	QPSK	135	138	23.75			24.5	0.0	
100	QPSK	270	0	23.91					
100	16QAM	1	1	23.75			24.5	0.0	
100	16QAM	1	137	23.78					
100	16QAM	1	271	23.81					
100	16QAM	135	0	23.86			24.5	0.0	
100	16QAM	135	69	23.81					
100	16QAM	135	138	23.73			24.5	0.0	
100	16QAM	270	0	23.68					
Channel				633300		633334	633696	Tune-up MPR	
Frequency (MHz)				3490	3500.01	3510.01	3520.01	limit (dB)	
90	QPSK	1	1	23.89	23.92	23.92	23.93	0.0	
Channel				633696		633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510.01	3520.01	limit (dB)	
80	QPSK	1	1	23.91	23.88	23.84	23.84	0.0	
Channel				634000		633334	634640	Tune-up MPR	
Frequency (MHz)				3490.01	3500.01	3510.01	3519.91	limit (dB)	
70	QPSK	1	1	23.93	23.90	23.84	23.84	0.0	
Channel				634640		633334	635280	Tune-up MPR	
Frequency (MHz)				3490	3500.01	3520.02	3530.02	limit (dB)	
60	QPSK	1	1	23.91	23.88	23.89	23.89	0.0	
Channel				635280		633334	635920	Tune-up MPR	
Frequency (MHz)				3470.02	3500.01	3520.01	3525.01	limit (dB)	
50	QPSK	1	1	23.84	23.92	23.92	23.93	0.0	
Channel				635920		633334	636560	Tune-up MPR	
Frequency (MHz)				3470.01	3500.01	3520.01	3525.01	limit (dB)	
40	QPSK	1	1	23.91	23.88	23.85	23.85	0.0	
Channel				636560		633334	637200	Tune-up MPR	
Frequency (MHz)				3460.01	3500.01	3520.01	3525.01	limit (dB)	
30	QPSK	1	1	23.90	23.91	23.92	23.92	0.0	
Channel				637200		633334	637840	Tune-up MPR	
Frequency (MHz)				3450.01	3500.01	3520.01	3525.01	limit (dB)	
25	QPSK	1	1	23.93	23.91	23.85	23.85	0.0	
Channel				637840		633334	638000	Tune-up MPR	
Frequency (MHz)				3430.02	3500.01	3520.01	3525.01	limit (dB)	
20	QPSK	1	1	23.94	23.89	23.82	23.82	0.0	
Channel				638000		633334	638640	Tune-up MPR	
Frequency (MHz)				3420.01	3500.01	3520.01	3525.01	limit (dB)	
15	QPSK	1	1	23.98	23.90	23.82	23.82	0.0	
Channel				638640		633334	639280	Tune-up MPR	
Frequency (MHz)				3410.01	3500.01	3520.01	3525.01	limit (dB)	
10	QPSK	1	1	23.86	23.84	23.85	23.85	0.0	



n2 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	24.30	24.38	24.31	25.3	0.0	
40	1/2 BPSK	1	108	24.37	24.41	24.33			
40	1/2 BPSK	1	214	24.40	24.42	24.31			
40	1/2 BPSK	108	0	23.66	23.75	23.72	24.8	0.5	0.5
40	1/2 BPSK	108	54	24.28	24.31	24.25	25.3	0.0	
40	1/2 BPSK	108	108	23.74	23.82	23.81	24.8	0.5	0.5
40	1/2 BPSK	216	0	23.92	23.95	23.86			
40	QPSK	1	1	24.45	24.46	24.44	25.3	0.0	
40	QPSK	1	108	24.29	24.34	24.29			
40	QPSK	1	214	24.26	24.36	24.25			
40	QPSK	108	0	23.19	23.26	23.16	24.3	1.0	1.0
40	QPSK	108	54	24.28	24.34	24.25	25.3	0.0	
40	QPSK	108	108	23.12	23.20	23.11	24.3	1.0	1.0
40	QPSK	216	0	23.33	23.35	23.25			
40	16QAM	1	1	23.14	23.19	23.13	24.3	1.0	1.0
40	64QAM	1	1	21.96	21.85	21.99	22.8	2.5	2.5
40	256QAM	1	1	19.92	19.61	19.51	20.8	4.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)		
35	QPSK	1	1	24.37	24.43	24.42	25.3	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1895	limit (dB)		
30	QPSK	1	1	24.30	24.44	24.23	25.3	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1897.5	limit (dB)		
25	QPSK	1	1	24.38	24.32	24.40	25.3	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1880	1900	limit (dB)		
20	QPSK	1	1	24.33	24.32	24.35	25.3	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5	limit (dB)		
15	QPSK	1	1	24.28	24.39	24.33	25.3	0.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1855	1880	1905	limit (dB)		
10	QPSK	1	1	24.32	24.29	24.36	25.3	0.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1880	1907.5	limit (dB)		
5	QPSK	1	1	24.43	24.44	24.38	25.3	0.0	0.0

n7 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	25.25	25.34	25.30		25.7	0.0
40	1/2 BPSK	1	108	25.16	25.22	25.12			
40	1/2 BPSK	1	214	25.19	25.24	25.20			
40	1/2 BPSK	108	0	24.68	24.75	24.64	25.2	0.5	0.5
40	1/2 BPSK	108	54	25.27	25.32	25.22	25.7		
40	1/2 BPSK	108	108	24.83	24.89	24.79	25.2		
40	1/2 BPSK	216	0	24.71	24.77	24.68		0.0	0.0
40	QPSK	1	1	25.31	25.37	25.35			
40	QPSK	1	108	25.14	25.24	25.16	25.7		
40	QPSK	1	214	25.13	25.19	25.13		1.0	1.0
40	QPSK	108	0	24.17	24.25	24.21	24.7		
40	QPSK	108	54	25.17	25.27	25.24	25.7		
40	QPSK	108	108	24.07	24.10	24.09	24.7	1.0	1.0
40	QPSK	216	0	24.31	24.35	24.27			
40	16QAM	1	1	24.29	24.31	24.28	24.7		
40	64QAM	1	1	22.70	22.80	22.77	23.2	2.5	2.5
40	256QAM	1	1	20.58	20.66	20.58	21.2		
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	25.23	25.31	25.24	25.7	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	limit (dB)		
30	QPSK	1	1	25.24	25.33	25.32	25.7	0.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	25.20	25.33	25.29	25.7	0.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	1/2 BPSK	1	1	25.20	25.30	25.25	25.7	0.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	25.24	25.32	25.30	25.7	0.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2532	2565	limit (dB)		
10	QPSK	1	1	25.24	25.28	25.29	25.7	0.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	25.22	25.34	25.33	25.7	0.0	0.0

n66 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	24.98	25.03	24.93	25.7	0.0	
40	1/2 BPSK	1	108	24.74	24.82	24.76			
40	1/2 BPSK	1	214	24.72	24.77	24.68			
40	1/2 BPSK	108	0	24.62	24.68	24.59	25.2	0.5	0.5
40	1/2 BPSK	108	54	24.76	24.83	24.81	25.7		
40	1/2 BPSK	108	108	24.57	24.63	24.58	25.2		
40	1/2 BPSK	216	0	24.70	24.78	24.71	25.7	0.0	0.0
40	QPSK	1	1	25.14	25.26	25.14			
40	QPSK	1	108	24.84	24.71	24.68	25.7		
40	QPSK	1	214	24.78	24.85	24.84		1.0	1.0
40	QPSK	108	0	24.09	24.15	24.11	24.7		
40	QPSK	108	54	24.89	24.95	24.91	25.7		
40	QPSK	108	108	24.12	24.16	24.08	24.7	1.0	1.0
40	QPSK	216	0	24.15	24.21	24.12			
40	16QAM	1	1	24.01	24.02	23.94	24.7		
40	64QAM	1	1	22.49	22.59	22.56	23.2	2.5	2.5
40	256QAM	1	1	20.46	20.55	20.50	21.2		
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)		
35	QPSK	1	1	25.12	25.15	25.05	25.7	0.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	limit (dB)		
30	QPSK	1	1	25.08	25.20	25.09	25.7	0.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	QPSK	1	1	25.03	25.24	25.09	25.7	0.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	25.09	25.17	25.12	25.7	0.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)		
15	QPSK	1	1	25.11	25.20	25.11	25.7	0.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	limit (dB)		
10	QPSK	1	1	25.05	25.18	25.05	25.7	0.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)		
5	QPSK	1	1	24.98	25.15	25.27	25.7	0.0	0.0



n38 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	25.05	25.15	25.01		
40	1/2 BPSK	1	53	24.94	25.03	24.98	25.7	0.0
40	1/2 BPSK	1	104	24.89	24.98	24.96		
40	1/2 BPSK	50	0	24.55	24.64	24.57	25.2	0.5
40	1/2 BPSK	50	26	25.05	25.09	25.05	25.7	0.0
40	1/2 BPSK	50	56	24.37	24.41	24.39	25.2	0.5
40	1/2 BPSK	100	0	24.52	24.58	24.53		
40	QPSK	1	1	25.07	25.17	25.07		
40	QPSK	1	53	24.89	24.93	24.88	25.7	0.0
40	QPSK	1	104	24.86	24.90	24.86		
40	QPSK	50	0	23.97	24.03	23.98	24.7	1.0
40	QPSK	50	26	24.85	24.91	24.85	25.7	0.0
40	QPSK	50	56	23.89	23.91	23.89	24.7	1.0
40	QPSK	100	0	24.07	24.12	24.06		
40	16QAM	1	1	23.93	23.98	23.95	24.7	1.0
40	16QAM	1	1	22.59	22.61	22.52	23.2	2.5
40	256QAM	1	1	20.54	20.56	20.53	21.2	4.5
Channel				517002	519000	520998	Tune-up MPR	
Frequency (MHz)				2583.01	2595	2604.99	limit (dB)	
30	QPSK	1	1	24.95	25.15	25.02	25.7	0.0
Channel				516504	519000	521496	Tune-up MPR	
Frequency (MHz)				2592.52 <td>2595</td> <td>2607.48</td> <td>limit (dB)</td> <td></td>	2595	2607.48	limit (dB)	
25	QPSK	1	1	25.05	25.10	24.97	25.7	0.0
Channel				516000	519000	522000	Tune-up MPR	
Frequency (MHz)				2590 <td>2595</td> <td>2610</td> <td>limit (dB)</td> <td></td>	2595	2610	limit (dB)	
20	QPSK	1	1	25.04	25.14	25.03	25.7	0.0
Channel				515502	519000	522498	Tune-up MPR	
Frequency (MHz)				2577.51 <td>2595</td> <td>2612.49</td> <td>limit (dB)</td> <td></td>	2595	2612.49	limit (dB)	
15	QPSK	1	1	25.03	25.12	25.03	25.7	0.0
Channel				515004	519000	522996	Tune-up MPR	
Frequency (MHz)				2593.02 <td>2595</td> <td>2614.98</td> <td>limit (dB)</td> <td></td>	2595	2614.98	limit (dB)	
10	QPSK	1	1	25.03	25.16	24.98	25.7	0.0

n41 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	24.94	25.05	24.99		
100	1/2 BPSK	1	137	24.94	25.01	24.97	25.7	0.0
100	1/2 BPSK	1	271	25.08	25.11	25.07		
100	1/2 BPSK	135	0	24.94	25.05	24.96	25.7	0.0
100	1/2 BPSK	135	69	24.97	25.07	25.05	25.7	0.0
100	1/2 BPSK	135	138	25.00	25.09	24.99	25.7	0.0
100	1/2 BPSK	270	0	25.04	25.09	25.06		
100	QPSK	1	1	25.16	25.18	25.12		
100	QPSK	1	137	24.95	25.02	24.95	25.7	0.0
100	QPSK	1	271	25.04	25.12	25.07		
100	QPSK	135	0	24.95	25.00	24.94	25.7	0.0
100	QPSK	135	69	25.04	25.07	24.97	25.7	0.0
100	QPSK	135	138	24.95	25.05	24.97	25.7	0.0
100	QPSK	270	0	24.11	24.16	24.12		
100	16QAM	1	1	24.84	24.91	24.85	25.7	0.0
100	16QAM	1	1	24.94	24.96	24.95	25.2	0.5
100	256QAM	1	1	23.38	23.42	23.35	23.7	2.0
Channel				508200	518598	528996	Tune-up MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit (dB)	
90	QPSK	1	1	25.06	25.15	25.07	25.7	0.0
Channel				507204	518598	529998	Tune-up MPR	
Frequency (MHz)				2536.02	2592.99	2648.99	limit (dB)	
80	QPSK	1	1	25.09	25.13	25.03	25.7	0.0
Channel				506202	518598	531000	Tune-up MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)	
70	QPSK	1	1	25.05	25.15	25.05	25.7	0.0
Channel				505200	518598	531696	Tune-up MPR	
Frequency (MHz)				2526	2592.99	2658.98	limit (dB)	
60	QPSK	1	1	25.08	25.11	25.10	25.7	0.0
Channel				504204	518598	532998	Tune-up MPR	
Frequency (MHz)				2521.02	2592.99	2664.97	limit (dB)	
50	QPSK	1	1	25.14	25.14	25.03	25.7	0.0
Channel				503202	518598	534000	Tune-up MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)	
40	QPSK	1	1	25.07	25.11	25.07	25.7	0.0
Channel				502200	518598	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
30	QPSK	1	1	25.07	25.14	25.10	25.7	0.0
Channel				502200	518598	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
25	QPSK	1	1	25.14	25.08	25.07	25.7	0.0
Channel				501204	518598	535998	Tune-up MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)	
20	QPSK	1	1	25.14	25.16	25.01	25.7	0.0
Channel				500700	518598	536496	Tune-up MPR	
Frequency (MHz)				2500.5	2592.99	2683.48	limit (dB)	
15	QPSK	1	1	25.08	25.10	25.02	25.7	0.0
Channel				500202	518598	537000	Tune-up MPR	
Frequency (MHz)				2491.01	2592.99	2688	limit (dB)	
10	QPSK	1	1	25.05	25.11	25.06	25.7	0.0



n2 Ant6 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				374000	376000	378000						
Frequency (MHz)				1870	1880	1890						
40	1/2 BPSK	1	1	23.59	23.65	23.58	25.2	0.0				
40	1/2 BPSK	1	108	23.56	23.62	23.51						
40	1/2 BPSK	1	214	23.79	23.87	23.77						
40	1/2 BPSK	108	0	23.13	23.19	23.09				24.7		
40	1/2 BPSK	108	54	23.58	23.65	23.59	25.2			0.0		
40	1/2 BPSK	108	108	23.14	23.16	23.11	24.7			0.5		
40	1/2 BPSK	216	0	23.17	23.26	23.25						
40	QPSK	1	1	23.81	23.91	23.85	25.2			0.0		
40	QPSK	1	108	23.66	23.69	23.58						
40	QPSK	1	214	23.85	23.90	23.83						
40	QPSK	108	0	22.62	22.64	22.55						24.2
40	QPSK	108	54	23.68	23.73	23.71	25.2			0.0		
40	QPSK	108	108	22.66	22.73	22.64	24.2			1.0		
40	QPSK	216	0	22.74	22.81	22.73	24.2			1.0		
40	16QAM	1	1	22.41	22.52	22.47	24.2			1.0		
40	16QAM	1	1	20.96	21.04	20.98	22.7			2.5		
40	256QAM	1	1	19.91	19.98	19.93	20.7			4.5		
Channel				373500	376000	378500	Tune-up limit (dB)			MPR		
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)					
35	QPSK	1	1	23.77	23.84	23.74	25.2			0.0		
Channel				373000	376000	379000	Tune-up limit (dB)			MPR		
Frequency (MHz)				1865	1880	1895	limit (dB)					
30	QPSK	1	1	23.74	23.80 <td>23.76</td> <td>25.2</td> <td>0.0</td> <td></td>	23.76	25.2			0.0		
Channel				372500	376000	379500	Tune-up limit (dB)			MPR		
Frequency (MHz)				1862.5	1880	1897.5	limit (dB)					
25	QPSK	1	1	23.75	23.87	23.83	25.2			0.0		
Channel				372000	376000	380000	Tune-up limit (dB)			MPR		
Frequency (MHz)				1860	1880	1900	limit (dB)					
20	QPSK	1	1	23.76	23.86	23.83	25.2			0.0		
Channel				371500	376000	380500	Tune-up limit (dB)			MPR		
Frequency (MHz)				1857.5	1880	1902.5	limit (dB)					
15	QPSK	1	1	23.74	23.90	23.74	25.2			0.0		
Channel				371000	376000	381000	Tune-up limit (dB)			MPR		
Frequency (MHz)				1855	1880	1905	limit (dB)					
10	QPSK	1	1	23.80	23.82	23.76	25.2			0.0		
Channel				370500	376000	381500	Tune-up limit (dB)			MPR		
Frequency (MHz)				1852.5	1880	1907.5	limit (dB)					
5	QPSK	1	1	23.75	23.80	23.80	25.2			0.0		

n7 Ant6 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	24.90	24.94	24.87		25.7	0.0	
40	1/2 BPSK	1	108	24.99	25.03	24.97				
40	1/2 BPSK	1	214	24.91	25.00	24.92				
40	1/2 BPSK	108	0	24.44	24.49	24.40	25.2			
40	1/2 BPSK	108	54	25.00	25.05	25.01	25.7	0.0		
40	1/2 BPSK	108	108	24.43	24.49	24.47	25.2	0.5		
40	1/2 BPSK	216	0	24.56	24.66	24.62				
40	QPSK	1	1	25.00	25.05	25.00				
40	QPSK	1	108	24.81	24.83	24.73	25.7	0.0		
40	QPSK	1	214	24.94	25.02	24.93				
40	QPSK	108	0	23.85	24.03	23.88	24.7	1.0		
40	QPSK	108	54	24.72	24.83	24.81	25.7	0.0		
40	QPSK	108	108	23.80	23.71	23.66	24.7	1.0		
40	QPSK	216	0	23.86	23.89	23.85				
40	16QAM	1	1	23.55	23.60	23.50	24.7	1.0		
40	16QAM	1	1	22.01	22.12	22.08	23.2	2.5		
40	256QAM	1	1	20.01	20.08	19.99	21.2	4.5		
Channel				503500	507000	510500	Tune-up limit (dB)	MPR		
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)			
35	QPSK	1	1	24.96	24.95	24.89	25.7	0.0		
Channel				503000	507000	511000	Tune-up limit (dB)	MPR		
Frequency (MHz)				2515	2535	2555	limit (dB)			
30	QPSK	1	1	24.93	24.96	24.93	25.7	0.0		
Channel				502500	507000	511500	Tune-up limit (dB)	MPR		
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)			
25	QPSK	1	1	24.93	25.03	24.99	25.7	0.0		
Channel				502000	507000	512000	Tune-up limit (dB)	MPR		
Frequency (MHz)				2510	2535	2560	limit (dB)			
20	1/2 BPSK	1	1	24.89	24.97	24.94	25.7	0.0		
Channel				501500	507000	512500	Tune-up limit (dB)	MPR		
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)			
15	QPSK	1	1	24.95	25.00	24.91	25.7	0.0		
Channel				501000	507000	513000	Tune-up limit (dB)	MPR		
Frequency (MHz)				2505	2535	2565	limit (dB)			
10	QPSK	1	1	24.91	25.03	24.93	25.7	0.0		
Channel				500500	507000	513500	Tune-up limit (dB)	MPR		
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)			
5	QPSK	1	1	24.93	24.97	24.99	25.7	0.0		

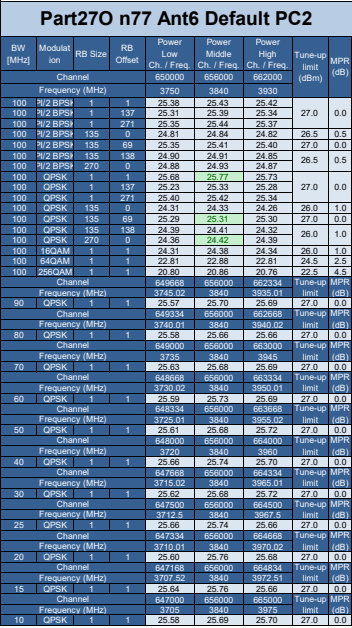
n66 Ant6 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				346000	349000	352000					
Frequency (MHz)				1730	1745	1760					
40	1/2 BPSK	1	1	24.27	24.31	24.21	25.7	0.0			
40	1/2 BPSK	1	108	23.97	23.99	23.93					
40	1/2 BPSK	1	214	24.06	24.10	24.03					
40	1/2 BPSK	108	0	23.37	23.45	23.36					
40	1/2 BPSK	108	54	23.96	23.98	23.88	25.2			0.5	
40	1/2 BPSK	108	108	23.35	23.45	23.37	25.2			0.5	
40	1/2 BPSK	216	0	23.53	23.55	23.45					
40	QPSK	1	1	24.35	24.38	24.34					
40	QPSK	1	108	23.91	23.93	23.90	25.7			0.0	
40	QPSK	1	214	24.00	24.10	24.04					
40	QPSK	108	0	22.95	23.00	22.96	24.7			1.0	
40	QPSK	108	54	23.95	23.99	23.90	25.7			0.0	
40	QPSK	108	108	22.85	22.84	22.90	24.7			1.0	
40	QPSK	216	0	23.02	23.09	23.00					
40	16QAM	1	1	23.12	23.21	23.12	24.7			1.0	
40	16QAM	1	1	21.62	21.70	21.68	23.2			2.5	
40	256QAM	1	1	19.53	19.61	19.56	21.2			4.5	
Channel				345500	349000	352500	Tune-up limit (dB)			MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)				
35	QPSK	1	1	24.28	24.35	24.32	25.7			0.0	
Channel				345000	349000	353000	Tune-up limit (dB)			MPR	
Frequency (MHz)				1725	1745	1765	limit (dB)				
30	QPSK	1	1	24.32	24.32	24.23	25.7			0.0	
Channel				344500	349000	353500	Tune-up limit (dB)			MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)				
25	QPSK	1	1	24.32	24.31	24.23	25.7			0.0	
Channel				344000	349000	354000	Tune-up limit (dB)			MPR	
Frequency (MHz)				1720	1745	1770	limit (dB)				
20	QPSK	1	1	24.25	24.34	24.33	25.7			0.0	
Channel				343500	349000	354500	Tune-up limit (dB)			MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)				
15	QPSK	1	1	24.32	24.33	24.31	25.7			0.0	
Channel				343000	349000	355000	Tune-up limit (dB)			MPR	
Frequency (MHz)				1715	1745	1775	limit (dB)				
10	QPSK	1	1	24.26	24.28	24.27	25.7	0.0			
Channel				342500	349000	355500	Tune-up limit (dB)	MPR			
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)				
5	QPSK	1	1	24.50	24.52	24.50	25.7	0.0			



n38 Ant6 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2590.02	2595	2599.98				
40	1/2 BPSK	1	1	24.59	24.66	24.63		25.5	0.0	
40	1/2 BPSK	1	53	24.31	24.38	24.26				
40	1/2 BPSK	1	104	24.25	24.31	24.29				
40	1/2 BPSK	50	0	23.90	23.97	23.95	25.0	0.5		
40	1/2 BPSK	50	28	24.37	24.47	24.36	25.5	0.0		
40	1/2 BPSK	50	56	23.77	23.80	23.77	25.0	0.5		
40	1/2 BPSK	100	0	23.61	23.68	23.64				
40	QPSK	1	1	24.63	24.60	24.65				
40	QPSK	1	53	24.36	24.40	24.37	25.5	0.0		
40	QPSK	1	104	24.36	24.40	24.32				
40	QPSK	50	0	23.43	23.50	23.43	24.5	1.0		
40	QPSK	50	28	24.37	24.40	24.35	25.5	0.0		
40	QPSK	50	56	23.20	23.28	23.22	24.5	1.0		
40	QPSK	100	0	23.38	23.45	23.39				
40	16QAM	1	1	23.40	23.51	23.45	24.5	1.0		
40	16QAM	1	1	22.03	22.06	21.99	23.0	2.5		
40	256QAM	1	1	19.90	19.98	19.92	21.0	4.5		
Channel										
Frequency (MHz)				517002	519000	520998	Tune-up	MPR		
30	QPSK	1	1	24.53	24.61	24.59	limit (dB)			
Channel										
Frequency (MHz)				516604	519000	521496	Tune-up	MPR		
25	QPSK	1	1	24.59	24.61	24.63	limit (dB)			
Channel										
Frequency (MHz)				516000	519000	522000	Tune-up	MPR		
20	QPSK	1	1	2500	2505	2510	limit (dB)			
Channel										
Frequency (MHz)				515602	519000	522498	Tune-up	MPR		
15	QPSK	1	1	23.77	23.81	23.77	limit (dB)			
Channel										
Frequency (MHz)				515004	519000	522996	Tune-up	MPR		
10	QPSK	1	1	24.54	24.67	24.58	limit (dB)			
Channel										
Frequency (MHz)				514202	519000	521498	Tune-up	MPR		
10	QPSK	1	1	24.54	24.67	24.58	25.5	0.0		

n41 Ant6 Default										
BW [MHz]	Module ion	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)				509202	518598	528000				
100	1/2 BPSK	1	1	24.06	24.08	23.97		25.7	0.0	
100	1/2 BPSK	1	137	23.99	24.10	24.02				
100	1/2 BPSK	1	271	24.17	24.22	24.16				
100	1/2 BPSK	135	0	24.03	24.09	24.00	25.7	0.0		
100	1/2 BPSK	135	69	24.02	24.13	24.04		25.7		
100	1/2 BPSK	135	138	24.19	24.20	24.11	25.7	0.0		
100	1/2 BPSK	270	0	24.06	24.16	24.15				
100	QPSK	1	1	24.17	24.25	24.14				
100	QPSK	1	137	24.00	24.11	24.02	25.7	0.0		
100	QPSK	1	271	24.22	24.23	24.16				
100	QPSK	135	0	24.06	24.12	24.03	25.7	0.0		
100	QPSK	135	69	24.16	24.19	24.08	25.7	0.0		
100	QPSK	135	138	24.08	24.18	24.12	25.7	0.0		
100	QPSK	270	0	24.12	24.20	24.10				
100	16QAM	1	1	24.08	24.10	24.01	25.7	0.0		
100	64QAM	1	1	24.02	24.06	23.95	25.2	0.5		
100	256QAM	1	1	22.50	22.55	22.48	23.7	2.0		
Channel										
Frequency (MHz)				508200	518598	528996	Tune-up	MPR		
90	QPSK	1	1	24.13	24.23	24.07	25.7			
Channel										
Frequency (MHz)				507204	518598	529998	Tune-up	MPR		
80	QPSK	1	1	24.05	24.22	24.12	25.7			
Channel										
Frequency (MHz)				506202	518598	531000	Tune-up	MPR		
70	QPSK	1	1	2531.01	2592.99	2655	limit (dB)			
Channel										
Frequency (MHz)				505200	518598	531996	Tune-up	MPR		
60	QPSK	1	1	24.08	24.17	24.11	25.7	0.0		
Channel										
Frequency (MHz)				504204	518598	532998	Tune-up	MPR		
50	QPSK	1	1	24.16	24.19	24.03	25.7	0.0		
Channel										
Frequency (MHz)				503202	518598	534000	Tune-up	MPR		
40	QPSK	1	1	24.07	24.21	24.07	25.7	0.0		
Channel										
Frequency (MHz)				502200	518598	534996	Tune-up	MPR		
30	QPSK	1	1	24.09	24.20	24.08	25.7	0.0		
Channel										
Frequency (MHz)				502200	518598	534996	Tune-up	MPR		
25	QPSK	1	1	24.08	24.24	24.06	25.7	0.0		
Channel										
Frequency (MHz)				501204	518598	535996	Tune-up	MPR		
20	QPSK	1	1	24.12	24.19	24.09	25.7	0.0		
Channel										
Frequency (MHz)				500700	518598	536496	Tune-up	MPR		
15	QPSK	1	1	24.11	24.20	24.10	25.7	0.0		
Channel										
Frequency (MHz)				500202	518598	537000	Tune-up	MPR		
10	QPSK	1	1	24.09	24.21	24.05	25.7	0.0		

Part96 n48 Ant6 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)				3570	3624.99	3679.98				
40	1/2 BPSK	1	1	24.10	24.12	24.05		25.5	0.0	
40	1/2 BPSK	1	53	23.94	24.00	23.99				
40	1/2 BPSK	1	104	23.96	24.00	23.92				
40	1/2 BPSK	50	0	23.62	23.63	23.61	25.0	0.5		
40	1/2 BPSK	50	28	24.04	24.13	24.04	25.5	0.0		
40	1/2 BPSK	50	56	23.51	23.57	23.47	25.0	0.5		
40	1/2 BPSK	100	0	23.53	23.59	23.53				
40	QPSK	1	1	24.11	24.15	24.06				
40	QPSK	1	53	24.01	24.02	23.98	25.5	0.0		
40	QPSK	1	104	23.96	23.98	23.92				
40	QPSK	50	0	23.02	23.09	23.02	24.5	1.0		
40	QPSK	50	28	24.01	24.05	23.97	25.5	0.0		
40	QPSK	50	56	22.98	23.05	23.00	24.5	1.0		
40	QPSK	100	0	22.95	23.05	23.02				
40	16QAM	1	1	22.97	23.02	22.91	24.5	1.0		
40	64QAM	1	1	21.49	21.58	21.54	23.0	2.5		
40	256QAM	1	1	19.48	19.53	19.45	21.0	4.5		
Channel										
Frequency (MHz)				356502	3624.99	3684.99	limit (dB)			
30	QPSK	1	1	24.01	24.13	24.00	25.5	0.0		
Channel										
Frequency (MHz)				356501	3624.99	3690	limit (dB)			
Channel										
Frequency (MHz)				356510	3624.99	3690.99	limit (dB)			
Channel										
Frequency (MHz)				637168	641666	646166	Tune-up	MPR		
15	QPSK	1	1	3557.52	3624.99	3692.49	limit (dB)			
Channel										
Frequency (MHz)				637000	641666	646332	Tune-up	MPR		
10	QPSK	1	1	3555	3624.99	3694.98	limit (dB)			
Channel										
Frequency (MHz)				6355	3624.99	3694.98	limit (dB)	25.5		



Part27Q n77 Ant6 Default									
RW [MHz]	Module ID	RB Size	RB Offset	Power Low Ch. Offset	Power Middle Ch. Offset	Power High Ch. Offset	Tune-up limit (dBm)	MPR (dB)	
Channel									
		Frequency (MHz)			3500.01				
100	1/2 BPSK	1	1	23.81			25.5	0.0	
100	1/2 BPSK	1	137	23.81			25.5	0.0	
100	1/2 BPSK	1	271	23.98			25.5	0.0	
100	1/2 BPSK	135	0	23.81			25.5	0.0	
100	1/2 BPSK	135	69	23.81			25.5	0.0	
100	1/2 BPSK	135	138	23.89			25.5	0.0	
100	1/2 BPSK	270	0	23.85			25.5	0.0	
100	QPSK	1	137	23.77			25.5	0.0	
100	QPSK	1	271	23.77			25.5	0.0	
100	QPSK	135	0	23.77			25.5	0.0	
100	QPSK	135	69	23.92			25.5	0.0	
100	QPSK	135	138	23.92			25.5	0.0	
100	QPSK	270	0	23.84			25.5	0.0	
100	16QAM	1	1	23.70			25.5	0.0	
100	16QAM	1	137	23.70			25.5	0.0	
100	256QAM	1	1	21.29			23.0	2.5	
Channel									
		Frequency (MHz)		633500	633334	633608	Tune-up	MPR	
90	QPSK	1	1	23.93	23.93	23.93	25.5	0.0	
90	QPSK	1	1	633334	633334	633334	Tune-up	MPR	
80	QPSK	1	1	3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	33.87	23.95	23.91	25.5	0.0	
80	QPSK	1	1	33.87	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	24.00	23.96	23.91	25.5	0.0	
70	QPSK	1	1	3333.33	3333.33	3333.33	limit (dB)		
60	QPSK	1	1	3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	23.78	23.99	23.94	25.5	0.0	
50	QPSK	1	1	3410.01	3500.01	3520.01	limit (dB)		
50	QPSK	1	1	33.92	3500.01	3525	limit (dB)		
40	QPSK	1	1	23.96	23.93	23.87	25.5	0.0	
40	QPSK	1	1	3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	23.92	23.94	23.92	25.5	0.0	
Channel									
		Frequency (MHz)		631000	633334	635668	Tune-up	MPR	
30	QPSK	1	1	3485	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	23.93	23.93	23.96	25.5	0.0	
30	QPSK	1	1	630834	633334	635834	Tune-up	MPR	
25	QPSK	1	1	349251	3500.01	353751	limit (dB)		
25	QPSK	1	1	24.09	23.93	23.96	25.5	0.0	
25	QPSK	1	1	630668	633334	636000	Tune-up	MPR	
20	QPSK	1	1	3500.02	3500.01	3535.01	limit (dB)		
20	QPSK	1	1	23.98	23.95	23.89	25.5	0.0	
20	QPSK	1	1	630500	633334	636166	Tune-up	MPR	
15	QPSK	1	1	3495	3500.01	3530.01	limit (dB)		
15	QPSK	1	1	24.00	23.98	23.94	25.5	0.0	
15	QPSK	1	1	630334	633334	636334	Tune-up	MPR	
10	QPSK	1	1	3490	3500.01	3530.01	limit (dB)		
10	QPSK	1	1	23.94	23.92	23.92	25.5	0.0	

Part27Q n77 Ant6 Default PC2									
[BW MHz]	Module ID	RB Size	RB Offset	Power Low dBm	Power Middle dBm	Power High dBm	Tune-up Time (μm)	APR (dB)	
Channel									
Frequency (MHz)					3500.01				
100	102	2BPS	1	1	25.56				
100	102	2BPS	137	1	25.52		27.0		
100	102	2BPS	1	271	25.59				
100	102	2BPS	135	0	25.13		26.5	0.5	
100	102	2BPS	135	68	25.58		26.5	0.5	
100	102	2BPS	135	138	25.26		26.5	0.5	
100	102	2BPS	270	0	25.21				
100	102	2BPS	270	1	25.51				
100	102	2BPS	1	137	25.50		27.0	0.0	
100	102	2BPS	1	271	25.51				
100	102	2BPS	135	0	24.56		26.0	1.0	
100	102	2BPS	135	68	25.41		26.0	0.0	
100	102	2BPS	135	138	25.58		26.0	0.0	
100	102	2BPS	270	0	24.72		26.0	1.0	
100	102	2BPS	270	1	24.56		26.0	1.0	
100	102	2BPS	1	1	23.09		24.5	0.0	
100	102	2BPS	1	1	21.05		22.5	4.5	
Channel									
Frequency (MHz)					6330.00				
90	102	QPSK	1	1	25.78	28.80	25.78	27.0	0.0
90	102	QPSK	1	137	25.78	28.80	25.78	27.0	0.0
90	102	QPSK	1	271	25.78	28.80	25.78	27.0	0.0
90	102	QPSK	1	135	3490.02	3500.01	3510	limit	(dB)
80	102	QPSK	1	1	26.71	26.75	26.75	27.0	0.0
80	102	QPSK	1	137	26.71	26.75	26.75	27.0	0.0
80	102	QPSK	1	271	26.71	26.75	26.75	27.0	0.0
70	102	QPSK	1	1	26.70	26.74	26.73	27.0	0.0
70	102	QPSK	1	137	26.70	26.74	26.73	27.0	0.0
70	102	QPSK	1	271	26.70	26.74	26.73	27.0	0.0
60	102	QPSK	1	1	25.77	26.73	26.80	27.0	0.0
60	102	QPSK	1	137	25.77	26.73	26.80	27.0	0.0
60	102	QPSK	1	271	25.77	26.73	26.80	27.0	0.0
50	102	QPSK	1	1	3470.02	3500.01	3525	limit	(dB)
50	102	QPSK	1	137	3470.02	3500.01	3525	limit	(dB)
50	102	QPSK	1	271	3470.02	3500.01	3525	limit	(dB)
40	102	QPSK	1	1	25.75	25.74	25.80	27.0	0.0
40	102	QPSK	1	137	25.75	25.74	25.80	27.0	0.0
40	102	QPSK	1	271	25.75	25.74	25.80	27.0	0.0
Channel									
Frequency (MHz)					6310.00				
30	102	QPSK	1	1	3465	3500.01	3535.02	limit	(dB)
30	102	QPSK	1	137	3465	3500.01	3535.02	limit	(dB)
30	102	QPSK	1	271	3465	3500.01	3535.02	limit	(dB)
Channel									
Frequency (MHz)					6308.34				
25	102	QPSK	1	1	3462.51	3500.01	3537.51	limit	(dB)
25	102	QPSK	1	137	3462.51	3500.01	3537.51	limit	(dB)
25	102	QPSK	1	271	3462.51	3500.01	3537.51	limit	(dB)
Channel									
Frequency (MHz)					6306.68				
20	102	QPSK	1	1	3460.02	3500.01	3540.01	limit	(dB)
20	102	QPSK	1	137	3460.02	3500.01	3540.01	limit	(dB)
20	102	QPSK	1	271	3460.02	3500.01	3540.01	limit	(dB)
Channel									
Frequency (MHz)					6305.00				

Part270 n78 Ant6 Default									
RW [MHz]	Module on Channel	RB Size	RB Offset	Power Low Ch. [dBm]	Power Middle Ch. [dBm]	Power High Ch. [dBm]	Turn-on (s)	MPR (dB)	
	Channel				655000				
	Frequency (MHz)				3750				
100	QPSK 1	1	1	23.81	23.81		25.5	0.0	
100	QPSK 1	137	1	23.81	23.81		25.5	0.0	
100	QPSK 1	271	1	23.86	23.86		25.5	0.0	
100	QPSK 135	6	0	23.87	23.87		25.5	0.0	
100	QPSK 135	138	0	23.87	23.87		25.5	0.0	
100	QPSK 135	270	0	23.81	23.81		25.5	0.0	
100	QPSK 1	137	241	23.74	23.74		25.5	0.0	
100	QPSK 1	271	241	23.74	23.74		25.5	0.0	
100	QPSK 135	6	23.74	23.74	23.74		25.5	0.0	
100	QPSK 135	69	23.86	23.86	23.86		25.5	0.0	
100	QPSK 135	138	23.86	23.86	23.86		25.5	0.0	
100	QPSK 135	270	0	23.78	23.78		25.5	0.0	
100	12QAM 1	1	1	23.78	23.78		25.5	0.0	
100	12QAM 1	137	1	23.78	23.78		25.5	0.0	
100	256QAM 1	1	1	21.39	21.39		23.0	2.5	
	Channel			64686	650000	650334	Turn-on	MPR	
	Frequency (MHz)				3750	3750	(s)	(dB)	
90	QPSK 1	1	24.05	23.98	24.05	24.05	25.5	0.0	
	Channel			650000	650000	650000			
	Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK 1	1	24.01	24.03	24.02	24.02	25.5	0.0	
	Channel			650000	650000	650000			
	Frequency (MHz)				3735	3750	3765		
70	QPSK 1	1	23.68	24.05	24.05	24.05	25.5	0.0	
	Channel			650000	650000	650000			
	Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK 1	1	23.99	24.02	24.04	24.04	25.5	0.0	
	Channel			650000	650000	650000			
	Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK 1	1	23.97	24.02	24.02	24.02	25.5	0.0	
	Channel			650000	650000	650000			
	Frequency (MHz)				3720	3750	3780		
40	QPSK 1	1	23.89	24.02	24.02	24.04	25.5	0.0	
	Channel			64768	650000	652334	Turn-on	MPR	
	Frequency (MHz)				3715.02	3750	3785.01	(s)	
30	QPSK 1	1	24.03	23.99	23.99	23.99	25.5	0.0	
	Channel			647500	650000	652000	Turn-on	MPR	
	Frequency (MHz)				3712.5	3750	3787.5	(s)	
25	QPSK 1	1	24.00	23.99	24.02	24.02	25.5	0.0	
	Channel			647300	650000	652668	Turn-on	MPR	
	Frequency (MHz)				3710.01	3750	3790.01	(s)	
20	QPSK 1	1	24.05	24.02	24.02	23.89	25.5	0.0	
	Channel			647168	650000	652824	Turn-on	MPR	
	Frequency (MHz)				3707.5	3750	3792.5	(s)	
15	QPSK 1	1	24.02	24.05	24.05		25.5	0.0	
	Channel			647000	650000	653000	Turn-on	MPR	
	Frequency (MHz)				3705	3750	3795	(s)	
10	QPSK 1	1	24.03	24.01	23.97	23.97	25.5	0.0	

Part270 n78 Ant6 Default PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	1/2 BPSK	1	1	25.51	3750				
100	1/2 BPSK	1	137	25.45				27.2	0.0
100	1/2 BPSK	1	271	25.75					
100	1/2 BPSK	135	0	25.02				26.7	0.5
100	1/2 BPSK	135	69	25.44				27.2	0.0
100	1/2 BPSK	135	138	25.07				26.7	0.5
100	1/2 BPSK	270	0	24.95					
100	QPSK	1	1	25.85					
100	QPSK	1	137	25.38				27.2	0.0
100	QPSK	1	271	25.78					
100	QPSK	135	0	24.40				26.2	1.0
100	QPSK	135	69	25.40				27.2	0.0
100	QPSK	135	138	24.59				26.2	1.0
100	QPSK	270	0	24.48					
100	16QAM	1	1	24.40				26.2	1.0
100	64QAM	1	1	22.94				24.7	2.5
100	256QAM	1	1	20.91				22.7	4.5
Channel									
90	Frequency (MHz)	649688	650000	650334			Tune-up MPR		
		3743.02	3750	3753.01	limit (dB)				
90	QPSK	1	1	25.81	25.78	25.76	27.2	0.0	
Channel									
80	Frequency (MHz)	649334	650000	650668			Tune-up MPR		
		3740.01	3750	3760.02	limit (dB)				
80	QPSK	1	1	25.84	25.76	25.81	27.2	0.0	
Channel									
70	Frequency (MHz)	649000	650000	651000			Tune-up MPR		
		3735	3750	3765	limit (dB)				
70	QPSK	1	1	25.84	25.76	25.73	27.2	0.0	
Channel									
60	Frequency (MHz)	648668	650000	651334			Tune-up MPR		
		3730.02	3750	3770.01	limit (dB)				
60	QPSK	1	1	25.77	25.80	25.81	27.2	0.0	
Channel									
50	Frequency (MHz)	648334	650000	651668			Tune-up MPR		
		3725.01	3750	3775.02	limit (dB)				
50	QPSK	1	1	25.76	25.77	25.80	27.2	0.0	
Channel									
40	Frequency (MHz)	648000	650000	652000			Tune-up MPR		
		3720	3750	3780	limit (dB)				
40	QPSK	1	1	25.84	25.82	25.80	27.2	0.0	
Channel									
30	Frequency (MHz)	647668	650000	652334			Tune-up MPR		
		3715.02	3750	3785.01	limit (dB)				
30	QPSK	1	1	25.79	25.79	25.74	27.2	0.0	
Channel									
25	Frequency (MHz)	647500	650000	652500			Tune-up MPR		
		3712.5	3750	3787.5	limit (dB)				
25	QPSK	1	1	25.82	25.83	25.77	27.2	0.0	
Channel									
20	Frequency (MHz)	647334	650000	652668			Tune-up MPR		
		3710.01	3750	3790.02	limit (dB)				
20	QPSK	1	1	25.74	25.84	25.80	27.2	0.0	
Channel									
15	Frequency (MHz)	647168	650000	652834			Tune-up MPR		
		3707.52	3750	3792.51	limit (dB)				
15	QPSK	1	1	25.84	25.78	25.78	27.2	0.0	
Channel									
10	Frequency (MHz)	647000	650000	653000			Tune-up MPR		
		3705	3750	3795	limit (dB)				
10	QPSK	1	1	25.76	25.82	25.78	27.2	0.0	

Part27Q n78 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					3500.01				
100	1/2 BPSK	1	1		23.81			25.5	0.0
100	1/2 BPSK	1	137		23.77				
100	1/2 BPSK	1	271		24.01				
100	1/2 BPSK	135	0		23.75			25.5	0.0
100	1/2 BPSK	135	69		23.81			25.5	0.0
100	1/2 BPSK	135	138		23.89			25.5	0.0
100	1/2 BPSK	270	0		23.83				
100	QPSK	1	1		24.07				
100	QPSK	1	137		23.81			25.5	0.0
100	QPSK	1	271		24.02				
100	QPSK	135	0		23.72			25.5	0.0
100	QPSK	135	69		23.85			25.5	0.0
100	QPSK	135	138		23.89			25.5	0.0
100	QPSK	270	0		23.80				
100	16QAM	1	1		23.73			25.5	0.0
100	64QAM	1	1		23.26			25.0	0.5
100	256QAM	1	1		21.25			23.0	2.5
Channel									
90	Frequency (MHz)			633000	633334	633668	Tune-up limit (dB)		
				3485	3500.01	3505.02			
90	QPSK	1	1	23.39	24.02	24.00	25.5	0.0	
Channel									
80	Frequency (MHz)			632668	633334	634000	Tune-up limit (dB)		
				3480.02	3500.01	3510			
80	QPSK	1	1	24.03	23.98	24.02	25.5	0.0	
Channel									
70	Frequency (MHz)			632334	633334	634334	Tune-up limit (dB)		
				3485.01	3500.01	3515.01			
70	QPSK	1	1	23.39	23.97	24.03	25.5	0.0	
Channel									
60	Frequency (MHz)			632000	633334	634668	Tune-up limit (dB)		
				3480	3500.01	3520.02			
60	QPSK	1	1	24.02	23.95	24.01	25.5	0.0	
Channel									
50	Frequency (MHz)			631668	633334	635000	Tune-up limit (dB)		
				3475.02	3500.01	3525			
50	QPSK	1	1	24.00	23.88	24.01	25.5	0.0	
Channel									
40	Frequency (MHz)			631334	633334	635334	Tune-up limit (dB)		
				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.98	24.04	24.01	25.5	0.0	
Channel									
30	Frequency (MHz)			631000	633334	635668	Tune-up limit (dB)		
				3465	3500.01	3535.02			
30	QPSK	1	1	24.06	24.00	23.99	25.5	0.0	
Channel									
25	Frequency (MHz)			630834	633334	635834	Tune-up limit (dB)		
				3462.51	3500.01	3537.51			
25	QPSK	1	1	24.05	24.05	24.05	25.5	0.0	
Channel									
20	Frequency (MHz)			630668	633334	636000	Tune-up limit (dB)		
				3460.02	3500.01	3540			
20	QPSK	1	1	23.89	23.97	24.01	25.5	0.0	
Channel									
15	Frequency (MHz)			630500	633334	636168	Tune-up limit (dB)		
				3457.5	3500.01	3542.52			
15	QPSK	1	1	23.97	24.06	24.00	25.5	0.0	
Channel									
10	Frequency (MHz)			630334	633334	636334	Tune-up limit (dB)		
				3455.01	3500.01	3545.01			
10	QPSK	1	1	24.00	24.04	24.00	25.5	0.0	

Part27Q n78 Default PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	1/2 BPSK	1	1		3500.01				
100	1/2 BPSK	1	137		25.66		27.2	0.0	
100	1/2 BPSK	1	271		25.79				
100	1/2 BPSK	135	0		25.04		26.7	0.5	
100	1/2 BPSK	135	69		25.35		27.2	0.0	
100	1/2 BPSK	135	138		25.27		26.7	0.5	
100	1/2 BPSK	270	0		25.11				
100	QPSK	1	1		25.86				
100	QPSK	1	137		25.57		27.2	0.0	
100	QPSK	1	271		24.50				
100	QPSK	135	0		25.57		26.2	1.0	
100	QPSK	135	69		24.54		27.2	0.0	
100	QPSK	135	138		24.55		26.2	1.0	
100	16QAM	1	1		24.83		26.2	1.0	
100	64QAM	1	1		23.01		24.7	2.5	
100	256QAM	1	1		21.10		22.7	4.5	
Channel									
90	Frequency (MHz)	633000	633334	633668			Tune-up MPR		
		3465	3500.01	3505.02	limit (dB)				
90	QPSK	1	1	25.78	25.80	25.83	27.2	0.0	
Channel									
80	Frequency (MHz)	633000	633334	633668			Tune-up MPR		
		3465	3500.01	3510.01	3515.01	3520.01	limit (dB)		
80	QPSK	1	1	25.82	25.78	25.77	27.2	0.0	
80	QPSK	1	137	633000	633334	633668	27.2	0.0	
80	QPSK	1	271	3465	3500.01	3515.01			
80	QPSK	1	137	25.76	25.79	25.78	27.2	0.0	
80	QPSK	1	271	633134	633334	633534			
80	QPSK	1	137	3470	3500.01	3505.02	limit (dB)		
80	QPSK	1	271	25.76	25.79	25.78	27.2	0.0	
80	QPSK	1	137	633134	633334	633534			
80	QPSK	1	271	3470	3500.01	3505.02	limit (dB)		
80	QPSK	1	137	25.85	25.80	25.80	27.2	0.0	
80	QPSK	1	271	633134	633334	633534			
80	QPSK	1	137	3470	3500.01	3505.01	limit (dB)		
80	QPSK	1	271	25.79	25.78	25.85	27.2	0.0	
80	QPSK	1	137	633100	633334	633568			
80	QPSK	1	271	3465	3500.01	3505.02	limit (dB)		
30	QPSK	1	1	25.76	25.78	25.78	27.2	0.0	
30	QPSK	1	137	630234	633334	636464			
30	QPSK	1	271	630434	633334	636564			
25	QPSK	1	1	630234	3500.01	3505.01	27.2	0.0	
25	QPSK	1	137	630434	633334	636600			
25	QPSK	1	271	630602	633334	636700			
25	QPSK	1	137	3467	3500.01	3505.01	limit (dB)		
25	QPSK	1	271	630500	633334	636816			
25	QPSK	1	137	3474	3500.01	3505.01	limit (dB)		
25	QPSK	1	271	630500	633334	636816			
25	QPSK	1	137	3482	3500.01	3505.01	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3488	3500.01	3505.01	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.01	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25	QPSK	1	137	3490	3500.01	3505.02	limit (dB)		
25	QPSK	1	271	630334	633334	636834			
25									



Part96 n48 Ant7 DSI 3										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR		
Channel				638000	641666	645332				
Frequency (MHz)				3570	3524.99	3579.98				
40 1/2 BPSK	1	1	20.41	20.38	20.40		21.2	0.0		
40 1/2 BPSK	1	53	20.45	20.36	20.35					
40 1/2 BPSK	1	104	20.48	20.34	20.49					
40 1/2 BPSK	50	26	20.51	20.53	20.47	21.2	0.0			
40 1/2 BPSK	50	56	20.51	20.50	20.46	21.2	0.0			
40 1/2 BPSK	100	0	20.47	20.46	20.52	21.2	0.0			
40 QPSK	1	1	20.53	20.37	20.40	21.2	0.0			
40 QPSK	1	53	20.57	20.60	20.50					
40 QPSK	1	104	20.45	20.44	20.51					
40 QPSK	50	0	20.51	20.55	20.57	21.2	0.0			
40 QPSK	50	26	20.45	20.64	20.47	21.2	0.0			
40 QPSK	50	56	20.54	20.57	20.60	21.2	0.0			
40 QPSK	100	0	20.44	20.60	20.55	21.2	0.0			
40 16QAM	1	1	20.44	20.36	20.45	21.2	0.0			
40 16QAM	1	1	20.45	20.46	20.38	21.2	0.0			
40 256QAM	1	1	20.53	20.51	20.52	21.2	0.0			
Channel				637668	641666	645666	Tune-up	MPR		
Frequency (MHz)				3550.02	3524.39	3554.32	limit (dBm)			
30 QPSK	1	1	20.50	20.54	20.53	21.2	0.0			
Channel				637334	641666	646000	Tune-up	MPR		
Frequency (MHz)				3550.01	3524.39	3550	limit (dBm)			
20 QPSK	1	1	20.49	20.63	20.37	21.2	0.0			
Channel				637168	641666	646166	Tune-up	MPR		
Frequency (MHz)				3557.52	3524.39	3562.40	limit (dBm)			
15 QPSK	1	1	20.42	20.66	20.35	21.2	0.0			
Channel				637000	641666	646332	Tune-up	MPR		
Frequency (MHz)				3550	3524.39	3564.36	limit (dBm)			
10 QPSK	1	1	20.44	20.61	20.38	21.2	0.0			

Part270 n77 Ant7 DSI 3										
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	1/2 BPSK	1	1	19.08	19.06	19.22	20.0	0.0		
100	1/2 BPSK	1	137	19.27	19.17	19.13				
100	1/2 BPSK	1	271	19.26	19.25	19.26				
100	1/2 BPSK	135	0	19.31	19.11	19.09	20.0	0.0		
100	1/2 BPSK	135	69	19.19	19.25	19.13	20.0	0.0		
100	1/2 BPSK	135	138	19.25	19.10	19.09	20.0	0.0		
100	1/2 BPSK	270	0	19.17	19.11	19.29	20.0	0.0		
100	QPSK	1	1	19.29	19.35	19.20	20.0	0.0		
100	QPSK	1	137	19.22	19.30	19.17				
100	QPSK	1	271	19.10	19.12	19.23				
100	QPSK	135	0	19.23	19.17	19.21	20.0	0.0		
100	QPSK	135	69	19.13	19.32	19.15	20.0	0.0		
100	QPSK	135	138	19.18	19.27	19.26	20.0	0.0		
100	QPSK	270	0	19.13	19.25	19.24	20.0	0.0		
100	16QAM	1	1	19.26	19.17	19.08	20.0	0.0		
100	16QAM	1	1	19.24	19.20	19.21	20.0	0.0		
100	256QAM	1	1	19.26	19.32	19.21	20.0	0.0		
Channel				646668	656000	662334	Tune-up	MPR		
Frequency (MHz)				3745.02	3740	3735.01	limit (dB)			
90	QPSK	1	1	19.21	19.33	19.15	20.0	0.0		
Channel				649334	656000	662668	Tune-up	MPR		
Frequency (MHz)				3740.01	3740	3740.02	limit (dB)			
80	QPSK	1	1	19.25	19.30	19.15	20.0	0.0		
Channel				649000	656000	663000	Tune-up	MPR		
Frequency (MHz)				3735	3740	3745	limit (dB)			
70	QPSK	1	1	19.23	19.26	19.15	20.0	0.0		
Channel				646668	656000	663334	Tune-up	MPR		
Frequency (MHz)				3740.02	3740	3740.01	limit (dB)			
60	QPSK	1	1	19.19	19.26	19.14	20.0	0.0		
Channel				648334	656000	663668	Tune-up	MPR		
Frequency (MHz)				3735.01	3740	3735.02	limit (dB)			
50	QPSK	1	1	19.20	19.33	19.16	20.0	0.0		
Channel				646000	656000	664000	Tune-up	MPR		
Frequency (MHz)				3720	3740	3740	limit (dB)			
40	QPSK	1	1	19.22	19.24	19.18	20.0	0.0		
Channel				647668	656000	664334	Tune-up	MPR		
Frequency (MHz)				3715.02	3740	3715.01	limit (dB)			
30	QPSK	1	1	19.23	19.34	19.10	20.0	0.0		
Channel				647500	656000	664500	Tune-up	MPR		
Frequency (MHz)				3712.5	3740	3712.5	limit (dB)			
25	QPSK	1	1	19.24	19.32	19.19	20.0	0.0		
Channel				647334	656000	664668	Tune-up	MPR		
Frequency (MHz)				3710.01	3740	3710.02	limit (dB)			
20	QPSK	1	1	19.19	19.27	19.12	20.0	0.0		
Channel				647168	656000	664834	Tune-up	MPR		
Frequency (MHz)				3707.52	3740	3707.51	limit (dB)			
15	QPSK	1	1	19.19	19.24	19.16	20.0	0.0		
Channel				647000	656000	665000	Tune-up	MPR		
Frequency (MHz)				3705	3740	3705	limit (dB)			
10	QPSK	1	1	19.22	19.33	19.14	20.0	0.0		

Part270 n77 Ant7 DSI 3 PC2										
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	1/2 BPSK	1	1	22.02	22.07	22.06	23.0	0.0		
100	1/2 BPSK	1	137	22.13	22.05	22.05				
100	1/2 BPSK	1	271	22.09	22.18	22.14				
100	1/2 BPSK	135	0	22.10	22.06	22.06	23.0	0.0		
100	1/2 BPSK	135	69	22.05	22.07	22.02	23.0	0.0		
100	1/2 BPSK	135	138	22.02	22.04	22.09	23.0	0.0		
100	1/2 BPSK	270	0	22.16	21.96	22.06	23.0	0.0		
100	QPSK	1	1	22.20	22.27	22.15	23.0	0.0		
100	QPSK	1	137	22.11	22.23	22.10				
100	QPSK	1	271	22.03	22.12	22.13				
100	QPSK	135	0	22.06	22.06	22.17	23.0	0.0		
100	QPSK	135	69	22.05	22.24	21.97	23.0	0.0		
100	QPSK	135	138	22.10	22.09	22.11	23.0	0.0		
100	QPSK	270	0	22.05	22.21	22.15	23.0	0.0		
100	16QAM	1	1	22.12	22.09	22.12	23.0	0.0		
100	16QAM	1	1	22.06	22.09	22.08	23.0	0.0		
100	256QAM	1	1	22.17	22.18	22.07	23.0	0.0		
Channel				649668	656000	662334	Tune-up	MPR		
Frequency (MHz)				3745.02	3740	3735.01	limit (dB)			
90	QPSK	1	1	22.14	22.18	22.12	23.0	0.0		
Channel				649334	656000	662668	Tune-up	MPR		
Frequency (MHz)				3740.01	3740	3740.02	limit (dB)			
80	QPSK	1	1	22.17	22.22	22.09	23.0	0.0		
Channel				649000	656000	663000	Tune-up	MPR		
Frequency (MHz)				3735	3740	3745	limit (dB)			
70	QPSK	1	1	22.10	22.20	22.05	23.0	0.0		
Channel				646668	656000	663334	Tune-up	MPR		
Frequency (MHz)				3730.02	3740	3730.01	limit (dB)			
60	QPSK	1	1	22.13	22.22	22.03	23.0	0.0		
Channel				646334	656000	663668	Tune-up	MPR		
Frequency (MHz)				3725.01	3740	3725.02	limit (dB)			
50	QPSK	1	1	22.10	22.18	22.05	23.0	0.0		
Channel				646000	656000	664000	Tune-up	MPR		
Frequency (MHz)				3720	3740	3720	limit (dB)			
40	QPSK	1	1	22.12	22.18	22.05	23.0	0.0		
Channel				645668	656000	664334	Tune-up	MPR		
Frequency (MHz)				3717.02	3740	3717.01	limit (dB)			
30	QPSK	1	1	22.15	22.23	22.10	23.0	0.0		
Channel				645334	656000	664668	Tune-up	MPR		
Frequency (MHz)				3712.30	3740	3712.30	limit (dB)			
25	QPSK	1	1	22.13	22.23	22.09	23.0	0.0		
Channel				645000	656000	664999	Tune-up	MPR		
Frequency (MHz)				3710.01	3740	3710.01	limit (dB)			
20	QPSK	1	1	22.14	22.24	22.09	23.0	0.0		
Channel				644668	656000	665434	Tune-up	MPR		
Frequency (MHz)				3707.30	3740	3707.30	limit (dB)			
15	QPSK	1	1	22.15	22.24	22.09	23.0	0.0		
Channel				644334	656000	665800	Tune-up	MPR		
Frequency (MHz)				3704.30	3740	3704.30	limit (dB)			
10	QPSK	1	1	22.10	22.25	22.13	23.0	0.0		

Part27Q n77 Ant7 DSI 3 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		21.85		23.0	0.0	
100	1/2 BPSK	1	137		22.01				
100	1/2 BPSK	1	271		22.03				
100	1/2 BPSK	135	0		21.91		23.0	0.0	
100	1/2 BPSK	135	69		21.99		23.0	0.0	
100	1/2 BPSK	135	138		22.05		23.0	0.0	
100	1/2 BPSK	270	0		21.96				
100	QPSK	1	1		22.15				
100	QPSK	1	137		22.01		23.0	0.0	
100	QPSK	1	271		22.01				
100	QPSK	135	0		21.92		23.0	0.0	
100	QPSK	135	69		22.11		23.0	0.0	
100	QPSK	135	138		21.99		23.0	0.0	
100	QPSK	270	0		22.08				
100	16QAM	1	1		21.87		23.0	0.0	
100	64QAM	1	1		22.02		23.0	0.0	
100	256QAM	1	1		22.09		23.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	23.0	0.0	
90	QPSK	1	1						
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	23.0	0.0	
80	QPSK	1	1						
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	23.0	0.0	
70	QPSK	1	1						
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	23.0	0.0	
60	QPSK	1	1						
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	23.0	0.0	
50	QPSK	1	1						
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	23.0	0.0	
40	QPSK	1	1						
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	23.0	0.0	
30	QPSK	1	1						
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	23.0	0.0	
25	QPSK	1	1						
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1						
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.5	23.0	0.0	
15	QPSK	1	1						
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	23.0	0.0	
10	QPSK	1	1						

Part27O n78 Ant7 DSI 3									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		19.66		20.5	0.0	
100	1/2 BPSK	1	137		19.67				
100	1/2 BPSK	1	271		19.67				
100	1/2 BPSK	135	0		19.72		20.5	0.0	
100	1/2 BPSK	135	69		19.78		20.5	0.0	
100	1/2 BPSK	135	138		19.67		20.5	0.0	
100	1/2 BPSK	270	0		19.59				
100	QPSK	1	1		19.37				
100	QPSK	1	137		19.74		20.5	0.0	
100	QPSK	1	271		19.67				
100	QPSK	135	0		19.65		20.5	0.0	
100	QPSK	135	69		19.82		20.5	0.0	
100	QPSK	135	138		19.78		20.5	0.0	
100	QPSK	270	0		19.75				
100	16QAM	1	1		19.57		20.5	0.0	
100	64QAM	1	1		19.69		20.5	0.0	
100	256QAM	1	1		19.69		20.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	20.5	0.0	
90	QPSK	1	1						
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	20.5	0.0	
80	QPSK	1	1						
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	20.5	0.0	
70	QPSK	1	1						
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	20.5	0.0	
60	QPSK	1	1						
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	20.5	0.0	
50	QPSK	1	1						
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	20.5	0.0	
40	QPSK	1	1						
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	20.5	0.0	
30	QPSK	1	1						
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	20.5	0.0	
25	QPSK	1	1						
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	20.5	0.0	
20	QPSK	1	1						
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	20.5	0.0	
15	QPSK	1	1						
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	20.5	0.0	
10	QPSK	1	1						

Part27O n78 Ant7 DSI 3 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1		22.17		23.5	0.0	
100	1/2 BPSK	1	137		22.33				
100	1/2 BPSK	1	271		22.26				
100	1/2 BPSK	135	0		22.24		23.5	0.0	
100	1/2 BPSK	135	69		22.36		23.5	0.0	
100	1/2 BPSK	135	138		22.35		23.5	0.0	
100	1/2 BPSK	270	0		22.25				
100	QPSK	1	1		22.44				
100	QPSK	1	137		22.41		23.5	0.0	
100	QPSK	1	271		22.16				
100	QPSK	135	0		22.25		23.5	0.0	
100	QPSK	135	69		22.42		23.5	0.0	
100	QPSK	135	138		22.33		23.5	0.0	
100	QPSK	270	0		22.40				
100	16QAM	1	1		22.15		23.5	0.0	
100	64QAM	1	1		22.24		23.5	0.0	
100	256QAM	1	1		22.40		23.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)		
90	Frequency (MHz)	3745.92	3750	649668	650000	650334	23.5	0.0	
90	QPSK	1	1	649334	3750	649668	23.5	0.0	
80	Frequency (MHz)	3740.01	3750	648000	650000	651600	23.5	0.0	
80	QPSK	1	1	648000	650000	651600	23.5	0.0	
Channel				3735	3750	3765	Tune-up limit (dBm)		
70	Frequency (MHz)	3735.00	3750	646868	650000	651334	23.5	0.0	
70	QPSK	1	1	646868	650000	651334	23.5	0.0	
Channel				3730.02	3750	3770.01	Tune-up limit (dBm)		
60	Frequency (MHz)	3725.01	3750	645334	650000	651668	23.5	0.0	
60	QPSK	1	1	645334	650000	651668	23.5	0.0	
Channel				3725.01	3750	3775.01	Tune-up limit (dBm)		
50	Frequency (MHz)	3720.01	3750	644000	650000	652000	23.5	0.0	
50	QPSK	1	1	644000	650000	652000	23.5	0.0	
Channel				3720.01	3750	3770.01	Tune-up limit (dBm)		
40	Frequency (MHz)	3715.00	3750	642668	650000	652334	23.5	0.0	
40	QPSK	1	1	642668	650000	652334	23.5	0.0	
Channel				3715.00	3750	3785.01	Tune-up limit (dBm)		
30	Frequency (MHz)	3710.01	3750	641334	650000	652668	23.5	0.0	
30	QPSK	1	1	641334	650000	652668	23.5	0.0	
Channel				3710.01	3750	3790.01	Tune-up limit (dBm)		
25	Frequency (MHz)	3707.58	3750	640868	650000	652868	23.5	0.0	
25	QPSK	1	1	640868	650000	652868	23.5	0.0	
Channel				3707.58	3750	3797.58	Tune-up limit (dBm)		
20	Frequency (MHz)	3706.00	3750	640668	650000	652934	23.5	0.0	
20	QPSK	1	1	640668	650000	652934	23.5	0.0	
Channel				3706.00	3750	3799.00	Tune-up limit (dBm)		
15	Frequency (MHz)	3704.00	3750	640500	650000	653000	23.5	0.0	
15	QPSK	1	1	640500	650000	653000	23.5	0.0	
Channel				3705.00	3750	3795.00	Tune-up limit (dBm)		
10	Frequency (MHz)	3703.00	3750	640334	650000	653168	23.5	0.0	
10	QPSK	1	1	640334	650000	653168	23.5	0.0	
Channel				3703.00	3750	3793.00	Tune-up limit (dBm)		

Part27Q n78 Ant7 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		19.63			
100	1/2 BPSK	1	137		19.63			
100	1/2 BPSK	1	271		19.68		20.5	0.0
100	1/2 BPSK	135	0		19.69		20.5	0.0
100	1/2 BPSK	135	69		19.67		20.5	0.0
100	1/2 BPSK	135	138		19.70		20.5	0.0
100	1/2 BPSK	270	0		19.69		20.5	0.0
100	QPSK	1	1		19.85			
100	QPSK	1	137		19.83		20.5	0.0
100	QPSK	1	271		19.84			
100	QPSK	135	0		19.74		20.5	0.0
100	QPSK	135	69		19.83		20.5	0.0
100	QPSK	135	138		19.76		20.5	0.0
100	QPSK	270	0		19.77		20.5	0.0
100	16QAM	1	1		19.69		20.5	0.0
100	16QAM	1	1		19.73		20.5	0.0
100	256QAM	1	1		19.74		20.5	0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1				20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dB)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1				20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1				20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1				20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dB)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1				20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1				20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1				20.5	0.0
Channel				630834	633334	635834	Tune-up limit (dB)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1				20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1				20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dB)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1				20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dB)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1				20.5	0.0

Part27Q n78 Ant7 DSI 3 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		22.31			
100	1/2 BPSK	1	137		22.40		23.5	0.0
100	1/2 BPSK	1	271		22.43		23.5	0.0
100	1/2 BPSK	135	0		22.40		23.5	0.0
100	1/2 BPSK	135	69		22.34		23.5	0.0
100	1/2 BPSK	135	138		22.35		23.5	0.0
100	1/2 BPSK	270	0		22.36		23.5	0.0
100	QPSK	1	1		22.51			
100	QPSK	1	137		22.48		23.5	0.0
100	QPSK	1	271		22.28			
100	QPSK	135	0		22.33		23.5	0.0
100	QPSK	135	69		22.49		23.5	0.0
100	QPSK	135	138		22.48		23.5	0.0
100	QPSK	270	0		22.42		23.5	0.0
100	16QAM	1	1		22.27		23.5	0.0
100	16QAM	1	1		22.31		23.5	0.0
100	256QAM	1	1		22.41		23.5	0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1				23.5	0.0
Channel				632668	633334	634000	Tune-up limit (dB)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1				23.5	0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1				23.5	0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1				23.5	0.0
Channel				631668	633334	635000	Tune-up limit (dB)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1				23.5	0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1				23.5	0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1				23.5	0.0
Channel				630834	633334	635834	Tune-up limit (dB)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1				23.5	0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1				23.5	0.0
Channel				630500	633334	636168	Tune-up limit (dB)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1				23.5	0.0
Channel				630334	633334	636334	Tune-up limit (dB)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1				23.5	0.0



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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	1/2 BPSK	1	1	20.24	20.29	20.27		
40	1/2 BPSK	1	53	20.08	20.16	20.15	22.0	0.0
40	1/2 BPSK	1	104	20.11	20.17	20.09		
40	1/2 BPSK	50	0	20.52	20.56	20.51	21.5	0.5
40	1/2 BPSK	50	26	20.59	20.64	20.55	22.0	0.0
40	1/2 BPSK	50	56	20.25	20.27	20.20	21.5	0.5
40	1/2 BPSK	100	0	20.25	20.29	20.26		
40	QPSK	1	1	20.65	20.72	20.66		
40	QPSK	1	53	20.12	20.16	20.06	22.0	0.0
40	QPSK	1	104	20.08	20.19	20.14	21.0	1.0
40	QPSK	50	0	19.62	19.86	19.80	22.0	0.0
40	QPSK	50	26	20.55	20.66	20.56		
40	QPSK	50	56	19.67	19.77	19.68	21.0	1.0
40	QPSK	100	0	19.62	19.86	19.81		
40	16QAM	1	1	19.13	19.20	19.10	21.0	1.0
40	16QAM	1	1	17.70	17.71	17.63	19.5	2.5
40	256QAM	1	1	16.09	16.14	16.07	17.5	4.5
Channel				637668	641666	645666	Tune-up	MPR
Frequency (MHz)				3552.02	3624.99	3684.99	limit (dB)	(dB)
30	QPSK	1	1	20.57	20.69	20.64	22.0	0.0
Channel				637334	641666	646000	Tune-up	MPR
Frequency (MHz)				3552.01	3624.99	3690	limit (dB)	(dB)
20	QPSK	1	1	20.61	20.65	20.59	22.0	0.0
Channel				637168	641666	646166	Tune-up	MPR
Frequency (MHz)				3557.52	3624.99	3682.49	limit (dB)	(dB)
15	QPSK	1	1	20.59	20.67	20.58	22.0	0.0
Channel				637000	641666	646332	Tune-up	MPR
Frequency (MHz)				3555	3624.99	3684.98	limit (dB)	(dB)
10	QPSK	1	1	20.60	20.70	20.68	22.0	0.0

Part270 n77 Ant8 Other PA Default

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	23.25	23.32	23.22		
100	1/2 BPSK	1	137	23.32	23.36	23.30	25.0	0.0
100	1/2 BPSK	1	271	23.23	23.33	23.27		
100	1/2 BPSK	135	0	23.26	23.32	23.28	25.0	0.0
100	1/2 BPSK	135	69	23.25	23.34	23.28	25.0	0.0
100	1/2 BPSK	135	138	23.28	23.38	23.32	25.0	0.0
100	1/2 BPSK	270	0	23.28	23.33	23.24		
100	QPSK	1	1	23.40	23.42	23.37		
100	QPSK	1	137	23.27	23.32	23.28	25.0	0.0
100	QPSK	1	271	23.24	23.33	23.32	25.0	0.0
100	QPSK	135	0	23.32	23.37	23.31	25.0	0.0
100	QPSK	135	69	23.29	23.39	23.38	25.0	0.0
100	QPSK	135	138	23.23	23.33	23.22	25.0	0.0
100	QPSK	270	0	23.27	23.37	23.32		
100	16QAM	1	1	23.15	23.21	23.16	25.0	0.0
100	64QAM	1	1	22.82	22.88	22.86	24.5	0.5
100	256QAM	1	1	20.69	20.62	20.54	22.5	2.5
Channel				648668	656000	662334	Tune-up	MPR
Frequency (MHz)				3743.02	3840	3933.01	limit (dB)	(dB)
90	QPSK	1	1	23.32	23.39	23.33	25.0	0.0
Channel				648334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)	(dB)
80	QPSK	1	1	23.31	23.39	23.32	25.0	0.0
Channel				648000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit (dB)	(dB)
70	QPSK	1	1	23.34	23.35	23.32	25.0	0.0
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3740.02	3840	3950.01	limit (dB)	(dB)
60	QPSK	1	1	23.34	23.39	23.35	25.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3743.01	3840	3955.02	limit (dB)	(dB)
50	QPSK	1	1	23.34	23.38	23.28	25.0	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3950	limit (dB)	(dB)
40	QPSK	1	1	23.34	23.33	23.33	25.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit (dB)	(dB)
30	QPSK	1	1	23.29	23.38	23.34	25.0	0.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3967.5	limit (dB)	(dB)
25	QPSK	1	1	23.36	23.33	23.26	25.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3970.02	limit (dB)	(dB)
20	QPSK	1	1	23.32	23.37	23.27	25.0	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.59	3840	3972.51	limit (dB)	(dB)
15	QPSK	1	1	23.37	23.31	23.35	25.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit (dB)	(dB)
10	QPSK	1	1	23.32	23.40	23.31	25.0	0.0

Part270 n77 Ant8 Other PA Default

PC2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	24.29	24.26	24.28		
100	1/2 BPSK	1	137	24.08	24.16	24.17	26.0	0.0
100	1/2 BPSK	1	271	24.12	24.15	24.16		
100	1/2 BPSK	135	0	23.77	23.75	23.75	25.5	0.5
100	1/2 BPSK	135	69	24.20	24.20	24.19	26.0	0.0
100	1/2 BPSK	135	138	23.70	23.67	23.62	25.5	0.5
100	1/2 BPSK	270	0	23.66	23.71	23.65		
100	QPSK	1	1	24.19	24.21	24.15		
100	QPSK	1	137	24.12	24.15	24.07	26.0	0.0
100	QPSK	1	271	24.10	24.17	24.13		
100	QPSK	135	0	23.23	23.25	23.22	25.0	1.0
100	QPSK	135	69	24.21	24.25	24.20	26.0	0.0
100	QPSK	135	138	23.14	23.21	23.18	25.0	1.0
100	QPSK	270	0	23.35	23.35	23.30		
100	16QAM	1	1	23.04	23.06	23.04	25.0	1.0
100	64QAM	1	1	21.58	21.62	21.53	23.5	2.5
100	256QAM	1	1	19.52	19.56	19.54	21.5	4.5
Channel				648668	656000	662334	Tune-up	MPR
Frequency (MHz)				3743.02	3840	3935.01	limit (dB)	(dB)
90	QPSK	1	1	24.13	24.25	24.05	26.0	0.0
Channel				648334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)	(dB)
80	QPSK	1	1	24.14	24.21	24.11	26.0	0.0
Channel				648000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit (dB)	(dB)
70	QPSK	1	1	24.16	24.27	24.07	26.0	0.0
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3739.02	3840	3950.01	limit (dB)	(dB)
60	QPSK	1	1	24.19	24.29	24.09	26.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3742.01	3840	3955.02	limit (dB)	(dB)
50	QPSK	1	1	24.08	24.28	24.10	26.0	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3950	limit (dB)	(dB)
40	QPSK	1	1	24.16	24.21	24.11	26.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit (dB)	(dB)
30	QPSK	1	1	24.17	24.29	24.04	26.0	0.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3967.5	limit (dB)	(dB)
25	QPSK	1	1	24.12	24.28	24.10	26.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3970.02	limit (dB)	(dB)
20	QPSK	1	1	24.09	24.27	24.08	26.0	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3972.51	limit (dB)	(dB)
15	QPSK	1	1	24.10	24.27	24.13	26.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit (dB)	(dB)
10	QPSK	1	1	24.10	24.30	24.06	26.0	0.0

Part27Q n77 Ant8 Other PA Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				633000	633334	633668		
100	1/2 BPSK	1	1	23.17				
100	1/2 BPSK	1	137	23.15			25.0	0.0
100	1/2 BPSK	1	271	23.13				
100	1/2 BPSK	135	0	23.07			25.0	0.0
100	1/2 BPSK	135	136	23.05			25.0	0.0
100	1/2 BPSK	270	0	23.14			25.0	0.0
100	1/2 BPSK	270	9	23.28			25.0	0.0
100	QPSK	1	137	23.11			25.0	0.0
100	QPSK	1	271	23.10				
100	QPSK	135	0	23.04			25.0	0.0
100	QPSK	135	69	23.19			25.0	0.0
100	QPSK	135	136	23.11			25.0	0.0
100	QPSK	270	0	23.19			25.0	0.0
100	16QAM	1	137	23.26			25.0	0.0
100	16QAM	1	271	23.25			25.0	0.0
100	256QAM	1	137	23.31			25.0	0.0
100	256QAM	1	270	20.55			22.5	2.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	137	23.25	23.24	23.23	25.0	0.0
90	QPSK	1	271	23.25	23.24	23.23	25.0	0.0
90	QPSK	135	0	23.20	23.19	23.18	25.0	0.0
90	QPSK	135	69	23.25	23.24	23.23	25.0	0.0
90	QPSK	135	136	23.21	23.20	23.19	25.0	0.0
90	QPSK	270	0	23.25	23.24	23.23	25.0	0.0
90	QPSK	270	9	23.31	23.30	23.29	25.0	0.0
70	QPSK	1	137	23.45	23.44	23.43	25.0	0.0
70	QPSK	1	271	23.26	23.19	23.24	25.0	0.0
70	QPSK	1	405	23.26	23.34	23.42	25.0	0.0
70	QPSK	135	0	23.25	23.22	23.21	25.0	0.0
70	QPSK	135	69	23.25	23.22	23.21	25.0	0.0
70	QPSK	135	136	23.26	23.22	23.22	25.0	0.0
70	QPSK	270	0	23.25	23.22	23.22	25.0	0.0
70	QPSK	270	9	23.31	23.30	23.29	25.0	0.0
70	QPSK	270	18	23.40	23.30	23.20	25.0	0.0
60	QPSK	1	137	23.26	23.22	23.23	25.0	0.0
60	QPSK	1	271	23.25	23.22	23.22	25.0	0.0
60	QPSK	135	0	23.20	23.22	23.22	25.0	0.0
60	QPSK	135	69	23.25	23.22	23.22	25.0	0.0
60	QPSK	135	136	23.26	23.22	23.22	25.0	0.0
60	QPSK	270	0	23.25	23.22	23.22	25.0	0.0
60	QPSK	270	9	23.31	23.30	23.29	25.0	0.0
60	QPSK	270	18	23.40	23.30	23.20	25.0	0.0
50	QPSK	1	137	23.20	23.19	23.23	25.0	0.0
50	QPSK	1	271	23.20	23.19	23.23	25.0	0.0
50	QPSK	135	0	23.15	23.14	23.18	25.0	0.0
50	QPSK	135	69	23.15	23.14	23.18	25.0	0.0
50	QPSK	135	136	23.16	23.14	23.17	25.0	0.0
50	QPSK	270	0	23.20	23.22	23.22	25.0	0.0
50	QPSK	270	9	23.25	23.24	23.23	25.0	0.0
50	QPSK	270	18	23.30	23.24	23.18	25.0	0.0
30	QPSK	1	137	23.15	23.14	23.18	25.0	0.0
30	QPSK	1	271	23.15	23.14	23.18	25.0	0.0
30	QPSK	135	0	23.10	23.14	23.17	25.0	0.0
30	QPSK	135	69	23.10	23.14	23.17	25.0	0.0
30	QPSK	135	136	23.11	23.14	23.17	25.0	0.0
30	QPSK	270	0	23.15	23.19	23.23	25.0	0.0
30	QPSK	270	9	23.20	23.24	23.28	25.0	0.0
30	QPSK	270	18	23.25	23.29	23.33	25.0	0.0
25	QPSK	1	137	23.10	23.14	23.17	25.0	0.0
25	QPSK	1	271	23.10	23.14	23.17	25.0	0.0
25	QPSK	135	0	23.05	23.14	23.17	25.0	0.0
25	QPSK	135	69	23.05	23.14	23.17	25.0	0.0
25	QPSK	135	136	23.06	23.14	23.17	25.0	0.0
25	QPSK	270	0	23.10	23.19	23.28	25.0	0.0
25	QPSK	270	9	23.15	23.24	23.33	25.0	0.0
25	QPSK	270	18	23.20	23.29	23.38	25.0	0.0
20	QPSK	1	137	23.05	23.14	23.17	25.0	0.0
20	QPSK	1	271	23.05	23.14	23.17	25.0	0.0
20	QPSK	135	0	23.00	23.14	23.17	25.0	0.0
20	QPSK	135	69	23.00	23.14	23.17	25.0	0.0
20	QPSK	135	136	23.01	23.14	23.17	25.0	0.0
20	QPSK	270	0	23.05	23.19	23.28	25.0	0.0
20	QPSK	270	9	23.10	23.24	23.33	25.0	0.0
20	QPSK	270	18	23.15	23.29	23.38	25.0	0.0
15	QPSK	1	137	23.00	23.14	23.17	25.0	0.0
15	QPSK	1	271	23.00	23.14	23.17	25.0	0.0
15	QPSK	135	0	22.95	23.14	23.17	25.0	0.0
15	QPSK	135	69	22.95	23.14	23.17	25.0	0.0
15	QPSK	135	136	22.96	23.14	23.17	25.0	0.0
15	QPSK	270	0	23.00	23.19	23.28	25.0	0.0
15	QPSK	270	9	23.05	23.24	23.33	25.0	0.0
15	QPSK	270	18	23.10	23.29	23.38	25.0	0.0
10	QPSK	1	137	22.95	23.14	23.17	25.0	0.0
10	QPSK	1	271	22.95	23.14	23.17	25.0	0.0
10	QPSK	135	0	22.90	23.14	23.17	25.0	0.0
10	QPSK	135	69	22.90	23.14	23.17	25.0	0.0
10	QPSK	135	136	22.91	23.14	23.17	25.0	0.0
10	QPSK	270	0	22.95	23.19	23.28	25.0	0.0
10	QPSK	270	9	23.00	23.24	23.33	25.0	0.0
10	QPSK	270	18	23.05	23.29	23.38	25.0	0.0

Part27Q n77 Ant8 Other PA Default										
PC2										
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	24.68			26.0	0.0		
100	1/2 BPSK	1	137	24.41						
100	1/2 BPSK	1	271	24.26			25.5	0.5		
100	1/2 BPSK	135	0	24.18						
100	1/2 BPSK	135	69	24.53			26.0	0.0		
100	1/2 BPSK	135	138	24.06						
100	1/2 BPSK	270	0	24.02			25.5	0.5		
100	QPSK	1	1	24.76						
100	QPSK	1	137	24.42			26.0	0.0		
100	QPSK	1	271	24.22						
100	QPSK	135	0	23.60			25.0	1.0		
100	QPSK	135	69	24.58						
100	QPSK	135	138	23.48			25.0	1.0		
100	QPSK	270	0	23.50						
100	16QAM	1	1	23.64			25.0	1.0		
100	16QAM	1	1	23.14						
100	256QAM	1	1	21.12			21.5	4.5		
Channel				633000	633334	633668				Tune-up MPR
Frequency (MHz)				3495	3500.01	3505.02	lim (dB)			
90	QPSK	1	1	24.68	24.66	24.66	26.0	26.0	0.0	
Channel				632668	633334	634000	Tune-up MPR			
Frequency (MHz)				3480.02	3500.01	3510	lim (dB)			
80	QPSK	1	1	24.71	24.72	24.68	26.0	26.0	0.0	
Channel				632334	633334	634334	Tune-up MPR			
Frequency (MHz)				3483.01	3500.01	3518.01	lim (dB)			
70	QPSK	1	1	24.68	24.70	24.69	26.0	26.0	0.0	
Channel				632000	633334	634668	Tune-up MPR			
Frequency (MHz)				3480	3500.01	3500.02	lim (dB)			
60	QPSK	1	1	24.65	24.72	24.72	26.0	26.0	0.0	
Channel				631668	633334	635000	Tune-up MPR			
Frequency (MHz)				3473.00	3500.01	3525	lim (dB)			
50	QPSK	1	1	24.66	24.67	24.74	26.0	26.0	0.0	
Channel				631334	633334	635334	Tune-up MPR			
Frequency (MHz)				3470.01	3500.01	3500.01	lim (dB)			
40	QPSK	1	1	24.69	24.72	24.68	26.0	26.0	0.0	
Channel				631000	633334	635668	Tune-up MPR			
Frequency (MHz)				3466	3500.01	3505.00	lim (dB)			
30	QPSK	1	1	24.72	24.75	24.65	26.0	26.0	0.0	
Channel				630834	633334	635834	Tune-up MPR			
Frequency (MHz)				3462.51	3500.01	3512.51	lim (dB)			
25	QPSK	1	1	24.72	24.66	24.68	26.0	26.0	0.0	
Channel				630668	633334	636000	Tune-up MPR			
Frequency (MHz)				3460.00	3500.01	3510	lim (dB)			
20	QPSK	1	1	24.74	24.75	24.65	26.0	26.0	0.0	
Channel				630500	633334	636168	Tune-up MPR			
Frequency (MHz)				3457.5	3500.01	3512.50	lim (dB)			
15	QPSK	1	1	24.67	24.66	24.67	26.0	26.0	0.0	
Channel				630334	633334	636334	Tune-up MPR			
Frequency (MHz)				3455.01	3500.01	3515.01	lim (dB)			
10	QPSK	1	1	24.67	24.72	24.72	26.0			

Part27O n78 Ant8 Other PA Default										
PC2										
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	23.30			25.0			
100	1/2 BPSK	1	137	23.05						
100	1/2 BPSK	1	271	23.01			25.0	0.0		
100	1/2 BPSK	135	0	23.20						
100	1/2 BPSK	135	69	23.04			25.0	0.0		
100	1/2 BPSK	135	138	23.04						
100	1/2 BPSK	270	0	23.07			25.0	0.0		
100	QPSK	1	1	23.37						
100	QPSK	1	137	23.06			25.0	0.0		
100	QPSK	1	271	23.09						
100	QPSK	135	0	23.13			25.0	0.0		
100	QPSK	135	69	23.24						
100	QPSK	135	138	23.09			25.0	0.0		
100	QPSK	270	0	23.15						
100	16QAM	1	1	23.31			25.0	0.0		
100	16QAM	1	1	22.98						
100	256QAM	1	1	20.75			22.5	2.5		
Channel				649688	650000	650334				Tune-up MPR
Frequency (MHz)				3745.02	3750	3755.01	lim (dB)			
90	QPSK	1	1	23.27	23.35	23.35	25.0	26.0	0.0	
Channel				649334	650000	650668	Tune-up MPR			
Frequency (MHz)				3740.01	3750	3760.02	lim (dB)			
80	QPSK	1	1	23.33	23.32	23.38	25.0	26.0	0.0	
Channel				649000	650000	651000	Tune-up MPR			
Frequency (MHz)				3735	3750	3765	lim (dB)			
70	QPSK	1	1	23.31	23.33	23.30	25.0	26.0	0.0	
Channel				648668	650000	651334	Tune-up MPR			
Frequency (MHz)				3730.02	3750	3770.01	lim (dB)			
60	QPSK	1	1	23.33	23.28	23.39	25.0	26.0	0.0	
Channel				648334	650000	651668	Tune-up MPR			
Frequency (MHz)				3725.01	3750	3775.02	lim (dB)			
50	QPSK	1	1	23.29	23.28	23.28	25.0	26.0	0.0	
Channel				648000	650000	652000	Tune-up MPR			
Frequency (MHz)				3720	3750	3780	lim (dB)			
40	QPSK	1	1	23.31	23.30	23.28	25.0	26.0	0.0	
Channel				647668	650000	652334	Tune-up MPR			
Frequency (MHz)				3715.02	3750	3785.01	lim (dB)			
30	QPSK	1	1	23.33	23.28	23.30	25.0	26.0	0.0	
Channel				647500	650000	652500	Tune-up MPR			
Frequency (MHz)				3712.5	3750	3787.5	lim (dB)			
25	QPSK	1	1	23.33	23.32	23.30	25.0	26.0	0.0	
Channel				647334	650000	652668	Tune-up MPR			
Frequency (MHz)				3710.01	3750	3790.02	lim (dB)			
20	QPSK	1	1	23.28	23.30	23.29	25.0	26.0	0.0	
Channel				647168	650000	652834	Tune-up MPR			
Frequency (MHz)				3707.5	3750	3792.51	lim (dB)			
15	QPSK	1	1	23.31	23.29	23.29	25.0	26.0	0.0	
Channel				647000	650000	653000	Tune-up MPR			
Frequency (MHz)				3705	3750	3795	lim (dB)			
10	QPSK	1	1	23.31	23.27	23.28	25.0			

Part27O n78 Ant8 Other PA Default									
PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	24.42			26.0	0.0	
100	1/2 BPSK	1	137	24.31					
100	1/2 BPSK	1	271	24.41			25.5	0.5	
100	1/2 BPSK	135	0	23.88					
100	1/2 BPSK	135	69	24.31			26.0	0.0	
100	1/2 BPSK	135	138	23.79					
100	1/2 BPSK	270	0	23.91			25.5	0.5	
100	QPSK	1	1	24.46					
100	QPSK	1	137	24.35			26.0	0.0	
100	QPSK	1	271	24.41					
100	QPSK	135	0	23.37			25.0	1.0	
100	QPSK	135	69	24.34					
100	QPSK	135	138	23.34			25.0	1.0	
100	QPSK	270	0	23.35					
100	16QAM	1	1	23.25			25.0	1.0	
100	16QAM	1	136	23.25					
100	256QAM	1	1	20.38			21.5	4.5	
100	256QAM	1	136	20.38					
Channel				496868		650000		650334	
90	Frequency (MHz)	3742.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
90	QPSK	1	1	24.42	24.39	24.36	26.0	0.0	0.0
Channel				3748.0000 <th colspan="2">3750.0000<th colspan="2">3752.0000</th></th>		3750.0000 <th colspan="2">3752.0000</th>		3752.0000	
80	Frequency (MHz)	3740.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
80	QPSK	1	1	24.42	24.42	24.43	26.0	0.0	0.0
Channel				3736.0000 <th colspan="2">3750.0000<th colspan="2">3764.0000</th></th>		3750.0000 <th colspan="2">3764.0000</th>		3764.0000	
70	Frequency (MHz)	3732.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
70	QPSK	1	1	24.36	24.41	24.36	26.0	0.0	0.0
Channel				3728.0000 <th colspan="2">3750.0000<th colspan="2">3772.0000</th></th>		3750.0000 <th colspan="2">3772.0000</th>		3772.0000	
60	Frequency (MHz)	3730.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
60	QPSK	1	1	24.36	24.37	24.35	26.0	0.0	0.0
Channel				3724.0000 <th colspan="2">3750.0000<th colspan="2">3776.0000</th></th>		3750.0000 <th colspan="2">3776.0000</th>		3776.0000	
50	Frequency (MHz)	3726.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
50	QPSK	1	1	24.37	24.44	24.45	26.0	0.0	0.0
Channel				3720.0000 <th colspan="2">3750.0000<th colspan="2">3780.0000</th></th>		3750.0000 <th colspan="2">3780.0000</th>		3780.0000	
40	Frequency (MHz)	3720.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
40	QPSK	1	1	24.37	24.41	24.40	26.0	0.0	0.0
Channel				3716.0000 <th colspan="2">3750.0000<th colspan="2">3784.0000</th></th>		3750.0000 <th colspan="2">3784.0000</th>		3784.0000	
30	Frequency (MHz)	3716.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
30	QPSK	1	1	24.32	24.45	24.43	26.0	0.0	0.0
Channel				3712.0000 <th colspan="2">3750.0000<th colspan="2">3788.0000</th></th>		3750.0000 <th colspan="2">3788.0000</th>		3788.0000	
25	Frequency (MHz)	3712.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
25	QPSK	1	1	24.40	24.39	24.41	26.0	0.0	0.0
Channel				3708.0000 <th colspan="2">3750.0000<th colspan="2">3792.0000</th></th>		3750.0000 <th colspan="2">3792.0000</th>		3792.0000	
20	Frequency (MHz)	3708.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
20	QPSK	1	1	24.44	24.38	24.38	26.0	0.0	0.0
Channel				3704.0000 <th colspan="2">3750.0000<th colspan="2">3796.0000</th></th>		3750.0000 <th colspan="2">3796.0000</th>		3796.0000	
15	Frequency (MHz)	3704.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
15	QPSK	1	1	24.42	24.39	24.39	26.0	0.0	0.0
Channel				3700.0000 <th colspan="2">3750.0000<th colspan="2">3800.0000</th></th>		3750.0000 <th colspan="2">3800.0000</th>		3800.0000	
10	Frequency (MHz)	3700.0000	3750.0000	3750.0000	3750.0000	3750.0000	26.0	Tune-up	MPR
10	QPSK	1	1	24.41	24.39	24.43	26.0	0.0	0.0

Part27Q n78 Ant8 Other PA Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	23.11					
100	1/2 BPSK	1	137	23.05			25.0	0.0	
100	1/2 BPSK	1	271	23.09			25.0	0.0	
100	1/2 BPSK	135	0	23.20			25.0	0.0	
100	1/2 BPSK	135	69	23.17			25.0	0.0	
100	1/2 BPSK	135	138	23.15			25.0	0.0	
100	1/2 BPSK	270	0	23.05			25.0	0.0	
100	QPSK	1	1	23.33					
100	QPSK	1	137	23.01			25.0	0.0	
100	QPSK	1	271	23.07			25.0	0.0	
100	QPSK	135	0	23.23			25.0	0.0	
100	QPSK	135	69	23.25			25.0	0.0	
100	QPSK	135	138	23.07			25.0	0.0	
100	16QAM	1	1	23.09			25.0	0.0	
100	16QAM	1	1	22.88			24.5	0.5	
100	256QAM	1	1	21.40			22.5	2.5	
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3502.02	limit (dB)		
90	QPSK	1	1	23.22	23.30	23.23	25.0	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	23.23	23.23	23.29	25.0	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	23.27	23.20	23.29	25.0	0.0	
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	23.20	23.20	23.29	25.0	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	23.24	23.29	23.25	25.0	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	23.27	23.24	23.27	25.0	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	23.24	23.21	23.25	25.0	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	23.21	23.20	23.27	25.0	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.03	3500.01	3540	limit (dB)		
20	QPSK	1	1	23.27	23.21	23.29	25.0	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	23.22	23.21	23.21	25.0	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	23.23	23.29	23.25	25.0	0.0	

Part27Q n78 Ant8 Other PA Default									
PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	25.40					
100	1/2 BPSK	1	137	25.15			26.0	0.0	
100	1/2 BPSK	1	271	24.90					
100	1/2 BPSK	135	0	24.80			25.5	0.5	
100	1/2 BPSK	135	69	25.13			26.0	0.0	
100	1/2 BPSK	135	138	24.89			25.5	0.5	
100	1/2 BPSK	270	0	24.62					
100	QPSK	1	1	25.48					
100	QPSK	1	137	25.17			26.0	0.0	
100	QPSK	1	271	24.95					
100	QPSK	135	0	24.25			25.0	1.0	
100	QPSK	135	69	25.10			26.0	0.0	
100	QPSK	135	138	24.14			25.0	1.0	
100	QPSK	270	0	24.16					
100	16QAM	1	1	24.36			25.0	1.0	
100	16QAM	1	1	22.82			23.5	2.5	
100	256QAM	1	1	20.92			21.5	4.5	
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3502.02	limit (dB)		
90	QPSK	1	1	25.42	25.45	25.43	26.0	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	25.39	25.38	25.46	26.0	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	25.33	25.39	25.46	26.0	0.0	
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	25.43	25.40	25.41	26.0	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	25.43	25.41	25.44	26.0	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	25.38	25.37	25.42	26.0	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	25.44	25.46	25.41	26.0	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	25.42	25.44	25.44	26.0	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	25.38	25.39	25.45	26.0	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	25.45	25.45	25.37	26.0	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	25.37	25.44	25.38	26.0	0.0	

n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	22.22	22.29	22.23		
20	1/2 BPSK	1	53	22.39	22.33	22.35	22.7	0.0
20	1/2 BPSK	1	104	22.30	22.39	22.36		
20	1/2 BPSK	50	0	22.43	22.30	22.15	22.7	0.0
20	1/2 BPSK	50	23	22.31	22.29	22.17	22.7	0.0
20	1/2 BPSK	50	56	22.31	22.33	22.14	22.7	0.0
20	1/2 BPSK	100	0	22.27	22.22	22.29		
20	QPSK	1	1	22.38	22.45	22.21		
20	QPSK	1	53	22.36	22.39	22.21	22.7	0.0
20	QPSK	1	104	22.19	22.40	22.29		
20	QPSK	50	0	22.27	22.32	22.38	22.7	0.0
20	QPSK	50	28	22.28	22.40	22.23	22.7	0.0
20	QPSK	50	56	22.29	22.35	22.27	22.7	0.0
20	QPSK	100	0	22.20	22.38	22.28		
20	16QAM	1	1	22.34	22.21	22.18	22.7	0.0
20	16QAM	1	1	22.26	22.33	22.21	22.7	0.0
20	256QAM	1	1	20.30	20.40	20.33	21.2	1.3
Channel				166300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	22.29	22.34	22.13	22.7	0.0
Channel				165800	167300	168800	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit	(dB)
10	QPSK	1	1	22.29	22.35	22.15	22.7	0.0
Channel				165300	167300	169300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	22.31	22.38	22.10	22.7	0.0

Reduced Power Mode for SA DSI 4

n7 Ant0 Other PA Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	17.09	17.20	17.18		
40	1/2 BPSK	1	108	17.27	17.13	17.18	17.7	0.0
40	1/2 BPSK	1	214	17.28	17.21	17.28		
40	1/2 BPSK	108	0	17.27	17.16	17.08	17.7	0.0
40	1/2 BPSK	108	54	17.13	17.29	17.09	17.7	0.0
40	1/2 BPSK	108	108	17.18	17.18	17.12	17.7	0.0
40	1/2 BPSK	216	0	17.26	17.17	17.21		
40	QPSK	1	1	17.22	17.35	17.27		
40	QPSK	1	108	17.19	17.28	17.17	17.7	0.0
40	QPSK	1	214	17.12	17.09	17.18		
40	QPSK	108	0	17.12	17.22	17.15	17.7	0.0
40	QPSK	108	54	17.17	17.33	17.22	17.7	0.0
40	QPSK	108	108	17.20	17.28	17.22	17.7	0.0
40	QPSK	216	0	17.12	17.28	17.12		
40	16QAM	1	1	17.19	17.06	17.09	17.7	0.0
40	16QAM	1	1	17.12	17.10	17.07	17.7	0.0
40	256QAM	1	1	17.22	17.28	17.19	17.7	0.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2532	2552.5	limit	(dB)
35	QPSK	1	1	17.17	17.27	17.20	17.7	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2516	2532	2554	limit	(dB)
30	QPSK	1	1	17.12	17.27	17.24	17.7	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	17.15	17.28	17.25	17.7	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	QPSK	1	1	17.18	17.25	17.20	17.7	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	17.13	17.32	17.17	17.7	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2506	2535	2565	limit	(dB)
10	QPSK	1	1	17.18	17.29	17.25	17.7	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	17.16	17.26	17.24	17.7	0.0

n12 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	22.48	22.49	22.40		
15	1/2 BPSK	1	40	22.56	22.49	22.54	23.2	0.0
15	1/2 BPSK	1	77	22.46	22.55	22.55		
15	1/2 BPSK	36	0	22.53	22.46	22.39	23.2	0.0
15	1/2 BPSK	36	22	22.53	22.54	22.34	23.2	0.0
15	1/2 BPSK	36	43	22.46	22.41	22.42	23.2	0.0
15	1/2 BPSK	75	0	22.57	22.35	22.51		
15	QPSK	1	1	22.60	22.68	22.41		
15	QPSK	1	40	22.47	22.51	22.46	23.2	0.0
15	QPSK	1	77	22.38	22.47	22.46		
15	QPSK	36	0	22.42	22.40	22.49	23.2	0.0
15	QPSK	36	22	22.60	22.64	22.58	23.2	0.0
15	QPSK	36	43	22.59	22.55	22.52	23.2	0.0
15	QPSK	75	0	22.54	22.61	22.43		
15	16QAM	1	1	22.47	22.49	22.52	23.2	0.0
15	16QAM	1	1	22.49	22.50	22.39	23.2	0.0
15	256QAM	1	1	20.50	20.52	20.49	21.2	2.0
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit	(dB)
10	QPSK	1	1	22.51	22.64	22.40	23.2	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit	(dB)
5	QPSK	1	1	22.56	22.66	22.36	23.2	0.0

n26 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	22.30	22.33	22.27	22.7	0.0
20	1/2 BPSK	1	53	22.48	22.35	22.42	22.7	0.0
20	1/2 BPSK	1	104	22.32	22.50	22.45	22.7	0.0
20	1/2 BPSK	50	0	22.47	22.39	22.21	22.7	0.0
20	1/2 BPSK	50	28	22.33	22.31	22.23	22.7	0.0
20	1/2 BPSK	50	58	22.32	22.40	22.21	22.7	0.0
20	1/2 BPSK	100	0	22.34	22.28	22.39	22.7	0.0
20	QPSK	1	1	22.42	22.51	22.24	22.7	0.0
20	QPSK	1	53	22.43	22.49	22.30	22.7	0.0
20	QPSK	1	104	22.23	22.25	22.32	22.7	0.0
20	QPSK	50	0	22.34	22.35	22.41	22.7	0.0
20	QPSK	50	28	22.34	22.45	22.32	22.7	0.0
20	QPSK	50	58	22.32	22.44	22.37	22.7	0.0
20	QPSK	100	0	22.28	22.42	22.37	22.7	0.0
20	16QAM	1	1	22.39	22.30	22.20	22.7	0.0
20	64QAM	1	1	22.32	22.35	22.30	22.7	0.0
20	256QAM	1	1	20.41	20.42	20.35	21.2	1.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				811.5	831.5	841.5	limit (dB)	
15	QPSK	1	1	22.40	22.44	22.23	22.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				819	831.5	844	limit (dB)	
10	QPSK	1	1	22.32	22.45	22.20	22.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	limit (dB)	
5	QPSK	1	1	22.37	22.45	22.16	22.7	0.0

n66 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	10.62	10.45	10.58	12.2	0.0
40	1/2 BPSK	1	108	10.63	10.54	10.68	12.2	0.0
40	1/2 BPSK	1	214	10.66	10.55	10.59	12.2	0.0
40	1/2 BPSK	108	0	10.69	10.56	10.54	12.2	0.0
40	1/2 BPSK	108	54	10.59	10.55	10.50	12.2	0.0
40	1/2 BPSK	108	108	10.67	10.62	10.43	12.2	0.0
40	1/2 BPSK	216	0	10.55	10.54	10.67	12.2	0.0
40	QPSK	1	1	10.61	10.74	10.52	12.2	0.0
40	QPSK	1	108	10.68	10.61	10.47	12.2	0.0
40	QPSK	1	214	10.54	10.48	10.58	12.2	0.0
40	QPSK	108	0	10.56	10.55	10.58	12.2	0.0
40	QPSK	108	54	10.64	10.71	10.58	12.2	0.0
40	QPSK	108	108	10.66	10.64	10.50	12.2	0.0
40	QPSK	216	0	10.50	10.65	10.50	12.2	0.0
40	16QAM	1	1	10.55	10.58	10.47	12.2	0.0
40	64QAM	1	1	10.54	10.55	10.60	12.2	0.0
40	256QAM	1	1	10.54	10.58	10.62	12.2	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1827.5	limit (dB)	
35	QPSK	1	1	10.51	10.71	10.45	12.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	
30	QPSK	1	1	10.60	10.70	10.43	12.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1827.5	limit (dB)	
25	QPSK	1	1	10.58	10.65	10.43	12.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	
20	QPSK	1	1	10.51	10.71	10.47	12.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	
15	QPSK	1	1	10.53	10.66	10.44	12.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	
10	QPSK	1	1	10.58	10.71	10.44	12.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	
5	QPSK	1	1	10.53	10.64	10.48	12.2	0.0

n38 Ant0 Other PA Default								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPS	1	1	17.49	17.58	17.49		
40	1/2 BPS	1	53	17.38	17.41	17.38	17.7	0.0
40	1/2 BPS	1	104	17.38	17.45	17.41		
40	1/2 BPS	50	0	17.47	17.47	17.26	17.7	0.0
40	1/2 BPS	50	26	17.43	17.54	17.48	17.7	0.0
40	1/2 BPS	50	56	17.34	17.34	17.33	17.7	0.0
40	1/2 BPS	100	0	17.46	17.51	17.49		
40	QPSK	1	1	17.45	17.51	17.38		
40	QPSK	1	53	17.45	17.45	17.29	17.7	0.0
40	QPSK	1	104	17.22	17.39	17.46		
40	QPSK	50	0	17.35	17.42	17.46	17.7	0.0
40	QPSK	50	26	17.28	17.46	17.29	17.7	0.0
40	QPSK	50	56	17.34	17.46	17.51		
40	QPSK	100	0	17.42	17.47	17.32	17.7	0.0
40	16QAM	1	1	17.48	17.39	17.27	17.7	0.0
40	16QAM	1	1	17.29	17.39	17.25	17.7	0.0
40	256QAM	1	1	17.39	17.50	17.39	17.7	0.0
Channel				517002	519000	520998	Tune-up	MPR
Frequency (MHz)				2583.01	2595	2604.99	limit (dB)	(dB)
30	1/2 BPS	1	1	17.44	17.54	17.37	17.7	0.0
Channel				518504	519000	521498	Tune-up	MPR
Frequency (MHz)				2592.52	2595	2607.48	limit (dB)	(dB)
25	1/2 BPS	1	1	17.33	17.47	17.31	17.7	0.0
Channel				518000	519000	520000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit (dB)	(dB)
20	1/2 BPS	1	1	17.45	17.51	17.30	17.7	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)	(dB)
15	1/2 BPS	1	1	17.47	17.57	17.35	17.7	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2583.02	2595	2614.98	limit (dB)	(dB)
10	1/2 BPS	1	1	17.43	17.54	17.35	17.7	0.0

n41 Ant0 Other PA Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPS	1	1	17.87	17.92	17.81		
100	1/2 BPS	1	137	17.84	17.85	17.82	-18.2	0.0
100	1/2 BPS	1	271	17.85	17.87	17.88		
100	1/2 BPS	135	0	17.82	17.72	17.74	18.2	0.0
100	1/2 BPS	135	69	17.83	17.88	17.71	18.2	0.0
100	1/2 BPS	135	138	17.78	17.74	17.69	18.2	0.0
100	1/2 BPS	270	0	17.68	17.85	17.83		
100	QPSK	1	1	17.88	17.89	17.73		
100	QPSK	1	137	17.75	17.87	17.82	-18.2	0.0
100	QPSK	1	271	17.72	17.81	17.84		
100	QPSK	135	0	17.68	17.82	17.88	18.2	0.0
100	QPSK	135	69	17.75	17.82	17.76	18.2	0.0
100	QPSK	135	138	17.74	17.89	17.86	-18.2	0.0
100	QPSK	270	0	17.70	17.77	17.74		
100	16QAM	1	1	17.79	17.85	17.82	18.2	0.0
100	16QAM	1	1	17.78	17.77	17.80	18.2	0.0
100	256QAM	1	1	17.77	17.84	17.87	18.2	0.0
Channel				508200	518698	528696	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit (dB)	(dB)
90	1/2 BPS	1	1	17.83	17.97	17.73	18.2	0.0
Channel				507204	518698	529698	Tune-up	MPR
Frequency (MHz)				2438.02	2592.99	2648.99	limit (dB)	(dB)
80	1/2 BPS	1	1	17.80	17.90	17.79	18.2	0.0
Channel				506202	518698	531000	Tune-up	MPR
Frequency (MHz)				2431.01	2592.99	2655	limit (dB)	(dB)
70	1/2 BPS	1	1	17.79	17.90	17.76	18.2	0.0
Channel				505200	518698	531896	Tune-up	MPR
Frequency (MHz)				2426	2610	2658.98	limit (dB)	(dB)
60	1/2 BPS	1	1	17.77	17.83	17.73	18.2	0.0
Channel				504204	518698	532998	Tune-up	MPR
Frequency (MHz)				2421.02	2592.99	2664.99	limit (dB)	(dB)
50	1/2 BPS	1	1	17.82	17.81	17.78	18.2	0.0
Channel				503202	518698	533896	Tune-up	MPR
Frequency (MHz)				2416.01	2592.99	2670	limit (dB)	(dB)
40	1/2 BPS	1	1	17.78	17.88	17.72	18.2	0.0
Channel				502200	518698	534998	Tune-up	MPR
Frequency (MHz)				2411	2602.99	2674.98	limit (dB)	(dB)
30	1/2 BPS	1	1	17.78	17.81	17.77	18.2	0.0
Channel				502200	518698	534998	Tune-up	MPR
Frequency (MHz)				2411	2602.99	2674.98	limit (dB)	(dB)
25	1/2 BPS	1	1	17.84	17.83	17.75	18.2	0.0
Channel				501204	518698	535998	Tune-up	MPR
Frequency (MHz)				2406.02	2592.99	2679.99	limit (dB)	(dB)
20	1/2 BPS	1	1	17.85	17.90	17.73	18.2	0.0
Channel				500700	518698	536498	Tune-up	MPR
Frequency (MHz)				2401.5	2592.99	2683.48	limit (dB)	(dB)
15	1/2 BPS	1	1	17.82	17.88	17.78	18.2	0.0
Channel				500202	518698	537000	Tune-up	MPR
Frequency (MHz)				2391.01	2592.99	2685	limit (dB)	(dB)
10	1/2 BPS	1	1	17.85	17.85	17.78	18.2	0.0

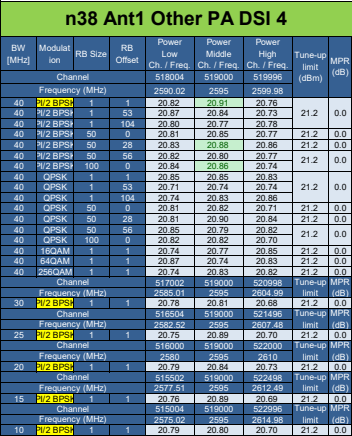
n5 Ant1 DSI 4								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167600	21.7	0.0
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	21.17	21.11	21.17		
20	1/2 BPSK	1	53	21.22	21.22	21.08		
20	1/2 BPSK	1	104	21.17	21.17	21.23	21.7	0.0
20	1/2 BPSK	50	0	21.16	21.17	21.08		
20	1/2 BPSK	50	26	21.18	21.14	21.16		
20	1/2 BPSK	50	56	21.08	21.17	21.08		
20	1/2 BPSK	100	0	21.14	21.15	21.10	21.7	0.0
20	QPSK	1	1	21.21	21.06	21.15	21.7	0.0
20	QPSK	1	53	21.04	21.16	21.10		
20	QPSK	1	104	21.05	21.19	21.16		
20	QPSK	50	0	21.17	21.22	21.15		
20	QPSK	50	26	21.15	21.23	21.09	21.7	0.0
20	QPSK	50	56	21.16	21.14	21.17	21.7	0.0
20	QPSK	100	0	21.10	21.21	21.13	21.7	0.0
20	16QAM	1	1	21.09	21.15	21.16		
20	16QAM	1	1	21.22	21.06	21.16		
20	256QAM	1	1	20.34	20.43	20.41		
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit (dB)	(dB)
15	QPSK	1	1	21.19	21.24	21.05	21.7	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				820	836.5	844	limit (dB)	(dB)
10	QPSK	1	1	21.13	21.17	21.12	21.7	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit (dB)	(dB)
5	QPSK	1	1	21.17	21.22	21.03	21.7	0.0

n7 Ant1 Other PA DSI 4								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	21.7	0.0
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	21.28	21.09	21.24		
40	1/2 BPSK	1	108	21.26	21.23	21.20		
40	1/2 BPSK	1	214	21.21	21.15	21.25	21.7	0.0
40	1/2 BPSK	108	0	21.21	21.24	21.15		
40	1/2 BPSK	108	54	21.23	21.20	21.25		
40	1/2 BPSK	108	108	21.17	21.27	21.16		
40	1/2 BPSK	216	0	21.21	21.22	21.15	21.7	0.0
40	QPSK	1	1	21.20	21.33	21.23	21.7	0.0
40	QPSK	1	108	21.13	21.18	21.09		
40	QPSK	1	214	21.10	21.22	21.21		
40	QPSK	108	0	21.23	21.22	21.14		
40	QPSK	108	54	21.25	21.30	21.25	21.7	0.0
40	QPSK	108	108	21.24	21.21	21.20	21.7	0.0
40	QPSK	216	0	21.18	21.24	21.11	21.7	0.0
40	16QAM	1	1	21.09	21.20	21.24		
40	16QAM	1	1	18.67	18.78	18.75		
40	256QAM	1	1	20.68	20.76	20.67		
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)	(dB)
35	QPSK	1	1	21.11	21.23	21.20	21.7	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit (dB)	(dB)
30	QPSK	1	1	21.11	21.22	21.17	21.7	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	(dB)
25	QPSK	1	1	21.13	21.25	21.13	21.7	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit (dB)	(dB)
20	QPSK	1	1	21.17	21.31	21.21	21.7	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	(dB)
15	QPSK	1	1	21.13	21.25	21.20	21.7	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2500	2535	2565	limit (dB)	(dB)
10	QPSK	1	1	21.13	21.31	21.21	21.7	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2492.5	2535	2567.5	limit (dB)	(dB)
5	QPSK	1	1	21.11	21.23	21.13	21.7	0.0

n12 Ant1 DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700	22.7	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	22.07	21.88	22.02		
15	1/2 BPSK	1	40	22.07	22.03	21.96		
15	1/2 BPSK	1	77	21.98	21.98	22.01	22.7	0.0
15	1/2 BPSK	36	0	22.00	22.05	22.01		
15	1/2 BPSK	36	22	21.97	22.03	22.06		
15	1/2 BPSK	36	43	21.97	22.05	21.93		
15	1/2 BPSK	75	0	21.97	22.00	21.94	22.7	0.0
15	QPSK	1	1	22.01	22.08	22.02	22.7	0.0
15	QPSK	1	40	21.84	21.97	21.93		
15	QPSK	1	77	21.89	22.01	22.06		
15	QPSK	36	0	22.01	22.05	21.92		
15	QPSK	36	22	22.03	22.07	22.02	22.7	0.0
15	QPSK	36	43	21.99	22.03	21.99	22.7	0.0
15	QPSK	75	0	22.00	22.03	21.93	22.7	0.0
15	16QAM	1	1	21.93	21.99	22.00		
15	16QAM	1	1	22.06	21.98	21.98		
15	256QAM	1	1	20.36	20.37	20.35		
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit (dB)	(dB)
10	QPSK	1	1	21.91	22.05	21.91	22.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit (dB)	(dB)
5	QPSK	1	1	21.94	22.01	21.95	22.7	0.0

n26 Ant1 DSI 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (MHz)	Power Middle Ch. (MHz)	Power High Ch. (MHz)	Tune-up limit (dBm)	MPR (dB)		
Channel				164800	166300	167800				
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	21.21	21.20	21.18		21.7	0.0	
20	1/2 BPSK	1	53	21.28	21.30	21.11				
20	1/2 BPSK	1	104	21.28	21.26	21.31				
20	1/2 BPSK	50	0	21.24	21.23	21.15	21.7			
20	1/2 BPSK	50	28	21.26	21.19	21.28	21.7	0.0		
20	1/2 BPSK	50	56	21.10	21.27	21.13	21.7	0.0		
20	1/2 BPSK	100	0	21.16	21.20	21.14				
20	QPSK	1	1	21.30	21.37	21.17				
20	QPSK	1	53	21.08	21.27	21.19	21.7	0.0		
20	QPSK	1	104	21.10	21.27	21.23				
20	QPSK	50	0	21.23	21.30	21.19	21.7	0.0		
20	QPSK	50	28	21.17	21.33	21.13	21.7	0.0		
20	QPSK	50	56	21.23	21.17	21.18	21.7	0.0		
20	QPSK	100	0	21.20	21.27	21.22				
20	16QAM	1	1	21.15	21.18	21.19	21.7	0.0		
20	16QAM	1	1	21.26	21.14	21.24	21.7	0.0		
20	256QAM	1	1	20.38	20.54	20.44	21.2	0.5		
Channel				164300	166300	168300	Tune-up	MPR		
Frequency (MHz)				821.5	831.5	841.5	limit (dB)			
15	QPSK	1	1	21.27	21.34	21.10	21.7	0.0		
Channel				163800	166300	168800	Tune-up	MPR		
Frequency (MHz)				810	831.5	844	limit (dB)			
10	QPSK	1	1	21.10	21.23	21.07	21.7	0.0		
Channel				163300	166300	169300	Tune-up	MPR		
Frequency (MHz)				816.5	831.5	846.5	limit (dB)			
5	QPSK	1	1	21.27	21.32	21.15	21.7	0.0		

n66 Ant1 DSI 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	16.15	16.00	16.15	17.5	0.0		
40	1/2 BPSK	1	108	16.10	16.05	16.05				
40	1/2 BPSK	1	214	16.07	16.12	16.14				
40	1/2 BPSK	108	0	16.05	16.10	16.02				
40	1/2 BPSK	108	54	16.09	16.08	16.20				
40	1/2 BPSK	108	108	16.17	16.14	16.04				
40	1/2 BPSK	216	0	16.09	16.09	16.07				
40	QPSK	1	1	16.10	16.27	16.05				
40	QPSK	1	108	16.94	16.03	16.03				
40	QPSK	1	214	16.00	16.16	16.14				
40	QPSK	108	0	16.20	16.20	16.10				
40	QPSK	108	54	16.06	16.24	16.15				
40	QPSK	108	108	16.16	16.04	16.21				
40	QPSK	216	0	16.06	16.16	16.10				
40	16QAM	1	1	16.04	16.10	16.14				
40	16QAM	1	1	16.16	15.99	16.17				
40	256QAM	1	1	15.86	15.91	15.91				
Channel				345500	349000	352500	Tune-up		MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)			
35	QPSK	1	1	16.01	16.22	15.96				
Channel				345000	349000	353000	Tune-up		MPR	
Frequency (MHz)				1725	1745	1765	limit (dB)			
30	QPSK	1	1	16.01	16.20	15.97				
Channel				344500	349000	353500	Tune-up		MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)			
25	QPSK	1	1	16.03	16.25	15.97				
Channel				344000	349000	354000	Tune-up		MPR	
Frequency (MHz)				1720	1745	1770	limit (dB)			
20	QPSK	1	1	16.05	16.25	16.04				
Channel				343500	349000	354500	Tune-up		MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)			
15	QPSK	1	1	16.06	16.19	16.03				
Channel				343000	349000	355000	Tune-up		MPR	
Frequency (MHz)				1715	1745	1775	limit (dB)			
10	QPSK	1	1	16.03	16.25	15.96				
Channel				342500	349000	355500	Tune-up		MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)			
5	QPSK	1	1	16.07	16.17	15.95				



n41 Ant1 Other PA DSI 4									
BW (MHz)	Module	RB Size	RB Offset	Low Power	Power Middle	Power High	Tune-up time (s)	IMR (dB)	
Channel									
		Frequency (MHz)		2546.01	2592.99	2640.00			
100	1/2 BPSK	1	1	20.50	20.40	20.47			
100	1/2 BPSK	1	137	20.50	20.43	20.43	21.2	0.0	
100	1/2 BPSK	1	271	20.51	20.42	20.47			
100	1/2 BPSK	135	0	20.53	20.43	20.52			
100	1/2 BPSK	135	68	20.53	20.43	20.52	21.2	0.0	
100	1/2 BPSK	135	136	20.54	20.54	20.42			
100	1/2 BPSK	270	0	20.49	20.50	20.49			
100	1/2 BPSK	270	1	20.49	20.49	20.50	21.2	0.0	
100	QPSK	1	137	20.47	20.48	20.38			
100	QPSK	1	271	20.47	20.48	20.37			
100	QPSK	135	0	20.54	20.53	20.43	21.2	0.0	
100	QPSK	135	68	20.50	20.57	20.54	21.2	0.0	
100	QPSK	135	136	20.47	20.47	20.38			
100	QPSK	270	0	20.46	20.47	20.39			
100	16QAM	1	1	20.39	20.35	20.32	21.2	0.0	
100	16QAM	1	137	20.41	20.41	20.32	21.2	0.0	
100	256QAM	1	1	20.45	20.50	20.45			
Channel									
90	QPSK	1	1	50.0200	51.8908	52.6996			
90	QPSK	1	137	50.0202	52.5999	52.6996	21.2	0.0	
90	QPSK	1	271	50.0204	51.8906	52.6996			
80	QPSK	1	1	20.45	20.48	20.53	21.2	0.0	
80	QPSK	1	137	20.50	20.48	20.50			
70	QPSK	1	1	2631.01	2692.99	2700.00			
70	QPSK	1	137	20.46	20.52	20.51	21.2	0.0	
60	QPSK	1	1	50.0203	51.8908	52.6996			
60	QPSK	1	137	50.0206	52.5999	52.6996	21.2	0.0	
50	QPSK	1	1	20.47	20.43	20.53	21.2	0.0	
50	QPSK	1	137	20.43	20.43	20.53			
40	QPSK	1	1	2512.02	2592.99	2654.99			
40	QPSK	1	137	20.47	20.43	20.50	21.2	0.0	
30	QPSK	1	1	20.41	20.50	20.54			
30	QPSK	1	137	20.51	20.53	20.48	21.2	0.0	
Channel									
20	QPSK	1	1	50.0200	51.8908	52.6996			
20	QPSK	1	137	50.0211	52.5999	52.6996	21.2	0.0	
Channel									
20	QPSK	1	1	6102.04	6189.08	6399.98			
20	QPSK	1	137	25.0302	25.2999	25.3999	21.2	0.0	
20	QPSK	1	271	25.0305	25.2999	25.3999			
Channel									
15	QPSK	1	1	50.0700	51.8908	52.6996			
15	QPSK	1	137	50.0303	52.5999	52.6996	21.2	0.0	
15	QPSK	1	271	50.0306	51.8908	52.6996			
Channel									
10	QPSK	1	1	50.0202	51.8908	53.7000			
10	QPSK	1	137	50.0309	52.5999	52.6996	21.2	0.0	

Part96 n48 Ant1 DSI 4										
BW (MHz)	Module	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up (dBm)	MFR		
Channel										
				638000	641666	645332				
Frequency (MHz)										
				3570	3624.99	3679.98				
4	12G BPSK	1	1	19.19	19.23	19.17				
5	12G BPSK	1	53	19.19	19.23	19.23	20.8	0.0		
6	12G BPSK	1	104	19.24	19.26	19.15				
7	12G BPSK	1	155	19.23	19.23	19.23	20.8	0.0		
8	12G BPSK	50	26	19.11	19.25	19.29	20.8	0.0		
9	12G BPSK	50	56	19.18	19.19	19.22	20.8	0.0		
10	12G BPSK	50	107	19.18	19.19	19.22	20.8	0.0		
11	QPSK	1	1	19.18	19.36	19.20				
12	QPSK	1	53	19.08	19.12	19.23				
13	QPSK	1	104	19.18	19.12	19.22				
14	QPSK	50	0	19.22	19.19	19.16	20.8	0.0		
15	QPSK	50	51	19.15	19.15	19.15	20.8	0.0		
16	QPSK	50	56	19.27	19.31	19.11	20.8	0.0		
17	QPSK	100	0	19.13	19.29	19.19	20.8	0.0		
18	QPSK	100	50	19.18	19.23	19.18	20.8	0.0		
19	8QAM	1	1	19.25	19.23	19.18	20.8	0.0		
20	25QAM	1	1	17.45	17.45	17.29	19.3	1.5		
21	QPSK	1	53	19.27	19.23	19.18	20.8	0.0		
22	QPSK	1	104	19.25	19.23	19.18	20.8	0.0		
23	QPSK	50	0	19.25	19.23	19.18	20.8	0.0		
Channel										
				637334	641666	646000				
Frequency (MHz)										
				359501	3624.99	3650.00				
30	QPSK	1	19.15	19.23	19.14	20.8	0.0			
Channel										
				637168	641666	646166				
Frequency (MHz)										
				359459	3624.99	3659.49				
15	QPSK	1	19.19	19.23	19.14	20.8	0.0			
Channel										
				637000	641666	646332				
Frequency (MHz)										
				359249	3624.99	3658.99				
10	QPSK	1	19.13	19.29	19.17	20.8	0.0			

Part270 n77 Ant1 Other PA DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power Middle (dBm)	Power High (dBm)	Turn-up (dBm)	Turn-off (dBm)	SPR (dB)
Channel									
				850000	856000	862000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1		1744	1727	1729			
100	1/2 BPSK	137		1737	1729	1737	18.5		
100	1/2 BPSK	271		1738	1724	1732			
100	1/2 BPSK	135	0	1737	1733	1732	18.5	0.0	
100	1/2 BPSK	135	88	1737	1729	1737			
100	1/2 BPSK	135	136	1733	1735	1732	18.5	0.0	
100	1/2 BPSK	270	0	1724	1728	1729			
100	1/2 BPSK	271	0	1727	1732	1732	18.5	0.0	
100	QPSK	1	137	1725	1733	1732	18.5	0.0	
100	QPSK	137	137	1727	1730	1730			
100	QPSK	135	8	1733	1734	1732	18.5	0.0	
100	QPSK	135	88	1726	1742	1735	18.5	0.0	
100	QPSK	135	136	1723	1743	1735	18.5	0.0	
100	QPSK	270	0	1738	1740	1720			
100	15QAM	1		1732	1728	1730	18.5	0.0	
100	15QAM	137		1727	1732	1732	18.5	0.0	
100	25QAM	1		1723	1728	1739	18.5	0.0	
Channel									
				648668	656000	662324			
90	QPSK	1		3840	3840	3837	18.5	MPR	
90	QPSK	1		1717	1739	1736	18.5	0.0	
Channel									
				648634	656000	662324			
90	QPSK	1		3840	3840	3840	18.5	MPR	
80	QPSK	1		1720	1735	1732	18.5	0.0	
Channel									
				655000	655000	655000			
70	QPSK	1		3735	3840	3945			
70	QPSK	1		1719	1735	1737	18.5	0.0	
70	QPSK	1		650000	650000	650000	18.5	MPR	
60	QPSK	1		3730	3840	3950	18.5	0.0	
60	QPSK	1		1724	1735	1735	18.5	0.0	
60	QPSK	1		650000	650000	650000	18.5	MPR	
50	QPSK	1		3725	3840	3955	18.5	0.0	
50	QPSK	1		1720	1742	1728	18.5	0.0	
40	QPSK	1		3720	3840	3950	18.5	0.0	
40	QPSK	1		1719	1735	1735	18.5	0.0	
40	QPSK	1		650000	650000	650000	18.5	MPR	
30	QPSK	1		3715	3840	3955	18.5	0.0	
30	QPSK	1		1719	1735	1735	18.5	0.0	
25	QPSK	1		3715	3840	3955	18.5	0.0	
25	QPSK	1		1720	1742	1730	18.5	0.0	
25	QPSK	1		647334	656000	664668	18.5	MPR	
Channel									
				370000	3840	3970			
20	QPSK	1		1742	1742	1742	18.5	0.0	
Channel									
				667188	656000	668434	18.5	MPR	
15	QPSK	1		370738	3840	397251	18.5	0.0	
15	QPSK	1		1723	1742	1740	18.5	0.0	
Channel									
				667000	656000	665000	18.5	MPR	
10	QPSK	1		3720	3840	3970	18.5	0.0	
10	QPSK	1		1724	1740	1740	18.5	0.0	

Part270 n78 Ant1 Other PA DSI 4									
PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	20.46			21.5	0.0	
100	1/2 BPSK	1	137	20.62					
100	1/2 BPSK	1	271	20.50					
100	1/2 BPSK	135	0	20.49			21.5	0.0	
100	1/2 BPSK	135	69	20.54			21.5	0.0	
100	1/2 BPSK	135	138	20.47			21.5	0.0	
100	1/2 BPSK	270	0	20.55					
100	QPSK	1	1	20.68					
100	QPSK	1	137	20.56			21.5	0.0	
100	QPSK	1	271	20.52					
100	QPSK	135	0	20.63			21.5	0.0	
100	QPSK	135	69	20.65			21.5	0.0	
100	QPSK	135	138	20.41			21.5	0.0	
100	QPSK	270	0	20.61					
100	16QAM	1	1	20.58			21.5	0.0	
100	64QAM	1	1	20.55			21.5	0.0	
100	256QAM	1	1	20.12			21.2	0.3	
Channel				649668	650000	650334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3743.02	3750	3763.01	lim	(dB)	
90	QPSK	1	1	20.64	20.62	20.57	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	lim	(dB)	
80	QPSK	1	1	20.66	20.65	20.59	21.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735	3750	3765	lim	(dB)	
70	QPSK	1	1	20.67	20.65	20.62	21.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3743.02	3750	3770.01	lim	(dB)	
60	QPSK	1	1	20.61	20.60	20.62	21.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3743.01	3750	3763.02	lim	(dB)	
50	QPSK	1	1	20.63	20.59	20.61	21.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3750	3780	lim	(dB)	
40	QPSK	1	1	20.99	20.97	20.97	21.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3743.02	3750	3785.01	lim	(dB)	
30	QPSK	1	1	20.98	20.80	20.82	21.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dB)	MPR	
Frequency (MHz)				3743.5	3750	3787.5	lim	(dB)	
25	QPSK	1	1	20.57	20.65	20.61	21.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3750	3780.02	lim	(dB)	
20	QPSK	1	1	20.61	20.64	20.61	21.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.52	3750	3792.51	lim	(dB)	
15	QPSK	1	1	20.58	20.66	20.67	21.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705	3750	3795	lim	(dB)	
10	QPSK	1	1	20.62	20.57	20.63	21.5	0.0	

Part27Q n78 Ant1 Other PA DSI 4									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	17.67			18.5	0.0	
100	1/2 BPSK	1	137	17.71					
100	1/2 BPSK	1	271	17.65					
100	1/2 BPSK	135	0	17.72			18.5	0.0	
100	1/2 BPSK	135	69	17.67			18.5	0.0	
100	1/2 BPSK	135	138	17.70			18.5	0.0	
100	1/2 BPSK	270	0	17.76					
100	QPSK	1	1	17.86					
100	QPSK	1	137	17.64			18.5	0.0	
100	QPSK	1	271	17.68					
100	QPSK	135	0	17.77			18.5	0.0	
100	QPSK	135	69	17.84			18.5	0.0	
100	QPSK	135	138	17.81			18.5	0.0	
100	QPSK	270	0	17.75					
100	16QAM	1	1	17.75			18.5	0.0	
100	64QAM	1	1	17.66			18.5	0.0	
100	256QAM	1	1	17.71			18.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)	
90	QPSK	1	1	17.70	17.70	17.75	18.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	lim	(dB)	
80	QPSK	1	1	17.81	17.80	17.85	18.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	lim	(dB)	
70	QPSK	1	1	17.84	17.83	17.81	18.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3500.01	3520.02	lim	(dB)	
60	QPSK	1	1	17.80	17.81	17.79	18.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	lim	(dB)	
50	QPSK	1	1	17.70	17.72	17.79	18.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	lim	(dB)	
40	QPSK	1	1	17.81	17.75	17.77	18.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	lim	(dB)	
30	QPSK	1	1	17.80	17.81	17.77	18.5	0.0	
Channel				630834	633334	635834	Tune-up limit (dB)	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	lim	(dB)	
25	QPSK	1	1	17.77	17.79	17.79	18.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3500.01	3540	lim	(dB)	
20	QPSK	1	1	17.79	17.78	17.78	18.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	lim	(dB)	
15	QPSK	1	1	17.82	17.78	17.81	18.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	lim	(dB)	
10	QPSK	1	1	17.85	17.83	17.80	18.5	0.0	

Part27Q n78 Ant1 Other PA DSI 4 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	20.73			21.5	0.0	
100	1/2 BPSK	1	137	20.83					
100	1/2 BPSK	1	271	20.85					
100	1/2 BPSK	135	0	20.96			21.5	0.0	
100	1/2 BPSK	135	69	20.90			21.5	0.0	
100	1/2 BPSK	135	138	20.86			21.5	0.0	
100	1/2 BPSK	270	0	20.75					
100	QPSK	1	1	20.98					
100	QPSK	1	137	20.75			21.5	0.0	
100	QPSK	1	271	20.88					
100	QPSK	135	0	20.98			21.5	0.0	
100	QPSK	135	69	20.94			21.5	0.0	

n2 Ant5 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	16.92	16.82	16.88		17.8	0.0
40	1/2 BPSK	1	108	16.97	16.97	16.86		17.8	0.0
40	1/2 BPSK	1	214	16.92	16.84	16.96			
40	1/2 BPSK	108	0	16.94	16.92	16.83	17.8		
40	1/2 BPSK	108	54	16.95	16.83	16.98	17.8		
40	1/2 BPSK	108	108	16.91	16.92	16.83	17.8	0.0	
40	1/2 BPSK	216	0	16.88	16.88	16.84			
40	QPSK	1	1	16.93	17.01	16.97			
40	QPSK	1	108	16.88	16.92	16.84	17.8	0.0	
40	QPSK	1	214	16.81	16.94	16.94			
40	QPSK	108	0	16.85	16.98	16.88	17.8	0.0	
40	QPSK	108	54	16.91	16.98	16.97	17.8	0.0	
40	QPSK	108	108	16.95	16.94	16.92	17.8	0.0	
40	QPSK	216	0	16.88	16.94	16.85			
40	16QAM	1	1	16.85	16.92	16.87	17.8	0.0	
40	64QAM	1	1	16.95	16.86	16.91	17.8	0.0	
40	256QAM	1	1	16.96	16.97	16.83	17.8	0.0	
Channel				373500	376000	378500	Tune-up	MPR	
Frequency (MHz)				1867.5	1860	1872.5	lim.	(dB)	
35	QPSK	1	1	16.92	16.96	16.94	17.8	0.0	
Channel				373000	376000	379000	Tune-up	MPR	
Frequency (MHz)				1863	1860	1865	lim.	(dB)	
30	QPSK	1	1	16.94	16.93	16.91	17.8	0.0	
Channel				372500	376000	379500	Tune-up	MPR	
Frequency (MHz)				1862.5	1860	1867.5	lim.	(dB)	
25	QPSK	1	1	16.94	16.94	16.92	17.8	0.0	
Channel				372000	376000	380000	Tune-up	MPR	
Frequency (MHz)				1860	1860	1860	lim.	(dB)	
20	QPSK	1	1	16.97	16.99	16.91	17.8	0.0	
Channel				371500	376000	380500	Tune-up	MPR	
Frequency (MHz)				1857.5	1860	1862.5	lim.	(dB)	
15	QPSK	1	1	16.92	16.93	16.92	17.8	0.0	
Channel				371000	376000	381000	Tune-up	MPR	
Frequency (MHz)				1855	1860	1865	lim.	(dB)	
10	QPSK	1	1	17.00	16.98	16.98	17.8	0.0	
Channel				370500	376000	381500	Tune-up	MPR	
Frequency (MHz)				1853.5	1860	1867.5	lim.	(dB)	
5	QPSK	1	1	16.93	16.92	16.92	17.8	0.0	

n7 Ant5 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	16.39	16.17	16.24		16.7	0.0
40	1/2 BPSK	1	108	16.35	16.32	16.27			
40	1/2 BPSK	1	214	16.31	16.27	16.28			
40	1/2 BPSK	108	0	16.34	16.31	16.27	16.7		
40	1/2 BPSK	108	54	16.29	16.28	16.34	16.7	0.0	
40	1/2 BPSK	108	108	16.31	16.31	16.25	16.7	0.0	
40	1/2 BPSK	216	0	16.27	16.26	16.23			
40	QPSK	1	1	16.27	16.43	16.29			
40	QPSK	1	108	16.18	16.28	16.26	16.7	0.0	
40	QPSK	1	214	16.29	16.31	16.32			
40	QPSK	108	0	16.26	16.33	16.23	16.7	0.0	
40	QPSK	108	54	16.27	16.40	16.30	16.7	0.0	
40	QPSK	108	108	16.30	16.33	16.32	16.7	0.0	
40	QPSK	216	0	16.32	16.35	16.22			
40	16QAM	1	1	16.21	16.32	16.34	16.7	0.0	
40	64QAM	1	1	16.37	16.31	16.32	16.7	0.0	
40	256QAM	1	1	16.27	16.29	16.30	16.7	0.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	lim.	(dB)	
35	QPSK	1	1	16.41	16.39	16.39	16.7	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2516	2535	2553	lim.	(dB)	
30	QPSK	1	1	16.36	16.29	16.29	16.7	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	lim.	(dB)	
25	QPSK	1	1	16.33	16.37	16.32	16.7	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2550	lim.	(dB)	
20	QPSK	1	1	16.37	16.31	16.35	16.7	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	lim.	(dB)	
15	QPSK	1	1	16.37	16.33	16.35	16.7	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	lim.	(dB)	
10	QPSK	1	1	16.32	16.28	16.30	16.7	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	lim.	(dB)	
5	QPSK	1	1	16.32	16.33	16.29	16.7	0.0	

n66 Ant5 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	18.27	18.12	18.17		18.7	0.0
40	1/2 BPSK	1	108	18.20	18.22	18.19			
40	1/2 BPSK	1	214	18.24	18.21	18.27			
40	1/2 BPSK	108	0	18.29	18.24	18.22	18.7		
40	1/2 BPSK	108	54	18.18	18.18	18.26	18.7	0.0	
40	1/2 BPSK	108	108	18.20	18.23	18.15	18.7	0.0	
40	1/2 BPSK	216	0	18.17	18.21	18.21			
40	QPSK	1	1	18.17	18.32	18.26			
40	QPSK	1	108	18.15	18.15	18.15	18.7	0.0	
40	QPSK	1	214	18.20	18.15	18.26			
40	QPSK	108	0	18.24	18.24	18.18	18.7	0.0	
40	QPSK	108	54	18.20	18.30	18.19	18.7	0.0	
40	QPSK	108	108	18.22	18.17	18.22	18.7	0.0	
40	QPSK	216	0	18.20	18.25	18.08			
40	16QAM	1	1	18.14	18.20	18.26	18.7	0.0	
40	64QAM	1	1	18.22	18.19	18.20	18.7	0.0	
40	256QAM	1	1	18.16	18.24	18.21	18.7	0.0	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	lim.	(dB)	
35	QPSK	1	1	18.08	18.22	18.17	18.7	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1763	lim.	(dB)	
30	QPSK	1	1	18.13	18.31	18.23	18.7	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	lim.	(dB)	
25	QPSK	1	1	18.08	18.23	18.17	18.7	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	lim.	(dB)	
20	QPSK	1	1	18.15	18.28	18.20	18.7	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1772.5	lim.	(dB)	
15	QPSK	1	1	18.07	18.28	18.22	18.7	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	lim.	(dB)	
10	QPSK	1	1	18.09	18.25	18.15	18.7	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1777.5	lim.	(dB)	
5	QPSK	1	1	18.09	18.24	18.21	18.7	0.0	

n38 Ant5 DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	16.75	16.59	16.73	17.2	0.0
40	1/2 BPSK	1	53	16.69	16.71	16.54		
40	1/2 BPSK	1	104	16.69	16.73	16.63		
40	1/2 BPSK	50	0	16.70	16.80	16.63	17.2	0.0
40	1/2 BPSK	50	26	16.69	16.77	16.74	17.2	0.0
40	1/2 BPSK	50	56	16.67	16.73	16.66	17.2	0.0
40	1/2 BPSK	100	0	16.74	16.67	16.57	17.2	0.0
40	QPSK	1	1	16.80	16.62	16.76	17.2	0.0
40	QPSK	1	53	16.57	16.73	16.64		
40	QPSK	1	104	16.71	16.75	16.78		
40	QPSK	50	0	16.72	16.55	16.72	17.2	0.0
40	QPSK	50	26	16.74	16.77	16.62	17.2	0.0
40	QPSK	50	56	16.76	16.70	16.71	17.2	0.0
40	QPSK	100	0	16.63	16.70	16.55	17.2	0.0
40	16QAM	1	1	16.63	16.70	16.63	17.2	0.0
40	16QAM	1	1	16.72	16.68	16.61	17.2	0.0
40	256QAM	1	1	16.63	16.75	16.67	17.2	0.0
Channel				517002	519000	520998	Tune-up MPR	
Frequency (MHz)				2583.01	2595	2604.99	limit (dB)	
30	QPSK	1	1	16.76	16.75	16.71	17.2	0.0
Channel				516504	519000	521496	Tune-up MPR	
Frequency (MHz)				2592.52	2595	2607.48	limit (dB)	
25	QPSK	1	1	16.72	16.75	16.72	17.2	0.0
Channel				516000	519000	522000	Tune-up MPR	
Frequency (MHz)				2590	2595	2610	limit (dB)	
20	QPSK	1	1	16.70	16.73	16.67	17.2	0.0
Channel				515502	519000	522498	Tune-up MPR	
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)	
15	QPSK	1	1	16.69	16.75	16.73	17.2	0.0
Channel				515004	519000	522996	Tune-up MPR	
Frequency (MHz)				2575.02	2595	2614.98	limit (dB)	
10	QPSK	1	1	16.70	16.74	16.73	17.2	0.0

n41 Ant5 DSI 4								
BW [MHz]	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	518596	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	15.65	15.49	15.58	16.2	0.0
100	1/2 BPSK	1	137	15.65	15.62	15.37		
100	1/2 BPSK	1	271	15.60	15.62	15.68		
100	1/2 BPSK	135	0	15.67	15.60	15.55	16.2	0.0
100	1/2 BPSK	135	69	15.61	15.62	15.62	16.2	0.0
100	1/2 BPSK	135	138	15.60	15.60	15.59	16.2	0.0
100	1/2 BPSK	270	0	15.65	15.60	15.63	16.2	0.0
100	QPSK	1	1	15.62	15.71	15.64	16.2	0.0
100	QPSK	1	137	15.57	15.60	15.63		
100	QPSK	1	271	15.57	15.62	15.68		
100	QPSK	135	0	15.61	15.60	15.51	16.2	0.0
100	QPSK	135	69	15.63	15.65	15.67	16.2	0.0
100	QPSK	135	138	15.67	15.60	15.59	16.2	0.0
100	QPSK	270	0	15.62	15.65	15.46	16.2	0.0
100	16QAM	1	1	15.55	15.63	15.62	16.2	0.0
100	16QAM	1	1	15.66	15.59	15.61	16.2	0.0
100	256QAM	1	1	15.56	15.66	15.62	16.2	0.0
Channel				508200	518596	526996	Tune-up MPR	
Frequency (MHz)				2541	2602.99	2644.93	limit (dB)	
90	QPSK	1	1	15.52	15.69	15.61	16.2	0.0
Channel				507204	518596	526996	Tune-up MPR	
Frequency (MHz)				2539.02	2602.99	2648.99	limit (dB)	
80	QPSK	1	1	15.57	15.66	15.61	16.2	0.0
Channel				506202	518596	531000	Tune-up MPR	
Frequency (MHz)				2531.01	2602.99	2655	limit (dB)	
70	QPSK	1	1	15.52	15.62	15.62	16.2	0.0
Channel				505200	518596	531696	Tune-up MPR	
Frequency (MHz)				2526	2602.99	2658.95	limit (dB)	
60	QPSK	1	1	15.59	15.62	15.57	16.2	0.0
Channel				504204	518596	532998	Tune-up MPR	
Frequency (MHz)				2521.02	2602.99	2664.97	limit (dB)	
50	QPSK	1	1	15.51	15.70	15.57	16.2	0.0
Channel				503202	518596	534000	Tune-up MPR	
Frequency (MHz)				2516.01	2602.99	2670	limit (dB)	
40	QPSK	1	1	15.52	15.69	15.53	16.2	0.0
Channel				502200	518596	534996	Tune-up MPR	
Frequency (MHz)				2511	2602.99	2674.96	limit (dB)	
30	QPSK	1	1	15.54	15.68	15.57	16.2	0.0
Channel				502200	518596	534996	Tune-up MPR	
Frequency (MHz)				2511	2602.99	2674.96	limit (dB)	
25	QPSK	1	1	15.59	15.67	15.59	16.2	0.0
Channel				501204	518596	535998	Tune-up MPR	
Frequency (MHz)				2506.02	2602.99	2679.99	limit (dB)	
20	QPSK	1	1	15.52	15.61	15.60	16.2	0.0
Channel				500700	518596	536496	Tune-up MPR	
Frequency (MHz)				2501.5	2602.99	2683.48	limit (dB)	
15	QPSK	1	1	15.57	15.65	15.53	16.2	0.0
Channel				500202	518596	537000	Tune-up MPR	
Frequency (MHz)				2501.01	2602.99	2685	limit (dB)	
10	QPSK	1	1	15.51	15.62	15.54	16.2	0.0



n2 Ant6 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1880	1890			
40	1/2 BPSK	1	1	18.79	18.71	18.77		20.2	0.0
40	1/2 BPSK	1	108	18.76	18.83	18.81			
40	1/2 BPSK	1	214	18.78	18.86	18.81			
40	1/2 BPSK	108	0	18.89	18.72	18.66		20.2	0.0
40	1/2 BPSK	108	54	18.81	18.83	18.64		20.2	0.0
40	1/2 BPSK	108	108	18.74	18.84	18.67		20.2	0.0
40	1/2 BPSK	216	0	18.91	18.69	18.78			
40	QPSK	1	1	18.87	18.95	18.71			
40	QPSK	1	108	18.84	18.85	18.74		20.2	0.0
40	QPSK	1	214	18.66	18.74	18.91			
40	QPSK	108	0	18.79	18.75	18.87		20.2	0.0
40	QPSK	108	54	18.74	18.91	18.78		20.2	0.0
40	QPSK	108	108	18.79	18.76	18.81		20.2	0.0
40	QPSK	216	0	18.70	18.64	18.82			
40	16QAM	1	1	18.74	18.65	18.80		20.2	0.0
40	64QAM	1	1	18.70	18.82	18.79		20.2	0.0
40	256QAM	1	1	18.83	18.68	18.81		20.2	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1883.5	1890	1892.5	limit (dB)		
35	QPSK	1	1	18.85	18.93	18.84		20.2	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1883	1890	1895	limit (dB)		
30	QPSK	1	1	18.84	18.85	18.87		20.2	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1882.5	1890	1897.5	limit (dB)		
25	QPSK	1	1	18.83	18.90	18.95		20.2	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1880	1890	1900	limit (dB)		
20	QPSK	1	1	18.86	18.86	18.80		20.2	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1877.5	1890	1892.5	limit (dB)		
15	QPSK	1	1	18.76	18.88	18.66		20.2	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1885	1890	1905	limit (dB)		
10	QPSK	1	1	18.86	18.87	18.80		20.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1883.5	1890	1897.5	limit (dB)		
5	QPSK	1	1	18.77	18.86	18.66		20.2	0.0

n7 Ant6 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	1/2 BPSK	1	1	17.46	17.47	17.49		18.2	0.0
40	1/2 BPSK	1	108	17.48	17.43	17.55			
40	1/2 BPSK	1	214	17.46	17.48	17.53			
40	1/2 BPSK	108	0	17.58	17.52	17.33		18.2	0.0
40	1/2 BPSK	108	54	17.52	17.53	17.42		18.2	0.0
40	1/2 BPSK	108	108	17.51	17.42	17.36		18.2	0.0
40	1/2 BPSK	216	0	17.59	17.43	17.58			
40	QPSK	1	1	17.50	17.53	17.50			
40	QPSK	1	108	17.46	17.50	17.41		18.2	0.0
40	QPSK	1	214	17.34	17.43	17.49			
40	QPSK	108	0	17.48	17.60	17.48		18.2	0.0
40	QPSK	108	54	17.47	17.52	17.43		18.2	0.0
40	QPSK	108	108	17.45	17.48	17.49		18.2	0.0
40	QPSK	216	0	17.48	17.55	17.55			
40	16QAM	1	1	17.45	17.35	17.53		18.2	0.0
40	64QAM	1	1	17.53	17.43	17.48		18.2	0.0
40	256QAM	1	1	17.42	17.48	17.54		18.2	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	17.49	17.57	17.46		18.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516	2535	2553	limit (dB)		
30	QPSK	1	1	17.42	17.56	17.47		18.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	17.47	17.58	17.43		18.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	1/2 BPSK	1	1	17.43	17.57	17.42		18.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	17.44	17.55	17.40		18.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	limit (dB)		
10	QPSK	1	1	17.46	17.61	17.44		18.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	17.41	17.57	17.45		18.2	0.0

n66 Ant6 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	17.69	17.55	17.65			
40	1/2 BPSK	1	108	17.80	17.66	17.69		19.2	0.0
40	1/2 BPSK	1	214	17.68	17.69	17.75			
40	1/2 BPSK	108	0	17.83	17.66	17.51		19.2	0.0
40	1/2 BPSK	108	54	17.69	17.75	17.66		19.2	0.0
40	1/2 BPSK	108	108	17.68	17.69	17.63		19.2	0.0
40	1/2 BPSK	216	0	17.77	17.58	17.78			
40	QPSK	1	1	17.70	17.85	17.63			
40	QPSK	1	108	17.69	17.82	17.71		19.2	0.0
40	QPSK	1	214	17.62	17.69	17.73			
40	QPSK	108	0	17.69	17.60	17.66		19.2	0.0
40	QPSK	108	54	17.64	17.81	17.71		19.2	0.0
40	QPSK	108	108	17.65	17.73	17.70		19.2	0.0
40	QPSK	216	0	17.56	17.77	17.72			
40	16QAM	1	1	17.70	17.69	17.72		19.2	0.0
40	64QAM	1	1	17.60	17.68	17.60		19.2	0.0
40	256QAM	1	1	17.68	17.76	17.76		19.2	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)		
35	QPSK	1	1	17.62	17.75	17.57		0.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	limit (dB)		
30	QPSK	1	1	17.68	17.77	17.57		19.2	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	QPSK	1	1	17.69	17.78	17.60		19.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	17.69	17.83	17.54		19.2	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)		
15	QPSK	1	1	17.61	17.80	17.56		19.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	limit (dB)		
10	QPSK	1	1	17.62	17.83	17.58		19.2	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)		
5	QPSK	1	1	17.64	17.75	17.54		19.2	0.0



n38 Ant6 DSI 4									
BW [MHz]	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)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	17.51	17.47	17.48			
40	1/2 BPSK	1	53	17.54	17.62	17.56	18.5	0.0	
40	1/2 BPSK	1	104	17.61	17.65	17.61			
40	1/2 BPSK	50	0	17.65	17.55	17.51	18.5	0.0	
40	1/2 BPSK	50	28	17.55	17.62	17.47	18.5	0.0	
40	1/2 BPSK	50	56	17.66	17.65	17.50	18.5	0.0	
40	1/2 BPSK	100	0	17.64	17.46	17.60			
40	QPSK	1	1	17.60	17.36	17.63			
40	QPSK	1	53	17.60	17.75	17.60	18.5	0.0	
40	QPSK	1	104	17.47	17.60	17.70			
40	QPSK	50	0	17.53	17.58	17.68	18.5	0.0	
40	QPSK	50	28	17.49	17.74	17.53	18.5	0.0	
40	QPSK	50	56	17.69	17.60	17.69	18.5	0.0	
40	QPSK	100	0	17.54	17.72	17.56			
40	16QAM	1	1	17.57	17.62	17.61	18.5	0.0	
40	16QAM	1	1	17.60	17.56	17.53	18.5	0.0	
40	256QAM	1	1	17.65	17.66	17.70	18.5	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up	MPR	
30	QPSK	1	1	17.53	17.65	17.54	18.5	0.0	
Channel									
Frequency (MHz)				516604	519000	521496	Tune-up	MPR	
25	QPSK	1	1	17.53	17.66	17.57	18.5	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up	MPR	
20	QPSK	1	1	17.59	17.71	17.53	18.5	0.0	
Channel									
Frequency (MHz)				515602	519000	522498	Tune-up	MPR	
15	QPSK	1	1	17.54	17.70	17.50	18.5	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up	MPR	
10	QPSK	1	1	17.52	17.67	17.59	18.5	0.0	

n41 Ant6 DSI 4									
BW [MHz]	Module ion	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)				509202	518598	528000			
100	1/2 BPSK	1	1	17.34	17.17	17.29		18.7	0.0
100	1/2 BPSK	1	137	17.34	17.25	17.38			
100	1/2 BPSK	1	271	17.23	17.25	17.38			
100	1/2 BPSK	135	0	17.38	17.36	17.18	18.7	0.0	
100	1/2 BPSK	135	69	17.26	17.29	17.19		18.7	0.0
100	1/2 BPSK	135	138	17.24	17.26	17.14		18.7	0.0
100	1/2 BPSK	270	0	17.38	17.16	17.37			
100	QPSK	1	1	17.34	17.43	17.20			
100	QPSK	1	137	17.31	17.35	17.18	18.7	0.0	
100	QPSK	1	271	17.22	17.17	17.42			
100	QPSK	135	0	17.17	17.23	17.24	18.7	0.0	
100	QPSK	135	69	17.25	17.40	17.30		18.7	0.0
100	QPSK	135	138	17.33	17.23	17.34		18.7	0.0
100	QPSK	270	0	17.29	17.38	17.31			
100	16QAM	1	1	17.25	17.24	17.21	18.7	0.0	
100	16QAM	1	1	17.20	17.26	17.29	18.7	0.0	
100	256QAM	1	1	17.31	17.32	17.29	18.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up	MPR	
90	QPSK	1	1	17.30	17.29	17.17	18.7	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up	MPR	
80	QPSK	1	1	17.25	17.34	17.18	18.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up	MPR	
70	QPSK	1	1	17.31	17.52	17.55			
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up	MPR	
60	QPSK	1	1	17.25	17.40	17.19	18.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up	MPR	
50	QPSK	1	1	17.28	17.41	17.14	18.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up	MPR	
40	QPSK	1	1	17.26	17.33	17.18	18.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
30	QPSK	1	1	17.26	17.38	17.16	18.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
25	QPSK	1	1	17.32	17.38	17.13	18.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535996	Tune-up	MPR	
20	QPSK	1	1	17.28	17.33	17.10	18.7	0.0	
Channel									
Frequency (MHz)				500700	518598	536496	Tune-up	MPR	
15	QPSK	1	1	17.24	17.34	17.10	18.7	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up	MPR	
10	QPSK	1	1	17.25	17.37	17.15	18.7	0.0	

Part96 n48 Ant6 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel				636000	641666	645738			
Frequency (MHz)				3570	3624.99	3679.98			
40	1/2 BPSK	1	1	18.03	17.93	17.88		19.5	0.0
40	1/2 BPSK	1	53	17.96	18.01	18.00			
40	1/2 BPSK	1	104	17.96	17.98	18.05			
40	1/2 BPSK	50	0	18.08	17.97	17.81	19.5	0.0	
40	1/2 BPSK	50	28	18.01	18.03	17.97	19.5	0.0	
40	1/2 BPSK	50	56	18.01	17.96	17.89	19.5	0.0	
40	1/2 BPSK	100	0	18.03	17.87	17.98			
40	QPSK	1	1	18.14	18.17	17.85			
40	QPSK	1	53	18.10	18.12	17.91	19.5	0.0	
40	QPSK	1	104	17.82	17.89	18.04			
40	QPSK	50	0	17.99	18.01	17.95	19.5	0.0	
40	QPSK	50	28	17.85	18.14	17.89	19.5	0.0	
40	QPSK	50	56	17.97	18.04	18.11		19.5	0.0
40	QPSK	100	0	17.87	18.11	18.04			
40	16QAM	1	1	18.01	17.97	17.90	19.5	0.0	
40	16QAM	1	1	17.94	18.02	17.98	19.5	0.0	
40	256QAM	1	1	18.00	18.13	17.95	19.5	0.0	
Channel				636000	641666	645738	Tune-up	MPR	
Frequency (MHz)				637668	641666	645666			
30	QPSK	1	1	18.11	18.11	17.50	19.5	0.0	
Channel				637334 <th>641666</th> <th>646000</th> <th>Tune-up</th> <th>MPR</th> <th></th>	641666	646000	Tune-up	MPR	
20	QPSK	1	1	18.10	18.14	17.65	19.5	0.0	
Channel				637168	641666	646166	Tune-up	MPR	
Frequency (MHz)				637332	641666	646266			
15	QPSK	1	1	18.04	18.09	17.69	19.5	0.0	
Channel				637000	641666	646332	Tune-up	MPR	
Frequency (MHz)				637000	641666	646332			
10	QPSK	1	1	18.08	18.11	17.65	19.5	0.0	

Part270 n77 Ant6 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	17.97	17.97	17.97	19.5	0.0	
100	1/2 BPSK	1	137	17.97	18.01	18.04	19.5	0.0	
100	1/2 BPSK	1	274	18.01	18.01	18.00	19.5	0.0	
100	1/2 BPSK	135	0	18.06	18.06	17.84	19.5	0.0	
100	1/2 BPSK	135	69	18.06	18.06	17.84	19.5	0.0	
100	1/2 BPSK	135	138	18.04	17.97	17.92	19.5	0.0	
100	1/2 BPSK	270	0	18.02	18.05	18.00	19.5	0.0	
100	QPSK	1	137	18.05	18.00	18.00	19.5	0.0	
100	QPSK	1	274	17.98	18.01	18.03	19.5	0.0	
100	QPSK	135	0	18.02	17.97	18.02	19.5	0.0	
100	QPSK	135	69	17.93	18.14	17.87	19.5	0.0	
100	QPSK	135	138	18.04	18.04	17.87	19.5	0.0	
100	QPSK	270	0	17.97	18.07	17.98	19.5	0.0	
100	16QAM	1	1	17.94	17.84	17.98	19.5	0.0	
100	16QAM	1	137	18.04	18.04	17.97	19.5	0.0	
100	256QAM	1	1	18.03	18.00	18.07	19.5	0.0	
Channel									
Frequency (MHz)				46688	66600	66234	Tune-up	MPR	
90	QPSK	384	1	18.04	18.11	17.93	19.5	0.0	
Channel									
Frequency (MHz)				3750	3840	3930			
80	QPSK	1	1	18.02	18.13	18.00	19.5	0.0	
Channel									
Frequency (MHz)				3735	3840	3940			
70	QPSK	1	1	17.98	18.11	17.97	19.5	0.0	
Channel									
Frequency (MHz)				3730	3840	3950			
60	QPSK	1	1	18.02	18.13	17.94	19.5	0.0	
Channel									
Frequency (MHz)				3725	3840	3960			
50	QPSK	1	1	17.99	18.10	17.96	19.5	0.0	
Channel									
Frequency (MHz)				3720	3840	3970	Tune-up	MPR	
40	QPSK	1	1	18.01	18.03	18.01	19.5	0.0	
Channel									
Frequency (MHz)				3715	3840	3980	Tune-up	MPR	
30	QPSK	1	1	18.00	18.03	18.01	19.5	0.0	
Channel									
Frequency (MHz)				3710	3840	3990	Tune-up	MPR	
25	QPSK	1	1	18.00	18.03	18.01	19.5	0.0	
Channel									
Frequency (MHz)				3700	3840	4000	Tune-up	MPR	
20	QPSK	1	1	18.00	18.03	18.01	19.5	0.0	
Channel									
Frequency (MHz)				3695	3840	4005	Tune-up	MPR	
15	QPSK	1	1	17.99	18.11	17.95	19.5	0.0	
Channel									
Frequency (MHz)				3690	3840	4010	Tune-up	MPR	
10	QPSK	1	1	17.98	18.10	17.98	19.5	0.0	



Part270 n77 Ant6 DSI 4 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		22.5	0.0
100	1/2 BPSK	1	137	21.02	20.96	21.06			
100	1/2 BPSK	1	271	21.06	21.07	21.18			
100	1/2 BPSK	135	0	21.20	21.04	20.96	22.5		
100	1/2 BPSK	135	69	21.06	21.12	21.30	22.5	0.0	0.0
100	1/2 BPSK	135	138	21.09	21.04	20.96	22.5		
100	1/2 BPSK	270	0	21.18	21.04	21.09	22.5		
100	QPSK	1	137	21.13	21.13	21.07			
100	QPSK	1	271	20.97	21.00	21.13		22.5	0.0
100	QPSK	135	0	21.03	21.07	21.15	22.5		
100	QPSK	135	69	21.01	21.19	21.08	22.5		
100	QPSK	135	138	21.09	21.05	21.07	22.5		
100	QPSK	270	0	20.98	21.13	21.06	22.5	0.0	0.0
100	16QAM	1	1	21.18	21.09	21.09	22.5		
100	16QAM	1	1	21.00	21.10	21.05	22.5		
100	256QAM	1	1	21.11	21.10	21.08	22.5		
Channel									
Frequency (MHz)									
90	QPSK	1	1	649688	656000	662334	Tune-up limit (dB)	20.0	0.0
90	QPSK	1	1	3745.02	3840	3935.01	limit (dB)		
90	QPSK	1	1	21.13	21.17	20.90	22.5		
90	QPSK	1	1	649334	656000	662668	Tune-up limit (dB)		
80	QPSK	1	1	3740.01	3840	3940.02	limit (dB)	20.0	0.0
80	QPSK	1	1	21.11	21.19	20.93	22.5		
80	QPSK	1	1	649000	656000	663000	Tune-up limit (dB)		
80	QPSK	1	1	3735	3840	3945	limit (dB)		
70	QPSK	1	1	21.09	21.17	20.96	22.5	0.0	0.0
70	QPSK	1	1	648668	656000	663334	Tune-up limit (dB)		
70	QPSK	1	1	3730.02	3840	3950.01	limit (dB)		
70	QPSK	1	1	21.11	21.12	20.90	22.5		
60	QPSK	1	1	648334	656000	663668	Tune-up limit (dB)	20.0	0.0
60	QPSK	1	1	3725.01	3840	3955.02	limit (dB)		
60	QPSK	1	1	21.10	21.13	20.92	22.5		
60	QPSK	1	1	648000	656000	664000	Tune-up limit (dB)		
50	QPSK	1	1	3720	3840	3960	limit (dB)	20.0	0.0
50	QPSK	1	1	21.10	21.21	20.96	22.5		
50	QPSK	1	1	647668	656000	664334	Tune-up limit (dB)		
50	QPSK	1	1	3715.02	3840	3965.01	limit (dB)		
40	QPSK	1	1	647500	656000	664500	Tune-up limit (dB)	20.0	0.0
40	QPSK	1	1	21.08	21.20	20.97	22.5		
40	QPSK	1	1	647334	656000	664668	Tune-up limit (dB)		
40	QPSK	1	1	3710.01	3840	3970.02	limit (dB)		
30	QPSK	1	1	21.07	21.21	20.96	22.5	0.0	0.0
30	QPSK	1	1	647334	656000	664668	Tune-up limit (dB)		
30	QPSK	1	1	3705.01	3840	3975.02	limit (dB)		
30	QPSK	1	1	21.06	21.16	20.97	22.5		
25	QPSK	1	1	647168	656000	664834	Tune-up limit (dB)	20.0	0.0
25	QPSK	1	1	3701.92	3840	3979.51	limit (dB)		
25	QPSK	1	1	21.10	21.20	20.90	22.5		
25	QPSK	1	1	647000	656000	665000	Tune-up limit (dB)		
20	QPSK	1	1	3705	3840	3975	limit (dB)	20.0	0.0
20	QPSK	1	1	21.12	21.18	20.94	22.5		
20	QPSK	1	1	646800	656000	665200	Tune-up limit (dB)		
20	QPSK	1	1	3700	3840	3980	limit (dB)		

Part270Q n77 Ant6 DSI 4											
BW [MHz]	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	1/2 BPSK	1	1		3500.01			19.5	0.0		
100	1/2 BPSK	1	1		17.81						
100	1/2 BPSK	1	137		17.92						
100	1/2 BPSK	1	271		18.00						
100	1/2 BPSK	135	0		18.00		19.5	0.0	0.0		
100	1/2 BPSK	135	69		17.96		19.5				
100	1/2 BPSK	135	138		17.92		19.5				
100	1/2 BPSK	270	0		17.95		19.5				
100	QPSK	1	1		18.16			19.5	0.0		
100	QPSK	1	137		18.08						
100	QPSK	1	271		17.96						
100	QPSK	135	0		17.96		19.5				
100	QPSK	135	69		18.11		19.5	0.0	0.0		
100	QPSK	135	138		18.00		19.5				
100	QPSK	270	0		18.06		19.5				
100	16QAM	1	1		17.89		19.5				
100	64QAM	1	1		17.97		19.5	0.0	0.0		
100	256QAM	1	1		18.00		19.5				
Channel											
Frequency (MHz)											
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dB)	20.0	0.0		
90	QPSK	1	1	3465	3500.01	3535.02	limit (dB)				
90	QPSK	1	1	18.12	18.12	18.11	19.5				
90	QPSK	1	1	632668	633334	634000	Tune-up limit (dB)				
80	QPSK	1	1	3460.02	3500.01	3510	limit (dB)	20.0	0.0		
80	QPSK	1	1	18.10	18.10	18.08	19.5				
80	QPSK	1	1	632334	633334	634334	Tune-up limit (dB)				
80	QPSK	1	1	3455.01	3500.01	3515.01	limit (dB)				
70	QPSK	1	1	632000	633334	634668	Tune-up limit (dB)	20.0	0.0		
70	QPSK	1	1	3450	3500.01	3520.02	limit (dB)				
70	QPSK	1	1	18.09	18.05	18.05	19.5				
70	QPSK	1	1	631668	633334	635000	Tune-up limit (dB)				
60	QPSK	1	1	3445.00	3500.01	3525	limit (dB)	20.0	0.0		
60	QPSK	1	1	18.09	18.13	18.14	19.5				
60	QPSK	1	1	631334	633334	635334	Tune-up limit (dB)				
60	QPSK	1	1	3440.01	3500.01	3530.01	limit (dB)				
50	QPSK	1	1	631000	633334	635668	Tune-up limit (dB)	20.0	0.0		
50	QPSK	1	1	3435	3500.01	3535.02	limit (dB)				
50	QPSK	1	1	18.12	18.14	18.12	19.5				
50	QPSK	1	1	631000	633334	635668	Tune-up limit (dB)				
40	QPSK	1	1	3430.01	3500.01	3540.01	limit (dB)	20.0	0.0		
40	QPSK	1	1	18.12	18.06	18.13	19.5				
40	QPSK	1	1	630834	633334	635834	Tune-up limit (dB)				
40	QPSK	1	1	3425.01	3500.01	3545.01	limit (dB)				
30	QPSK	1	1	630668	633334	636000	Tune-up limit (dB)	20.0	0.0		
30	QPSK	1	1	3420.02	3500.01	3550.01	limit (dB)				
30	QPSK	1	1	18.06	18.08	18.10	19.5				
30	QPSK	1	1	630500	633334	636168	Tune-up limit (dB)				
25	QPSK	1	1	3415.01	3500.01	3549.92	limit (dB)	20.0	0.0		
25	QPSK	1	1	18.09	18.12	18.13	19.5				
25	QPSK	1	1	630334	633334	636334	Tune-up limit (dB)				
25	QPSK	1	1	3410.01	3500.01	3549.01	limit (dB)				
20	QPSK	1	1	630000	633334	636668	Tune-up limit (dB)	20.0	0.0		
20	QPSK	1	1	3405	3500.01	3549.02	limit (dB)				
20	QPSK	1	1	18.12	18.09	18.11	19.5				
20	QPSK	1	1	629800	633334	637000	Tune-up limit (dB)				
15	QPSK	1	1	3400	3500.01	3549.01	limit (dB)	20.0	0.0		
15	QPSK	1	1	18.12	18.09	18.11	19.5				
15	QPSK	1	1	629500	633334	637300	Tune-up limit (dB)				
15	QPSK	1	1	3395	3500.01	3549.01	limit (dB)				

Part270Q n77 Ant6 DSI 4 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	1/2 BPSK	1	1		3500.01			22.5	0.0
100	1/2 BPSK	1	1		21.06				
100	1/2 BPSK	1	137		21.26				
100	1/2 BPSK	1	271		21.27				
100	1/2 BPSK	135	0		21.17		22.5	0.0	0.0
100	1/2 BPSK	135	138		21.14		22.5	0.0	0.0
100	1/2 BPSK	270	0		21.13				
100	QPSK	1	137		21.26		22.5	0.0	
100	QPSK	1	271		21.26		22.5	0.0	
100	QPSK	135	0		21.19		22.5	0.0	
100	QPSK	135	68		21.32		22.5	0.0	
100	QPSK	135	138		21.12		22.5	0.0	
100	QPSK	270	0		21.28		22.5	0.0	
100	16QAM	1	1		21.11		22.5	0.0	
100	16QAM	1	137		21.12		22.5	0.0	
100	256QAM	1	1		21.05		22.0	0.5	
Channel									
90	QPSK	1	1	633000	633334	633668	Tune-up MPR		
90	QPSK	1	1	21.28	21.24	21.32	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3500.01	3500.01	3510.01			
80	QPSK	1	1	21.25	21.29	21.28	22.5	0.0	
80	QPSK	1	1	633000	633334	633668	Tune-up MPR		
80	QPSK	1	1	3585.01	3500.01	3515.01			
70	QPSK	1	1	21.31	21.27	21.30	22.5	0.0	
70	QPSK	1	1	633000	633334	633668	Tune-up MPR		
70	QPSK	1	1	3480	3500.01	3520.02			
60	QPSK	1	1	21.28	21.32	21.45	22.5	0.0	
50	QPSK	1	1	3500.01	3500.01	3520.01			
50	QPSK	1	1	3475.02	3500.01	3525			
40	QPSK	1	1	21.30	21.32	21.31	22.5	0.0	
40	QPSK	1	1	3470.01	3500.01	3530.01			
Channel									
30	QPSK	1	1	631000	633334	635668	Tune-up MPR		
30	QPSK	1	1	3465	3500.01	3535.02			
Channel									
25	QPSK	1	1	21.31	21.31	21.33	22.5	0.0	
25	QPSK	1	1	630834	633334	635834	Tune-up MPR		
25	QPSK	1	1	3482.51	3500.01	3537.51			
Channel									
20	QPSK	1	1	21.31	21.30	21.31	22.5	0.0	
20	QPSK	1	1	630668	633334	636000	Tune-up MPR		
20	QPSK	1	1	3480.02	3500.01	3540			
Channel									
15	QPSK	1	1	21.30	21.31	21.32	22.5	0.0	
15	QPSK	1	1	630500	633334	636166	Tune-up MPR		
15	QPSK	1	1	3487.5	3500.01	3547.5			
Channel									
10	QPSK	1	1	21.33	21.30	21.29	22.5	0.0	
10	QPSK	1	1	630334	633334	636334	Tune-up MPR		
10	QPSK	1	1	3490.01	3500.01	3550.01			
Channel									
10	QPSK	1	1	21.23	21.24	21.25	22.5	0.0	

Part270 n78 Ant6 DSI 4 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		21.38			23.0	0.0
100	1/2 BPSK	1	137		21.52				
100	1/2 BPSK	1	271		21.55				
100	1/2 BPSK	135	0		21.51			23.0	0.0
100	1/2 BPSK	135	69		21.52			23.0	0.0
100	1/2 BPSK	135	138		21.41			23.0	0.0
100	1/2 BPSK	270	0		21.47				
100	QPSK	1	1		21.67				
100	QPSK	1	137		21.58			23.0	0.0
100	QPSK	1	271		21.49				
100	QPSK	135	0		21.46			23.0	0.0
100	QPSK	135	69		21.65			23.0	0.0
100	QPSK	135	138		21.47			23.0	0.0
100	QPSK	270	0		21.54				
100	16QAM	1	1		21.42			23.0	0.0
100	64QAM	1	1		21.40			23.0	0.0
100	256QAM	1	1		20.91			22.7	0.3
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3743.02	3750	3753.01	limit (dB)		
90	QPSK	1	1	21.58	21.64	21.53	23.0	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	21.59	21.56	21.63	23.0	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	21.61	21.55	21.52	23.0	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3743.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	21.66	21.60	21.55	23.0	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3745.01	3750	3785.02	limit (dB)		
50	QPSK	1	1	21.58	21.56	21.61	23.0	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3740	3750	3790	limit (dB)		
40	QPSK	1	1	21.65	21.57	21.63	23.0	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3743.02	3750	3795.01	limit (dB)		
30	QPSK	1	1	21.97	21.99	21.84	23.0	0.0	
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3743.5	3750	3797.5	limit (dB)		
25	QPSK	1	1	21.64	21.59	21.63	23.0	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3790.02	limit (dB)		
20	QPSK	1	1	21.61	21.58	21.60	23.0	0.0	
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit (dB)		
15	QPSK	1	1	21.64	21.63	21.63	23.0	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1	21.64	21.60	21.62	23.0	0.0	

Part27Q n78 Ant6 DSI 4									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		18.35			20.0	0.0
100	1/2 BPSK	1	137		18.40				
100	1/2 BPSK	1	271		18.49				
100	1/2 BPSK	135	0		18.28			20.0	0.0
100	1/2 BPSK	135	69		18.35			20.0	0.0
100	1/2 BPSK	135	138		18.42			20.0	0.0
100	1/2 BPSK	270	0		18.38				
100	QPSK	1	1		18.35				
100	QPSK	1	137		18.54			20.0	0.0
100	QPSK	1	271		18.25				
100	QPSK	135	0		18.49			20.0	0.0
100	QPSK	135	69		18.52			20.0	0.0
100	QPSK	135	138		18.47			20.0	0.0
100	QPSK	270	0		18.45				
100	16QAM	1	1		18.19			20.0	0.0
100	64QAM	1	1		18.41			20.0	0.0
100	256QAM	1	1		18.47			20.0	0.0
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	18.45	18.53	18.53	20.0	0.0	
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	18.47	18.49	18.46	20.0	0.0	
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	18.49	18.53	18.44	20.0	0.0	
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	18.44	18.47	18.45	20.0	0.0	
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	18.47	18.52	18.50	20.0	0.0	
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	18.50	18.49	18.51	20.0	0.0	
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	18.51	18.51	18.49	20.0	0.0	
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	18.49	18.50	18.50	20.0	0.0	
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	18.50	18.48	18.52	20.0	0.0	
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	18.45	18.49	18.51	20.0	0.0	
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	18.45	18.52	18.48	20.0	0.0	

Part27Q n78 Ant6 DSI 4 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		21.41			23.0	0.0
100	1/2 BPSK	1	137		21.44				
100	1/2 BPSK	1	271		21.56				
100	1/2 BPSK	135	0		21.50			23.0	0.0
100	1/2 BPSK	135	69		21.52			23.0	0.0
100	1/2 BPSK	135	138		21.33			23.0	0.0
100	1/2 BPSK	270	0		21.44				
100	QPSK	1	1		21.73				
100	QPSK	1	137		21.52			23.0	0.0
100	QPSK	1	271		21.43				
100	QPSK	135	0		21.51			23.0	0.0
100	QPSK	135	69		21.61			23.0	0.0
100	QPSK	135	138		21.44			23.0	0.0
100	QPSK	270	0		21.51				
100	16QAM	1	1		21.40			23.0	0.0
100	64QAM	1	1		21.47			23.0	0.0
100	256QAM	1	1		21.10			22.7	0.3
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	21.69	21.63	21.69	23.0	0.0	
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	21.63	21.62	21.62	23.0	0.0	
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.0	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	21.65	21.66	21.67	23.0	0.0	
Channel				631998	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.0	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	21.70	21.65	21.62	23.0	0.0	
Channel				631664	633334	636000	Tune-up	MPR	
Frequency (MHz)				3474.02	3500.01	3525.01	limit (dB)		
50	QPSK	1	1	21.64	21.68	21.67	23.0	0.0	
Channel				631334	633334	636668	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	21.62	21.63	21.65	23.0	0.0	
Channel				631000	633334	637334	Tune-up	MPR	
Frequency (MHz)				3465.00	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	21.67	21.68	21.69	23.0	0.0	
Channel				630634	633334	638000	Tune-up	MPR	
Frequency (MHz)				3462.01	3500.01	3540.01	limit (dB)		
25	QPSK	1	1	21.70	21.69	21.68	23.0	0.0	
Channel				630668	633334	639000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3545.01	limit (dB)		
20	QPSK	1	1	21.69	21.70 <td>21.69</td> <td>23.0</td> <td>0.0</td> <td></td>	21.69	23.0	0.0	
Channel				630500	633334	639668	Tune-up	MPR	
Frequency (MHz)				3458.0	3500.01	3550.02	limit (dB)		
15	QPSK	1	1	21.72	21.70 <td>21.68</td> <td>23.0</td> <td>0.0</td> <td></td>	21.68	23.0	0.0	
Channel				630334	633334	640334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3555.01	limit (dB)		
10	QPSK	1	1	21.68	21.68	21.69	23.0	0.0	



Part96 n48 Ant7 DSI 4											
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
40	1/2 BPSK	1	1	3570	3624.99	3679.98		15.2	0.0		
40	1/2 BPSK	1	53	14.60	14.51	14.63					
40	1/2 BPSK	1	104	14.61	14.62	14.59					
40	1/2 BPSK	50	0	14.65	14.61	14.60		15.2	0.0		
40	1/2 BPSK	50	26	14.56	14.61	14.66					
40	1/2 BPSK	50	56	14.61	14.58	14.52					
40	QPSK	1	1	14.58	14.72	14.63		15.2	0.0		
40	QPSK	1	53	14.57	14.55	14.55					
40	QPSK	1	104	14.54	14.59	14.62					
40	QPSK	50	0	14.63	14.64	14.58		15.2	0.0		
40	QPSK	50	26	14.60	14.65	14.65					
40	QPSK	50	56	14.65	14.61	14.58					
40	QPSK	100	0	14.62	14.65	14.53		15.2	0.0		
40	16QAM	1	1	14.57	14.65	14.57					
40	16QAM	1	1	14.59	14.59	14.61					
40	256QAM	1	1	14.50	14.61	14.59					
Channel											
Frequency (MHz)											
30	QPSK	1	1	637668	641666	645666	Tune-up	MPR	(dB)		
				3559.02	3629.39	3694.32	limit				
				14.52	14.63	14.53					
Channel											
Frequency (MHz)											
20	QPSK	1	1	637334	641666	646000	Tune-up	MPR	(dB)		
				3559.01	3629.39	3694.30	limit				
				14.51	14.61	14.59					
Channel											
Frequency (MHz)											
15	QPSK	1	1	637168	641666	646166	Tune-up	MPR	(dB)		
				3557.52	3629.39	3692.40	limit				
				14.49	14.69	14.59					
Channel											
Frequency (MHz)											
10	QPSK	1	1	637000	641666	646332	Tune-up	MPR	(dB)		
				3555	3629.39	3694.36	limit				
				14.47	14.65	14.58					

Part270 n77 Ant7 DSI 4											
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		16.0	0.0		
100	1/2 BPSK	1	1	15.08	15.00	15.02					
100	1/2 BPSK	1	137	15.04	15.14	15.00					
100	1/2 BPSK	1	271	15.07	15.03	15.13		16.0	0.0		
100	1/2 BPSK	135	0	15.08	15.10	15.05					
100	1/2 BPSK	135	69	15.03	15.10	15.14					
100	1/2 BPSK	135	138	15.06	15.11	15.04		16.0	0.0		
100	1/2 BPSK	270	0	15.07	15.06	14.99					
100	QPSK	1	1	15.10	15.16	15.08					
100	QPSK	1	137	14.93	14.98	14.99		16.0	0.0		
100	QPSK	1	271	15.05	15.08	15.09					
100	QPSK	135	0	15.02	15.06	15.00					
100	QPSK	135	69	15.03	15.14	15.09		16.0	0.0		
100	QPSK	135	138	15.08	15.08	15.12					
100	QPSK	270	0	14.99	15.07	14.98					
100	16QAM	1	1	14.94	15.05	15.09		16.0	0.0		
100	16QAM	1	1	15.08	15.01	15.09					
100	256QAM	1	1	15.01	15.03	15.01					
Channel											
Frequency (MHz)											
90	QPSK	1	1	646668	650000	662334	Tune-up	MPR	(dB)		
				3743.02	3840	3933.01	limit				
				15.03	15.07	15.03					
Channel											
Frequency (MHz)											
80	QPSK	1	1	646334	650000	662668	Tune-up	MPR	(dB)		
				3740.01	3840	3940.02	limit				
				15.07	15.13	15.04					
Channel											
Frequency (MHz)											
70	QPSK	1	1	646000	650000	663000	Tune-up	MPR	(dB)		
				3735	3840	3945	limit				
				14.99	15.05	14.99					
Channel											
Frequency (MHz)											
60	QPSK	1	1	646668	650000	663334	Tune-up	MPR	(dB)		
				3740.02	3840	3950.01	limit				
				15.00	15.13	15.05					
Channel											
Frequency (MHz)											
50	QPSK	1	1	646334	650000	663668	Tune-up	MPR	(dB)		
				3735.01	3840	3955.02	limit				
				15.02	15.05	15.00					
Channel											
Frequency (MHz)											
40	QPSK	1	1	646000	650000	664000	Tune-up	MPR	(dB)		
				3720	3840	3950	limit				
				15.00	15.06	14.99					
Channel											
Frequency (MHz)											
30	QPSK	1	1	647668	650000	664334	Tune-up	MPR	(dB)		
				3715.02	3840	3965.01	limit				
				15.04	15.10	14.97					
Channel											
Frequency (MHz)											
25	QPSK	1	1	647500	650000	664500	Tune-up	MPR	(dB)		
				3712.5	3840	3962.5	limit				
				15.08	15.09	14.99					
Channel											
Frequency (MHz)											
20	QPSK	1	1	647334	650000	664668	Tune-up	MPR	(dB)		
				3710.01	3840	3960.02	limit				
				15.01	15.09	15.05					
Channel											
Frequency (MHz)											
15	QPSK	1	1	647168	650000	664834	Tune-up	MPR	(dB)		
				3707.52	3840	3962.51	limit				
				15.00	15.11	15.03					
Channel											
Frequency (MHz)											
10	QPSK	1	1	647000	650000	665000	Tune-up	MPR	(dB)		
				3705	3840	3965	limit				
				15.06	15.15	15.05					

Part270 n77 Ant7 DSI 4 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	1/2 BPSK	1	1	3750	3840	3930		19.0	0.0
100	1/2 BPSK	1	1	17.98	17.79	17.93			
100	1/2 BPSK	1	137	17.90	17.95	17.89			
100	1/2 BPSK	1	271	17.93	17.91	17.89		19.0	0.0
100	1/2 BPSK	135	0	17.95	17.98	17.84			
100	1/2 BPSK	138	69	17.87	17.85	17.93			
100	1/2 BPSK	138	138	17.85	17.91	17.89		19.0	0.0
100	1/2 BPSK	270	0	17.89	17.87	17.87			
100	QPSK	1	1	17.94	18.02	17.92			
100	QPSK	1	137	17.84	17.87	17.79		19.0	0.0
100	QPSK	1	271	17.81	17.88	17.95			
100	QPSK	138	0	17.88	17.92	17.89			
100	QPSK	138	69	17.92	17.98	17.94		19.0	0.0
100	QPSK	138	138	17.92	17.92	17.92		19.0	0.0
100	QPSK	270	0	17.93	17.95	17.82			
100	16QAM	1	1	17.84	17.88	17.95			
100	16QAM	1	137	17.89	17.89	17.89		19.0	0.0
100	16QAM	1	271	17.89	17.89	17.89			
100	256QAM	1	1	17.88	17.97	17.84			
Channel				64966	65600	66234	Tune-up MPR		
90	1/2 BPSK	1	1	3750	3840	3930		19.0	0.0
90	QPSK	1	1	17.83	17.98	17.97			
90	QPSK	1	137	17.83	17.98	17.97			
Channel				64966	65600	66234	Tune-up MPR		
80	1/2 BPSK	1	1	3740.01	3840	3940.02		19.0	0.0
80	QPSK	1	1	17.88	17.98	17.97			
80	QPSK	1	137	17.88	17.98	17.97			
Channel				64966	65600	66234	Tune-up MPR		
70	1/2 BPSK	1	1	3735	3840	3945		19.0	0.0
70	QPSK	1	1	17.85	17.97	17.81			
70	QPSK	1	137	17.85	17.97	17.81			
Channel				64966	65600	66234	Tune-up MPR		
60	1/2 BPSK	1	1	3730.02	3840	3950.01		19.0	0.0
60	QPSK	1	1	17.85	18.00	17.84			
60	QPSK	1	137	17.85	18.00	17.84			
Channel				64966	65600	66234	Tune-up MPR		
50	1/2 BPSK	1	1	3725.01	3840	3955.02		19.0	0.0
50	QPSK	1	1	17.87	17.95	17.81			
50	QPSK	1	137	17.87	17.95	17.81			
Channel				64966	65600	66234	Tune-up MPR		
40	1/2 BPSK	1	1	3720	3840	3960		19.0	0.0
40	QPSK	1	1	17.87	17.95	17.87			
40	QPSK	1	137	17.87	17.95	17.87			
Channel				64966	65600	66234	Tune-up MPR		
30	1/2 BPSK	1	1	3715.02	3840	3965.01		19.0	0.0
30	QPSK	1	1	17.88	17.95	17.87			
30	QPSK	1	137	17.88	17.95	17.87			
Channel				64966	65600	66234	Tune-up MPR		
25	1/2 BPSK	1	1	3712.5	3840	3967.5		19.0	0.0
25	QPSK	1	1	17.83	17.95	17.85			
25	QPSK	1	137	17.83	17.95	17.85			
Channel				64734	65600	66468	Tune-up MPR		
20	1/2 BPSK	1	1	3710.01	3840	3970.01		19.0	0.0
20	QPSK	1	1	17.85	17.95	17.89			
20	QPSK	1	137	17.85	17.95	17.89			
Channel				64716	65600	66484	Tune-up MPR		
15	1/2 BPSK	1	1	3707.5	3840	3972.5		19.0	0.0
15	QPSK	1	1	17.87	17.92	17.85			
15	QPSK	1	137	17.87	17.92	17.85			
Channel				64700	65600	66500	Tune-up MPR		
10	1/2 BPSK	1	1	3705.01	3840	3975.01		19.0	0.0
10	QPSK	1	1	17.88	18.00	17.82			
10	QPSK	1	137	17.88	18.00	17.82			
Channel				64682	65600	66518	Tune-up MPR		

Part27Q n77 Ant7 DSI 4 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		17.82			19.0	0.0
100	1/2 BPSK	1	137		17.82				
100	1/2 BPSK	1	271		17.85				
100	1/2 BPSK	135	0		17.98			19.0	0.0
100	1/2 BPSK	135	69		17.85			19.0	0.0
100	1/2 BPSK	135	138		17.89				
100	1/2 BPSK	270	0		17.91			19.0	0.0
100	QPSK	1	1		18.01				
100	QPSK	1	137		17.85			19.0	0.0
100	QPSK	1	271		17.90				
100	QPSK	135	0		17.89			19.0	0.0
100	QPSK	135	69		17.96			19.0	0.0
100	QPSK	135	138		17.86			19.0	0.0
100	QPSK	270	0		17.95				
100	16QAM	1	1		17.92			19.0	0.0
100	64QAM	1	1		17.83			19.0	0.0
100	256QAM	1	1		17.95			19.0	0.0
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.02	3505.02	lim (dB)		
90	QPSK	1	1		17.96	17.94	17.99	19.0	0.0
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3450.02	3500.02	3510	lim (dB)		
80	QPSK	1	1		17.08	17.94	17.93	19.0	0.0
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3483.01	3500.01	3513.01	lim (dB)		
70	QPSK	1	1		17.07	17.91	17.93	19.0	0.0
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3480	3500.02	3500.02	lim (dB)		
60	QPSK	1	1		17.07	17.93	17.96	19.0	0.0
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3473.97	3500.02	3505	lim (dB)		
50	QPSK	1	1		17.91	17.96	17.98	19.0	0.0
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.02	3503.01	lim (dB)		
40	QPSK	1	1		17.91	17.97	17.96	19.0	0.0
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3466	3500.02	3505.02	lim (dB)		
30	QPSK	1	1		17.94	17.99	17.93	19.0	0.0
Channel				630634	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.02	3503.51	lim (dB)		
25	QPSK	1	1		17.95	17.99	17.99	19.0	0.0
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.02	3500.02	3500	lim (dB)		
20	QPSK	1	1		17.91	17.91	17.91	19.0	0.0
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3459.51	3500.02	3503.59	lim (dB)		
15	QPSK	1	1		17.99	17.93	17.96	19.0	0.0
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.02	3503.91	lim (dB)		
10	QPSK	1	1		17.93	17.98	17.94	19.0	0.0

Part27O n78 Ant7 DSI 4									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		14.55			15.5	0.0
100	1/2 BPSK	1	137		14.60				
100	1/2 BPSK	1	271		14.54				
100	1/2 BPSK	135	0		14.66			15.5	0.0
100	1/2 BPSK	135	69		14.57			15.5	0.0
100	1/2 BPSK	135	138		14.68				
100	1/2 BPSK	270	0		14.62			15.5	0.0
100	QPSK	1	1		14.73				
100	QPSK	1	137		14.60			15.5	0.0
100	QPSK	1	271		14.62				
100	QPSK	135	0		14.68			15.5	0.0
100	QPSK	135	69		14.71			15.5	0.0
100	QPSK	135	138		14.63			15.5	0.0
100	QPSK	270	0		14.65				
100	16QAM	1	1		14.64			15.5	0.0
100	64QAM	1	1		14.57			15.5	0.0
100	256QAM	1	1		14.63			15.5	0.0
Channel				649668	650000	650334	Tune-up MPR		
Frequency (MHz)				3745.02	3750	3755.01	lim (dB)		
90	QPSK	1	1		14.71	14.74	14.65	15.5	0.0
Channel				649334	650000	650668	Tune-up MPR		
Frequency (MHz)				3740.01	3750	3760.02	lim (dB)		
80	QPSK	1	1		14.67	14.65	14.74	15.5	0.0
Channel				649000	650000	651000	Tune-up MPR		
Frequency (MHz)				3735	3750	3765	lim (dB)		
70	QPSK	1	1		14.66	14.74	14.69	15.5	0.0
Channel				648668	650000	651334	Tune-up MPR		
Frequency (MHz)				3730.02	3750	3770.01	lim (dB)		
60	QPSK	1	1		14.70	14.67	14.69	15.5	0.0
Channel				648334	650000	651668	Tune-up MPR		
Frequency (MHz)				3725.01	3750	3763.97	lim (dB)		
50	QPSK	1	1		14.67	14.67	14.69	15.5	0.0
Channel				648000	650000	652000	Tune-up MPR		
Frequency (MHz)				3720	3750	3760	lim (dB)		
40	QPSK	1	1		14.74	14.65	14.65	15.5	0.0
Channel				647668	650000	652334	Tune-up MPR		
Frequency (MHz)				3715.02	3750	3765.01	lim (dB)		
30	QPSK	1	1		14.68	14.70	14.68	15.5	0.0
Channel				647500	650000	652500	Tune-up MPR		
Frequency (MHz)				3712.5	3750	3763.5	lim (dB)		
25	QPSK	1	1		14.66	14.70	14.66	15.5	0.0
Channel				647334	650000	652668	Tune-up MPR		
Frequency (MHz)				3710.01	3750	3760.02	lim (dB)		
20	QPSK	1	1		14.73	14.67	14.70	15.5	0.0
Channel				647168	650000	652834	Tune-up MPR		
Frequency (MHz)				3707.52	3750	3762.51	lim (dB)		
15	QPSK	1	1		14.72	14.67	14.68	15.5	0.0
Channel				647000	650000	653000	Tune-up MPR		
Frequency (MHz)				3705	3750	3765	lim (dB)		
10	QPSK	1	1		14.73	14.73	14.68	15.5	0.0

Part27O n78 Ant7 DSI 4 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1		17.23			18.5	0.0
100	1/2 BPSK	1	137		17.33				
100	1/2 BPSK	1	271		17.29				
100	1/2 BPSK	135	0		17.38			18.5	0.0
100	1/2 BPSK	135	69		17.24			18.5	0.0
100	1/2 BPSK	135	138		17.30				
100	1/2 BPSK	270	0		17.30			18.5	0.0
100	QPSK	1	1		17.36				
100	QPSK	1	137		17.25			18.5	0.0
100	QPSK	1	271		17.30				
100	QPSK	135	0		17.35			18.5	0.0
100	QPSK	135	69		17.37			18.5	0.0
100	QPSK	135	138		17.35			18.5	0.0
100	QPSK	270	0		17.33				
100	16QAM	1	1		17.30			18.5	0.0
100	64QAM	1	1		17.23			18.5	0.0
100	256QAM	1	1		17.35			18.5	0.0
Channel				649668	650000	650334	Tune-up MPR		
Frequency (MHz)				3745.02	3750	3755.01	lim (dB)		
90	QPSK	1	1		17.29	17.37	17.32	18.5	0.0
Channel				649334	650000	650668	Tune-up MPR		
Frequency (MHz)				3740.01	3750	3760.02	lim (dB)		
80	QPSK	1	1		17.25	17.29	17.34	18.5	0.0
Channel				649000	650000	651000	Tune-up MPR		
Frequency (MHz)				3735	3750	3765	lim (dB)		
70	QPSK	1	1		17.26	17.28	17.28	18.5	0.0
Channel				648666	650000	651334	Tune-up MPR		
Frequency (MHz)				3729.02	3750	3770.01	lim (dB)		
60	QPSK	1	1		17.23	17.23	17.28	18.5	0.0
Channel				648332	650000	651668	Tune-up MPR		
Frequency (MHz)				3722.01	3750	3778.02	lim (dB)		
50	QPSK	1	1		17.20	17.21	17.23	18.5	0.0
Channel				647998	650000	652002	Tune-up MPR		
Frequency (MHz)				3715.00	3750	3785.02	lim (dB)		
40	QPSK	1	1		17.18	17.18	17.20	18.5	0.0
Channel				647664	650000	652334	Tune-up MPR		
Frequency (MHz)				3710.00	3750	3788.02	lim (dB)		
30	QPSK	1	1		17.17	17.17	17.18	18.5	0.0
Channel				647330	650000	652668	Tune-up MPR		
Frequency (MHz)				3712.00	3750	3787.02	lim (dB)		
25	QPSK	1	1		17.22	17.22	17.28	18.5	0.0
Channel				647000	650000	652998	Tune-up MPR		
Frequency (MHz)				3710.01	3750	3790.02	lim (dB)		
20	QPSK	1	1		17.23	17.23	17.28	18.5	0.0
Channel				646668	650000	653334	Tune-up MPR		
Frequency (MHz)				3712.02	3750	3792.02	lim (dB)		
15	QPSK	1	1		17.17	17.17	17.20	18.5	0.0
Channel				646334	650000	653668	Tune-up MPR		
Frequency (MHz)				3710.00	3750	3790.02	lim (dB)		
10	QPSK	1	1		17.23	17.38	17.35	18.5	0.0

Part27Q n78 Ant7 DSI 4

BW [MHz]	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	1/2 BPSK	1	1		14.63			
100	1/2 BPSK	1	137		14.76			
100	1/2 BPSK	1	271		14.72		15.5	0.0
100	1/2 BPSK	135	0		14.72		15.5	0.0
100	1/2 BPSK	135	69		14.72		15.5	0.0
100	1/2 BPSK	135	138		14.71		15.5	0.0
100	1/2 BPSK	270	0		14.65		15.5	0.0
100	QPSK	1	1		14.77			
100	QPSK	1	137		14.72		15.5	0.0
100	QPSK	1	271		14.67		15.5	0.0
100	QPSK	135	0		14.71		15.5	0.0
100	QPSK	135	69		14.76		15.5	0.0
100	QPSK	135	138		14.70		15.5	0.0
100	QPSK	270	0		14.65		15.5	0.0
100	16QAM	1	1		14.71		15.5	0.0
100	16QAM	1	1		14.64		15.5	0.0
100	256QAM	1	1		14.74		15.5	0.0
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)	
90	QPSK	1	1	14.75	14.75	14.59	15.5	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	14.75	14.71	14.72	15.5	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	
70	QPSK	1	1	14.69	14.71	14.73	15.5	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1	14.70	14.74	14.67	15.5	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)	
50	QPSK	1	1	14.70	14.65	14.68	15.5	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	
40	QPSK	1	1	14.67	14.71	14.71	15.5	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	
30	QPSK	1	1	14.75	14.69	14.75	15.5	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	
25	QPSK	1	1	14.72	14.76	14.75	15.5	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3460.03	3500.01	3540	limit (dB)	
20	QPSK	1	1	14.72	14.74	14.67	15.5	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	
15	QPSK	1	1	14.67	14.67	14.75	15.5	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	
10	QPSK	1	1	14.72	14.67	14.72	15.5	0.0

Part27Q n78 Ant7 DSI 4 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		17.32			
100	1/2 BPSK	1	137		17.46		18.5	0.0
100	1/2 BPSK	1	271		17.40		18.5	0.0
100	1/2 BPSK	135	0		17.46		18.5	0.0
100	1/2 BPSK	135	69		17.40		18.5	0.0
100	1/2 BPSK	135	138		17.48		18.5	0.0
100	1/2 BPSK	270	0		17.35		18.5	0.0
100	QPSK	1	1		17.46			
100	QPSK	1	137		17.38		18.5	0.0
100	QPSK	1	271		17.42		18.5	0.0
100	QPSK	135	0		17.41		18.5	0.0
100	QPSK	135	69		17.47		18.5	0.0
100	QPSK	135	138		17.39		18.5	0.0
100	QPSK	270	0		17.38		18.5	0.0
100	16QAM	1	1		17.38		18.5	0.0
100	16QAM	1	1		17.36		18.5	0.0
100	256QAM	1	1		17.45		18.5	0.0
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)	
90	QPSK	1	1	17.29	17.43	17.39	18.5	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	17.28	17.42	17.40	18.5	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	
70	QPSK	1	1	17.29	17.43	17.39	18.5	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1	17.45	17.45	17.45	18.5	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)	
50	QPSK	1	1	17.44	17.48	17.42	18.5	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	
40	QPSK	1	1	17.41	17.42	17.43	18.5	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	
30	QPSK	1	1	17.40	17.46	17.45	18.5	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	
25	QPSK	1	1	17.38	17.47	17.47	18.5	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)	
20	QPSK	1	1	17.39	17.44	17.39	18.5	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	
15	QPSK	1	1	17.44	17.39	17.44	18.5	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	
10	QPSK	1	1	17.46	17.46	17.42	18.5	0.0



Part96 n48 Ant8 DSI 4											
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
40	1/2 BPSK	1	1	3570	3624.99	3679.98					
40	1/2 BPSK	1	1	16.61	16.48	16.60					
40	1/2 BPSK	1	53	16.64	16.64	16.55					
40	1/2 BPSK	1	104	16.59	16.59	16.64		0.0			
40	1/2 BPSK	50	0	16.63	16.63	16.62	18.0		0.0		
40	1/2 BPSK	50	26	16.57	16.62	16.66	18.0		0.0		
40	1/2 BPSK	50	56	16.60	16.66	16.58	18.0		0.0		
40	1/2 BPSK	100	0	16.64	16.64	16.61	18.0		0.0		
40	QPSK	1	1	16.65	16.68	16.59					
40	QPSK	1	53	16.48	16.59	16.55					
40	QPSK	1	104	16.50	16.55	16.63					
40	QPSK	50	0	16.63	16.57	16.58	18.0	0.0			
40	QPSK	50	26	16.61	16.65	16.61	18.0	0.0			
40	QPSK	50	56	16.61	16.69	16.59	18.0	0.0			
40	QPSK	100	0	16.58	16.61	16.56	18.0	0.0			
40	16QAM	1	1	16.62	16.58	16.58	18.0	0.0			
40	16QAM	1	1	16.58	16.55	16.65	18.0	0.0			
40	256QAM	1	1	16.09	16.14	16.07	17.5	0.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	637668	641666	645666	Tune-up limit (dB)	MPR (dB)			
30	QPSK	1	1	3559.02	3624.99	3689.98					
Channel											
Frequency (MHz)											
20	QPSK	1	1	637334	641666	646000	Tune-up limit (dB)	MPR (dB)			
20	QPSK	1	1	3559.01	3624.99	3690					
Channel											
Frequency (MHz)											
15	QPSK	1	1	637168	641666	646166	Tune-up limit (dB)	MPR (dB)			
15	QPSK	1	1	3559.52	3624.99	3692.40					
Channel											
Frequency (MHz)											
10	QPSK	1	1	637000	641666	646332	Tune-up limit (dB)	MPR (dB)			
10	QPSK	1	1	3559	3624.99	3694.96					
10	QPSK	1	1	16.55	16.65	16.59	18.0	0.0			

Part270 n77 Ant8 Other PAASI 4													
BW [MHz]	Module	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	1/2 BPSK	1		3750	3840	3930							
100	1/2 BPSK	1		16.44	16.33	16.40							
100	1/2 BPSK	1	137	16.40	16.44	16.33	18.0	0.0					
100	1/2 BPSK	1	271	16.36	16.35	16.40							
100	1/2 BPSK	135	0	16.48	16.39	16.33	18.0	0.0					
100	1/2 BPSK	135	69	16.36	16.37	16.44							
100	1/2 BPSK	135	138	16.42	16.39	16.37							
100	1/2 BPSK	270	0	16.44	16.41	16.37	18.0	0.0					
100	QPSK	1	1	16.41	16.49	16.47							
100	QPSK	1	137	16.30	16.37	16.37	18.0	0.0					
100	QPSK	1	271	16.37	16.40	16.39							
100	QPSK	135	0	16.40	16.37	16.40	18.0	0.0					
100	QPSK	135	69	16.41	16.45	16.39	18.0	0.0					
100	QPSK	135	138	16.35	16.40	16.44							
100	QPSK	270	0	16.42	16.43	16.33	18.0	0.0					
100	16QAM	1	1	16.34	16.40	16.46	18.0	0.0					
100	16QAM	1	1	16.41	16.40	16.42	18.0	0.0					
100	256QAM	1	1	16.31	16.42	16.35	18.0	0.0					
Channel													
Frequency (MHz)													
90	QPSK	1	1	646668	650000	662334	Tune-up limit (dB)	MPR (dB)					
90	QPSK	1	1	3743.02	3840	3930.01							
Channel													
Frequency (MHz)													
80	QPSK	1	1	646334	650000	662668	Tune-up limit (dB)	MPR (dB)					
80	QPSK	1	1	3740.01	3840	3940.02							
Channel													
Frequency (MHz)													
70	QPSK	1	1	646000	650000	663000	Tune-up limit (dB)	MPR (dB)					
70	QPSK	1	1	3735	3840	3945							
Channel													
Frequency (MHz)													
60	QPSK	1	1	646668	650000	663334	Tune-up limit (dB)	MPR (dB)					
60	QPSK	1	1	3740.02	3840	3950.01							
Channel													
Frequency (MHz)													
50	QPSK	1	1	646334	650000	663668	Tune-up limit (dB)	MPR (dB)					
50	QPSK	1	1	3740.01	3840	3950.02							
Channel													
Frequency (MHz)													
40	QPSK	1	1	646000	650000	664000	Tune-up limit (dB)	MPR (dB)					
40	QPSK	1	1	3735	3840	3950							
Channel													
Frequency (MHz)													
30	QPSK	1	1	647668	650000	664334	Tune-up limit (dB)	MPR (dB)					
30	QPSK	1	1	3745.02	3840	3965.01							
Channel													
Frequency (MHz)													
25	QPSK	1	1	647500	650000	664500	Tune-up limit (dB)	MPR (dB)					
25	QPSK	1	1	3740.01	3840	3965.02							
Channel													
Frequency (MHz)													
20	QPSK	1	1	647334	650000	664668	Tune-up limit (dB)	MPR (dB)					
20	QPSK	1	1	3740.01	3840	3970.02							
Channel													
Frequency (MHz)													
15	QPSK	1	1	647168	650000	664834	Tune-up limit (dB)	MPR (dB)					
15	QPSK	1	1	3740.02	3840	3970.01							
Channel													
Frequency (MHz)													
10	QPSK	1	1	647000	650000	665000	Tune-up limit (dB)	MPR (dB)					
10	QPSK	1	1	3740	3840	3975							
Channel													
Frequency (MHz)													
10	QPSK	1	1	16.39	16.41	16.39	18.0	0.0					

Part270 n77 Ant8 Other PA DSI 4 PC2										
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	37500	38400	39300				
100	1/2 BPSK	1	1	16.53	16.62	16.68				
100	1/2 BPSK	1	137	16.51	16.54	16.64	21.0	0.0	0.0	0.0
100	1/2 BPSK	1	271	16.50	16.67	16.62				
100	1/2 BPSK	135	0	16.55	16.59	16.66	21.0	0.0	0.0	0.0
100	1/2 BPSK	135	69	16.54	16.67	16.68				
100	1/2 BPSK	135	138	16.66	16.50	16.62				
100	1/2 BPSK	270	0	16.68	16.67	16.60	21.0	0.0	0.0	0.0
100	QPSK	1	1	16.01	16.06	16.63				
100	QPSK	1	137	16.08	16.63	16.90	21.0	0.0	0.0	0.0
100	QPSK	1	271	16.07	16.64	16.60				
100	QPSK	135	0	16.04	16.61	16.68	21.0	0.0	0.0	0.0
100	QPSK	135	69	16.04	16.63	16.69				
100	QPSK	270	0	16.50	16.59	16.66	21.0	0.0	0.0	0.0
100	15QAM	1	1	16.88	16.95	16.99	21.0	0.0	0.0	0.0
100	15QAM	1	137	16.84	16.94	16.98				
100	25QAM	1	1	16.92	16.86	16.94	21.0	0.0	0.0	0.0
Channel										
Frequency (MHz)										
90	QPSK	1	1	64668	65600	66234	Time-up limit (dB)	MPR		
90	QPSK	1	1	16.94	16.98	16.86	21.0	0.0	0.0	0.0
80	QPSK	1	1	65002	65934	66568	Time-up limit (dB)	MPR		
80	QPSK	1	1	3740.01	3840	3940.02	Time-up limit (dB)	MPR		
80	QPSK	1	1	16.90	16.95	16.88	21.0	0.0	0.0	0.0
70	QPSK	1	1	65336	66268	66902	Time-up limit (dB)	MPR		
70	QPSK	1	1	3735	3840	3945	Time-up limit (dB)	MPR		
70	QPSK	1	1	16.96	17.03	16.87	21.0	0.0	0.0	0.0
60	QPSK	1	1	65670	66602	67236	Time-up limit (dB)	MPR		
60	QPSK	1	1	3730.02	3840	3950.01	Time-up limit (dB)	MPR		
60	QPSK	1	1	16.95	17.03	16.87	21.0	0.0	0.0	0.0
50	QPSK	1	1	66004	66936	67570	Time-up limit (dB)	MPR		
50	QPSK	1	1	3725.01	3840	3955.02	Time-up limit (dB)	MPR		
50	QPSK	1	1	16.94	17.03	16.86	21.0	0.0	0.0	0.0
40	QPSK	1	1	66338	67270	67904	Time-up limit (dB)	MPR		
40	QPSK	1	1	3720	3840	3960	Time-up limit (dB)	MPR		
30	QPSK	1	1	66672	67604	68238	Time-up limit (dB)	MPR		
30	QPSK	1	1	3715.02	3840	3965.01	Time-up limit (dB)	MPR		
30	QPSK	1	1	16.93	17.02	16.85	21.0	0.0	0.0	0.0
25	QPSK	1	1	67006	67938	68572	Time-up limit (dB)	MPR		
25	QPSK	1	1	67374	68306	68940	Time-up limit (dB)	MPR		
25	QPSK	1	1	3710.01	3840	3970.02	Time-up limit (dB)	MPR		
20	QPSK	1	1	67340	68272	68906	Time-up limit (dB)	MPR		
20	QPSK	1	1	67168	68099	68734	Time-up limit (dB)	MPR		
20	QPSK	1	1	3705.01	3840	3975.02	Time-up limit (dB)	MPR		
15	QPSK	1	1	67504	68436	69070	Time-up limit (dB)	MPR		
15	QPSK	1	1	16.91	16.98	16.88	21.0	0.0	0.0	0.0
10	QPSK	1	1	67700	68630	69264	Time-up limit (dB)	MPR		
10	QPSK	1	1	16.98	16.92	16.84	21.0	0.0	0.0	0.0

Part27Q n77 Ant8 Other PA DSI 4 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		19.28		21.0	0.0
100	1/2 BPSK	1	137		19.48			
100	1/2 BPSK	1	271		19.35			
100	1/2 BPSK	135	0		19.43		21.0	0.0
100	1/2 BPSK	135	69		19.37		21.0	0.0
100	1/2 BPSK	135	138		19.47		21.0	0.0
100	1/2 BPSK	270	0		19.40			
100	QPSK	1	1		19.55			
100	QPSK	1	137		19.41		21.0	0.0
100	QPSK	1	271		19.41			
100	QPSK	135	0		19.45		21.0	0.0
100	QPSK	135	69		19.53		21.0	0.0
100	QPSK	135	138		19.41		21.0	0.0
100	QPSK	270	0		19.45			
100	16QAM	1	1		19.39		21.0	0.0
100	64QAM	1	1		19.41		21.0	0.0
100	256QAM	1	1		19.45		21.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1		19.44	19.51	19.50	21.0 0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3483.02	3500.01	3510	limit	(dB)
80	QPSK	1	1		19.47	19.44	19.52	21.0 0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3482.01	3500.01	3519.01	limit	(dB)
70	QPSK	1	1		19.52	19.47	19.47	21.0 0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1		19.47	19.52	19.54	21.0 0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1		19.48	19.53	19.52	21.0 0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1		19.50	19.53	19.51	21.0 0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3466	3500.01	3535.02	limit	(dB)
30	QPSK	1	1		19.52	19.52	19.44	21.0 0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1		19.48	19.48	19.53	21.0 0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3460	limit	(dB)
20	QPSK	1	1		19.51	19.50	19.47	21.0 0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3459.51	3500.01	3542.52	limit	(dB)
15	QPSK	1	1		19.52	19.49	19.50	21.0 0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1		19.53	19.46	19.46	21.0 0.0

Part27O n78 Ant8 Other PA DSI 4

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		18.22		18.0	0.0
100	1/2 BPSK	1	137		18.33			
100	1/2 BPSK	1	271		18.33			
100	1/2 BPSK	135	0		18.39		18.0	0.0
100	1/2 BPSK	135	69		18.25		18.0	0.0
100	1/2 BPSK	135	138		18.33		18.0	0.0
100	1/2 BPSK	270	0		18.24			
100	QPSK	1	1		18.42			
100	QPSK	1	137		18.24		18.0	0.0
100	QPSK	1	271		18.31			
100	QPSK	135	0		18.33		18.0	0.0
100	QPSK	135	69		18.38		18.0	0.0
100	QPSK	135	138		18.35		18.0	0.0
100	QPSK	270	0		18.30			
100	16QAM	1	1		18.35		18.0	0.0
100	64QAM	1	1		18.24		18.0	0.0
100	256QAM	1	1		18.37		18.0	0.0
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		18.40	18.35	18.32	18.0 0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1		18.33	18.35	18.35	18.0 0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1		18.35	18.38	18.38	18.0 0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1		18.33	18.38	18.33	18.0 0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1		18.37	18.39	18.34	18.0 0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1		18.39	18.40	18.39	18.0 0.0
Channel				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1		18.40	18.32	18.38	18.0 0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3792.5	limit	(dB)
25	QPSK	1	1		18.38	18.38	18.35	18.0 0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1		18.41	18.31	18.40	18.0 0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1		18.39	18.41	18.37	18.0 0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1		18.39	18.35	18.38	18.0 0.0

Part27O n78 Ant8 Other PA DSI 4 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	1/2 BPSK	1	1		19.25		21.0	0.0
100	1/2 BPSK	1	137		19.35			
100	1/2 BPSK	1	271		19.33			
100	1/2 BPSK	135	0		19.37		21.0	0.0
100	1/2 BPSK	135	69		19.26		21.0	0.0
100	1/2 BPSK	135	138		19.34		21.0	0.0
100	1/2 BPSK	270	0		19.29			
100	QPSK	1	1		19.41			
100	QPSK	1	137		19.33		21.0	0.0
100	QPSK	1	271		19.27			
100	QPSK	135	0		19.35		21.0	0.0
100	QPSK	135	69		19.35		21.0	0.0
100	QPSK	135	138		19.32		21.0	0.0
100	QPSK	270	0		19.34			
100	16QAM	1	1		19.30		21.0	0.0
100	64QAM	1	1		19.26		21.0	0.0
100	256QAM	1	1		19.18		21.0	0.0
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3743.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		19.38	19.32	19.38	21.0 0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1		19.39	19.40	19.39	21.0 0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1		19.35	19.32	19.33	21.0 0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1		19.37	19.38	19.39	21.0 0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1		19.34	19.33	19.31	21.0 0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1		19.35	19.31	19.39	21.0 0.0
Channel				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1		19.30	19.35	19.38	21.0 0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.51	3750	3792.51	limit	(dB)
25	QPSK	1	1		19.37	19.32	19.34	21.0 0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3795.02	limit	(dB)
20	QPSK	1	1		19.34	19.32	19.31	21.0 0.0
Channel				647188	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3797.51	limit	(dB)
15	QPSK	1	1		19.33	19.32	19.31	21.0 0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1		19.36	19.31	19.35	21.0 0.0

Part27Q n78 Ant8 Other PA DSI 4								
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		16.23			
100	1/2 BPSK	1	137		16.31			
100	1/2 BPSK	1	271		16.33		18.0	0.0
100	1/2 BPSK	135	0		16.35		18.0	0.0
100	1/2 BPSK	135	69		16.32		18.0	0.0
100	1/2 BPSK	135	138		16.35		18.0	0.0
100	1/2 BPSK	270	0		16.25		18.0	0.0
100	QPSK	1	1		16.39			
100	QPSK	1	137		16.25		18.0	0.0
100	QPSK	1	271		16.29		18.0	0.0
100	QPSK	135	0		16.25		18.0	0.0
100	QPSK	135	69		16.36		18.0	0.0
100	QPSK	135	138		16.26		18.0	0.0
100	QPSK	270	0		16.34		18.0	0.0
100	16QAM	1	1		16.30		18.0	0.0
100	16QAM	1	1		16.30		18.0	0.0
100	256QAM	1	1		16.35		18.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	16.37	16.37	16.33	18.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	16.32	16.33	16.28	18.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	16.30	16.30	16.31	18.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	16.30	16.33	16.34	18.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	16.30	16.34	16.30	18.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	16.33	16.33	16.29	18.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	16.35	16.36	16.37	18.0	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	16.31	16.34	16.36	18.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.03	3500.01	3540	limit	(dB)
20	QPSK	1	1	16.34	16.32	16.38	18.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	16.36	16.36	16.36	18.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	16.28	16.29	16.31	18.0	0.0

Part27Q n78 Ant8 Other PA DSI 4 PC2								
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		20.20			
100	1/2 BPSK	1	137		20.33			
100	1/2 BPSK	1	271		20.31		21.0	0.0
100	1/2 BPSK	135	0		20.38		21.0	0.0
100	1/2 BPSK	135	69		20.25		21.0	0.0
100	1/2 BPSK	135	138		20.33		21.0	0.0
100	1/2 BPSK	270	0		20.29		21.0	0.0
100	QPSK	1	1		20.36			
100	QPSK	1	137		20.24		21.0	0.0
100	QPSK	1	271		20.26		21.0	0.0
100	QPSK	135	0		20.36		21.0	0.0
100	QPSK	135	69		20.37		21.0	0.0
100	QPSK	135	138		20.29		21.0	0.0
100	QPSK	270	0		20.35		21.0	0.0
100	16QAM	1	1		20.31		21.0	0.0
100	16QAM	1	1		20.29		21.0	0.0
100	256QAM	1	1		20.28		21.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	20.35	20.28	20.28	21.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	20.29	20.28	20.34	21.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	20.32	20.33	20.33	21.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	20.33	20.33	20.35	21.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	20.34	20.29	20.31	21.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	20.37	20.34	20.32	21.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	20.31	20.33	20.37	21.0	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	20.29	20.35	20.33	21.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	20.33	20.32	20.28	21.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	20.35	20.35	20.37	21.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	20.34	20.34	20.35	21.0	0.0

n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	25.07	25.15	25.14		
20	1/2 BPSK	1	53	25.19	25.22	25.16	25.7	0.0
20	1/2 BPSK	1	104	25.20	25.31	25.27		
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5
20	1/2 BPSK	50	28	25.20	25.27	25.19	25.7	0.0
20	1/2 BPSK	50	56	24.61	24.66	24.61	25.2	0.5
20	1/2 BPSK	100	0	24.72	24.81	24.76		
20	QPSK	1	1	25.40	25.42	25.38		
20	QPSK	1	53	25.26	25.36	25.37	25.7	0.0
20	QPSK	1	104	25.36	25.39	25.32		
20	QPSK	50	0	24.20	24.22	24.19	24.7	1.0
20	QPSK	50	28	25.17	25.27	25.26	25.7	0.0
20	QPSK	50	56	24.12	24.18	24.11	24.7	1.0
20	QPSK	100	0	24.31	24.33	24.23		
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0
20	16QAM	1	1	22.65	22.67	22.64	23.2	2.5
20	256QAM	1	1	20.30	20.40	20.33	21.2	4.5
Channel				166300	167300	168300	Tune-up	MPR
Frequency (MHz)				331.5	332.5	331.5	limit (dB)	
15	QPSK	1	1	25.39	25.26	25.22	25.7	1.0
Channel				165800	167300	166800	Tune-up	MPR
Frequency (MHz)				29	332.5	344	limit (dB)	
10	QPSK	1	1	25.40	25.23	25.30	25.7	0.0
Channel				165300	167300	169300	Tune-up	MPR
Frequency (MHz)				126.5	332.5	246.5	limit (dB)	
5	QPSK	1	1	25.33	25.33	25.23	25.7	0.0

Reduced Power Mode for SA DSI 5

n7 Ant0 Other PA Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	25.17	25.23	25.13		
40	1/2 BPSK	1	108	24.98	25.08	24.99	25.7	0.0
40	1/2 BPSK	1	214	25.14	25.22	25.12		
40	1/2 BPSK	108	0	24.57	24.58	24.53	25.2	0.5
40	1/2 BPSK	108	54	25.08	25.17	25.12	25.7	0.0
40	1/2 BPSK	108	108	24.53	24.57	24.52	25.2	0.5
40	1/2 BPSK	216	0	24.61	24.65	24.55		
40	QPSK	1	1	25.21	25.27	25.20		
40	QPSK	1	108	24.97	25.04	24.96	25.7	0.0
40	QPSK	1	214	25.07	25.17	25.07		
40	QPSK	108	0	24.10	24.16	24.09	24.7	1.0
40	QPSK	108	54	25.10	25.14	25.11	25.7	0.0
40	QPSK	108	108	24.02	24.12	24.03	24.7	1.0
40	QPSK	216	0	24.13	24.21	24.20		
40	16QAM	1	1	24.23	24.26	24.21	24.7	1.0
40	16QAM	1	1	22.56	22.65	22.59	23.2	2.5
40	256QAM	1	1	20.61	20.63	20.56	21.2	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2532	2552.5	limit (dB)	
35	QPSK	1	1	25.11	25.25	25.19	25.7	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2512	2532	2555	limit (dB)	
30	QPSK	1	1	25.13	25.16	25.10	25.7	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2532	2557.5	limit (dB)	
25	QPSK	1	1	25.12	25.21	25.13	25.7	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2533	2560	limit (dB)	
20	QPSK	1	1	25.12	25.23	25.11	25.7	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2533	2562.5	limit (dB)	
15	QPSK	1	1	25.16	25.22	25.14	25.7	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2533	2565	limit (dB)	
10	QPSK	1	1	25.18	25.25	25.11	25.7	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2533	2567.5	limit (dB)	
5	QPSK	1	1	25.20	25.19	25.19	25.7	0.0

n12 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	25.10	25.15	25.08		
15	1/2 BPSK	1	40	24.99	25.07	24.99	25.7	0.0
15	1/2 BPSK	1	77	25.04	25.12	25.02		
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5
15	1/2 BPSK	36	22	25.08	25.11	25.06	25.7	0.0
15	1/2 BPSK	36	43	24.39	24.45	24.43	25.2	0.5
15	1/2 BPSK	75	0	24.46	24.54	24.53		
15	QPSK	1	1	25.14	25.17	25.16		
15	QPSK	1	40	24.95	25.02	24.92	25.7	0.0
15	QPSK	1	77	25.09	25.15	25.09		
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0
15	QPSK	36	43	24.01	24.02	24.00	24.7	1.0
15	QPSK	75	0	23.97	23.98	23.91		
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0
15	16QAM	1	1	22.42	22.49	22.41	23.2	2.5
15	256QAM	1	1	20.50	20.52	20.49	21.2	4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit (dB)	
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit (dB)	
5	QPSK	1	1	25.09	25.14	25.14	25.7	0.0

n26 Ant0 Default								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	25.16	25.26	25.19		
20	1/2 BPSK	1	53	25.28	25.23	25.23	25.7	0.0
20	1/2 BPSK	1	104	25.26	25.42	25.34		
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5
20	1/2 BPSK	50	23	25.25	25.36	25.27	25.7	0.0
20	1/2 BPSK	50	56	24.72	24.68	24.64	25.2	0.5
20	1/2 BPSK	100	0	24.79	24.86	24.84		
20	QPSK	1	1	25.36	25.44	25.43		
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0
20	QPSK	1	104	25.36	25.37	25.37		
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0
20	QPSK	50	23	25.18	25.37	25.32	25.7	0.0
20	QPSK	50	56	24.17	24.28	24.18	24.7	1.0
20	QPSK	100	0	24.35	24.38	24.34		
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0
20	16QAM	1	1	22.72	22.73	22.66	23.2	2.5
20	16QAM	1	1	20.41	20.42	20.35	21.2	4.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				241.5	241.5	241.5	limit (dB)	
15	QPSK	1	1	25.31	25.43	25.37	25.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				110	231.5	344	limit (dB)	
10	QPSK	1	1	25.34	25.38	25.33	25.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				241.5	231.5	345.5	limit (dB)	
5	QPSK	1	1	25.30	25.36	25.32	25.7	0.0

n66 Ant0 Default								
BW [MHz]	Modulat on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	22.56	22.59	22.56		
40	1/2 BPSK	1	108	22.52	22.57	22.47	24.2	0.0
40	1/2 BPSK	1	214	22.58	22.61	22.52		
40	1/2 BPSK	108	0	21.99	22.01	21.95	23.7	0.5
40	1/2 BPSK	108	54	22.53	22.57	22.56	24.2	0.0
40	1/2 BPSK	108	108	22.00	22.05	22.01	23.7	0.5
40	1/2 BPSK	216	0	22.08	22.11	22.06		
40	QPSK	1	1	22.59	22.67	22.63		
40	QPSK	1	108	22.44	22.53	22.50	24.2	0.0
40	QPSK	1	214	22.41	22.51	22.46		
40	QPSK	108	0	21.43	21.54	21.45	23.2	1.0
40	QPSK	108	54	22.52	22.55	22.48	24.2	0.0
40	QPSK	108	108	21.43	21.52	21.48	23.2	1.0
40	QPSK	216	0	21.60	21.64	21.58		
40	16QAM	1	1	21.54	21.57	21.53	23.2	1.0
40	64QAM	1	1	19.95	20.02	19.99	21.7	2.5
40	256QAM	1	1	17.90	18.01	17.92	19.7	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1822.5	limit (dB)	
35	QPSK	1	1	22.57	22.57	22.59	24.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1825	limit (dB)	
30	QPSK	1	1	22.51	22.58	22.62	24.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1827.5	limit (dB)	
25	QPSK	1	1	22.51	22.58	22.59	24.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	
20	QPSK	1	1	22.53	22.60	22.53	24.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	
15	QPSK	1	1	22.48	22.61	22.57	24.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	
10	QPSK	1	1	22.52	22.66	22.59	24.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	
5	QPSK	1	1	22.57	22.62	22.53	24.2	0.0

n38 Ant0 Other PA Default								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	25.31	25.35	25.34		
40	1/2 BPSK	1	53	25.28	25.31	25.23	25.7	0.0
40	1/2 BPSK	1	104	25.20	25.28	25.25		
40	1/2 BPSK	50	0	24.93	24.97	24.94	25.2	0.5
40	1/2 BPSK	50	26	25.21	25.31	25.24	25.7	0.0
40	1/2 BPSK	50	56	24.69	24.78	24.72	25.2	0.5
40	1/2 BPSK	100	0	25.04	25.05	24.99		
40	QPSK	1	1	24.97	25.05	24.97		
40	QPSK	1	53	24.68	24.74	24.73	25.7	0.0
40	QPSK	1	104	25.01	25.11	25.10		
40	QPSK	50	0	24.01	24.11	24.06	24.7	1.0
40	QPSK	50	26	24.73	24.81	24.78	25.7	0.0
40	QPSK	50	56	24.09	24.14	24.04	24.7	1.0
40	QPSK	100	0	24.15	24.25	24.15		
40	16QAM	1	1	24.33	24.38	24.33	24.7	1.0
40	64QAM	1	1	23.05	23.07	22.97	23.2	2.5
40	256QAM	1	1	20.94	21.03	21.00	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.01	2595	2604.99		
30	1/2 BPSK	1	1	25.20	25.33	25.23	25.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.52	2595	2607.48		
25	1/2 BPSK	1	1	25.24	25.26	25.24	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	1/2 BPSK	1	1	25.25	25.25	25.33	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	1/2 BPSK	1	1	25.23	25.33	25.30	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02 <td>2595</td> <td>2614.96</td> <th></th> <th></th>	2595	2614.96		
10	1/2 BPSK	1	1	25.29	25.26	25.25	25.7	0.0

n41 Ant0 Other PA Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518596	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	25.27	25.31	25.25		
100	1/2 BPSK	1	137	25.06	25.08	24.97	25.7	0.0
100	1/2 BPSK	1	271	25.10	25.15	25.05		
100	1/2 BPSK	135	0	24.87	24.88	24.95	25.2	0.5
100	1/2 BPSK	135	69	25.05	25.07	25.06	25.7	0.0
100	1/2 BPSK	135	138	24.92	24.94	24.87	25.2	0.5
100	1/2 BPSK	270	0	24.87	24.95	24.86		
100	QPSK	1	1	25.00	25.07	25.00		
100	QPSK	1	137	24.96	25.01	24.91	25.4	0.0
100	QPSK	1	271	25.01	25.05	24.97		
100	QPSK	135	0	24.45	24.51	24.46	24.7	1.0
100	QPSK	135	69	24.95	25.04	24.93	25.7	0.0
100	QPSK	135	138	24.52	24.59	24.51	24.7	1.0
100	QPSK	270	0	24.35	24.46	24.38		
100	16QAM	1	1	24.50	24.58	24.49	24.7	1.0
100	64QAM	1	1	22.99	23.01	22.99	23.2	2.5
100	256QAM	1	1	20.92	21.00	20.98	21.2	4.5
Channel				508200	518596	528996	Tune-up MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit (dB)	
80	1/2 BPSK	1	1	25.19	25.23	25.17	25.7	0.0
Channel				507204	518596	529996	Tune-up MPR	
Frequency (MHz)				2539.02	2592.99	2649.99	limit (dB)	
80	1/2 BPSK	1	1	25.25	25.25	25.20	25.7	0.0
Channel				506202	518596	531000	Tune-up MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)	
70	1/2 BPSK	1	1	25.21	25.23	25.15	25.7	0.0
Channel				505200	518596	531696	Tune-up MPR	
Frequency (MHz)				2526	25.97	2658.98	limit (dB)	
60	1/2 BPSK	1	1	25.24	25.22	25.22	25.7	0.0
Channel				504204	518596	532998	Tune-up MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (dB)	
50	1/2 BPSK	1	1	25.20	25.23	25.16	25.7	0.0
Channel				503202	518596	534000	Tune-up MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)	
40	1/2 BPSK	1	1	25.18	25.23	25.19	25.7	0.0
Channel				502200	518596	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
30	1/2 BPSK	1	1	25.24	25.24	25.20	25.7	0.0
Channel				502200	518596	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
25	1/2 BPSK	1	1	25.19	25.26	25.19	25.7	0.0
Channel				501204	518596	535998	Tune-up MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)	
20	1/2 BPSK	1	1	25.22	25.21	25.20	25.7	0.0
Channel				500700	518596	536496	Tune-up MPR	
Frequency (MHz)				2500.5	2592.99	2683.48	limit (dB)	
15	1/2 BPSK	1	1	25.18	25.23	25.19	25.7	0.0
Channel				500202	518596	537000	Tune-up MPR	
Frequency (MHz)				2501.01	2592.99	2684	limit (dB)	
10	1/2 BPSK	1	1	25.18	25.25	25.23	25.7	0.0

n5 Ant1 DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167600	20.7	0.0
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	20.09	20.07	20.16		
20	1/2 BPSK	1	53	20.15	20.26	20.04		
20	1/2 BPSK	1	104	20.22	20.17	20.18	20.7	0.0
20	1/2 BPSK	50	0	20.11	20.23	20.10	20.7	0.0
20	1/2 BPSK	50	26	20.15	20.15	20.16	20.7	0.0
20	1/2 BPSK	50	56	20.08	20.21	20.07	20.7	0.0
20	1/2 BPSK	100	0	20.19	20.21	20.07	20.7	0.0
20	QPSK	1	1	20.20	20.33	20.08	20.7	0.0
20	QPSK	1	53	19.96	20.14	20.11		
20	QPSK	1	104	20.08	20.15	20.15		
20	QPSK	50	0	20.21	20.25	20.14		
20	QPSK	50	26	20.21	20.30	20.14	20.7	0.0
20	QPSK	50	56	20.10	20.14	20.15	20.7	0.0
20	QPSK	100	0	20.11	20.26	20.15	20.7	0.0
20	16QAM	1	1	20.06	20.06	20.20	20.7	0.0
20	16QAM	1	1	20.28	20.09	20.21	20.7	0.0
20	256QAM	1	1	20.17	20.26	20.21	20.7	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				834.5	836.5	841.5	limit (dB)	
15	QPSK	1	1	20.10	20.22	19.99	20.7	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				820	836.5	844.5	limit (dB)	
10	QPSK	1	1	20.13	20.26	19.99	20.7	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit (dB)	
5	QPSK	1	1	20.18	20.26	20.03	20.7	0.0

n7 Ant1 Other PA DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	20.7	0.0
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	20.36	20.06	20.29		
40	1/2 BPSK	1	108	20.26	20.25	20.18		
40	1/2 BPSK	1	214	20.19	20.18	20.23	20.7	0.0
40	1/2 BPSK	108	0	20.24	20.23	20.18	20.7	0.0
40	1/2 BPSK	108	54	20.23	20.16	20.22	20.7	0.0
40	1/2 BPSK	108	108	20.19	20.30	20.16	20.7	0.0
40	1/2 BPSK	216	0	20.19	20.28	20.22	20.7	0.0
40	QPSK	1	1	20.31	20.35	20.21	20.7	0.0
40	QPSK	1	108	20.14	20.25	20.16		
40	QPSK	1	214	20.05	20.22	20.21		
40	QPSK	108	0	20.15	20.16	20.12		
40	QPSK	108	54	20.24	20.35	20.33	20.7	0.0
40	QPSK	108	108	20.28	20.28	20.27	20.7	0.0
40	QPSK	216	0	20.23	20.31	20.10	20.7	0.0
40	16QAM	1	1	20.08	20.26	20.28	20.7	0.0
40	16QAM	1	1	20.14	20.24	20.04	20.7	0.0
40	256QAM	1	1	20.06	20.11	20.10	20.7	0.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)	
35	QPSK	1	1	20.29	20.27	20.17	20.7	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit (dB)	
30	QPSK	1	1	20.20	20.32	20.17	20.7	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	
25	QPSK	1	1	20.20	20.31	20.15	20.7	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit (dB)	
20	QPSK	1	1	20.23	20.32	20.16	20.7	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	
15	QPSK	1	1	20.29	20.34	20.17	20.7	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2500	2535	2565	limit (dB)	
10	QPSK	1	1	20.28	20.35	20.10	20.7	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2492.5	2535	2567.5	limit (dB)	
5	QPSK	1	1	20.26	20.36	20.18	20.7	0.0

n12 Ant1 DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700	22.2	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	21.50	21.39	21.50		
15	1/2 BPSK	1	40	21.56	21.55	21.45		
15	1/2 BPSK	1	77	21.50	21.54	21.52	22.2	0.0
15	1/2 BPSK	36	0	21.53	21.54	21.43	22.2	0.0
15	1/2 BPSK	36	22	21.48	21.56	21.56	22.2	0.0
15	1/2 BPSK	36	43	21.47	21.52	21.38	22.2	0.0
15	1/2 BPSK	75	0	21.48	21.42	21.38	22.2	0.0
15	QPSK	1	1	21.58	21.60	21.55	22.2	0.0
15	QPSK	1	40	21.39	21.50	21.50		
15	QPSK	1	77	21.43	21.47	21.59		
15	QPSK	36	0	21.51	21.54	21.35		
15	QPSK	36	22	21.45	21.57	21.53	22.2	0.0
15	QPSK	36	43	21.50	21.49	21.50	22.2	0.0
15	QPSK	75	0	21.47	21.55	21.37	22.2	0.0
15	16QAM	1	1	21.35	21.42	21.57	22.2	0.0
15	16QAM	1	1	21.53	21.46	21.41	22.2	0.0
15	256QAM	1	1	20.36	20.37	20.35	21.2	1.0
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit (dB)	
10	QPSK	1	1	21.53	21.48	21.48	22.2	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit (dB)	
5	QPSK	1	1	21.53	21.51	21.53	22.2	0.0

n26 Ant1 DSI 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	20.18	20.13	20.27	20.7	0.0
20	1/2 BPSK	1	53	20.24	20.32	20.12		
20	1/2 BPSK	1	104	20.29	20.27	20.22		
20	1/2 BPSK	50	0	20.13	20.29	20.21		
20	1/2 BPSK	50	28	20.25	20.17	20.25	20.7	0.0
20	1/2 BPSK	50	58	20.14	20.29	20.11	20.7	0.0
20	1/2 BPSK	100	0	20.26	20.27	20.16		
20	QPSK	1	1	20.30	20.42	20.16	20.7	0.0
20	QPSK	1	53	20.00	20.16	20.22		
20	QPSK	1	104	20.19	20.24	20.18		
20	QPSK	50	0	20.30	20.27	20.18		
20	QPSK	50	28	20.27	20.39	20.23	20.7	0.0
20	QPSK	50	58	20.17	20.22	20.22	20.7	0.0
20	QPSK	100	0	20.20	20.32	20.19	20.7	0.0
20	16QAM	1	1	20.14	20.19	20.25		
20	64QAM	1	1	20.37	20.15	20.31		
20	256QAM	1	1	20.20	20.30	20.29		
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				824.5	831.5	841.5	limit (dB)	(dB)
15	QPSK	1	1	20.27	20.38	20.12	20.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				810	831.5	844	limit (dB)	(dB)
10	QPSK	1	1	20.19	20.35	20.05	20.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	limit (dB)	(dB)
5	QPSK	1	1	20.21	20.53	20.05	20.7	0.0

n66 Ant1 DSI 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power Middle Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	16.14	16.00	16.05	17.5	0.0
40	1/2 BPSK	1	108	16.04	16.13	16.02		
40	1/2 BPSK	1	214	16.20	15.99	16.07		
40	1/2 BPSK	108	0	16.08	16.20	16.08		
40	1/2 BPSK	108	54	16.10	16.07	16.25	17.5	0.0
40	1/2 BPSK	108	108	16.03	16.11	16.05	17.5	0.0
40	1/2 BPSK	216	0	16.11	16.07	15.98		
40	QPSK	1	1	16.23	16.28	16.18	17.5	0.0
40	QPSK	1	108	15.99	16.15	16.06		
40	QPSK	1	214	15.97	16.12	16.22		
40	QPSK	108	0	16.06	16.14	15.99		
40	QPSK	108	54	16.06	16.24	16.20	17.5	0.0
40	QPSK	108	108	16.11	16.11	16.22	17.5	0.0
40	QPSK	216	0	15.99	16.15	15.95	17.5	0.0
40	16QAM	1	1	16.02	16.08	16.01		
40	64QAM	1	1	16.22	16.04	16.05		
40	256QAM	1	1	15.92	15.95	15.89		
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	(dB)
35	QPSK	1	1	16.21	16.17	16.09	17.5	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	(dB)
30	QPSK	1	1	16.15	16.22	16.08	17.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	(dB)
25	QPSK	1	1	16.21	16.15	16.10	17.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	(dB)
20	QPSK	1	1	16.22	16.17	16.16	17.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	(dB)
15	QPSK	1	1	16.16	16.21	16.15	17.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	(dB)
10	QPSK	1	1	16.21	16.20	16.13	17.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	(dB)
5	QPSK	1	1	16.12	16.19	16.09	17.5	0.0



n38 Ant1 Other PA DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				2590.02	2595	2599.98				
40	1/2 BPSK	1	1	19.85	19.93	19.79	20.2	0.0		
40	1/2 BPSK	1	53	19.82	19.80	19.72				
40	1/2 BPSK	1	104	19.85	19.74	19.72				
40	1/2 BPSK	50	0	19.84	19.82	19.85	20.2	0.0		
40	1/2 BPSK	50	28	19.78	19.91	19.80	20.2	0.0		
40	1/2 BPSK	50	56	19.76	19.85	19.82	20.2	0.0		
40	1/2 BPSK	100	0	19.82	19.85	19.77	20.2	0.0		
40	QPSK	1	1	19.87	19.92	19.81	20.2	0.0		
40	QPSK	1	53	19.66	19.76	19.74				
40	QPSK	1	104	19.81	19.78	19.80				
40	QPSK	50	0	19.83	19.79	19.75	20.2	0.0		
40	QPSK	50	28	19.79	19.91	19.81	20.2	0.0		
40	QPSK	50	56	19.67	19.75	19.78	20.2	0.0		
40	QPSK	100	0	19.75	19.85	19.83	20.2	0.0		
40	16QAM	1	1	19.78	19.76	19.82	20.2	0.0		
40	16QAM	1	1	19.81	19.79	19.80	20.2	0.0		
40	256QAM	1	1	19.80	19.84	19.79	20.2	0.0		
Channel				517002	519000	520998	limit (dB)	MPR		
30	1/2 BPSK	1	1	19.76	19.82	19.70	20.2	0.0		
Channel				516804	519000	521498	limit (dB)	MPR		
25	1/2 BPSK	1	1	19.81	19.87	19.74	20.2	0.0		
Channel				516000	519000	522000	limit (dB)	MPR		
20	1/2 BPSK	1	1	2590	2595	2610	20.2	0.0		
Channel				515602	519000	522498	limit (dB)	MPR		
15	1/2 BPSK	1	1	2577.51	2595	2612.49	20.2	0.0		
Channel				515004	519000	522998	limit (dB)	MPR		
10	1/2 BPSK	1	1	19.75	19.89	19.70	20.2	0.0		

n41 Ant1 Other PA DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				506002	518598	526000				
Frequency (MHz)				2546.01	2592.99	2640.00				
100	1/2 BPSK	1	1	18.92	19.92	19.04	19.7	0.0		
100	1/2 BPSK	1	137	19.00	19.10	19.03				
100	1/2 BPSK	1	271	19.02	19.92	19.05				
100	1/2 BPSK	135	0	19.05	19.03	19.07	19.7	0.0		
100	1/2 BPSK	135	69	19.96	19.95	19.11	19.7	0.0		
100	1/2 BPSK	135	138	19.88	19.02	19.00	19.7	0.0		
100	1/2 BPSK	270	0	19.00	19.99	19.99	19.7	0.0		
100	QPSK	1	1	19.00	19.12	19.03	19.7	0.0		
100	QPSK	1	137	19.89	19.05	19.83				
100	QPSK	1	271	19.98	19.01	19.90				
100	QPSK	135	0	19.04	19.98	19.89	19.7	0.0		
100	QPSK	135	69	19.06	19.08	19.07	19.7	0.0		
100	QPSK	135	138	19.93	19.90	19.03	19.7	0.0		
100	QPSK	270	0	19.97	19.04	19.97	19.7	0.0		
100	16QAM	1	1	18.96	19.11	19.01	19.7	0.0		
100	16QAM	1	1	19.10	19.10	19.00	19.7	0.0		
100	256QAM	1	1	18.90	18.93	19.01	19.7	0.0		
Channel				508200	518598	528998				
90	QPSK	1	1	2541	2592.99	2641.99	limit (dB)	0.0		
Channel				507204	518598	529998				
80	QPSK	1	1	18.98	19.11	19.99	19.7	0.0		
Channel				506202	518598	531000				
70	QPSK	1	1	2531.01	2592.99	2635	limit (dB)	0.0		
Channel				505200	518598	531998				
60	QPSK	1	1	2526	2592.99	2639.99	limit (dB)	0.0		
Channel				504204	518598	532998				
50	QPSK	1	1	18.95	19.07	19.96	19.7	0.0		
Channel				503202	518598	534000				
40	QPSK	1	1	2518.01	2592.99	2632	limit (dB)	0.0		
Channel				502200	518598	534998				
30	QPSK	1	1	19.96	19.08	19.98	19.7	0.0		
Channel				502200	518598	534998				
25	QPSK	1	1	19.93	19.05	19.00	19.7	0.0		
Channel				501204	518598	535998				
20	QPSK	1	1	2236.02	2292.99	2339.99	limit (dB)	0.0		
Channel				500700	518598	536496				
15	QPSK	1	1	2233.0	2292.99	2327.0	limit (dB)	0.0		
Channel				500202	518598	537000				
10	QPSK	1	1	18.91	19.02	19.97	19.7	0.0		

Part96 n48 Ant1 DSI 5										
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				638000	641666	645332				
Frequency (Mhz)				3570	3624.99	3679.98				
40	1/2 BPSK	1	1	21.23	21.10	21.16	22.8	0.0		
40	1/2 BPSK	1	53	21.28	21.26	21.13				
40	1/2 BPSK	1	104	21.17	21.21	21.19				
40	1/2 BPSK	50	0	21.23	21.27	21.19	22.8	0.0		
40	1/2 BPSK	50	28	21.12	21.28	21.21	22.8	0.0		
40	1/2 BPSK	50	56	21.19	21.27	21.19	22.8	0.0		
40	1/2 BPSK	100	0	21.17	21.24	21.20	22.8	0.0		
40	QPSK	1	1	21.15	21.32	21.22	22.8	0.0		
40	QPSK	1	53	21.09	21.15	21.16				
40	QPSK	1	104	21.17	21.16	21.23				
40	QPSK	50	0	21.15	21.20	21.23	22.8	0.0		
40	QPSK	50	28	21.11	21.25	21.09	22.8	0.0		
40	QPSK	50	56	21.22	21.24	21.18	22.8	0.0		
40	QPSK	100	0	21.19	21.21	21.16	22.8	0.0		
40	16QAM	1	1	21.08	21.12	21.01	22.8	0.0		
40	64QAM	1	1	19.59	19.63	19.58	21.3	1.5		
40	256QAM	1	1	17.56	17.62	17.59	19.3	3.5		
Channel				638000	641666	645332	Tune-up	MPR		
30	QPSK	1	1	3563.02	3624.99	3684.99	limit (dB)	0.0		
Channel				637334	641666	646000	Tune-up	MPR		
20	QPSK	1	1	3560.01	3624.99	3690	limit (dB)	0.0		
Channel				637168	641666	646166	Tune-up	MPR		
15	QPSK	1	1	3557.52	3624.99	3692.49	limit (dB)	0.0		
Channel				637000	641666	646332	Tune-up	MPR		
10	QPSK	1	1	3555	3624.99	3694.98	limit (dB)	0.0		

Part270 n77 Ant1 Other PA DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	1/2 BPSK	1	1	18.91	18.79	18.76	20.0	0.0		
100	1/2 BPSK	1	137	18.91	18.87	18.82				
100	1/2 BPSK	1	271	18.78	18.75	18.87				
100	1/2 BPSK	135	0	18.85	18.87	18.71	20.0	0.0		
100	1/2 BPSK	135	69	18.74	18.76	18.88	20.0	0.0		
100	1/2 BPSK	135	138	18.73	18.78	18.74	20.0	0.0		
100	1/2 BPSK	270	0	18.80	18.83	18.77	20.0	0.0		
100	QPSK	1	1	18.93	18.92	18.87	20.0	0.0		
100	QPSK	1	137	18.73	18.78	18.74				
100	QPSK	1	271	18.81	18.85	18.78				
100	QPSK	135	0	18.92	18.84	18.71	20.0	0.0		
100	QPSK	135	69	18.86	18.90	18.87	20.0	0.0		
100	QPSK	135	138	18.75	18.84	18.83	20.0	0.0		
100	QPSK	270	0	18.78	18.86	18.85	20.0	0.0		
100	16QAM	1	1	18.75	18.84	18.63	20.0	0.0		
100	16QAM	1	137	18.74	18.83	18.62				
100	16QAM	1	271	18.74	18.83	18.62				
100	256QAM	1	1	18.74	18.83	18.83	20.0	0.0		
Channel				649688	656000	662334	Tune-up	MPR		
90	QPSK	1	1	18.93	18.90	18.85	20.0	0.0		
90	QPSK	1	137	18.73	18.82	18.81	20.0	0.0		
90	QPSK	1	271	18.84	18.88	18.82	20.0	0.0		
Channel				650000	656000	662000	Tune-up	MPR		
80	QPSK	1	1	18.82	18.89	18.77	20.0	0.0		
80	QPSK	1	137	18.82	18.89	18.85	20.0	0.0		
80	QPSK	1	271	18.73	18.80	18.94	20.0	0.0		
Channel				3735	3840	3945				
70	QPSK	1	1	18.81	18.82	18.85	20.0	0.0		
70	QPSK	1	137	18.81	18.82	18.85	20.0	0.0		
70	QPSK	1	271	18.73	18.80	18.94	20.0	0.0		
Channel				3730 <th>3840</th> <th>3950<th colspan="4"></th></th>	3840	3950 <th colspan="4"></th>				
60	QPSK	1	1	18.81	18.90	18.73	20.0	0.0		
60	QPSK	1	137	18.81	18.90	18.73	20.0	0.0		
60	QPSK	1	271	18.70	18.80	18.78	20.0	0.0		
Channel				3725 <th>3840</th> <th>3955<th colspan="4"></th></th>	3840	3955 <th colspan="4"></th>				
50	QPSK	1	1	18.70	18.80	18.78	20.0	0.0		
50	QPSK	1	137	18.75	18.87	18.80	20.0	0.0		
50	QPSK	1	271	18.75	18.87	18.80	20.0	0.0		
Channel				3715 <th>3840</th> <th>3955<th colspan="4"></th></th>	3840	3955 <th colspan="4"></th>				
40	QPSK	1	1	18.70	18.87	18.87	20.0	0.0		
40	QPSK	1	137	18.70	18.87	18.87	20.0	0.0		
40	QPSK	1	271	18.75	18.87	18.87	20.0	0.0		
Channel				647500	656000	664688	Tune-up	MPR		
25	QPSK	1	1	18.72	18.80	18.93	20.0	0.0		
25	QPSK	1	137	18.73	18.83	18.93	20.0	0.0		
25	QPSK	1	271	18.73	18.83	18.93	20.0	0.0		
Channel				647334	656000	664688	Tune-up	MPR		
20	QPSK	1	1	18.70	18.87	18.87	20.0	0.0		
20	QPSK	1	137	18.73	18.83	18.93	20.0	0.0		
20	QPSK	1	271	18.73	18.83	18.93	20.0	0.0		
Channel				647000	656000	664834	Tune-up	MPR		
15	QPSK	1	1	18.70	18.87	18.87	20.0	0.0		
15	QPSK	1	137	18.73	18.83	18.93	20.0	0.0		
15	QPSK	1	271	18.73	18.83	18.93	20.0	0.0		
Channel				647000	656000	665000	Tune-up	MPR		
10	QPSK	1	1	18.82	18.91	18.84	20.0	0.0		



Part27O n77 Ant1 Other PA DSI 5 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	1	22.21	22.01	22.09		
100	1/2 BPSK	1	137	22.17	22.06	22.14	23.0	0.0
100	1/2 BPSK	1	271	22.11	22.08	22.13		
100	1/2 BPSK	135	0	22.18	22.10	22.08	23.0	0.0
100	1/2 BPSK	135	69	22.14	22.06	22.06		
100	1/2 BPSK	135	138	22.08	22.14	22.08	23.0	0.0
100	1/2 BPSK	270	0	22.13	22.07	22.02		
100	QPSK	1	1	22.11	22.03	22.11		
100	QPSK	1	137	22.04	22.08	22.02	23.0	0.0
100	QPSK	1	271	22.06	22.14	22.15		
100	QPSK	135	0	22.16	22.20	21.98	23.0	0.0
100	QPSK	135	69	22.19	22.21	22.17	23.0	0.0
100	QPSK	135	138	22.07	22.06	22.14	23.0	0.0
100	QPSK	270	0	22.07	22.17	22.02		
100	16QAM	1	1	22.04	22.12	22.10	23.0	0.0
100	16QAM	1	1	22.10	22.05	22.14	23.0	0.0
100	256QAM	1	1	22.17	22.26	22.15	23.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64868	65600	66234	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	3742.02	3840	3935.01		
90	QPSK	1	1	22.08	22.23	22.03	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	656000	662668	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	3740.01	3840	3940.02		
80	QPSK	1	1	22.05	22.23	22.09	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	656000	663000	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	3725	3840	3945		
70	QPSK	1	1	22.01	22.20	22.03	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	656000	663334	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	3730.02	3840	3950.01		
60	QPSK	1	1	22.04	22.25	22.04	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	656000	663668	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	3722.01	3840	3952.02		
50	QPSK	1	1	22.03	22.25	22.08	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	656000	664000	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	3720	3840	3960		
40	QPSK	1	1	22.08	22.27	22.01	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	656000	664334	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	3716.02	3840	3966.01		
30	QPSK	1	1	22.04	22.25	22.03	23.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	647500	656000	664500	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	3712.5	3840	3972.5		
25	QPSK	1	1	22.08	22.29	22.07	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	656000	664668	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	3710.01	3840	3978.02		
20	QPSK	1	1	22.09	22.30	22.07	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647168	656000	664834	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	3707.52	3840	3979.51		
15	QPSK	1	1	22.00	22.27	22.10	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	656000	665000	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	3705	3840	3975		
10	QPSK	1	1	22.07	22.28	22.06	23.0	0.0

Part27Q n77 Ant1 Other PA DSI 5

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		3500.01			
100	1/2 BPSK	1	1		18.40		20.0	0.0
100	1/2 BPSK	1	137		18.46			
100	1/2 BPSK	1	271		18.34		20.0	0.0
100	1/2 BPSK	135	0		18.38		20.0	0.0
100	1/2 BPSK	135	69		18.33		20.0	0.0
100	1/2 BPSK	135	138		18.37		20.0	0.0
100	1/2 BPSK	270	0		18.40			
100	QPSK	1	1		18.55			
100	QPSK	1	137		18.30		20.0	0.0
100	QPSK	1	271		18.34		20.0	0.0
100	QPSK	135	0		18.43		20.0	0.0
100	QPSK	135	69		18.53		20.0	0.0
100	QPSK	135	138		18.39		20.0	0.0
100	QPSK	270	0		18.45			
100	16QAM	1	1		18.37		20.0	0.0
100	16QAM	1	1		18.36		20.0	0.0
100	256QAM	1	1		18.46		20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02		
90	QPSK	1	1	18.48	18.47	18.46	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	3480.02	3500.01	3510		
80	QPSK	1	1	18.47	18.54	18.51	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	3485.01	3500.01	3515.01		
70	QPSK	1	1	18.51	18.45	18.53	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	3480	3500.01	3520.02		
60	QPSK	1	1	18.49	18.48	18.49	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	3475.02	3500.01	3525		
50	QPSK	1	1	18.47	18.49	18.52	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	3470.01	3500.01	3530.01		
40	QPSK	1	1	18.52	18.49	18.53	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	3465	3500.01	3535.02		
30	QPSK	1	1	18.45	18.45	18.49	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	630834	633334	635834	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	3460.51	3500.01	3538.51		
25	QPSK	1	1	18.52	18.48	18.52	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	3460.02	3500.01	3540		
20	QPSK	1	1	18.46	18.46	18.51	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630500	633334	636168	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	3455.51	3500.01	3540.52		
15	QPSK	1	1	18.50	18.51	18.50	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	3455.01	3500.01	3545.01		
10	QPSK	1	1	18.46	18.45	18.52	20.0	0.0

Part27Q n77 Ant1 Other PA DSI 5 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [dBm]	Power Middle Ch. [dBm]	Power High Ch. [dBm]	Tune-up limit (dBm)	MPR (dB)
Channel								
					633334			
Frequency (MHz)								
100	1/2 BPSK	1		21.48				
100	1/2 BPSK	1	137	21.48		23.0	0.0	
100	1/2 BPSK	1	271	21.45				
100	1/2 BPSK	135	0	21.44		23.0	0.0	
100	1/2 BPSK	135	136	21.55		23.0	0.0	
100	1/2 BPSK	270	0	21.43				
100	QPSK	1	137	21.52		23.0	0.0	
100	QPSK	1	271	21.48				
100	QPSK	135	0	21.48		23.0	0.0	
100	QPSK	135	69	21.62		23.0	0.0	
100	16QAM	1	137	21.44		23.0	0.0	
100	16QAM	1	271	21.43				
100	QPSK	270	0	21.59		23.0	0.0	
100	16QAM	1	137	21.44		23.0	0.0	
100	16QAM	1	271	21.43				
100	25QAM	1		21.51				
Channel								
				633000	633334	633688	Tune-up	MPR
90	QPSK	1		3489	3500.01	3520.02	23.0	0.0
Frequency (MHz)								
				3169.02	3169.03	3169.04		
Channel								
				3469.02	3500.01	3531.00	Tune-up	MPR
10	QPSK	1		21.56	21.62	21.62	23.0	0.0
Frequency (MHz)								
				3333.33	3333.33	3333.33		
70	QPSK	1		3485.01	3500.01	3515.01		
Frequency (MHz)								
				21.61	21.64	21.67	23.0	0.0
60	QPSK	1		3489	3500.01	3520.02		
Frequency (MHz)								
				21.64	21.61	21.55	23.0	0.0
50	QPSK	1		3476.02	3500.01	3525		
Frequency (MHz)								
				21.58	21.60	21.60	23.0	0.0
40	QPSK	1		3470.01	3500.01	3520.01		
Frequency (MHz)								
				21.62	21.62	21.62	23.0	0.0
30	QPSK	1		3466	3500.01	3535.02		
Frequency (MHz)								
				630334	633334	636334	Tune-up	MPR
25	QPSK	1		3428.51	3500.01	3537.51		
Channel								
				636688	633334	630000	Tune-up	MPR
20	QPSK	1		3400.02	3500.01	3520.01		
Frequency (MHz)								
				21.57	21.59	21.59	23.0	0.0
15	QPSK	1		3405.00	633334	636188	Tune-up	MPR
Frequency (MHz)								
				3457.5	3500.01	3542.5		
10	QPSK	1		3400.01	633334	636000	Tune-up	MPR
Frequency (MHz)								
				630334	633334	636334		
10	QPSK	1		21.64	21.59	21.59	23.0	0.0

Part270 n78 Ant1 Other PA DSI 5									
PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	21.81					
100	1/2 BPSK	1	137	22.03			23.0	0.0	
100	1/2 BPSK	1	271	22.03					
100	1/2 BPSK	135	0	22.04			23.0	0.0	
100	1/2 BPSK	135	69	22.04			23.0	0.0	
100	1/2 BPSK	135	138	22.01			23.0	0.0	
100	1/2 BPSK	270	0	22.00					
100	QPSK	1	1	22.17					
100	QPSK	1	137	21.97			23.0	0.0	
100	QPSK	1	271	21.98					
100	QPSK	135	0	22.03			23.0	0.0	
100	QPSK	135	69	22.13			23.0	0.0	
100	QPSK	135	138	21.97			23.0	0.0	
100	QPSK	270	0	22.04					
100	16QAM	1	1	21.99			23.0	0.0	
100	16QAM	1	1	21.99			23.0	0.0	
100	256QAM	1	1	22.08			23.0	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3743.02	3750	3753.01	limit (dB)		
90	QPSK	1	1	22.08	22.10	22.08	23.0	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	22.11	22.09	22.07	23.0	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	22.14	22.05	22.13	23.0	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3743.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	22.08	22.10	22.13	23.0	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3763.02	limit (dB)		
50	QPSK	1	1	22.09	22.14	22.10	23.0	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	22.13	22.13	22.09	23.0	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.09	3750	3785.01	limit (dB)		
30	QPSK	1	1	22.11	22.11	22.07	23.0	0.0	
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
25	QPSK	1	1	22.10	22.16	22.11	23.0	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1	22.12	22.09	22.10	23.0	0.0	
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.59	3750	3792.51	limit (dB)		
15	QPSK	1	1	22.15	22.07	22.11	23.0	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1	22.15	22.16	22.08	23.0	0.0	

Part27Q n78 Ant1 Other PA DSI 5									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	19.12					
100	1/2 BPSK	1	137	19.16			20.0	0.0	
100	1/2 BPSK	1	271	19.19					
100	1/2 BPSK	135	0	19.25			20.0	0.0	
100	1/2 BPSK	135	69	19.25			20.0	0.0	
100	1/2 BPSK	135	138	19.16			20.0	0.0	
100	1/2 BPSK	270	0	19.19					
100	QPSK	1	1	19.35					
100	QPSK	1	137	19.21			20.0	0.0	
100	QPSK	1	271	19.13					
100	QPSK	135	0	19.26			20.0	0.0	
100	QPSK	135	69	19.34			20.0	0.0	
100	QPSK	135	138	19.26			20.0	0.0	
100	QPSK	270	0	19.23					
100	16QAM	1	1	19.20			20.0	0.0	
100	16QAM	1	1	19.16			20.0	0.0	
100	256QAM	1	1	19.22			20.0	0.0	
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3485	3500.01	3503.02	limit (dB)		
90	QPSK	1	1	19.33	19.31	19.28	20.0	0.0	
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3480.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	19.23	19.34	19.24	20.0	0.0	
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	19.32	19.31	19.27	20.0	0.0	
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3480	3500.01	3503.02	limit (dB)		
60	QPSK	1	1	19.25	19.33	19.27	20.0	0.0	
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3500.01	3505	limit (dB)		
50	QPSK	1	1	19.23	19.29	19.26	20.0	0.0	
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3503.01	limit (dB)		
40	QPSK	1	1	19.34	19.32	19.32	20.0	0.0	
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3503.02	limit (dB)		
30	QPSK	1	1	19.33	19.24	19.33	20.0	0.0	
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.01	3511.51	limit (dB)		
25	QPSK	1	1	19.25	19.30	19.29	20.0	0.0	
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3510	limit (dB)		
20	QPSK	1	1	19.28	19.25	19.30	20.0	0.0	
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.5	3500.01	3514.52	limit (dB)		
15	QPSK	1	1	19.27	19.25	19.30	20.0	0.0	
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3515.01	limit (dB)		
10	QPSK	1	1	19.30	19.27	19.33	20.0	0.0	

Part27Q n78 Ant1 Other PA DSI 5 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	22.14					
100	1/2 BPSK	1	137	22.33			23.0	0.0	
100	1/2 BPSK	1	271	22.35					
100	1/2 BPSK	135	0	22.43			23.0	0.0	
100	1/2 BPSK	135	69	22.38			23.0	0.0	
100	1/2 BPSK	135	138	22.29			23.0	0.0	
100	1/2 BPSK	270	0	22.25					
100	QPSK	1	1	22.46					
100	QPSK	1	137	22.26			23.0	0.0	
100	QPSK	1	271	22.27					
100	QPSK	135	0	22.41			23.0	0.0	
100	QPSK	135	69	22.45			23.0	0.0	
100	QPSK	135	138	22.34			23.0	0.0	
100	QPSK	270	0	22.41					
100	16QAM	1	1	22.33			23.0	0.0	
100	16QAM	1	1	22.26			23.0	0.0	
100	256QAM	1	1	22.35			23.0	0.0	
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3485	3500.01	3503.02	limit (dBm)		
90	QPSK	1	1	22.41	22.48	22.44	23.0	0.0	
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3480.02	3500.01	3510	limit (dBm)		
80	QPSK	1	1	22.43	22.46	22.39	23.0	0.0	
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dBm)		
70	QPSK	1	1	22.46	22.47	22.41	23.0	0.0	
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3480	3500.01	3503.02	limit (dBm)		
60	QPSK	1	1	22.44	22.44	22.43	23.0	0.0	
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3500.01	3505	limit (dBm)		
50	QPSK	1	1	22.43	22.43	22.41	23.0	0.0	
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3503.01	limit (dBm)		
40	QPSK	1	1	22.43	22.39	22.42	23.0	0.0	
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3505.02	limit (dBm)		
30	QPSK	1	1	22.80	22.62	22.68	23.0	0.0	
Channel				630634	633334	636334	Tune-up	MPR	
Frequency (MHz)				3450	3500.01	3507.51	limit (dBm)		
25	QPSK	1	1	22.44	22.42	22.42	23.0	0.0	
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3462.02	3500.01	3507	limit (dBm)		
20	QPSK	1	1	22.40	22.43	22.42	23.0	0.0	
Channel				630300	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457	3500.01	3507.68	limit (dBm)		
15	QPSK	1	1	22.39	22.42	22.40	23.0	0.0	
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3454	3500.01	3507.81	limit (dBm)		
10	QPSK	1	1	22.47	22.47	22.43	23.0	0.0	



n2 Ant5 DSI 5										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40 1/2 BPSK	1	1	17.46	17.28	17.41			18.3	0.0	
40 1/2 BPSK	1	108	17.43	17.43	17.38					
40 1/2 BPSK	1	214	17.40	17.34	17.51					
40 1/2 BPSK	108	0	17.40	17.43	17.35	18.3	0.0	18.3	0.0	
40 1/2 BPSK	108	54	17.40	17.34	17.48	18.3	0.0			
40 1/2 BPSK	108	108	17.37	17.41	17.31	18.3	0.0			
40 1/2 BPSK	216	0	17.42	17.40	17.34			18.3	0.0	
40 QPSK	1	1	17.42	17.54	17.44					
40 QPSK	1	108	17.39	17.40	17.31					
40 QPSK	1	214	17.28	17.40	17.47			18.3	0.0	
40 QPSK	108	0	17.38	17.50	17.38	18.3	0.0			
40 QPSK	108	54	17.39	17.51	17.44	18.3	0.0			
40 QPSK	108	108	17.47	17.49	17.40	18.3	0.0	18.3	0.0	
40 QPSK	216	0	17.39	17.46	17.33					
40 16QAM	1	1	17.34	17.39	17.41	18.3	0.0			
40 64QAM	1	1	17.46	17.35	17.39	18.3	0.0	18.3	0.0	
40 256QAM	1	1	17.41	17.47	17.29	18.3	0.0			
Channel				373500	376000	378500	Tune-up MPR			
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)			
35 QPSK	1	1	17.34	17.46	17.41	18.3	0.0	18.3	0.0	
Channel				373000	376000	379000	Tune-up MPR			
Frequency (MHz)				1865	1880	1895	limit (dB)			
30 QPSK	1	1	17.40	17.46	17.34	18.3	0.0	18.3	0.0	
Channel				372500	376000	379500	Tune-up MPR			
Frequency (MHz)				1862.5	1880	1897.5	limit (dB)			
25 QPSK	1	1	17.41	17.51	17.32	18.3	0.0	18.3	0.0	
Channel				372000	376000	380000	Tune-up MPR			
Frequency (MHz)				1860	1880	1900	limit (dB)			
20 QPSK	1	1	17.43	17.48	17.35	18.3	0.0	18.3	0.0	
Channel				371500	376000	380500	Tune-up MPR			
Frequency (MHz)				1857.5	1880	1902.5	limit (dB)			
15 QPSK	1	1	17.38	17.51	17.43	18.3	0.0	18.3	0.0	
Channel				371000	376000	381000	Tune-up MPR			
Frequency (MHz)				1855	1880	1905	limit (dB)			
10 QPSK	1	1	17.37	17.51	17.34	18.3	0.0	18.3	0.0	
Channel				370500	376000	381500	Tune-up MPR			
Frequency (MHz)				1852.5	1880	1907.5	limit (dB)			
5 QPSK	1	1	17.36	17.44	17.41	18.3	0.0	18.3	0.0	
Channel										
Frequency (MHz)										

n7 Ant5 DSI 5										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	15.41	15.13	15.22		15.7	0.0	
40	1/2 BPSK	1	108	15.38	15.33	15.23				
40	1/2 BPSK	1	214	15.32	15.26	15.25				
40	1/2 BPSK	108	0	15.37	15.27	15.24	15.7	15.7	0.0	
40	1/2 BPSK	108	54	15.34	15.30	15.36	15.7			
40	1/2 BPSK	108	108	15.35	15.31	15.22	15.7			
40	1/2 BPSK	216	0	15.27	15.25	15.26		15.7	0.0	
40	QPSK	1	1	15.25	15.44	15.26				
40	QPSK	1	108	15.18	15.29	15.30	15.7			
40	QPSK	1	214	15.30	15.29	15.31		15.7	0.0	
40	QPSK	108	0	15.23	15.30	15.19	15.7			
40	QPSK	108	54	15.29	15.41	15.31	15.7			
40	QPSK	108	108	15.28	15.32	15.37	15.7	15.7	0.0	
40	QPSK	216	0	15.36	15.39	15.24				
40	16QAM	1	1	15.20	15.35	15.30	15.7			
40	64QAM	1	1	15.41	15.35	15.31	15.7	15.7	0.0	
40	256QAM	1	1	15.27	15.31	15.30	15.7			
Channel				503500	507000	510500	Tune-up MPR			
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)			
35	QPSK	1	1	15.15	15.35	15.19	15.7	15.7	0.0	
Channel				503000	507000	511000	Tune-up MPR			
Frequency (MHz)				2515	2535	2555	limit (dB)			
30	QPSK	1	1	15.15	15.42	15.24	15.7	15.7	0.0	
Channel				502500	507000	511500	Tune-up MPR			
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)			
25	QPSK	1	1	15.22	15.37	15.19	15.7	15.7	0.0	
Channel				502000	507000	512000	Tune-up MPR			
Frequency (MHz)				2510	2535	2560	limit (dB)			
20	QPSK	1	1	15.16	15.37	15.15	15.7	15.7	0.0	
Channel				501500	507000	512500	Tune-up MPR			
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)			
15	QPSK	1	1	15.23	15.38	15.20	15.7	15.7	0.0	
Channel				501000	507000	513000	Tune-up MPR			
Frequency (MHz)				2505	2535	2565	limit (dB)			
10	QPSK	1	1	15.22	15.35	15.16	15.7	15.7	0.0	
Channel				500500	507000	513500	Tune-up MPR			
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)			
5	QPSK	1	1	15.14	15.38	15.25	15.7	15.7	0.0	
Channel										
Frequency (MHz)										

n66 Ant5 DSI 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	17.31	17.08	17.12		17.7	0.0
40	1/2 BPSK	1	108	17.16	17.20	17.15			
40	1/2 BPSK	1	214	17.29	17.22	17.27			
40	1/2 BPSK	108	0	17.31	17.22	17.27	17.7	0.0	
40	1/2 BPSK	108	54	17.16	17.22	17.31	17.7	0.0	
40	1/2 BPSK	108	108	17.24	17.26	17.12	17.7	0.0	
40	1/2 BPSK	216	0	17.19	17.25	17.26			
40	QPSK	1	1	17.17	17.35	17.28			
40	QPSK	1	108	17.17	17.15	17.19	17.7	0.0	
40	QPSK	1	214	17.22	17.17	17.23			
40	QPSK	108	0	17.24	17.29	17.17	17.7	0.0	
40	QPSK	108	54	17.20	17.33	17.21	17.7	0.0	
40	QPSK	108	108	17.21	17.19	17.18	17.7	0.0	
40	QPSK	216	0	17.18	17.26	17.12			
40	16QAM	1	1	17.12	17.16	17.26	17.7	0.0	
40	64QAM	1	1	17.17	17.21	17.23	17.7	0.0	
40	256QAM	1	1	17.17	17.24	17.20	17.7	0.0	
Channel				345500	349000	352500	Tune-up		
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)		
35	QPSK	1	1	17.10	17.25	17.18	17.7	0.0	
Channel				345000	349000	353000	Tune-up		
Frequency (MHz)				1725	1745	1765	limit (dB)		
30	QPSK	1	1	17.08	17.29	17.20	17.7	0.0	
Channel				344500	349000	353500	Tune-up		
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	QPSK	1	1	17.10	17.29	17.24	17.7	0.0	
Channel				344000	349000	354000	Tune-up		
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	17.15	17.27	17.19	17.7	0.0	
Channel				343500	349000	354500	Tune-up		
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)		
15	QPSK	1	1	17.10	17.29	17.22	17.7	0.0	
Channel				343000	349000	355000	Tune-up		
Frequency (MHz)				1715	1745	1775	limit (dB)		
10	QPSK	1	1	17.08	17.32	17.17	17.7	0.0	
Channel				342500	349000	355500	Tune-up		
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)		
5	QPSK	1	1	17.07	17.28	17.21	17.7	0.0	

n38 Ant5 DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	15.23	15.06	15.23		
40	1/2 BPSK	1	53	15.22	15.15	15.21	15.7	0.0
40	1/2 BPSK	1	104	15.15	15.22	15.09	15.7	0.0
40	1/2 BPSK	50	0	15.24	15.27	15.14	15.7	0.0
40	1/2 BPSK	50	26	15.24	15.23	15.23	15.7	0.0
40	1/2 BPSK	50	56	15.26	15.21	15.10	15.7	0.0
40	1/2 BPSK	100	0	15.24	15.13	15.15	15.7	0.0
40	QPSK	1	1	15.25	15.31	15.20		
40	QPSK	1	53	15.13	15.22	15.14	15.7	0.0
40	QPSK	1	104	15.15	15.21	15.26		
40	QPSK	50	0	15.28	15.09	15.15	15.7	0.0
40	QPSK	50	26	15.18	15.20	15.19	15.7	0.0
40	QPSK	50	56	15.18	15.21	15.25	15.7	0.0
40	QPSK	100	0	15.24	15.20	15.13		
40	16QAM	1	1	15.18	15.21	15.14	15.7	0.0
40	64QAM	1	1	15.13	15.16	15.19	15.7	0.0
40	256QAM	1	1	15.11	15.18	15.23	15.7	0.0
Channel				517002	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2583.01	2595	2604.99	15.7	0.0
30	QPSK	1	1	15.20	15.25	15.19	15.7	0.0
Channel				516504	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2592.52	2595	2607.48	15.7	0.0
25	QPSK	1	1	15.16	15.23	15.15	15.7	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2590	2595	2610	15.7	0.0
20	QPSK	1	1	15.24	15.25	15.15	15.7	0.0
Channel				515502	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49	15.7	0.0
15	QPSK	1	1	15.17	15.24	15.17	15.7	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2575.02	2595	2614.98	15.7	0.0
10	QPSK	1	1	15.21	15.21	15.14	15.7	0.0

n41 n5 DSI 5								
BW [MHz]	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	518596	520000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	15.15	14.98	15.05	15.7	0.0
100	1/2 BPSK	1	137	15.19	15.14	15.08	15.7	0.0
100	1/2 BPSK	1	271	15.12	15.16	15.14	15.7	0.0
100	1/2 BPSK	135	0	15.16	15.09	15.61	15.7	0.0
100	1/2 BPSK	135	69	15.07	15.17	15.06	15.7	0.0
100	1/2 BPSK	135	138	15.13	15.15	15.10	15.7	0.0
100	1/2 BPSK	270	0	15.12	15.07	15.61	15.7	0.0
100	QPSK	1	1	15.11	15.25	15.18	15.7	0.0
100	QPSK	1	137	15.03	15.14	14.98	15.7	0.0
100	QPSK	1	271	15.07	15.13	15.17	15.7	0.0
100	QPSK	135	0	15.14	15.06	14.97	15.7	0.0
100	QPSK	135	69	15.09	15.21	15.12	15.7	0.0
100	QPSK	135	138	15.12	15.14	15.09	15.7	0.0
100	QPSK	270	0	15.16	15.15	14.95	15.7	0.0
100	16QAM	1	1	15.09	15.08	15.09	15.7	0.0
100	64QAM	1	1	15.14	15.11	15.19	15.7	0.0
100	256QAM	1	1	15.03	15.14	15.12	15.7	0.0
Channel				508200	518596	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2602.99	2644.99	15.7	0.0
90	QPSK	1	1	15.07	15.22	15.15	15.7	0.0
Channel				507204	518596	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2539.02	2602.99	2649.99	15.7	0.0
80	QPSK	1	1	15.09	15.19	15.13	15.7	0.0
Channel				506202	518596	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2602.99	2655	15.7	0.0
70	QPSK	1	1	15.09	15.23	15.09	15.7	0.0
Channel				505200	518596	531696	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2602.99	2659.99	15.7	0.0
60	QPSK	1	1	15.02	15.20	15.14	15.7	0.0
Channel				504204	518596	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2602.99	2664.99	15.7	0.0
50	QPSK	1	1	15.07	15.15	15.15	15.7	0.0
Channel				503202	518596	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2602.99	2670	15.7	0.0
40	QPSK	1	1	15.03	15.23	15.11	15.7	0.0
Channel				502200	518596	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2602.99	2674.99	15.7	0.0
30	QPSK	1	1	15.09	15.23	15.12	15.7	0.0
Channel				502200	518596	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2602.99	2674.99	15.7	0.0
25	QPSK	1	1	15.02	15.15	15.18	15.7	0.0
Channel				501204	518596	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2602.99	2679.99	15.7	0.0
20	QPSK	1	1	15.02	15.19	15.08	15.7	0.0
Channel				500700	518596	536496	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.5	2602.99	2683.48	15.7	0.0
15	QPSK	1	1	15.02	15.20	15.14	15.7	0.0
Channel				500202	518596	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2491.01	2602.99	2685	15.7	0.0
10	QPSK	1	1	15.10	15.15	15.17	15.7	0.0

n2 Ant6 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	1/2 BPSK	1	1	20.34	20.04	20.27		21.7	0.0	
40	1/2 BPSK	1	108	20.31	20.26	20.18				
40	1/2 BPSK	1	214	20.18	20.21	20.15				
40	1/2 BPSK	108	0	20.23	20.25	20.17	21.7			
40	1/2 BPSK	108	54	20.16	20.20	20.32	21.7			
40	1/2 BPSK	108	108	20.19	20.21	20.22	21.7			
40	1/2 BPSK	216	0	20.22	20.20	20.16				
40	QPSK	1	1	20.27	20.36	20.27				
40	QPSK	1	108	20.09	20.17	20.16	21.7			
40	QPSK	1	214	20.08	20.13	20.17				
40	QPSK	108	0	20.17	20.21	20.18	21.7			
40	QPSK	108	54	20.23	20.32	20.27	21.7			
40	QPSK	108	108	20.23	20.23	20.15	21.7			
40	QPSK	216	0	20.20	20.26	20.10				
40	16QAM	1	1	20.12	20.25	20.22	21.7			
40	64QAM	1	1	20.24	20.19	20.28	21.7			
40	256QAM	1	1	19.91	19.98	19.93	20.7			
Channel				373500	376000	378500	Tune-up MPR			
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)			
35	QPSK	1	1	20.16	20.34	20.16	21.7			
Channel				373000	376000	379000	Tune-up MPR			
Frequency (MHz)				1868	1880	1898	limit (dB)			
30	QPSK	1	1	20.16	20.34	20.20	21.7			
Channel				372500	376000	379500	Tune-up MPR			
Frequency (MHz)				1862.5	1880	1897.5	limit (dB)			
25	QPSK	1	1	20.17	20.33	20.17	21.7			
Channel				372000	376000	380000	Tune-up MPR			
Frequency (MHz)				1860	1880	1900	limit (dB)			
20	QPSK	1	1	20.25	20.20	20.25	21.7			
Channel				371500	376000	380500	Tune-up MPR			
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)			
15	QPSK	1	1	20.21	20.29	20.22	21.7			
Channel				371000	376000	381000	Tune-up MPR			
Frequency (MHz)				1865	1880	1905	limit (dB)			
10	QPSK	1	1	20.22	20.26	20.25	21.7			
Channel				370500	376000	381500	Tune-up MPR			
Frequency (MHz)				1863.5	1880	1907.5	limit (dB)			
5	QPSK	1	1	20.19	20.31	20.23	21.7			

n7 Ant6 DSI 5											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				504000	507000	510000					
Frequency (MHz)				2520	2535	2550					
40	1/2 BPSK	1	1	19.02	18.97	18.91		19.7	0.0		
40	1/2 BPSK	1	108	18.95	19.03	18.97					
40	1/2 BPSK	1	214	19.08	18.93	19.09					
40	1/2 BPSK	108	0	19.07	19.08	18.99	19.7				
40	1/2 BPSK	108	54	19.00	19.01	19.08	19.7				
40	1/2 BPSK	108	108	19.07	19.04	19.03	19.7				
40	1/2 BPSK	216	0	18.97	19.03	19.02					
40	QPSK	1	1	19.01	19.17	19.02					
40	QPSK	1	108	18.99	19.03	18.87	19.7				
40	QPSK	1	214	18.94	19.07	19.07					
40	QPSK	108	0	19.00	18.98	18.99	19.7				
40	QPSK	108	54	19.01	19.14	18.99	19.7				
40	QPSK	108	108	19.08	19.04	19.06	19.7				
40	QPSK	216	0	18.98	19.05	18.95					
40	16QAM	1	1	18.86	18.92	19.00	19.7				
40	64QAM	1	1	19.07	18.97	19.01	19.7				
40	256QAM	1	1	18.88	19.06	18.95	19.7				
Channel				503500	507000	510500	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5					
35	QPSK	1	1	19.01	19.14	18.99	19.7				
Channel				503000	507000	511000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2516	2535	2553					
30	QPSK	1	1	18.98	19.12	18.97	19.7				
Channel				502500	507000	511500	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5					
25	QPSK	1	1	19.00	19.11	19.00	19.7				
Channel				502000	507000	512000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2510	2535	2560					
20	1/2 BPSK	1	1	19.04	19.08	18.98	19.7				
Channel				501500	507000	512500	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	1	19.04	19.10	18.99	19.7				
Channel				501000	507000	513000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	1	18.94	19.16	18.96	19.7				
Channel				500500	507000	513500	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	1	18.99	19.08	18.92	19.7				

n66 Ant6 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	18.25	18.07	18.23		19.7	0.0	
40	1/2 BPSK	1	108	18.26	18.26	18.19				
40	1/2 BPSK	1	214	18.29	18.15	18.21				
40	1/2 BPSK	108	0	18.20	18.27	18.20	19.7	0.0		
40	1/2 BPSK	108	54	18.20	18.20	18.23	19.7	0.0		
40	1/2 BPSK	108	108	18.22	18.23	18.15	19.7	0.0		
40	1/2 BPSK	216	0	18.18	18.11	18.10				
40	QPSK	1	1	18.26	18.36	18.22				
40	QPSK	1	108	18.19	18.17	18.13	19.7	0.0		
40	QPSK	1	214	18.07	18.18	18.33				
40	QPSK	108	0	18.18	18.23	18.08	19.7	0.0		
40	QPSK	108	54	18.25	18.32	18.22	19.7	0.0		
40	QPSK	108	108	18.19	18.22	18.28	19.7	0.0		
40	QPSK	216	0	18.11	18.28	18.16				
40	16QAM	1	1	18.08	18.18	18.27	19.7	0.0		
40	64QAM	1	1	18.25	18.08	18.20	19.7	0.0		
40	256QAM	1	1	18.25	18.26	18.16	19.7	0.0		
Channel				345500	349000	352500	Tune-up MPR			
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)			
35	QPSK	1	1	18.23	18.31	18.16	0.0			
Channel				345000	349000	353000	Tune-up MPR			
Frequency (MHz)				1726	1745	1763	limit (dB)			
30	QPSK	1	1	18.21	18.32	18.11	19.7	0.0		
Channel				344500	349000	353500	Tune-up MPR			
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)			
25	QPSK	1	1	18.20	18.30	18.13	19.7	0.0		
Channel				344000	349000	354000	Tune-up MPR			
Frequency (MHz)				1720	1745	1770	limit (dB)			
20	QPSK	1	1	18.19	18.32	18.13	19.7	0.0		
Channel				343500	349000	354500	Tune-up MPR			
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)			
15	QPSK	1	1	18.20	18.25	18.20	19.7	0.0		
Channel				343000	349000	355000	Tune-up MPR			
Frequency (MHz)				1715	1745	1775	limit (dB)			
10	QPSK	1	1	18.28	18.29	18.20	19.7	0.0		
Channel				342500	349000	355500	Tune-up MPR			
Frequency (MHz)				1712.5	1745	1780	limit (dB)			
5	QPSK	1	1	18.20	18.29	18.20	19.7	0.0		



n38 Ant6 DSI 5									
BW [MHz]	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)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	18.16	17.94	18.03		19.0	0.0
40	1/2 BPSK	1	53	18.15	18.16	18.16			
40	1/2 BPSK	1	104	18.07	18.08	18.09			
40	1/2 BPSK	50	0	18.14	18.11	18.05	19.0	0.0	0.0
40	1/2 BPSK	50	28	18.07	18.10	18.11	19.0	0.0	0.0
40	1/2 BPSK	50	56	18.13	18.18	18.00	19.0	0.0	0.0
40	1/2 BPSK	100	0	18.05	18.09	18.14			
40	QPSK	1	1	18.20	18.22	18.18			
40	QPSK	1	53	18.06	18.12	18.06	19.0	0.0	0.0
40	QPSK	1	104	18.03	18.16	18.07			
40	QPSK	50	0	18.13	18.14	18.07	19.0	0.0	0.0
40	QPSK	50	28	18.11	18.19	18.13	19.0	0.0	0.0
40	QPSK	50	56	18.15	18.09	18.14	19.0	0.0	0.0
40	QPSK	100	0	18.03	18.16	18.08			
40	16QAM	1	1	18.06	18.08	18.10	19.0	0.0	0.0
40	16QAM	1	1	18.10	18.02	18.05	19.0	0.0	0.0
40	256QAM	1	1	18.07	18.10	18.07	19.0	0.0	0.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up	MPR	
30	QPSK	1	1	18.12	18.14	18.15	19.0	0.0	0.0
Channel									
Frequency (MHz)				516804	519000	521496	Tune-up	MPR	
25	QPSK	1	1	18.15	18.15	18.12	19.0	0.0	0.0
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up	MPR	
20	QPSK	1	1	18.19	18.14	18.09	19.0	0.0	0.0
Channel									
Frequency (MHz)				515802	519000	522498	Tune-up	MPR	
15	QPSK	1	1	18.19	18.13	18.10	19.0	0.0	0.0
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up	MPR	
10	QPSK	1	1	18.13	18.16	18.10	19.0	0.0	0.0

n41 Ant6 DSI 5									
BW [MHz]	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)				509202	518598	528000			
100	1/2 BPSK	1	1	18.21	18.08	18.09			
100	1/2 BPSK	1	137	18.25	18.18	18.18	19.7		
100	1/2 BPSK	1	271	18.15	18.10	18.19			
100	1/2 BPSK	135	0	18.22	18.21	18.17	19.7		
100	1/2 BPSK	135	69	18.14	18.16	18.22	19.7		
100	1/2 BPSK	135	138	18.20	18.16	18.13	19.7	0.0	
100	1/2 BPSK	270	0	18.21	18.19	18.19			
100	QPSK	1	1	18.23	18.26	18.25			
100	QPSK	1	137	18.12	18.10	18.09	19.7	0.0	
100	QPSK	1	271	18.12	18.21	18.18			
100	QPSK	135	0	18.20	18.13	18.13	19.7	0.0	
100	QPSK	135	69	18.23	18.27	18.17	19.7	0.0	
100	QPSK	135	138	18.18	18.10	18.21	19.7	0.0	
100	QPSK	270	0	18.18	18.22	18.06			
100	16QAM	1	1	18.08	18.08	18.19	19.7	0.0	
100	64QAM	1	1	18.18	18.07	18.21	19.7	0.0	
100	256QAM	1	1	18.15	18.17	18.16	19.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up	MPR	
90	QPSK	1	1	18.21	18.17	18.21	19.7	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up	MPR	
80	QPSK	1	1	18.13	18.25	18.14	19.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up	MPR	
70	QPSK	1	1	18.15	18.25	18.23	19.7	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up	MPR	
60	QPSK	1	1	18.21	18.23	18.19	19.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up	MPR	
50	QPSK	1	1	18.12	18.23	18.23	19.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up	MPR	
40	QPSK	1	1	18.21	18.26	18.14	19.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
30	QPSK	1	1	18.15	18.24	18.16	19.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
25	QPSK	1	1	18.21	18.22	18.24	19.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535996	Tune-up	MPR	
20	QPSK	1	1	18.15	18.26	18.22	19.7	0.0	
Channel									
Frequency (MHz)				500700	518598	536496	Tune-up	MPR	
15	QPSK	1	1	18.16	18.20	18.20	19.7	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up	MPR	
10	QPSK	1	1	18.16	18.26	18.18	19.7	0.0	

Part96 n48 Ant6 DSI 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel				636000	641666	645738			
Frequency (MHz)				3570	3624.99	3679.98			
40	1/2 BPSK	1	1	18.11	17.98	18.13		19.5	0.0
40	1/2 BPSK	1	53	18.13	18.17	18.06			
40	1/2 BPSK	1	104	18.04	18.12	18.04			
40	1/2 BPSK	50	0	18.16	18.12	18.12	19.5	0.0	
40	1/2 BPSK	50	28	18.07	18.13	18.11	19.5	0.0	
40	1/2 BPSK	50	56	18.07	18.12	18.10	19.5	0.0	
40	1/2 BPSK	100	0	18.11	18.12	18.03			
40	QPSK	1	1	18.14	18.21	18.09			
40	QPSK	1	53	17.97	18.14	18.02	19.5	0.0	
40	QPSK	1	104	18.07	18.10	18.05			
40	QPSK	50	0	18.08	18.09	18.00	19.5	0.0	
40	QPSK	50	28	18.17	18.19	18.09	19.5	0.0	
40	QPSK	50	56	18.14	18.05	18.16	19.5	0.0	
40	QPSK	100	0	18.14	18.16	18.10			
40	16QAM	1	1	18.08	18.12	18.13	19.5	0.0	
40	16QAM	1	1	18.11	18.02	18.17	19.5	0.0	
40	256QAM	1	1	18.09	18.15	18.11	19.5	0.0	
Channel				637688	641666	645686			
Frequency (MHz)				636000	641666	645738	Tune-up		MPR
30	QPSK	1	1	18.03	18.19	18.06	19.5	0.0	
Channel				637334	641666	646000			
Frequency (MHz)				636000	641666	645738	Tune-up		MPR
20	QPSK	1	1	18.12	18.15	18.06	19.5	0.0	
Channel				637168	641666	646166	Tune-up		MPR
15	QPSK	1	1	18.12	18.13	17.99	19.5	0.0	
Channel				637000	641666	646332	Tune-up		MPR
Frequency (MHz)				636000	641666	645738	Tune-up		MPR
10	QPSK	1	1	18.12	18.18	18.00	19.5	0.0	

Part270 n77 Ant6 DSI 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up (MHz)	MPR (dB)	
Channel				650000	656000	663000			
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	19.58	19.49	19.57			
100	1/2 BPSK	1	137	19.58	19.54	19.58	21.0	0.0	
100	1/2 BPSK	1	271	19.57	19.54	19.51			
100	1/2 BPSK	136	0	19.53	19.64	19.56	21.0	0.0	
100	1/2 BPSK	136	69	19.58	19.59	19.58			
100	1/2 BPSK	136	138	19.60	19.63	19.51	21.0	0.0	
100	1/2 BPSK	270	0	19.57	19.56	19.47			
100	1/2 BPSK	270	137	19.63	19.63	19.64	21.0	0.0	
100	QPSK	1	137	19.49	19.58	19.44	21.0	0.0	
100	QPSK	1	271	19.56	19.54	19.51			
100	QPSK	136	0	19.56	19.56	19.43	21.0	0.0	
100	QPSK	136	69	19.56	19.64	19.62	21.0	0.0	
100	QPSK	136	138	19.62	19.62	19.48	21.0	0.0	
100	QPSK	270	0	19.48	19.62	19.48			
100	16QAM	1	1	19.45	19.62	19.48	21.0	0.0	
100	16QAM	1	137	19.52	19.62	19.58	21.0	0.0	
100	16QAM	1	270	19.45	19.62	19.48			
100	256QAM	1	1	19.47	19.57	19.48	21.0	0.0	
Channel				649880	656000	662334			
90	QPSK	1	1	19.57	19.60	19.62	21.0	0.0	MPR
Frequency (MHz)				3745.92	3840	3930.08			
Channel				649901	656000	662365			
80	QPSK	1	1	19.59	19.64	19.62	21.0	0.0	MPR
Frequency (MHz)				3735 <th>3840</th> <th>3945</th> <th></th> <th></th> <th></th>	3840	3945			
Channel				649920	656000	662400			
70	QPSK	1	1	19.62	19.63	19.56	21.0	0.0	MPR
Frequency (MHz)				3730.08	3840	3950.01			
Channel				649934	656000	662434			
60	QPSK	1	1	19.62	19.63 <td>19.51</td> <td>21.0</td> <td>0.0</td> <td>MPR</td>	19.51	21.0	0.0	MPR
Frequency (MHz)				3725.01	3840	3955.02			
Channel				649951	656000	662467			
50	QPSK	1	1	19.60	19.55	19.54	21.0	0.0	MPR
Frequency (MHz)				3720 <th>3840<th>3960</th><th></th><th></th><th></th></th>	3840 <th>3960</th> <th></th> <th></th> <th></th>	3960			
Channel				649965	656000	662500			
40	QPSK	1	1	19.55	19.63 <td>19.50</td> <td>21.0</td> <td>0.0</td> <td>MPR</td>	19.50	21.0	0.0	MPR
Frequency (MHz)				3715.02	3840	3965.01			
Channel				649978	656000	662533			
30	QPSK	1	1	19.62 <td>19.61</td> <td>19.55</td> <td>21.0</td> <td>0.0</td> <td>MPR</td>	19.61	19.55	21.0	0.0	MPR
Frequency (MHz)				3712.5 <th>3840</th> <th>3975</th> <th></th> <th></th> <th></th>	3840	3975			
Channel				649993	656000	662568			
25	QPSK	1	1	19.61	19.59	19.56	21.0	0.0	MPR
Frequency (MHz)				3710.01	3840	3972.02			
Channel				649997	656000	662572			
20	QPSK	1	1	19.62 <td>19.61</td> <td>19.54</td> <td>21.0</td> <td>0.0</td> <td>MPR</td>	19.61	19.54	21.0	0.0	MPR
Frequency (MHz)				3707.52	3840	3974.53			
Channel				649998	656000	662573			
15	QPSK	1	1	19.63	19.58	19.50	21.0	0.0	MPR
Frequency (MHz)				3705.03	3840	3977.03			
Channel				649999	656000	662580			
10	QPSK	1	1	19.58	19.58	19.60	21.0	0.0	MPR



Part270 n77 Ant6 DSI 5 PC2											
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		24.0	0.0		
100	1/2 BPSK	1	137	22.58	22.50	22.53					
100	1/2 BPSK	1	137	22.55	22.57	22.53					
100	1/2 BPSK	1	271	22.58	22.49	22.62					
100	1/2 BPSK	135	0	22.63	22.61	22.58	24.0	0.0	0.0		
100	1/2 BPSK	135	69	22.54	22.58	22.65	24.0				
100	1/2 BPSK	135	138	22.55	22.63	22.49	24.0				
100	1/2 BPSK	270	0	22.58	22.63	22.47	24.0				
100	QPSK	1	137	22.49	22.59	22.48	24.0	0.0	0.0		
100	QPSK	1	271	22.45	22.65	22.59	24.0				
100	QPSK	135	0	22.50	22.60	22.51	24.0				
100	QPSK	135	69	22.54	22.65	22.59	24.0				
100	QPSK	135	138	22.62	22.65	22.58	24.0	0.0	0.0		
100	QPSK	270	0	22.56	22.61	22.48	24.0				
100	16QAM	1	1	22.46	22.56	22.58	24.0				
100	16QAM	1	1	22.09	22.08	22.01	24.0	0.0	0.0		
100	256QAM	1	1	21.06	21.14	21.03	22.5				
Channel											
Frequency (MHz)											
90	QPSK	1	1	649688	656000	662334	Tune-up limit (dB)				
90	QPSK	1	1	3742.02	3750	3755.01	24.0				
Channel											
Frequency (MHz)											
80	QPSK	1	1	649334	656000	662668	Tune-up limit (dB)				
80	QPSK	1	1	3740.01	3750	3760.02	24.0				
Channel											
Frequency (MHz)											
70	QPSK	1	1	649000	656000	663000	Tune-up limit (dB)				
70	QPSK	1	1	3725	3750	3745	24.0				
Channel											
Frequency (MHz)											
60	QPSK	1	1	648668	656000	663334	Tune-up limit (dB)				
60	QPSK	1	1	3720.02	3750	3760.01	24.0				
Channel											
Frequency (MHz)											
50	QPSK	1	1	648334	656000	663668	Tune-up limit (dB)				
50	QPSK	1	1	3722.01	3750	3752.02	24.0				
Channel											
Frequency (MHz)											
40	QPSK	1	1	648000	656000	664000	Tune-up limit (dB)				
40	QPSK	1	1	3720	3750	3750	24.0				
Channel											
Frequency (MHz)											
30	QPSK	1	1	647668	656000	664334	Tune-up limit (dB)				
30	QPSK	1	1	3716.02	3750	3766.01	24.0				
Channel											
Frequency (MHz)											
25	QPSK	1	1	647500	656000	664500	Tune-up limit (dB)				
25	QPSK	1	1	3712.5	3750	3767.5	24.0				
Channel											
Frequency (MHz)											
20	QPSK	1	1	647334	656000	664668	Tune-up limit (dB)				
20	QPSK	1	1	3710.01	3750	3760.02	24.0				
Channel											
Frequency (MHz)											
15	QPSK	1	1	647168	656000	664834	Tune-up limit (dB)				
15	QPSK	1	1	3707.52	3750	3767.51	24.0				
Channel											
Frequency (MHz)											
10	QPSK	1	1	647000	656000	665000	Tune-up limit (dB)				
10	QPSK	1	1	3705	3750	3765	24.0				
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.48	22.61	22.40	24.0	0.0	0.0		
Channel											
Frequency (MHz)											
Channel											
Frequency (MHz)											

Part270Q n77 Ant6 DSI 5											
BW [MHz]	Module ion	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	1/2 BPSK	1	1		3500.01			21.0	0.0		
100	1/2 BPSK	1	137		19.38						
100	1/2 BPSK	1	137		19.54						
100	1/2 BPSK	1	271		19.46						
100	1/2 BPSK	135	0		19.57		21.0	0.0	0.0		
100	1/2 BPSK	135	69		19.45		21.0				
100	1/2 BPSK	135	138		19.49		21.0				
100	1/2 BPSK	270	0		19.41		21.0				
100	QPSK	1	1		19.59			21.0	0.0		
100	QPSK	1	137		19.43						
100	QPSK	1	271		19.48		21.0				
100	QPSK	135	0		19.50		21.0				
100	QPSK	135	69		19.55		21.0	0.0	0.0		
100	QPSK	135	138		19.42		21.0				
100	QPSK	270	0		19.54		21.0				
100	16QAM	1	1		19.42		21.0				
100	64QAM	1	1		19.43		21.0	0.0	0.0		
100	256QAM	1	1		19.48		21.0				
Channel											
Frequency (MHz)											
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dB)	21.0	0.0		
90	QPSK	1	1	3495	3500.01	3505.02	limit (dB)				
Channel											
Frequency (MHz)											
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dB)	21.0	0.0		
80	QPSK	1	1	3490.02	3500.01	3510	limit (dB)				
Channel											
Frequency (MHz)											
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dB)	21.0	0.0		
70	QPSK	1	1	3485.01	3500.01	3515.01	limit (dB)				
Channel											
Frequency (MHz)											
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dB)	21.0	0.0		
60	QPSK	1	1	3480	3500.01	3520.02	limit (dB)				
Channel											
Frequency (MHz)											
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dB)	21.0	0.0		
50	QPSK	1	1	3475.02	3500.01	3525	limit (dB)				
Channel											
Frequency (MHz)											
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dB)	21.0	0.0		
40	QPSK	1	1	3470.01	3500.01	3530.01	limit (dB)				
Channel											
Frequency (MHz)											
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dB)	21.0	0.0		
30	QPSK	1	1	3465	3500.01	3535.02	limit (dB)				
Channel											
Frequency (MHz)											
25	QPSK	1	1	630668	633334	635934	Tune-up limit (dB)	21.0	0.0		
25	QPSK	1	1	3462.51	3500.01	3537.51	limit (dB)				
Channel											
Frequency (MHz)											
20	QPSK	1	1	630334	633334	636200	Tune-up limit (dB)	21.0	0.0		
20	QPSK	1	1	3460.02	3500.01	3540	limit (dB)				
Channel											
Frequency (MHz)											
15	QPSK	1	1	630000	633334	636468	Tune-up limit (dB)	21.0	0.0		
15	QPSK	1	1	3457.51	3500.01	3542.51	limit (dB)				
Channel											
Frequency (MHz)											
10	QPSK	1	1	629668	633334	636668	Tune-up limit (dB)	21.0	0.0		
10	QPSK	1	1	3455.02	3500.01	3545.02	limit (dB)				
Channel											
Frequency (MHz)											

Part270 n78 Ant6 DSI 5 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				Channel		650000			
Frequency (MHz)				Channel		3750			
100	1/2 BPSK	1	1			21.83		23.5	0.0
100	1/2 BPSK	1	137			21.95			
100	1/2 BPSK	1	271			21.87			
100	1/2 BPSK	135	0			21.92		23.5	0.0
100	1/2 BPSK	135	69			21.85		23.5	0.0
100	1/2 BPSK	135	138			21.83		23.5	0.0
100	1/2 BPSK	270	0			21.96			
100	QPSK	1	1			22.16			
100	QPSK	1	137			21.93		23.5	0.0
100	QPSK	1	271			21.90			
100	QPSK	135	0			21.74		23.5	0.0
100	QPSK	135	69			22.10		23.5	0.0
100	QPSK	135	138			21.92		23.5	0.0
100	QPSK	270	0			22.04			
100	16QAM	1	1			22.01		23.5	0.0
100	64QAM	1	1			21.92		23.5	0.0
100	256QAM	1	1			21.51		22.7	0.5
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">650334</td>				Channel	650334				
90	QPSK	1	1			22.10		23.5	0.0
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">650668</td>				Channel	650668				
80	QPSK	1	1			22.12		23.5	0.0
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">651000</td>				Channel	651000				
70	QPSK	1	1			22.14		23.5	0.0
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">651334</td>				Channel	651334				
60	QPSK	1	1			22.12		23.5	0.0
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">651668</td>				Channel	651668				
50	QPSK	1	1			22.08		23.5	0.0
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">652000</td>				Channel	652000				
40	QPSK	1	1			22.08		23.5	0.0
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">652334</td>				Channel	652334				
30	QPSK	1	1			22.08		23.5	0.0
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">652500</td>				Channel	652500				
25	QPSK	1	1			22.12		23.5	0.0
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">652668</td>				Channel	652668				
20	QPSK	1	1			22.07		23.5	0.0
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">652834</td>				Channel	652834				
15	QPSK	1	1			22.11		23.5	0.0
Channel				Channel		650000			
Frequency (MHz) <td>Channel</td> <td colspan="5">653000</td>				Channel	653000				
10	QPSK	1	1			22.13		23.5	0.0

Part27Q n78 Ant6 DSI 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				Channel		633334			
Frequency (MHz)				Channel		3500.01			
100	1/2 BPSK	1	1			18.93		20.5	0.0
100	1/2 BPSK	1	137			18.92			
100	1/2 BPSK	1	271			18.88			
100	1/2 BPSK	135	0			19.10		20.5	0.0
100	1/2 BPSK	135	69			19.00		20.5	0.0
100	1/2 BPSK	135	138			19.04		20.5	0.0
100	1/2 BPSK	270	0			18.92			
100	QPSK	1	1			19.23			
100	QPSK	1	137			18.88		20.5	0.0
100	QPSK	1	271			18.95			
100	QPSK	135	0			18.95		20.5	0.0
100	QPSK	135	69			19.11		20.5	0.0
100	QPSK	135	138			18.88		20.5	0.0
100	QPSK	270	0			19.02			
100	16QAM	1	1			18.96		20.5	0.0
100	64QAM	1	1			19.07		20.5	0.0
100	256QAM	1	1			19.01		20.5	0.0
Channel				Channel		633000			
Frequency (MHz)				Channel	633334	633668	Tune-up	MPR	
90	QPSK	1	1	3485	3500.01	3502.02	limit	0.0	
Channel				19.18	19.21	19.18	20.5	0.0	
Frequency (MHz)				Channel	633668	634000	Tune-up	MPR	
80	QPSK	1	1	3485	3500.01	3510.01	limit	0.0	
Channel				19.16	19.12	19.17	20.5	0.0	
Frequency (MHz)				Channel	634000	634334	Tune-up	MPR	
70	QPSK	1	1	3485	3500.01	3515.01	limit	0.0	
Channel				19.17	19.13	19.13	20.5	0.0	
Frequency (MHz)				Channel	634334	634668	Tune-up	MPR	
60	QPSK	1	1	3485	3500.01	3520.02	limit	0.0	
Channel				19.15	19.19	19.13	20.5	0.0	
Frequency (MHz)				Channel	634668	635000	Tune-up	MPR	
50	QPSK	1	1	3485	3500.01	3525.01	limit	0.0	
Channel				19.16	19.17	19.21	20.5	0.0	
Frequency (MHz)				Channel	635000	635334	Tune-up	MPR	
40	QPSK	1	1	3485	3500.01	3530.01	limit	0.0	
Channel				19.19	19.21	19.14	20.5	0.0	
Frequency (MHz)				Channel	635334	635668	Tune-up	MPR	
30	QPSK	1	1	3485	3500.01	3535.02	limit	0.0	
Channel				19.20	19.21	19.13	20.5	0.0	
Frequency (MHz)				Channel	635668	636000	Tune-up	MPR	
25	QPSK	1	1	3485	3500.01	3538.01	limit	0.0	
Channel				19.14	19.22	19.14	20.5	0.0	
Frequency (MHz)				Channel	636000	636334	Tune-up	MPR	
20	QPSK	1	1	3485	3500.01	3540.01	limit	0.0	
Channel				19.14	19.18	19.13	20.5	0.0	
Frequency (MHz)				Channel	636334	636668	Tune-up	MPR	
15	QPSK	1	1	3485	3500.01	3545.01	limit	0.0	
Channel				19.17	19.14	19.21	20.5	0.0	
Frequency (MHz)				Channel	636668	637000	Tune-up	MPR	
10	QPSK	1	1	3485	3500.01	3550.01	limit	0.0	
Channel				19.19	19.13	19.18	20.5	0.0	

Part27Q n78 Ant6 DSI 5 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				Channel		633334			
Frequency (MHz)				Channel		3500.01			
100	1/2 BPSK	1	1			21.93		23.5	0.0
100	1/2 BPSK	1	137			21.87			
100	1/2 BPSK	1	271			21.79			
100	1/2 BPSK	135	0			21.96		23.5	0.0
100	1/2 BPSK	135	69			22.04		23.5	0.0
100	1/2 BPSK	135	138			22.16		23.5	0.0
100	1/2 BPSK	270	0			21.97			
100	QPSK	1	1			22.16			
100	QPSK	1	137			21.85		23.5	0.0
100	QPSK	1	271			21.89			
100	QPSK	135	0			21.86		23.5	0.0
100	QPSK	135	69			22.11		23.5	0.0
100	QPSK	135	138			21.84		23.5	0.0
100	QPSK	270	0			22.04			
100	16QAM	1	1			21.86		23.5	0.0
100	64QAM	1	1			22.09		23.5	0.0
100	256QAM	1	1			21.50		22.7	0.5
Channel				Channel		633000			
Frequency (MHz) <td>Channel</td> <td data-cs="4" data-kind="parent">633334</td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td>MPR (dB)</td>				Channel	633334				MPR (dB)
90	QPSK	1	1			22.08		23.5	0.0
Channel				Channel		634000			
Frequency (MHz) <td>Channel</td> <td data-cs="4" data-kind="parent">63510</td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td>MPR (dB)</td>				Channel	63510				MPR (dB)
80	QPSK	1	1			22.12		23.5	0.0
Channel				Channel		634334			
Frequency (MHz)				22.08	22.16	22.24	23.5	0.0	
70	QPSK	1	1			22.20		23.5	0.0
Channel				Channel		634666			
Frequency (MHz)				22.12	22.16	22.20	23.5	0.0	
60	QPSK	1	1			22.25		23.5	0.0
Channel				Channel		634999			
Frequency (MHz)				22.16	22.20	22.24	23.5	0.0	
50	QPSK	1	1			22.31		23.5	0.0
Channel				Channel		635333			
Frequency (MHz)				22.20	22.24	22.28	23.5	0.0	
40	QPSK	1	1			22.37		23.5	0.0
Channel				Channel		635666			
Frequency (MHz)				22.28	22.32	22.36	23.5	0.0	
30	QPSK	1	1			22.43		23.5	0.0
Channel				Channel		636000			
Frequency (MHz)				22.36	22.40	22.44	23.5	0.0	
20	QPSK	1	1			22.49		23.5	0.0
Channel				Channel		636333			
Frequency (MHz)				22.44	22.48	22.52	23.5	0.0	
10	QPSK	1	1			22.55		23.5	0.0
Channel				Channel		636666			
Frequency (MHz)				22.52	22.56	22.60	23.5	0.0	
5	QPSK	1	1			22.61		23.5	0.0
Channel				Channel		637000			
Frequency (MHz)				22.60	22.64	22.68	23.5	0.0	
2	QPSK	1	1			22.67		23.5	0.0
Channel				Channel		637333			
Frequency (MHz)				22.68	22.72	22.76	23.5	0.0	
1	QPSK	1	1			22.73		23.5	0.0
Channel				Channel		637666			
Frequency (MHz)				22.76	22.80	22.84	23.5	0.0	



Part96 n48 Ant7 DSI 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)				638000	641666	645332			
40	1/2 BPSK	1	1	18.13	18.03	18.18			
40	1/2 BPSK	1	53	18.13	18.06	18.09			
40	1/2 BPSK	1	104	18.10	18.08	18.06		18.7	0.0
40	1/2 BPSK	50	0	18.14	18.15	18.12		18.7	0.0
40	1/2 BPSK	50	26	18.08	18.07	18.17		18.7	0.0
40	1/2 BPSK	50	56	18.11	18.22	17.99		18.7	0.0
40	1/2 BPSK	100	0	18.09	18.09	18.09		18.7	0.0
40	QPSK	1	1	18.19	18.26	18.11			
40	QPSK	1	53	18.12	18.08	18.01		18.7	0.0
40	QPSK	1	104	18.02	18.14	18.09		18.7	0.0
40	QPSK	50	0	18.13	18.15	18.06		18.7	0.0
40	QPSK	50	26	18.12	18.23	18.13		18.7	0.0
40	QPSK	50	56	18.16	18.11	18.06		18.7	0.0
40	QPSK	100	0	18.08	18.17	18.01		18.7	0.0
40	16QAM	1	1	18.08	18.13	18.04		18.7	0.0
40	16QAM	1	1	18.05	18.13	18.10		18.7	0.0
40	256QAM	1	1	18.01	18.16	18.13		18.7	0.0
Channel									
Frequency (MHz)				637688	641666	645666		Tune-up	MPR
30	QPSK	1	1	18.13	18.23	18.03		18.7	0.0
Channel									
Frequency (MHz)				637334	641666	646000		Tune-up	MPR
20	QPSK	1	1	18.17	18.15	18.08		18.7	0.0
Channel									
Frequency (MHz)				637168	641666	646166		Tune-up	MPR
15	QPSK	1	1	18.03	18.15	18.02		18.7	0.0
Channel									
Frequency (MHz)				637000	641666	646332		Tune-up	MPR
10	QPSK	1	1	18.13	18.23	18.01		18.7	0.0

Part270 n77 Ant7 DSI 5									
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	15.08	15.00	15.02			
100	1/2 BPSK	1	137	15.04	15.14	15.00	16.0	0.0	
100	1/2 BPSK	1	271	15.07	15.03	15.13			
100	1/2 BPSK	135	0	15.08	15.10	15.05	16.0	0.0	
100	1/2 BPSK	135	69	15.03	15.05	15.14	16.0	0.0	
100	1/2 BPSK	135	138	15.06	15.11	15.04	16.0	0.0	
100	1/2 BPSK	270	0	15.07	15.06	14.99			
100	QPSK	1	1	15.10	15.16	15.08			
100	QPSK	1	137	14.93	14.98	14.99	16.0	0.0	
100	QPSK	1	271	15.05	15.08	15.09			
100	QPSK	135	0	15.02	15.06	15.00	16.0	0.0	
100	QPSK	135	69	15.03	15.14	15.09	16.0	0.0	
100	QPSK	135	138	15.08	15.08	15.12	16.0	0.0	
100	QPSK	270	0	14.99	15.07	14.98			
100	16QAM	1	1	14.94	15.05	15.09	16.0	0.0	
100	64QAM	1	1	15.08	15.01	15.09	16.0	0.0	
100	256QAM	1	1	15.01	15.03	15.01	16.0	0.0	
Channel									
Frequency (MHz)				646668	656000	662334	Tune-up MPR		
90	QPSK	1	1	15.05	15.07	15.02	16.0	0.0	
Channel									
Frequency (MHz)				646334	656000	662668	Tune-up MPR		
80	QPSK	1	1	15.06	15.12	14.98	16.0	0.0	
Channel									
Frequency (MHz)				646000	656000	663000	Tune-up MPR		
70	QPSK	1	1	15.05	15.05	14.98	16.0	0.0	
Channel									
Frequency (MHz)				646668	656000	663334	Tune-up MPR		
60	QPSK	1	1	14.99	15.06	15.04	16.0	0.0	
Channel									
Frequency (MHz)				646334	656000	663668	Tune-up MPR		
50	QPSK	1	1	15.08	15.07	15.04	16.0	0.0	
Channel									
Frequency (MHz)				646000	656000	664000	Tune-up MPR		
40	QPSK	1	1	15.06	15.11	15.03	16.0	0.0	
Channel									
Frequency (MHz)				647668	656000	664334	Tune-up MPR		
30	QPSK	1	1	15.01	15.09	15.03	16.0	0.0	
Channel									
Frequency (MHz)				647500	656000	664500	Tune-up MPR		
25	QPSK	1	1	15.05	15.09	15.02	16.0	0.0	
Channel									
Frequency (MHz)				647334	656000	664668	Tune-up MPR		
20	QPSK	1	1	15.07	15.15	14.98	16.0	0.0	
Channel									
Frequency (MHz)				647168	656000	664834	Tune-up MPR		
15	QPSK	1	1	15.07	15.11	15.07	16.0	0.0	
Channel									
Frequency (MHz)				647000	656000	665000	Tune-up MPR		
10	QPSK	1	1	15.06	15.11	15.04	16.0	0.0	

Part270 n77 Ant7 DSI 5 PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	17.96	17.79	17.93		19.0	0.0
100	1/2 BPSK	1	137	17.90	17.85	17.89			
100	1/2 BPSK	1	271	17.93	17.91	17.89			
100	1/2 BPSK	135	0	17.95	17.96	17.84	19.0	0.0	0.0
100	1/2 BPSK	138	69	17.87	17.85	17.93	19.0	0.0	0.0
100	1/2 BPSK	138	138	17.85	17.91	17.89	19.0	0.0	0.0
100	1/2 BPSK	270	0	17.89	17.87	17.87			
100	QPSK	1	1	17.94	18.02	17.92			
100	QPSK	1	137	17.84	17.87	17.79	19.0	0.0	0.0
100	QPSK	1	271	17.81	17.88	17.95			
100	QPSK	138	0	17.88	17.92	17.88	19.0	0.0	0.0
100	QPSK	138	69	17.92	17.98	17.94	19.0	0.0	0.0
100	QPSK	138	138	17.92	17.86	17.96	19.0	0.0	0.0
100	QPSK	270	0	17.93	17.95	17.92			
100	16QAM	1	1	17.84	17.88	17.95	19.0	0.0	0.0
100	64QAM	1	1	17.89	17.85	17.91	19.0	0.0	0.0
100	256QAM	1	1	17.88	17.97	17.84	19.0	0.0	0.0
Channel				646668	656000	662334	Tune-up MPR		
90	QPSK	1	1	17.91	17.93	17.89	19.0	0.0	0.0
Channel				646334	656000	662668	Tune-up MPR		
80	QPSK	1	1	17.93	17.91	17.84	19.0	0.0	0.0
Channel				646000	656000	663000	Tune-up MPR		
70	QPSK	1	1	17.95	17.94	17.84	19.0	0.0	0.0
Channel				645668	656000	663334	Tune-up MPR		
60	QPSK	1	1	17.90	17.95	17.85	19.0	0.0	0.0
Channel				646668	656000	663668	Tune-up MPR		
50	QPSK	1	1	17.86	17.92	17.87	19.0	0.0	0.0
Channel				646334	656000	664000	Tune-up MPR		
40	QPSK	1	1	17.90	18.00	17.82	19.0	0.0	0.0
Channel				646000	656000	664334	Tune-up MPR		
30	QPSK	1	1	17.92	17.94	17.84	19.0	0.0	0.0
Channel				645668	656000	664668	Tune-up MPR		
25	QPSK	1	1	17.93	17.92	17.87	19.0	0.0	0.0
Channel				645334	656000	665000	Tune-up MPR		
20	QPSK	1	1	17.95	17.96	17.86	19.0	0.0	0.0
Channel				645000	656000	665334	Tune-up MPR		
15	QPSK	1	1	17.97	17.98	17.88	19.0	0.0	0.0
Channel				644668	656000	665668	Tune-up MPR		
10	QPSK	1	1	17.86	17.98	17.86	19.0	0.0	0.0

Part27Q n77 Ant7 DSI 5 PC2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				633334							
Frequency (MHz)				3500.01							
100	1/2 BPSK	1	1		17.82		19.0		0.0		
100	1/2 BPSK	1	137		17.82						
100	1/2 BPSK	1	271		17.85		19.0		0.0		
100	1/2 BPSK	135	0		17.98						
100	1/2 BPSK	135	69		17.85		19.0		0.0		
100	1/2 BPSK	135	138		17.89						
100	1/2 BPSK	270	0		17.91		19.0		0.0		
100	QPSK	1	1		18.01						
100	QPSK	1	137		17.85		19.0		0.0		
100	QPSK	1	271		17.90						
100	QPSK	135	0		17.69		19.0		0.0		
100	QPSK	135	69		17.96						
100	QPSK	135	138		17.86		19.0		0.0		
100	QPSK	270	0		17.95						
100	16QAM	1	1		17.92		19.0		0.0		
100	64QAM	1	1		17.83						
100	256QAM	1	1		17.95		19.0		0.0		
Channel				633000	633334	633668	Tune-up MPR				
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)				
90	QPSK	1	1		17.96	17.92	17.91	19.0	0.0		
Channel				632668	633334	634000	Tune-up MPR				
Frequency (MHz)				3450.02	3500.01	3510	limit (dB)				
80	QPSK	1	1		17.94	17.92	18.00	19.0	0.0		
Channel				632334	633334	634334	Tune-up MPR				
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)				
70	QPSK	1	1		17.00	17.98	17.99	19.0	0.0		
Channel				632000	633334	634668	Tune-up MPR				
Frequency (MHz)				3490	3500.01	3500.02	limit (dB)				
60	QPSK	1	1		17.03	17.98	17.91	19.0	0.0		
Channel				631668	633334	635000	Tune-up MPR				
Frequency (MHz)				3475.02	3500.01	3505	limit (dB)				
50	QPSK	1	1		17.03	17.96	17.98	19.0	0.0		
Channel				631334	633334	635334	Tune-up MPR				
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)				
40	QPSK	1	1		17.95	17.95	17.96	19.0	0.0		
Channel				631000	633334	635668	Tune-up MPR				
Frequency (MHz)				3465	3500.01	3505.02	limit (dB)				
30	QPSK	1	1		17.99	17.90	17.99	19.0	0.0		
Channel				630834	633334	635834	Tune-up MPR				
Frequency (MHz)				3462.51	3500.01	3512.51	limit (dB)				
25	QPSK	1	1		17.94	17.95	17.94	19.0	0.0		
Channel				630668	633334	636000	Tune-up MPR				
Frequency (MHz)				3460.02	3500.01	3510	limit (dB)				
20	QPSK	1	1		18.00	17.90	17.98	19.0	0.0		
Channel				630500	633334	636168	Tune-up MPR				
Frequency (MHz)				3457.51	3500.01	3517.51	limit (dB)				
15	QPSK	1	1		17.97	17.99	17.97	19.0	0.0		
Channel				630334	633334	636334	Tune-up MPR				
Frequency (MHz)				3455.01	3500.01	3515.01	limit (dB)				
10	QPSK	1	1		17.92	17.95	17.97	19.0	0.0		
Channel											

Part27O n78 Ant7 DSI 5										
BW [MHz]	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	1/2 BPSK	1	1		15.56			16.5	0.0	
100	1/2 BPSK	1	137		15.59					
100	1/2 BPSK	1	271		15.54			16.5	0.0	
100	1/2 BPSK	135	0		15.68					
100	1/2 BPSK	135	69		15.55			16.5	0.0	
100	1/2 BPSK	135	138		15.63					
100	1/2 BPSK	270	0		15.63			16.5	0.0	
100	QPSK	1	1		15.71					
100	QPSK	1	137		15.64			16.5	0.0	
100	QPSK	1	271		15.65					
100	QPSK	135	0		15.68			16.5	0.0	
100	QPSK	135	69		15.71					
100	QPSK	135	138		15.68			16.5	0.0	
100	QPSK	270	0		15.63					
100	16QAM	1	1		15.68			16.5	0.0	
100	64QAM	1	1		15.54					
100	256QAM	1	1		15.60			16.5	0.0	
Channel				649668	650000	650334	Tune-up MPR			
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)			
90	QPSK	1	1		15.71	15.71	15.67	16.5	0.0	
Channel				649334	650000	650668	Tune-up MPR			
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)			
80	QPSK	1	1		15.68	15.72	15.63	16.5	0.0	
Channel				649000	650000	651000	Tune-up MPR			
Frequency (MHz)				3735	3750	3765	limit (dB)			
70	QPSK	1	1		15.68	15.67	15.69	16.5	0.0	
Channel				648668	650000	651334	Tune-up MPR			
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)			
60	QPSK	1	1		15.63	15.68	15.69	16.5	0.0	
Channel				648334	650000	651668	Tune-up MPR			
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)			
50	QPSK	1	1		15.68	15.70	15.72	16.5	0.0	
Channel				648000	650000	652000	Tune-up MPR			
Frequency (MHz)				3720	3750	3780	limit (dB)			
40	QPSK	1	1		15.63	15.71	15.71	16.5	0.0	
Channel				647668	650000	652334	Tune-up MPR			
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)			
30	QPSK	1	1		15.72	15.70	15.71	16.5	0.0	
Channel				647500	650000	652500	Tune-up MPR			
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)			
25	QPSK	1	1		15.67	15.65	15.66	16.5	0.0	
Channel				647334	650000	652668	Tune-up MPR			
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)			
20	QPSK	1	1		15.70	15.71	15.67	16.5	0.0	
Channel				647168	650000	652834	Tune-up MPR			
Frequency (MHz)				3707.52	3750	3792.51	limit (dB)			
15	QPSK	1	1		15.72	15.70	15.65	16.5	0.0	
Channel				647000	650000	653000	Tune-up MPR			
Frequency (MHz)				3705	3750	3795	limit (dB)			
10	QPSK	1	1		15.65	15.73	15.68	16.5	0.0	
Channel										
Frequency (MHz)										

Part27O n78 Ant7 DSI 5 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1		18.19		19.5	0.0	
100	1/2 BPSK	1	137		18.26				
100	1/2 BPSK	1	271		19.27		19.5	0.0	
100	1/2 BPSK	135	0		18.36				
100	1/2 BPSK	135	69		18.20		19.5	0.0	
100	1/2 BPSK	135	138		18.32				
100	1/2 BPSK	270	0		18.25		19.5	0.0	
100	QPSK	1	1		18.38				
100	QPSK	1	137		18.23		19.5	0.0	
100	QPSK	135	271		18.35				
100	QPSK	135	69		18.36		19.5	0.0	
100	QPSK	135	138		18.32		19.5	0.0	
100	QPSK	270	0		18.31		19.5	0.0	
100	16QAM	1	1		18.34		19.5	0.0	
100	16QAM	1	137		18.34		19.5	0.0	
100	16QAM	1	271		18.34		19.5	0.0	
100	256QAM	1	1		18.33		19.5	0.0	
Channel				649688	650000	650334	Tune-up	MPR	
90	Channel	Frequency (MHz)	3745.92	3750	3755.01		19.5	0.0	
	Channel	Frequency (MHz)	18.36	18.32	18.37		19.5	0.0	
80	Channel	Frequency (MHz)	3740.01	3750	3760.02		19.5	0.0	
	Channel	Frequency (MHz)	18.34	18.28	18.38		19.5	0.0	
70	Channel	Frequency (MHz)	3735	3750	3765		19.5	0.0	
	Channel	Frequency (MHz)	18.30	18.31	18.37		19.5	0.0	
60	Channel	Frequency (MHz)	3730.02	3750	3770.01		19.5	0.0	
	Channel	Frequency (MHz)	18.32	18.29	18.32		19.5	0.0	
50	Channel	Frequency (MHz)	3725.01	3750	3775.02		19.5	0.0	
	Channel	Frequency (MHz)	18.28	18.34	18.31		19.5	0.0	
40	Channel	Frequency (MHz)	3720	3750	3780		19.5	0.0	
	Channel	Frequency (MHz)	18.31	18.35	18.29		19.5	0.0	
30	Channel	Frequency (MHz)	3715.02	3750	3785.01		19.5	0.0	
	Channel	Frequency (MHz)	18.31	18.32	18.37		19.5	0.0	
25	Channel	Frequency (MHz)	3710.01	3750	3790.02		19.5	0.0	
	Channel	Frequency (MHz)	18.34	18.30	18.26		19.5	0.0	
20	Channel	Frequency (MHz)	3705.03	3750	3795.01		19.5	0.0	
	Channel	Frequency (MHz)	18.29	18.29	18.33		19.5	0.0	
15	Channel	Frequency (MHz)	3700.02	3750	3800.02		19.5	0.0	
	Channel	Frequency (MHz)	18.33	18.31	18.35		19.5	0.0	
10	Channel	Frequency (MHz)	3695.00	3750	3805.00		19.5	0.0	
	Channel	Frequency (MHz)	18.29	18.37	18.32		19.5	0.0	

Part27Q n78 Ant7 DSI 5

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [mHz]	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		15.59			
100	1/2 BPSK	1	137		15.77			
100	1/2 BPSK	1	271		15.77		16.5	0.0
100	1/2 BPSK	135	0		15.75		16.5	0.0
100	1/2 BPSK	135	69		15.70		16.5	0.0
100	1/2 BPSK	135	138		15.73		16.5	0.0
100	1/2 BPSK	270	0		15.62		16.5	0.0
100	QPSK	1	1		15.81			
100	QPSK	1	137		15.73		16.5	0.0
100	QPSK	1	271		15.69			
100	QPSK	135	0		15.71		16.5	0.0
100	QPSK	135	69		15.77		16.5	0.0
100	QPSK	135	138		15.66		16.5	0.0
100	QPSK	270	0		15.64			
100	16QAM	1	1		15.68		16.5	0.0
100	16QAM	1	1		15.67		16.5	0.0
100	256QAM	1	1		15.71		16.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)
90	QPSK	1	1	15.73	15.75	15.72	16.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	lim	(dB)
80	QPSK	1	1	15.73	15.75	15.73	16.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	lim	(dB)
70	QPSK	1	1	15.73	15.72	15.74	16.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	lim	(dB)
60	QPSK	1	1	15.74	15.74	15.74	16.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	lim	(dB)
50	QPSK	1	1	15.75	15.74	15.72	16.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	lim	(dB)
40	QPSK	1	1	15.75	15.74	15.80	16.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	lim	(dB)
30	QPSK	1	1	15.72	15.74	15.72	16.5	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	lim	(dB)
25	QPSK	1	1	15.77	15.76	15.72	16.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.03	3500.01	3540	lim	(dB)
20	QPSK	1	1	15.72	15.76	15.77	16.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	lim	(dB)
15	QPSK	1	1	15.80	15.79	15.74	16.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	lim	(dB)
10	QPSK	1	1	15.70	15.71	15.75	16.5	0.0

Part27Q n78 Ant7 DSI 5 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [mHz]	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		18.34			
100	1/2 BPSK	1	137		18.44			
100	1/2 BPSK	1	271		18.41		19.5	0.0
100	1/2 BPSK	135	0		18.47		19.5	0.0
100	1/2 BPSK	135	69		18.42		19.5	0.0
100	1/2 BPSK	135	138		18.47		19.5	0.0
100	1/2 BPSK	270	0		18.35			
100	QPSK	1	1		18.53			
100	QPSK	1	137		18.36		19.5	0.0
100	QPSK	1	271		18.40			
100	QPSK	135	0		18.37		19.5	0.0
100	QPSK	135	69		18.48		19.5	0.0
100	QPSK	135	138		18.36			
100	QPSK	270	0		18.44		19.5	0.0
100	16QAM	1	1		18.37		19.5	0.0
100	16QAM	1	1		18.34		19.5	0.0
100	256QAM	1	1		18.42		19.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)
90	QPSK	1	1	18.51	18.51	18.49	19.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	lim	(dB)
80	QPSK	1	1	18.44	18.49	18.51	19.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	lim	(dB)
70	QPSK	1	1	18.46	18.46	18.45	19.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	lim	(dB)
60	QPSK	1	1	18.50	18.43	18.47	19.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	lim	(dB)
50	QPSK	1	1	18.44	18.47	18.48	19.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	lim	(dB)
40	QPSK	1	1	18.50	18.43	18.47	19.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	lim	(dB)
30	QPSK	1	1	18.47	18.48	18.50	19.5	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	lim	(dB)
25	QPSK	1	1	18.48	18.50	18.47	19.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	lim	(dB)
20	QPSK	1	1	18.42	18.48	18.44	19.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	lim	(dB)
15	QPSK	1	1	18.51	18.48	18.50	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	lim	(dB)
10	QPSK	1	1	18.47	18.50	18.51	19.5	0.0



Part96 n48 Ant8 DSI 5													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR					
Channel													
Frequency (MHz)													
40	1/2 BPSK	1	1	3570	3624	3678		15.5	0.0				
40	1/2 BPSK	1	53	14.10	13.95	14.09							
40	1/2 BPSK	1	104	14.09	14.13	14.11							
40	1/2 BPSK	50	0	14.13	14.18	14.08	15.5	0.0					
40	1/2 BPSK	50	28	14.05	14.10	14.14	15.5	0.0					
40	1/2 BPSK	50	56	14.11	14.11	14.12	15.5	0.0					
40	1/2 BPSK	100	0	14.15	14.08	14.15	15.5	0.0					
40	QPSK	1	1	14.12	14.20	14.08		15.5	0.0				
40	QPSK	1	53	13.95	14.06	14.08							
40	QPSK	1	104	14.03	14.06	14.17							
40	QPSK	50	0	14.11	14.09	14.13	15.5	0.0					
40	QPSK	50	28	14.09	14.15	14.12	15.5	0.0					
40	QPSK	50	56	14.13	14.11	14.10	15.5	0.0					
40	QPSK	100	0	14.05	14.10	14.02	15.5	0.0					
40	16QAM	1	1	13.97	14.08	14.08	15.5	0.0					
40	16QAM	1	1	14.05	14.04	14.15	15.5	0.0					
40	256QAM	1	1	14.11	14.15	14.04	15.5	0.0					
Channel													
Frequency (MHz)													
30	QPSK	1	1	3565.02	3624.95	3684.93		15.5	0.0				
Channel													
Frequency (MHz)													
20	QPSK	1	1	3573.34	3616.68	3660.00		15.5	0.0				
Channel													
Frequency (MHz)													
15	QPSK	1	1	3580.01	3624.95	3669.99		15.5	0.0				
Channel													
Frequency (MHz)													
10	QPSK	1	1	3578.68	3616.68	3660.00		15.5	0.0				
Channel													
Frequency (MHz)													
10	QPSK	1	1	3587.58	3624.95	3669.99		15.5	0.0				
Channel													
Frequency (MHz)													
10	QPSK	1	1	3579.00	3616.68	3663.32		15.5	0.0				
Channel													
Frequency (MHz)													
10	QPSK	1	1	3587.58	3624.95	3669.99		15.5	0.0				
Channel													
Frequency (MHz)													
10	QPSK	1	1	3579.00	3616.68	3663.32		15.5	0.0				
Channel													
Frequency (MHz)													

Part270 n77 Ant8 Other PA DSI 5										
BW [MHz]	Module ion	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	1/2 BPSK	1	1	14.46	14.34	14.36				
100	1/2 BPSK	1	137	14.40	14.40	14.32	16.0	0.0		
100	1/2 BPSK	1	271	14.37	14.37	14.42				
100	1/2 BPSK	135	0	14.48	14.36	14.37	16.0	0.0		
100	1/2 BPSK	135	69	14.35	14.34	14.42	16.0	0.0		
100	1/2 BPSK	135	138	14.37	14.40	14.37	16.0	0.0		
100	1/2 BPSK	270	0	14.42	14.41	14.34				
100	QPSK	1	1	14.45	14.51	14.41	16.0	0.0		
100	QPSK	1	137	14.28	14.38	14.34				
100	QPSK	1	271	14.41	14.40	14.37				
100	QPSK	135	0	14.40	14.36	14.37	16.0	0.0		
100	QPSK	135	69	14.40	14.48	14.41	16.0	0.0		
100	QPSK	135	138	14.33	14.36	14.40	16.0	0.0		
100	QPSK	270	0	14.43	14.46	14.37	16.0	0.0		
100	16QAM	1	1	14.29	14.44	14.47	16.0	0.0		
100	16QAM	1	1	14.41	14.35	14.44	16.0	0.0		
100	256QAM	1	1	14.38	14.47	14.34	16.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	14.35	14.47	14.32	16.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	14.36	14.41	14.32	16.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	14.40	14.49	14.40	16.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	14.42	14.41	14.31	16.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	14.39	14.49	14.37	16.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	14.34	14.42	14.36	16.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	14.42	14.49	14.36	16.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	14.41	14.42	14.32	16.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	14.40	14.47	14.34	16.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	14.43	14.43	14.32	16.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	14.37	14.48	14.38	16.0	0.0		

Part270 n77 Ant8 Other PA DSI 5 PC2										
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	16.90	16.89	16.91	19.0	0.0		
100	1/2 BPSK	1	137	16.90	16.89	16.88				
100	1/2 BPSK	1	271	16.93	16.92	16.89				
100	1/2 BPSK	135	0	16.90	16.99	16.83	19.0	0.0		
100	1/2 BPSK	135	69	16.94	16.87	16.97	19.0	0.0		
100	1/2 BPSK	135	138	16.93	16.95	16.81	19.0	0.0		
100	1/2 BPSK	270	0	16.92	16.86	16.90	19.0	0.0		
100	QPSK	1	137	16.84	16.82	16.88	19.0	0.0		
100	QPSK	1	271	16.85	16.94	16.98				
100	QPSK	135	0	16.91	16.91	16.87				
100	QPSK	135	69	16.92	17.01	16.92	19.0	0.0		
100	QPSK	135	138	16.98	16.86	16.99	19.0	0.0		
100	QPSK	270	0	16.95	16.97	16.95	19.0	0.0		
100	16QAM	1	1	16.85	16.97	16.92	19.0	0.0		
100	16QAM	1	1	16.89	16.84	16.84	19.0	0.0		
100	256QAM	1	1	16.96	16.84	16.97	19.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	16.97	16.93	16.89	19.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	16.98	17.02	16.91	19.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	16.99	17.01	16.89	19.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	16.90	16.96	16.92	19.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	16.99	17.02	16.85	19.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	16.95	16.97	16.90	19.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	16.97	16.93	16.89	19.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	16.98	17.02	16.91	19.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.01	17.04	16.94	19.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	16.97	16.93	16.89	19.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.90	16.86	16.90	19.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.91	16.98	16.90	19.0	0.0		

Part27Q n77 Ant8 Other PA DSI 5 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				635334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		17.28			
100	1/2 BPSK	1	137		17.49		19.0	0.0
100	1/2 BPSK	1	271		17.37			
100	1/2 BPSK	135	0		17.40		19.0	0.0
100	1/2 BPSK	135	69		17.41		19.0	0.0
100	1/2 BPSK	135	138		17.47		19.0	0.0
100	1/2 BPSK	270	0		17.38			
100	QPSK	1	1		17.59			
100	QPSK	1	137		17.45		19.0	0.0
100	QPSK	1	271		17.40			
100	QPSK	135	0		17.42		19.0	0.0
100	QPSK	135	69		17.53		19.0	0.0
100	QPSK	135	138		17.37		19.0	0.0
100	QPSK	270	0		17.46			
100	16QAM	1	1		17.38		19.0	0.0
100	64QAM	1	1		17.37		19.0	0.0
100	256QAM	1	1		17.42		19.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)
90	QPSK	1	1		17.63	17.48	17.51	19.0 0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3491.02	3500.01	3510	lim	(dB)
80	QPSK	1	1		17.54	17.55	17.52	19.0 0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	lim	(dB)
70	QPSK	1	1		17.54	17.57	17.57	19.0 0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3490	3500.01	3510.02	lim	(dB)
60	QPSK	1	1		17.63	17.58	17.52	19.0 0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3473.02	3500.01	3525	lim	(dB)
50	QPSK	1	1		17.51	17.52	17.55	19.0 0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3520.01	lim	(dB)
40	QPSK	1	1		17.51	17.55	17.57	19.0 0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3466	3500.01	3525.02	lim	(dB)
30	QPSK	1	1		17.54	17.53	17.57	19.0 0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3521.51	lim	(dB)
25	QPSK	1	1		17.51	17.50	17.51	19.0 0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3520	lim	(dB)
20	QPSK	1	1		17.51	17.58	17.50	19.0 0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3459.51	3500.01	3521.59	lim	(dB)
15	QPSK	1	1		17.57	17.54	17.53	19.0 0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3521.51	lim	(dB)
10	QPSK	1	1		17.51	17.50	17.55	19.0 0.0

Part27O n78 Ant8 Other PA DSI 5

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		14.24			
100	1/2 BPSK	1	137		14.38		16.0	0.0
100	1/2 BPSK	1	271		14.31			
100	1/2 BPSK	135	0		14.34		16.0	0.0
100	1/2 BPSK	135	69		14.20		16.0	0.0
100	1/2 BPSK	135	138		14.28		16.0	0.0
100	1/2 BPSK	270	0		14.28			
100	QPSK	1	1		14.41			
100	QPSK	1	137		14.19		16.0	0.0
100	QPSK	1	271		14.36			
100	QPSK	135	0		14.35		16.0	0.0
100	QPSK	135	69		14.38		16.0	0.0
100	QPSK	135	138		14.37		16.0	0.0
100	QPSK	270	0		14.32			
100	16QAM	1	1		14.37		16.0	0.0
100	64QAM	1	1		14.27		16.0	0.0
100	256QAM	1	1		14.35		16.0	0.0
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	lim	(dB)
90	QPSK	1	1		14.39	14.37	14.31	16.0 0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	lim	(dB)
80	QPSK	1	1		14.30	14.30	14.38	16.0 0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	lim	(dB)
70	QPSK	1	1		14.34	14.32	14.35	16.0 0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	lim	(dB)
60	QPSK	1	1		14.39	14.35	14.31	16.0 0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	lim	(dB)
50	QPSK	1	1		14.33	14.31	14.37	16.0 0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	lim	(dB)
40	QPSK	1	1		14.37	14.40	14.35	16.0 0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	lim	(dB)
30	QPSK	1	1		14.40	14.37	14.33	16.0 0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	lim	(dB)
25	QPSK	1	1		14.36	14.39	14.38	16.0 0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	lim	(dB)
20	QPSK	1	1		14.34	14.32	14.35	16.0 0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.53	3750	3792.51	lim	(dB)
15	QPSK	1	1		14.31	14.33	14.39	16.0 0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	lim	(dB)
10	QPSK	1	1		14.32	14.35	14.32	16.0 0.0

Part27O n78 Ant8 Other PA DSI 5 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	1/2 BPSK	1	1		17.22			
100	1/2 BPSK	1	137		17.37		19.0	0.0
100	1/2 BPSK	1	271		17.29			
100	1/2 BPSK	135	0		17.32		19.0	0.0
100	1/2 BPSK	135	69		17.30		19.0	0.0
100	1/2 BPSK	135	138		17.35		19.0	0.0
100	1/2 BPSK	270	0		17.28			
100	QPSK	1	1		17.45			
100	QPSK	1	137		17.37		19.0	0.0
100	QPSK	1	271		17.23			
100	QPSK	135	0		17.34		19.0	0.0
100	QPSK	135	69		17.43		19.0	0.0
100	QPSK	135	138		17.29		19.0	0.0
100	QPSK	270	0		17.37			
100	16QAM	1	1		17.35		19.0	0.0
100	64QAM	1	1		17.26		19.0	0.0
100	256QAM	1	1		17.13		19.0	0.0
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3743.02	3750	3755.01	lim	(dB)
90	QPSK	1	1		17.41	17.38	17.38	19.0 0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	lim	(dB)
80	QPSK	1	1		17.40	17.42	17.38	19.0 0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	lim	(dB)
70	QPSK	1	1		17.40	17.39	17.37	19.0 0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	lim	(dB)
60	QPSK	1	1		17.47	17.41	17.37	19.0 0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	lim	(dB)
50	QPSK	1	1		17.40	17.41	17.36	19.0 0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	lim	(dB)
40	QPSK	1	1		17.43	17.42	17.36	19.0 0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	lim	(dB)
30	QPSK	1	1		17.43	17.43	17.40	19.0 0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	lim	(dB)
25	QPSK	1	1		17.37	17.41	17.41	19.0 0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.01	lim	(dB)
20	QPSK	1	1		17.25	17.41	17.42	19.0 0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.5	3750	3792.51	lim	(dB)
15	QPSK	1	1		17.44	17.42	17.37	19.0 0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	lim	(dB)
10	QPSK	1	1		17.40	17.42	17.39	19.0 0.0



Part27Q n78 Ant8 Other PA DSI 5									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		14.23			16.0	0.0
100	1/2 BPSK	1	137		14.35				
100	1/2 BPSK	1	271		14.32				
100	1/2 BPSK	135	0		14.36			16.0	0.0
100	1/2 BPSK	135	69		14.31			16.0	0.0
100	1/2 BPSK	135	138		14.31			16.0	0.0
100	1/2 BPSK	270	0		14.25			16.0	0.0
100	QPSK	1	1		14.42				
100	QPSK	1	137		14.26			16.0	0.0
100	QPSK	1	271		14.24			16.0	0.0
100	QPSK	135	0		14.24			16.0	0.0
100	QPSK	135	69		14.39			16.0	0.0
100	QPSK	135	138		14.28			16.0	0.0
100	QPSK	270	0		14.35			16.0	0.0
100	16QAM	1	1		14.27			16.0	0.0
100	16QAM	1	1		14.30			16.0	0.0
100	256QAM	1	1		14.35			16.0	0.0
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3485	3500.01	3503.02	limit (dB)		
90	QPSK	1	1	14.32	14.37	14.38	16.0	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	14.33	14.41	14.35	16.0	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3488.01	3500.01	3516.01	limit (dB)		
70	QPSK	1	1	14.31	14.32	14.32	16.0	0.0	
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3490	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	14.30	14.30	14.30	16.0	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	14.30	14.37	14.33	16.0	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	14.33	14.35	14.35	16.0	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	14.38	14.38	14.37	16.0	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	14.34	14.39	14.35	16.0	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.03	3500.01	3540	limit (dB)		
20	QPSK	1	1	14.32	14.31	14.33	16.0	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	14.35	14.38	14.31	16.0	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	14.37	14.33	14.40	16.0	0.0	

Part27Q n78 Ant8 Other PA DSI 5 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		18.20			19.0	0.0
100	1/2 BPSK	1	137		18.37				
100	1/2 BPSK	1	271		18.32				
100	1/2 BPSK	135	0		18.34			19.0	0.0
100	1/2 BPSK	135	69		18.30			19.0	0.0
100	1/2 BPSK	135	138		18.35			19.0	0.0
100	1/2 BPSK	270	0		18.26			19.0	0.0
100	QPSK	1	1		18.40				
100	QPSK	1	137		18.25			19.0	0.0
100	QPSK	1	271		18.24			19.0	0.0
100	QPSK	135	0		18.32			19.0	0.0
100	QPSK	135	69		18.38			19.0	0.0
100	QPSK	135	138		18.34			19.0	0.0
100	QPSK	270	0		18.30			19.0	0.0
100	16QAM	1	1		18.29			19.0	0.0
100	16QAM	1	1		18.26			19.0	0.0
100	256QAM	1	1		18.27			19.0	0.0
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3503.02	limit (dB)		
90	QPSK	1	1	18.37	18.38	18.38	19.0	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	18.30	18.32	18.31	19.0	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	18.30	18.33	18.35	19.0	0.0	
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3490	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	18.33	18.30	18.31	19.0	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	18.39	18.32	18.32	19.0	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	18.39	18.30	18.36	19.0	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	18.34	18.34	18.32	19.0	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	18.32	18.29	18.29	19.0	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	18.32	18.31	18.38	19.0	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	18.31	18.30	18.37	19.0	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	18.32	18.31	18.33	19.0	0.0	



n5 Ant0 DSI6									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	25.07	25.15	25.14			
20	1/2 BPSK	1	53	25.19	25.22	25.16		25.7	
20	1/2 BPSK	1	104	25.20	25.31	25.27			
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5	
20	1/2 BPSK	50	28	25.20	25.27	25.19	25.7	0.0	
20	1/2 BPSK	50	56	24.61	24.66	24.61	25.2	0.5	
20	1/2 BPSK	100	0	24.72	24.81	24.76			
20	QPSK	1	1	25.40	25.42	25.38			
20	QPSK	1	53	25.28	25.38	25.37	25.7	0.0	
20	QPSK	1	104	25.36	25.39	25.32			
20	QPSK	50	0	24.20	24.22	24.19	24.7	1.0	
20	QPSK	50	28	25.17	25.27	25.25	25.7	0.0	
20	QPSK	50	56	24.12	24.18	24.11	24.7	1.0	
20	QPSK	100	0	24.31	24.33	24.23			
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0	
20	64QAM	1	1	22.65	22.67	22.64	23.2	2.5	
20	256QAM	1	1	20.30	20.40	20.33	21.2	4.5	
Channel				168300	167300	168300	Tune-up	MPR	
Frequency (MHz)				831.5	836.5	841.5	limit (dB)		
15	QPSK	1	1	25.39	25.28	25.22	25.7	0.0	
Channel				168800	167300	168800	Tune-up	MPR	
Frequency (MHz)				820	836.5	844	limit (dB)		
10	QPSK	1	1	25.40	25.23	25.30	25.7	0.0	
Channel				168300	167300	168300	Tune-up	MPR	
Frequency (MHz)				826.5	836.5	846.5	limit (dB)		
5	QPSK	1	1	25.33	25.33	25.23	25.7	0.0	

Reduced Power Mode for SA DSI 6

n7 Ant0 Other PA DSI6									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	22.68	22.84	22.71			
40	1/2 BPSK	1	108	22.64	22.82	22.73	23.2	0.0	
40	1/2 BPSK	1	214	22.65	22.77	22.69			
40	1/2 BPSK	108	0	22.80	22.71	22.72	23.2	0.0	
40	1/2 BPSK	108	54	22.77	22.82	22.68	23.2	0.0	
40	1/2 BPSK	108	108	22.63	22.82	22.78	23.2	0.0	
40	1/2 BPSK	216	0	22.67	22.72	22.63			
40	QPSK	1	1	22.70	22.85	22.72			
40	QPSK	1	108	22.63	22.68	22.73	23.2	0.0	
40	QPSK	1	214	22.75	22.77	22.75			
40	QPSK	108	0	22.75	22.74	22.67	23.2	0.0	
40	QPSK	108	54	22.67	22.80	22.75	23.2	0.0	
40	QPSK	108	108	22.76	22.69	22.76	23.2	0.0	
40	QPSK	216	0	22.76	22.70	22.70	23.2	0.0	
40	16QAM	1	1	22.67	22.73	22.68	23.2	0.0	
40	64QAM	1	1	22.76	22.69	22.75	23.2	0.0	
40	256QAM	1	1	20.54	20.68	20.71	21.2	2.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	22.61	22.74	22.63	23.2	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit (dB)		
30	QPSK	1	1	22.67	22.84	22.69	23.2	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	22.67	22.80	22.69	23.2	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	QPSK	1	1	22.63	22.73	22.70	23.2	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	22.61	22.70	22.68	23.2	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit (dB)		
10	QPSK	1	1	22.63	22.70	22.65	23.2	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	22.64	22.62	22.65	23.2	0.0	

n12 Ant0 DSI6									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	1/2 BPSK	1	1	25.10	25.15	25.08			
15	1/2 BPSK	1	40	24.99	25.07	24.99		25.7	
15	1/2 BPSK	1	77	25.04	25.12	25.02			
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5	
15	1/2 BPSK	36	22	25.06	25.11	25.06	25.7	0.0	
15	1/2 BPSK	36	43	24.39	24.45	24.43	25.2	0.5	
15	1/2 BPSK	75	0	24.46	24.54	24.53			
15	QPSK	1	1	25.14	25.17	25.16			
15	QPSK	1	40	24.95	25.02	24.92	25.7	0.0	
15	QPSK	1	77	25.09	25.15	25.09			
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0	
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0	
15	QPSK	36	43	24.61	24.02	24.00	24.7	1.0	
15	QPSK	75	0	23.87	23.96	23.91			
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0	
15	64QAM	1	1	22.42	22.49	22.41	23.2	2.5	
15	256QAM	1	1	20.50	20.52	20.49	21.2	4.5	
Channel				140800	141500	142200	Tune-up	MPR	
Frequency (MHz)				704	707.5	711	limit (dB)		
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0	
Channel				140300	141500	142700	Tune-up	MPR	
Frequency (MHz)				701.5	707.5	713.5	limit (dB)		
5	QPSK	1	1	25.08	25.14	25.14	25.7	0.0	

n26 Ant0 DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	25.16	25.26	25.19		
20	1/2 BPSK	1	53	25.26	25.23	25.23	25.7	0.0
20	1/2 BPSK	1	104	25.26	25.42	25.34		
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5
20	1/2 BPSK	50	28	25.25	25.36	25.27	25.7	0.0
20	1/2 BPSK	50	56	24.72	24.65	24.64		
20	1/2 BPSK	100	0	24.79	24.86	24.84	25.2	0.5
20	QPSK	1	1	25.36	25.44	25.43		
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0
20	QPSK	1	104	25.36	25.37	25.37		
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0
20	QPSK	50	28	25.18	25.37	25.32	25.7	0.0
20	QPSK	50	56	24.17	24.28	24.18	24.7	1.0
20	QPSK	100	0	24.35	24.38	24.34		
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0
20	64QAM	1	1	22.72	22.73	22.66	23.2	2.5
20	256QAM	1	1	20.41	20.42	20.35	21.2	4.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				821.5	831.5	841.5	limit (dB)	
15	QPSK	1	1	23.31	23.43	23.37	23.7	1.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				810	831.5	844	limit (dB)	
10	QPSK	1	1	23.34	23.38	23.33	23.7	1.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	limit (dB)	
5	QPSK	1	1	23.53	23.58	23.52	23.7	1.0

n66 Ant0 DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	18.68	18.59	18.59		
40	1/2 BPSK	1	108	18.65	18.69	18.58	20.2	0.0
40	1/2 BPSK	1	214	18.65	18.64	18.68		
40	1/2 BPSK	108	0	18.65	18.71	18.66	20.2	0.0
40	1/2 BPSK	108	54	18.65	18.63	18.72	20.2	0.0
40	1/2 BPSK	108	108	18.64	18.63	18.55	20.2	0.0
40	1/2 BPSK	216	0	18.70	18.66	18.58		
40	QPSK	1	1	18.70	18.75	18.70		
40	QPSK	1	108	18.62	18.65	18.57	20.2	0.0
40	QPSK	1	214	18.60	18.68	18.63		
40	QPSK	108	0	18.62	18.60	18.61	20.2	0.0
40	QPSK	108	54	18.65	18.73	18.72	20.2	0.0
40	QPSK	108	108	18.65	18.67	18.63	20.2	0.0
40	QPSK	216	0	18.62	18.72	18.55		
40	16QAM	1	1	18.57	18.65	18.66	20.2	0.0
40	64QAM	1	1	18.70	18.65	18.67	20.2	0.0
40	256QAM	1	1	17.40	18.01	17.92	19.7	0.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	
35	QPSK	1	1	22.57	22.57	22.59	20.2	1.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	
30	QPSK	1	1	22.51	22.58	22.62	20.2	1.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	
25	QPSK	1	1	22.51	22.58	22.59	20.2	1.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	
20	QPSK	1	1	22.53	22.60	22.63	20.2	1.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	
15	QPSK	1	1	22.48	22.61	22.67	20.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	
10	QPSK	1	1	22.52	22.66	22.69	20.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	
5	QPSK	1	1	22.57	22.62	22.53	20.2	0.0

n38 Ant0 Other PA DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	24.11	24.33	24.18		
40	1/2 BPSK	1	53	24.28	24.23	24.15	24.7	0.0
40	1/2 BPSK	1	104	24.28	24.27	24.29		
40	1/2 BPSK	50	0	24.22	24.24	24.08	24.7	0.0
40	1/2 BPSK	50	26	24.15	24.31	24.14	24.7	0.0
40	1/2 BPSK	50	56	24.27	24.20	24.15	24.7	0.0
40	1/2 BPSK	100	0	24.20	24.25	24.16		
40	QPSK	1	1	24.32	24.24	24.24		
40	QPSK	1	53	24.23	24.31	24.19	24.7	0.0
40	QPSK	1	104	24.15	24.11	24.27		
40	QPSK	50	0	24.25	24.22	24.24	24.7	0.0
40	QPSK	50	26	24.08	24.25	24.10	24.7	0.0
40	QPSK	50	56	24.17	24.17	24.25	24.7	0.0
40	QPSK	100	0	24.09	24.25	24.17		
40	16QAM	1	1	24.23	24.13	24.11	24.7	0.0
40	64QAM	1	1	23.05	23.07	22.97	23.2	1.5
40	256QAM	1	1	20.94	21.03	21.00	21.2	3.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
30	1/2 BPSK	1	1	24.03	24.23	24.11	24.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
25	1/2 BPSK	1	1	24.04	24.25	24.15	24.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
20	1/2 BPSK	1	1	24.07	24.25	24.13	24.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
15	1/2 BPSK	1	1	24.05	24.32	24.15	24.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
10	1/2 BPSK	1	1	24.02	24.23	24.10	24.7	0.0

n41 Ant0 Other PA DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509022	518598	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	23.71	23.69	23.78		
100	1/2 BPSK	1	137	23.74	23.86	23.75	24.2	0.0
100	1/2 BPSK	1	271	23.76	23.77	23.69		
100	1/2 BPSK	135	0	23.69	23.77	23.78	24.2	0.0
100	1/2 BPSK	135	69	23.84	23.67	23.75	24.2	0.0
100	1/2 BPSK	135	138	23.71	23.81	23.79	24.2	0.0
100	1/2 BPSK	270	0	23.77	23.88	23.83		
100	QPSK	1	1	23.84	23.84	23.76		
100	QPSK	1	137	23.85	23.80	23.76	25.4	0.0
100	QPSK	1	271	23.79	23.84	23.70		
100	QPSK	135	0	23.71	23.76	23.75	24.2	0.0
100	QPSK	135	69	23.86	23.81	23.69	24.2	0.0
100	QPSK	135	138	23.69	23.82	23.69	-24.2	0.0
100	QPSK	270	0	23.70	23.87	23.83		
100	16QAM	1	1	23.72	23.73	23.79	24.2	0.0
100	64QAM	1	1	22.79	22.78	22.86	23.2	1.0
100	256QAM	1	1	20.74	20.79	20.74	21.2	3.0
Channel				508200	518598	528996	Tune-up	MPR
90	1/2 BPSK	1	1	23.60	23.50	23.75	24.2	0.0
Channel				507204	518598	529996	Tune-up	MPR
80	1/2 BPSK	1	1	23.61	23.57	23.67	24.2	0.0
Channel				506202	518598	531000	Tune-up	MPR
70	1/2 BPSK	1	1	23.57	23.50	23.63	24.2	0.0
Channel				505200	518598	531896	Tune-up	MPR
60	1/2 BPSK	1	1	23.66	23.79	23.73	24.2	0.0
Channel				504204	518598	532998	Tune-up	MPR
50	1/2 BPSK	1	1	23.63	23.84	23.77	24.2	0.0
Channel				503202	518598	534000	Tune-up	MPR
40	1/2 BPSK	1	1	23.63	23.86	23.75	24.2	0.0
Channel				502200	518598	534996	Tune-up	MPR
30	1/2 BPSK	1	1	23.61	23.80	23.72	24.2	0.0
Channel				501204	518598	535998	Tune-up	MPR
25	1/2 BPSK	1	1	23.70	23.79	23.75	24.2	0.0
Channel				500700	518598	536496	Tune-up	MPR
20	1/2 BPSK	1	1	23.68	23.85	23.75	24.2	0.0
Channel				500202	518598	537000	Tune-up	MPR
15	1/2 BPSK	1	1	23.65	23.84	23.71	24.2	0.0
Channel				500000	518598	537200	Tune-up	MPR
10	1/2 BPSK	1	1	23.65	23.84	23.71	24.2	0.0

n5 Ant1 DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167600	23.7	0.0
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	23.14	23.03	23.07		
20	1/2 BPSK	1	53	23.00	23.08	22.97		
20	1/2 BPSK	1	104	23.02	23.17	22.95	23.7	0.0
20	1/2 BPSK	50	0	23.04	23.08	23.01		
20	1/2 BPSK	50	28	23.05	23.09	23.07		
20	1/2 BPSK	50	56	23.06	23.11	22.93		
20	1/2 BPSK	100	0	23.13	23.09	22.99	23.7	0.0
20	QPSK	1	1	23.10	23.22	22.95	23.7	0.0
20	QPSK	1	53	23.06	23.17	23.09		
20	QPSK	1	104	23.00	23.12	22.94		
20	QPSK	50	0	22.97	23.04	22.95		
20	QPSK	50	26	23.03	23.21	22.93	23.7	0.0
20	QPSK	50	56	23.13	23.15	23.00	23.7	0.0
20	QPSK	100	0	23.13	23.19	23.07	23.7	0.0
20	16QAM	1	1	23.08	23.19	22.95		
20	16QAM	1	1	22.96	22.53	22.46		
20	256QAM	1	1	20.96	20.62	20.58		
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	22.99	23.21	22.92	23.7	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				820	836.5	844	limit	(dB)
10	QPSK	1	1	23.04	23.15	22.91	23.7	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	23.04	23.13	22.94	23.7	0.0

n7 Ant1 Other PA DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	23.7	0.0
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	23.14	23.24	23.03		
40	1/2 BPSK	1	108	23.08	23.07	23.06		
40	1/2 BPSK	1	214	23.14	23.23	23.13	23.7	0.0
40	1/2 BPSK	108	0	23.12	23.22	23.06		
40	1/2 BPSK	108	54	23.10	23.19	23.17		
40	1/2 BPSK	108	108	23.08	23.10	23.01		
40	1/2 BPSK	216	0	23.12	23.16	23.02	23.7	0.0
40	QPSK	1	1	23.16	23.25	23.09	23.7	0.0
40	QPSK	1	108	23.13	23.14	23.04		
40	QPSK	1	214	23.09	23.19	23.06		
40	QPSK	108	0	23.16	23.09	23.09		
40	QPSK	108	54	23.15	23.22	23.01	23.7	0.0
40	QPSK	108	108	23.18	23.14	23.07	23.7	0.0
40	QPSK	216	0	23.21	23.23	23.13	23.7	0.0
40	16QAM	1	1	23.12	23.10	23.14		
40	16QAM	1	1	22.98	22.58	22.54		
40	256QAM	1	1	20.69	20.58	20.55		
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	23.03	23.21	23.01	23.7	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	23.12	23.21	22.99	23.7	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	23.10	23.22	23.04	23.7	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	QPSK	1	1	23.03	23.19	23.05	23.7	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	23.14	23.20	23.03	23.7	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2500	2535	2565	limit	(dB)
10	QPSK	1	1	23.11	23.18	23.06	23.7	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2492.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	23.06	23.18	23.02	23.7	0.0

n12 Ant1 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				141300	141500	141700	25.7	0.0		
Frequency (MHz)				706.5	707.5	708.5				
15	1/2 BPSK	1	1	24.92	24.98	24.95			25.2	0.5
15	1/2 BPSK	1	40	24.85	24.91	24.81				
15	1/2 BPSK	1	77	24.85	24.90	24.83				
15	1/2 BPSK	36	0	24.27	24.37	24.36				
15	1/2 BPSK	36	22	24.81	24.87	24.76	25.7	0.0		
15	1/2 BPSK	36	43	24.27	24.30	24.28	25.2	0.5		
15	1/2 BPSK	75	0	24.31	24.37	24.29	25.2	0.5		
15	QPSK	1	1	24.91	25.01	25.00	25.7	0.0		
15	QPSK	1	40	24.92	24.95	24.92				
15	QPSK	1	77	24.83	24.85	24.85				
15	QPSK	36	0	23.91	23.94	23.84				
15	QPSK	36	22	24.88	24.92	24.84	25.7	0.0		
15	QPSK	36	43	23.72	23.80	23.70	24.7	1.0		
15	QPSK	75	0	23.84	23.91	23.81	24.7	1.0		
15	16QAM	1	1	23.89	23.85	23.86				
15	16QAM	1	1	22.25	22.32	22.29				
15	256QAM	1	1	20.36	20.37	20.35				
Channel				140800	141500	142200	Tune-up	MPR		
Frequency (MHz)				704	706.5	711	limit	(dB)		
10	QPSK	1	1	24.94	24.92	24.89	25.7	0.0		
Channel				140300	141500	142700	Tune-up	MPR		
Frequency (MHz)				701.5	707.5	713.5	limit	(dB)		
5	QPSK	1	1	24.92	24.95	24.97	25.7	0.0		

n26 Ant1 DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	23.18	23.12	23.12	23.7	0.0
20	1/2 BPSK	1	53	23.07	23.16	23.01		
20	1/2 BPSK	1	104	23.12	23.16	23.04		
20	1/2 BPSK	50	0	23.10	23.11	23.04		
20	1/2 BPSK	50	26	23.15	23.12	23.14	23.7	0.0
20	1/2 BPSK	50	56	23.08	23.13	22.98	23.7	0.0
20	1/2 BPSK	100	0	23.20	23.16	23.05		
20	QPSK	1	1	23.12	23.30	23.00		
20	QPSK	1	53	23.10	23.26	23.11		
20	QPSK	1	104	23.01	23.19	23.02	23.7	0.0
20	QPSK	50	0	23.01	23.05	22.97	23.7	0.0
20	QPSK	50	26	23.08	23.26	23.04		
20	QPSK	50	56	23.18	23.21	23.10		
20	QPSK	100	0	23.15	23.25	23.15		
20	16QAM	1	1	23.14	23.26	23.03	23.7	0.0
20	64QAM	1	1	22.80	22.89	22.86	23.2	0.5
20	256QAM	1	1	20.38	20.54	20.44	21.2	2.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				821.5	831.5	841.5	limit (dB)	(dB)
15	QPSK	1	1	23.04	23.27	22.90	23.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				810	831.5	844	limit (dB)	(dB)
10	QPSK	1	1	23.05	23.21	22.98	23.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	limit (dB)	(dB)
5	QPSK	1	1	23.05	23.27	22.92	23.7	0.0

n66 Ant1 DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	19.08	19.07	18.99	20.5	0.0
40	1/2 BPSK	1	108	19.06	19.15	19.01		
40	1/2 BPSK	1	214	18.99	19.10	19.01		
40	1/2 BPSK	108	0	19.10	19.02	19.00		
40	1/2 BPSK	108	54	19.09	19.08	18.99	20.5	0.0
40	1/2 BPSK	108	108	19.13	19.03	18.93	20.5	0.0
40	1/2 BPSK	216	0	18.97	18.14	18.98		
40	QPSK	1	1	19.01	19.21	18.95		
40	QPSK	1	108	19.04	19.00	18.88	20.5	0.0
40	QPSK	1	214	19.12	18.11	19.04	20.5	0.0
40	QPSK	108	0	19.03	19.09	18.92		
40	QPSK	108	54	19.07	19.15	19.03		
40	QPSK	108	108	19.10	19.06	18.95		
40	QPSK	216	0	19.13	19.14	18.97	20.5	0.0
40	16QAM	1	1	18.88	19.00	18.87	20.5	0.0
40	64QAM	1	1	19.04	19.06	19.02	20.5	0.0
40	256QAM	1	1	17.66	17.73	17.66	19.0	1.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	(dB)
35	QPSK	1	1	19.89	19.15	19.85	20.5	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	(dB)
30	QPSK	1	1	19.97	19.13	19.93	20.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	(dB)
25	QPSK	1	1	19.94	19.15	19.93	20.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	(dB)
20	QPSK	1	1	19.91	19.12	19.94	20.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	(dB)
15	QPSK	1	1	19.86	19.19	19.87	20.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	(dB)
10	QPSK	1	1	19.84	19.17	19.80	20.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	(dB)
5	QPSK	1	1	19.84	19.10	19.85	20.5	0.0



n38 Ant1 Other PA DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	1/2 BPSK	1	1	2590.02	2595	2599.98				
40	1/2 BPSK	1	53	20.87	20.84	20.76	21.2	0.0		
40	1/2 BPSK	1	104	20.82	20.77	20.78				
40	1/2 BPSK	50	0	20.81	20.85	20.77	21.2	0.0		
40	1/2 BPSK	50	28	20.83	20.88	20.86	21.2	0.0		
40	1/2 BPSK	50	56	20.82	20.80	20.77	21.2	0.0		
40	1/2 BPSK	100	0	20.84	20.86	20.74	21.2	0.0		
40	QPSK	1	1	20.85	20.85	20.83				
40	QPSK	1	53	20.71	20.74	20.74	21.2	0.0		
40	QPSK	1	104	20.74	20.83	20.86				
40	QPSK	50	0	20.81	20.82	20.71	21.2	0.0		
40	QPSK	50	28	20.81	20.80	20.84	21.2	0.0		
40	QPSK	50	56	20.85	20.79	20.82	21.2	0.0		
40	QPSK	100	0	20.82	20.82	20.70				
40	16QAM	1	1	20.74	20.77	20.85	21.2	0.0		
40	16QAM	1	1	20.87	20.74	20.83	21.2	0.0		
40	256QAM	1	1	20.74	20.83	20.82	21.2	0.0		
Channel										
30	1/2 BPSK	1	1	617002	619000	620998	Tune-up	MPR		
				2535.01	2535	2534.92	limit (dB)			
				20.76	20.82	20.68				
Channel										
25	1/2 BPSK	1	1	616804	619000	621498	Tune-up	MPR		
				2532.52	2535	2537.43	limit (dB)			
				20.60	20.84	20.72	21.2	0.0		
Channel										
20	1/2 BPSK	1	1	616000	619000	622000	Tune-up	MPR		
				2530	2535	2510	limit (dB)			
				20.76	20.83	20.71	21.2	0.0		
Channel										
15	1/2 BPSK	1	1	615802	619000	622498	Tune-up	MPR		
				2517.51	2535	2512.49	limit (dB)			
				20.73	20.80	20.71	21.2	0.0		
Channel										
10	1/2 BPSK	1	1	615004	619000	622998	Tune-up	MPR		
				2512.02	2535	2514.95	limit (dB)			
				20.79	20.84	20.70	21.2	0.0		

n41 Ant1 Other PA DSI6										
BW [MHz]	Modulat ion	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)										
				2546.01	2592.99	2640				
100	1/2 BPSK	1	1	21.30	21.30	21.17				
100	1/2 BPSK	1	137	21.28	21.32	21.37	22.2	0.0		
100	1/2 BPSK	1	271	21.25	21.38	21.32				
100	1/2 BPSK	135	0	21.43	21.30	21.12	22.2	0.0		
100	1/2 BPSK	135	69	21.32	21.24	21.13	22.2	0.0		
100	1/2 BPSK	135	138	21.37	21.30	21.25	22.2	0.0		
100	1/2 BPSK	270	0	21.28	21.20	21.37				
100	QPSK	1	1	21.31	20.68	21.20				
100	QPSK	1	137	21.29	21.45	21.21	22.2	0.0		
100	QPSK	1	271	21.11	21.27	21.37				
100	QPSK	135	0	21.34	21.31	21.38	22.2	0.0		
100	QPSK	135	69	21.28	21.42	21.28	22.2	0.0		
100	QPSK	135	138	21.28	21.31	21.36	22.2	0.0		
100	QPSK	270	0	21.17	21.40	21.25				
100	16QAM	1	1	21.28	21.20	21.33	22.2	0.0		
100	64QAM	1	1	21.30	21.25	21.31	22.2	0.0		
100	256QAM	1	1	21.28	21.27	21.40	22.2	0.0		
Channel										
90	QPSK	1	1	508200	618598	628998	Tune-up	MPR		
				2541	2552.99	2644.98	limit (dB)			
				21.26	21.44	21.17	22.2	0.0		
Channel										
80	QPSK	1	1	507204	618598	629998	Tune-up	MPR		
				2536.02	2552.99	2643.99	limit (dB)			
				21.27	21.38	21.15	22.2	0.0		
Channel										
70	QPSK	1	1	506202	618598	631000	Tune-up	MPR		
				2531.01	2552.99	2635	limit (dB)			
				21.24	21.42	21.15	22.2	0.0		
Channel										
60	QPSK	1	1	505200	618598	631998	Tune-up	MPR		
				2526	2552.99	2638.98	limit (dB)			
				21.23	21.42	21.18	22.2	0.0		
Channel										
50	QPSK	1	1	504204	618598	632998	Tune-up	MPR		
				2517.02	2552.99	2643.99	limit (dB)			
				21.21	21.44	21.11	22.2	0.0		
Channel										
40	QPSK	1	1	503202	618598	634000	Tune-up	MPR		
				2516.01	2552.99	2630	limit (dB)			
				21.25	21.35	21.14	22.2	0.0		
Channel										
30	QPSK	1	1	502200	618598	634998	Tune-up	MPR		
				2511	2552.99	2614.98	limit (dB)			
				21.22	21.43	21.16	22.2	0.0		
Channel										
25	QPSK	1	1	502200	618598	634998	Tune-up	MPR		
				2506.02	2552.99	2610.98	limit (dB)			
				21.25	21.39	21.17	22.2	0.0		
Channel										
20	QPSK	1	1	501204	618598	635998	Tune-up	MPR		
				2501.02	2552.99	2600.98	limit (dB)			
				21.30	21.41	21.15	22.2	0.0		
Channel										
15	QPSK	1	1	500700	618598	636498	Tune-up	MPR		
				2500.95	2552.99	2599.48	limit (dB)			
				21.24	21.40	21.13	22.2	0.0		
Channel										
10	QPSK	1	1	500202	618598	637000	Tune-up	MPR		
				2501.01	2552.99		limit (dB)			
				21.28	21.40	21.14	22.2	0.0		

Part96 n48 Ant1 DSI6										
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR		
Channel										
Channel				Frequency (MHz)						
				3570	3624.99	3679.98				
40	1/2 BPSK	1	1	22.00	22.11	22.00				
40	1/2 BPSK	1	53	22.01	22.06	22.00	23.8	0.0		
40	1/2 BPSK	1	104	22.02	22.06	22.00				
40	1/2 BPSK	50	0	21.73	21.77	21.69	23.3	0.5		
40	1/2 BPSK	50	28	21.82	21.88	21.81	23.8	0.0		
40	1/2 BPSK	50	56	21.69	21.77	21.69	23.3	0.5		
40	1/2 BPSK	100	0	21.67	21.74	21.70				
40	QPSK	1	1	22.23	22.27	22.25				
40	QPSK	1	53	21.97	22.07	21.96	23.8	0.0		
40	QPSK	1	104	21.96	22.04	21.98				
40	QPSK	50	0	21.15	21.25	21.23	22.8	1.0		
40	QPSK	50	28	22.18	22.22	22.15	23.8	0.0		
40	QPSK	50	56	21.22	21.24	21.18	22.8	1.0		
40	QPSK	100	0	21.19	21.25	21.16				
40	16QAM	1	1	21.08	21.12	21.01	22.8	1.0		
40	64QAM	1	1	19.59	19.63	19.58	21.3	2.5		
40	25QAM	1	1	17.56	17.62	17.59	19.3	4.5		
40	16QAM	1	1	17.56	17.62	17.59	19.3	4.5		
Channel				Frequency (MHz)						
30	QPSK	1	1	3575.02	3624.99	3684.99				
30	QPSK	1	53	22.15	22.23	22.15	23.8	0.0		
30	QPSK	1	104	22.16	22.23	22.15				
Channel				Frequency (MHz)						
20	QPSK	1	1	3560.01	3624.99	3680				
20	QPSK	1	53	22.23	22.27	22.25	23.8	0.0		
20	QPSK	1	104	22.24	22.27	22.25				
Channel				Frequency (MHz)						
15	QPSK	1	1	3571.08	3624.99	3679.98				
15	QPSK	1	53	22.21	22.23	22.21	23.8	0.0		
15	QPSK	1	104	22.22	22.23	22.21				
Channel				Frequency (MHz)						
10	QPSK	1	1	3570.00	3624.99	3683.98				
10	QPSK	1	53	22.16	22.23	22.16	23.8	0.0		
10	QPSK	1	104	22.17	22.23	22.16				

Part270 n78 Ant1 Other PA DSI6 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		21.54			
100	1/2 BPSK	1	137		21.48			22.5
100	1/2 BPSK	1	271		21.57			0.0
100	1/2 BPSK	135	0		21.41			22.5
100	1/2 BPSK	135	69		21.59			0.0
100	1/2 BPSK	135	138		21.51			22.5
100	1/2 BPSK	270	0		21.44			0.0
100	QPSK	1	1		21.61			
100	QPSK	1	137		21.44			22.5
100	QPSK	1	271		21.50			0.0
100	QPSK	135	0		21.54			22.5
100	QPSK	135	69		21.55			0.0
100	QPSK	135	138		21.53			22.5
100	QPSK	270	0		21.44			0.0
100	16QAM	1	1		21.33			22.5
100	16QAM	1	1		21.41			0.0
100	256QAM	1	1		21.53			22.5
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)	(dB)
90	QPSK	1	1				22.5	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)	(dB)
80	QPSK	1	1				22.5	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)					3735	3750	3765	limit (dB)
70	QPSK	1	1				22.5	0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)	(dB)
60	QPSK	1	1				22.5	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)	(dB)
50	QPSK	1	1				22.5	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)					3720	3750	3780	limit (dB)
40	QPSK	1	1				22.5	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)	(dB)
30	QPSK	1	1				22.5	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)	(dB)
25	QPSK	1	1				22.5	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.91	3750	3790.92	limit (dB)	(dB)
20	QPSK	1	1				22.5	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit (dB)	(dB)
15	QPSK	1	1				22.5	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit (dB)	(dB)
10	QPSK	1	1				22.5	0.0

Part27Q n78 Ant1 Other PA DSI6

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		18.94			
100	1/2 BPSK	1	137		18.87			19.5
100	1/2 BPSK	1	271		18.93			0.0
100	1/2 BPSK	135	0		18.92			19.5
100	1/2 BPSK	135	69		18.94			0.0
100	1/2 BPSK	135	138		18.96			19.5
100	1/2 BPSK	270	0		18.95			0.0
100	QPSK	1	1		18.98			
100	QPSK	1	137		18.83			19.5
100	QPSK	1	271		18.83			0.0
100	QPSK	135	0		18.84			19.5
100	QPSK	135	69		18.91			0.0
100	QPSK	135	138		18.90			19.5
100	QPSK	270	0		18.85			0.0
100	16QAM	1	1		18.92			19.5
100	16QAM	1	1		18.84			0.0
100	256QAM	1	1		18.92			19.5
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3485	3500.01	3505.02	limit (dB)	(dB)
90	QPSK	1	1				19.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3480.02	3500.01	3510	limit (dB)	(dB)
80	QPSK	1	1				19.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	(dB)
70	QPSK	1	1				19.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	(dB)
60	QPSK	1	1				19.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)	(dB)
50	QPSK	1	1				19.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	(dB)
40	QPSK	1	1				19.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	(dB)
30	QPSK	1	1				19.5	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	(dB)
25	QPSK	1	1				19.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)	(dB)
20	QPSK	1	1				19.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	(dB)
15	QPSK	1	1				19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	(dB)
10	QPSK	1	1				19.5	0.0

Part27Q n78 Ant1 Other PA DSI6 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		21.91			
100	1/2 BPSK	1	137		21.78			22.5
100	1/2 BPSK	1	271		22.01			0.0
100	1/2 BPSK	135	0		21.96			22.5
100	1/2 BPSK	135	69		21.90			0.0
100	1/2 BPSK	135	138		21.97			22.5
100	1/2 BPSK	270	0		21.88			0.0
100	QPSK	1	1		22.05			
100	QPSK	1	137		21.92			22.5
100	QPSK	1	271		21.83			0.0
100	QPSK	135	0		21.90			22.5
100	QPSK	135	69		21.95			0.0
100	QPSK	135	138		21.84			22.5
100	QPSK	270	0		21.94			0.0
100	16QAM	1	1		21.88			22.5
100	16QAM	1	1		21.89			0.0
100	256QAM	1	1		21.98			22.5
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3485	3500.01	3505.02	limit (dB)	(dB)
90	QPSK	1	1				19.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3480.02	3500.01	3510	limit (dB)	(dB)
80	QPSK	1	1				19.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	(dB)
70	QPSK	1	1				19.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	(dB)
60	QPSK	1	1				19.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)	(dB)
50	QPSK	1	1				19.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	(dB)
40	QPSK	1	1				19.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	(dB)
30	QPSK	1	1				19.5	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	(dB)
25	QPSK	1	1				19.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)	(dB)
20	QPSK	1	1				19.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	(dB)
15	QPSK	1	1				19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	(dB)

n2 Ant5 DSI6									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				373500	376000	378500			
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	21.35	21.29	21.42	22.3	0.0	
40	1/2 BPSK	1	108	21.35	21.42	21.39			
40	1/2 BPSK	1	214	21.36	21.43	21.49			
40	1/2 BPSK	108	0	21.50	21.32	21.28			
40	1/2 BPSK	108	54	21.32	21.41	21.34	22.3	0.0	
40	1/2 BPSK	108	108	21.42	21.32	21.26	22.3	0.0	
40	1/2 BPSK	216	0	21.47	21.27	21.35	22.3	0.0	
40	QPSK	1	1	21.39	21.52	21.34			
40	QPSK	1	108	21.50	21.49	21.41	22.3	0.0	
40	QPSK	1	214	21.31	21.29	21.45			
40	QPSK	108	0	21.38	21.35	21.41	22.3	0.0	
40	QPSK	108	54	21.31	21.49	21.38	22.3	0.0	
40	QPSK	108	108	21.36	21.46	21.40	22.3	0.0	
40	QPSK	216	0	21.27	21.51	21.46	22.3	0.0	
40	16QAM	1	1	21.43	21.33	21.32	22.3	0.0	
40	16QAM	1	1	21.41	21.33	21.33	22.3	0.0	
40	256QAM	1	1	19.92	19.61	19.51	20.8	1.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)		
35	QPSK	1	1	21.31	21.47	21.31	22.3	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	limit (dB)		
30	QPSK	1	1	21.32	21.46	21.27	22.3	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	limit (dB)		
25	QPSK	1	1	21.32	21.43	21.24	22.3	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	limit (dB)		
20	QPSK	1	1	21.36	21.41	21.24	22.3	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	limit (dB)		
15	QPSK	1	1	21.29	21.43	21.30	22.3	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	limit (dB)		
10	QPSK	1	1	21.30	21.45	21.27	22.3	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	limit (dB)		
5	QPSK	1	1	21.35	21.41	21.31	22.3	0.0	

n7 Ant5 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	18.69	18.81	18.81	19.2	0.0	
40	1/2 BPSK	1	108	18.76	18.79	18.70			
40	1/2 BPSK	1	214	18.73	18.71	18.71			
40	1/2 BPSK	108	0	18.74	18.75	18.84			
40	1/2 BPSK	108	54	18.65	18.72	18.79	19.2	0.0	
40	1/2 BPSK	108	108	18.65	18.83	18.72	19.2	0.0	
40	1/2 BPSK	216	0	18.79	18.80	18.74	19.2	0.0	
40	QPSK	1	1	18.72	18.89	18.71			
40	QPSK	1	108	18.74	18.72	18.70	19.2	0.0	
40	QPSK	1	214	18.65	18.69	18.76			
40	QPSK	108	0	18.70	18.82	18.73	19.2	0.0	
40	QPSK	108	54	18.79	18.83	18.74	19.2	0.0	
40	QPSK	108	108	18.77	18.73	18.71	19.2	0.0	
40	QPSK	216	0	18.75	18.86	18.71	19.2	0.0	
40	16QAM	1	1	18.72	18.83	18.77	19.2	0.0	
40	16QAM	1	1	18.68	18.84	18.77	19.2	0.0	
40	256QAM	1	1	16.66	16.79	16.66	19.2	0.0	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	18.70	18.82	18.82	19.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	limit (dB)		
30	QPSK	1	1	18.70	18.78	18.80	19.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	18.65	18.83	18.69	19.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	1/2 BPSK	1	1	18.67	18.85	18.63	19.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	18.67	18.80	18.69	19.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	limit (dB)		
10	QPSK	1	1	18.69	18.78	18.80	19.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	18.71	18.82	18.63	19.2	0.0	

n66 Ant5 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	22.04	22.16	22.13	22.7	0.0	
40	1/2 BPSK	1	108	22.03	22.13	22.08			
40	1/2 BPSK	1	214	22.11	22.12	22.00			
40	1/2 BPSK	108	0	22.01	22.23	22.09			
40	1/2 BPSK	108	54	22.08	22.19	22.08	22.7	0.0	
40	1/2 BPSK	108	108	22.01	22.13	22.02	22.7	0.0	
40	1/2 BPSK	216	0	21.88	22.17	22.01	22.7	0.0	
40	QPSK	1	1	22.01	22.26	22.00			
40	QPSK	1	108	22.05	22.13	22.00	22.7	0.0	
40	QPSK	1	214	22.06	22.12	22.06			
40	QPSK	108	0	22.00	22.21	22.08	22.7	0.0	
40	QPSK	108	54	22.04	22.22	22.12	22.7	0.0	
40	QPSK	108	108	22.12	22.10	22.07	22.7	0.0	
40	QPSK	216	0	22.13	22.15	22.11	22.7	0.0	
40	16QAM	1	1	22.05	22.08	22.05	22.7	0.0	
40	16QAM	1	1	21.97	22.12	22.02	22.7	0.0	
40	256QAM	1	1	20.51	20.72	20.47	21.2	1.5	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)		
35	QPSK	1	1	21.98	22.20	21.92	22.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	limit (dB)		
30	QPSK	1	1	21.91	22.16	21.85	22.7	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	QPSK	1	1	21.99	22.17	21.90	22.7	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	21.94	22.15	21.92	22.7	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)		
15	QPSK	1	1	21.91	22.15	21.96	22.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	limit (dB)		
10	QPSK	1	1	21.91	22.22	21.97	22.7	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)		
5	QPSK	1	1	21.95	22.24	21.96	22.7	0.0	

n38 Ant5 DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	18.92	19.04	18.98	19.7	0.0
40	1/2 BPSK	1	53	18.90	19.05	18.92	19.7	0.0
40	1/2 BPSK	1	104	18.99	19.07	19.03	19.7	0.0
40	1/2 BPSK	50	0	18.94	19.13	18.91	19.7	0.0
40	1/2 BPSK	50	26	18.99	19.09	18.91	19.7	0.0
40	1/2 BPSK	50	56	18.94	19.12	19.03	19.7	0.0
40	1/2 BPSK	100	0	19.01	19.00	18.92	19.7	0.0
40	QPSK	1	1	19.03	19.15	19.05	19.7	0.0
40	QPSK	1	53	18.90	19.03	18.95	19.7	0.0
40	QPSK	1	104	18.99	18.98	19.00	19.7	0.0
40	QPSK	50	0	18.98	19.11	18.91	19.7	0.0
40	QPSK	50	26	18.91	19.12	18.99	19.7	0.0
40	QPSK	50	56	18.94	19.02	19.02	19.7	0.0
40	QPSK	100	0	19.05	19.09	19.00	19.7	0.0
40	16QAM	1	1	18.95	19.01	18.89	19.7	0.0
40	16QAM	1	1	18.94	19.00	19.01	19.7	0.0
40	256QAM	1	1	18.92	19.03	19.02	19.7	0.0
Channel				517002	519000	520998	Tune-up	MPR
Frequency (MHz)				2583.01	2595	2604.99	limit (dB)	
30	QPSK	1	1	19.08	19.06	19.00	19.7	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2592.52	2595	2607.48	limit (dB)	
25	QPSK	1	1	19.02	19.12	19.01	19.7	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2590	2595	2610	limit (dB)	
20	QPSK	1	1	19.01	19.06	19.00	19.7	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)	
15	QPSK	1	1	19.01	19.05	19.01	19.7	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit (dB)	
10	QPSK	1	1	18.94	19.07	19.01	19.7	0.0

n41 Ant5 DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	520000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	19.48	19.60	19.60		
100	1/2 BPSK	1	137	19.63	19.52	19.52	20.2	0.0
100	1/2 BPSK	1	271	19.59	19.65	19.47		
100	1/2 BPSK	135	0	19.59	19.50	19.59	20.2	0.0
100	1/2 BPSK	135	69	19.60	19.60	19.60	20.2	0.0
100	1/2 BPSK	135	138	19.53	19.56	19.54	20.2	0.0
100	1/2 BPSK	270	0	19.60	19.65	19.49		
100	QPSK	1	1	19.62	19.69	19.48		
100	QPSK	1	137	19.54	19.53	19.48	20.2	0.0
100	QPSK	1	271	19.59	19.64	19.45		
100	QPSK	135	0	19.58	19.62	19.56	20.2	0.0
100	QPSK	135	69	19.54	19.65	19.45	20.2	0.0
100	QPSK	135	138	19.48	19.58	19.57		
100	QPSK	270	0	19.55	19.58	19.43	20.2	0.0
100	16QAM	1	1	19.51	19.54	19.50	20.2	0.0
100	16QAM	1	1	19.64	19.60	19.50	20.2	0.0
100	256QAM	1	1	19.64	19.56	19.47	20.2	0.0
Channel				508200	518998	520996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2602.99	2647.98		
90	QPSK	1	1	19.60	19.67	19.44	20.2	0.0
Channel				507204	518998	520996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2602.99	2648.99		
80	QPSK	1	1	19.51	19.67	19.41	20.2	0.0
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2602.99	2655		
70	QPSK	1	1	19.55	19.67	19.43	20.2	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2602.99	2659.98		
60	QPSK	1	1	19.60	19.64	19.41	20.2	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.02	2602.99	2664.99		
50	QPSK	1	1	19.58	19.63	19.39	20.2	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616.01	2602.99	2670		
40	QPSK	1	1	19.53	19.58	19.41	20.2	0.0
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2602.99	2674.98		
30	QPSK	1	1	19.52	19.67	19.39	20.2	0.0
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2602.99	2674.98		
25	QPSK	1	1	19.59	19.69	19.38	20.2	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2606.02	2602.99	2679.99		
20	QPSK	1	1	19.52	19.69	19.45	20.2	0.0
Channel				500700	518998	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2601.5	2602.99	2683.48		
15	QPSK	1	1	19.56	19.59	19.38	20.2	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2601.01	2602.99	2684		
10	QPSK	1	1	19.57	19.67	19.38	20.2	0.0

n2 Ant6 DSI6												
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				1870	1880	1890						
Frequency (MHz)												
40	1/2 BPSK	1	1	22.72	22.76	22.70	24.2	0.0				
40	1/2 BPSK	1	108	22.66	22.81	22.78						
40	1/2 BPSK	1	214	22.79	22.78	22.74						
40	1/2 BPSK	108	0	22.74	22.83	22.72	24.2	0.0				
40	1/2 BPSK	108	54	22.70	22.81	22.68	24.2	0.0				
40	1/2 BPSK	108	108	22.79	22.78	22.71	24.2	0.0				
40	1/2 BPSK	216	0	22.77	22.74	22.82						
40	QPSK	1	1	22.76	22.85	22.73						
40	QPSK	1	108	22.70	22.82	22.73	24.2	0.0				
40	QPSK	1	214	22.68	22.79	22.84						
40	QPSK	108	0	22.78	22.73	22.75	24.2	0.0				
40	QPSK	108	54	22.79	22.91	22.75	24.2	0.0				
40	QPSK	108	108	22.77	22.88	22.77	24.2	0.0				
40	QPSK	216	0	22.80	22.83	22.71						
40	16QAM	1	1	22.75	22.72	22.72	24.2	0.0				
40	16QAM	1	1	21.17	21.37	21.21	22.7	1.5				
40	256QAM	1	1	20.38	20.44	20.42	20.7	3.5				
Channel				373500	376000	378500	Tune-up MPR					
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)					
35	QPSK	1	1	22.72	22.94	22.70	24.2	0.0				
Channel				373000	376000	379000	Tune-up MPR					
Frequency (MHz)				1865	1880	1895	limit (dB)					
30	QPSK	1	1	22.71	22.92	22.63	24.2	0.0				
Channel				372500	376000	379500	Tune-up MPR					
Frequency (MHz)				1862.5	1880	1897.5	limit (dB)					
25	QPSK	1	1	22.74	22.92	22.67	24.2	0.0				
Channel				372000	376000	380000	Tune-up MPR					
Frequency (MHz)				1860	1880	1900	limit (dB)					
20	QPSK	1	1	22.68	22.86	22.67	24.2	0.0				
Channel				371500	376000	380500	Tune-up MPR					
Frequency (MHz)				1857.5	1880	1902.5	limit (dB)					
15	QPSK	1	1	22.72	22.87	22.64	24.2	0.0				
Channel				371000	376000	381000	Tune-up MPR					
Frequency (MHz)				1855	1880	1905	limit (dB)					
10	QPSK	1	1	22.75	22.93	22.64	24.2	0.0				
Channel				370500	376000	381500	Tune-up MPR					
Frequency (MHz)				1852.5	1880	1907.5	limit (dB)					
5	QPSK	1	1	22.65	22.86	22.68	24.2	0.0				

n7 Ant6 DSI6												
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				504000	507000	510000						
Frequency (MHz)				2520	2535	2550						
40	1/2 BPSK	1	1	20.91	20.89	20.96	21.7	0.0				
40	1/2 BPSK	1	108	21.02	20.99	20.97						
40	1/2 BPSK	1	214	20.99	21.03	20.95						
40	1/2 BPSK	108	0	21.11	20.95	20.82	21.7	0.0				
40	1/2 BPSK	108	54	20.98	21.00	20.93	21.7	0.0				
40	1/2 BPSK	108	108	21.01	20.97	20.97	21.7	0.0				
40	1/2 BPSK	216	0	21.05	20.91	20.95						
40	QPSK	1	1	21.01	21.14	21.04						
40	QPSK	1	108	21.05	20.99	20.89	21.7	0.0				
40	QPSK	1	214	20.88	21.01	21.00						
40	QPSK	108	0	20.94	21.05	20.94	21.7	0.0				
40	QPSK	108	54	20.88	21.12	21.00	21.7	0.0				
40	QPSK	108	108	20.99	20.98	21.07	21.7	0.0				
40	QPSK	216	0	20.90	21.11	20.95						
40	16QAM	1	1	20.93	20.95	20.97	21.7	0.0				
40	16QAM	1	1	21.04	20.91	20.88	21.7	0.0				
40	256QAM	1	1	20.01	20.08	19.99	21.2	0.5				
Channel				503500	507000	510500	Tune-up MPR					
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)					
35	QPSK	1	1	20.99	21.09	21.03	21.7	0.0				
Channel				503000	507000	511000	Tune-up MPR					
Frequency (MHz)				2515	2535	2555	limit (dB)					
30	QPSK	1	1	20.97	21.08	20.97	21.7	0.0				
Channel				502500	507000	511500	Tune-up MPR					
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)					
25	QPSK	1	1	20.99	21.04	20.95	21.7	0.0				
Channel				502000	507000	512000	Tune-up MPR					
Frequency (MHz)				2510	2535	2560	limit (dB)					
20	1/2 BPSK	1	1	20.92	21.03	21.01	21.7	0.0				
Channel				501500	507000	512500	Tune-up MPR					
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)					
15	QPSK	1	1	20.97	21.10	20.94	21.7	0.0				
Channel				501000	507000	513000	Tune-up MPR					
Frequency (MHz)				2505	2535	2565	limit (dB)					
10	QPSK	1	1	20.95	21.10	20.97	21.7	0.0				
Channel				500500	507000	513500	Tune-up MPR					
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)					
5	QPSK	1	1	20.93	21.12	21.00	21.7	0.0				

n66 Ant6 DSI6												
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				346000	349000	352000						
Frequency (MHz)				1730	1745	1760						
40	1/2 BPSK	1	1	21.65	21.65	21.64	23.2	0.0				
40	1/2 BPSK	1	108	21.73	21.70	21.63						
40	1/2 BPSK	1	214	21.69	21.65	21.66						
40	1/2 BPSK	108	0	21.75	21.77	21.61	23.2	0.0				
40	1/2 BPSK	108	54	21.63	21.72	21.62	23.2	0.0				
40	1/2 BPSK	108	108	21.74	21.73	21.64	23.2	0.0				
40	1/2 BPSK	216	0	21.70	21.66	21.76						
40	QPSK	1	1	21.78	21.83	21.80						
40	QPSK	1	108	21.71	21.79	21.65	23.2	0.0				
40	QPSK	1	214	21.66	21.67	21.71						
40	QPSK	108	0	21.68	21.75	21.68	23.2	0.0				
40	QPSK	108	54	21.74	21.80	21.70	23.2	0.0				
40	QPSK	108	108	21.79	21.79	21.77	23.2	0.0				
40	QPSK	216	0	21.87	21.78	21.66						
40	16QAM	1	1	21.75	21.68	21.64	23.2	0.0				
40	16QAM	1	1	21.62	21.70	21.68	23.2	0.0				
40	256QAM	1	1	19.53	19.61	19.56	21.2	2.0				
Channel				345500	349000	352500	Tune-up MPR					
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)					
35	QPSK	1	1	21.70	21.73	21.69	0.0	0.0				
Channel				345000	349000	353000	Tune-up MPR					
Frequency (MHz)				1725	1745	1765	limit (dB)					
30	QPSK	1	1	21.76	21.81	21.77	23.2	0.0				
Channel				344500	349000	353500	Tune-up MPR					
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)					
25	QPSK	1	1	21.72	21.73	21.75	23.2	0.0				
Channel				344000	349000	354000	Tune-up MPR					



n38 Ant6 DSI6									
BW [MHz]	Modulat ion	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)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	20.61	20.60	20.55		21.5	0.0
40	1/2 BPSK	1	53	20.68	20.61	20.50			
40	1/2 BPSK	1	104	20.56	20.55	20.65			
40	1/2 BPSK	50	0	20.70	20.65	20.44	21.5	0.0	
40	1/2 BPSK	50	28	20.57	20.57	20.48	21.5	0.0	
40	1/2 BPSK	50	56	20.57	20.64	20.52	21.5	0.0	
40	1/2 BPSK	100	0	20.70	20.48	20.67			
40	QPSK	1	1	20.74	20.75	20.61		21.5	0.0
40	QPSK	1	53	20.68	20.62	20.59		21.5	0.0
40	QPSK	1	104	20.63	20.65	20.66			
40	QPSK	50	0	20.56	20.64	20.52	21.5	0.0	
40	QPSK	50	28	20.47	20.72	20.61	21.5	0.0	
40	QPSK	50	56	20.62	20.64	20.58	21.5	0.0	
40	QPSK	100	0	20.52	20.68	20.65			
40	16QAM	1	1	20.67	20.56	20.59	21.5	0.0	
40	16QAM	1	1	20.63	20.58	20.54	21.5	0.0	
40	256QAM	1	1	19.90	19.98	19.92	21.0	0.5	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.72	20.69	20.58	21.5	0.0	
Channel									
Frequency (MHz)				516604	519000	521496	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	20.71	20.73	20.58	21.5	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.66	20.65	20.50	21.5	0.0	
Channel									
Frequency (MHz)				515602	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	20.65	20.63	20.54	21.5	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.73	20.70	20.54	21.5	0.0	

n41 Ant6 DSI6									
BW [MHz]	Modulat ion	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)				509202	518598	528000			
100	1/2 BPSK	1	1	19.55	19.63	19.46		21.2	0.0
100	1/2 BPSK	1	137	19.58	19.57	19.46			
100	1/2 BPSK	1	271	19.61	19.65	19.57			
100	1/2 BPSK	135	0	19.56	19.74	19.61	21.2	0.0	
100	1/2 BPSK	135	69	19.57	19.64	19.54		21.2	0.0
100	1/2 BPSK	135	138	19.63	19.61	19.51		21.2	0.0
100	1/2 BPSK	270	0	19.60	19.69	19.61			
100	QPSK	1	1	19.50	19.78	19.60			
100	QPSK	1	137	19.50	19.64	19.49		21.2	0.0
100	QPSK	1	271	19.49	19.56	19.46			
100	QPSK	135	0	19.66	19.67	19.46		21.2	0.0
100	QPSK	135	69	19.64	19.72	19.58		21.2	0.0
100	QPSK	135	138	19.65	19.62	19.48		21.2	0.0
100	QPSK	270	0	19.64	19.74	19.60			
100	16QAM	1	1	19.63	19.61	19.47	21.2	0.0	
100	16QAM	1	1	19.53	19.60	19.47	21.2	0.0	
100	256QAM	1	1	19.65	19.60	19.53	21.2	0.0	
Channel									
Frequency (MHz)				508200	518598	529996	Tune-up	MPR	
90	QPSK	1	1	19.39	19.74	19.52	limit (dB)		
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up	MPR	
80	QPSK	1	1	19.40	19.75	19.51	limit (dB)		
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up	MPR	
70	QPSK	1	1	19.41	19.74	19.55	limit (dB)		
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up	MPR	
60	QPSK	1	1	19.46	19.70	19.55	limit (dB)		
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up	MPR	
50	QPSK	1	1	19.41	19.72	19.53	limit (dB)		
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up	MPR	
40	QPSK	1	1	19.49	19.71	19.50	limit (dB)		
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
30	QPSK	1	1	19.41	19.70	19.57	limit (dB)		
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
25	QPSK	1	1	19.42	19.75	19.58	limit (dB)		
Channel									
Frequency (MHz)				501204	518598	535996	Tune-up	MPR	
20	QPSK	1	1	19.44	19.74	19.51	limit (dB)		
Channel									
Frequency (MHz)				500700	518598	536496	Tune-up	MPR	
15	QPSK	1	1	19.39	19.74	19.58	limit (dB)		
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up	MPR	
10	QPSK	1	1	19.40	19.73	19.52	limit (dB)		

Part96 n48 Ant6 DSI6									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)				3570	3624.99	3679.98			
40	1/2 BPSK	1	1	19.59	19.57	19.40		21.0	0.0
40	1/2 BPSK	1	53	19.47	19.63	19.51			
40	1/2 BPSK	1	104	19.50	19.59	19.41			
40	1/2 BPSK	50	0	19.51	19.56	19.53	21.0	0.0	
40	1/2 BPSK	50	28	19.55	19.60	19.47	21.0	0.0	
40	1/2 BPSK	50	56	19.51	19.61	19.48		21.0	0.0
40	1/2 BPSK	100	0	19.45	19.62	19.50			
40	QPSK	1	1	19.59	19.65	19.40			
40	QPSK	1	53	19.44	19.54	19.46		21.0	0.0
40	QPSK	1	104	19.48	19.61	19.50			
40	QPSK	50	0	19.50	19.62	19.45	21.0	0.0	
40	QPSK	50	28	19.52	19.65	19.54	21.0	0.0	
40	QPSK	50	56	19.53	19.46	19.51		21.0	0.0
40	QPSK	100	0	19.42	19.65	19.46			
40	16QAM	1	1	19.51	19.50	19.48	21.0	0.0	
40	16QAM	1	1	19.51	19.48	19.39	21.0	0.0	
40	256QAM	1	1	19.53	19.47	19.41	21.0	0.0	
Channel									
Frequency (MHz)				637688	641666	645686	Tune-up	MPR	
30	QPSK	1	1	19.53	19.57	19.53	limit (dB)		
Channel									
Frequency (MHz)				637334	641666	646000	Tune-up	MPR	
20	QPSK	1	1	19.52	19.59	19.50	limit (dB)		
Channel									
Frequency (MHz)				637168	641666	646166	Tune-up	MPR	
15	QPSK	1	1	19.52	19.53	19.39	limit (dB)		
Channel									
Frequency (MHz)				637000	641666	646332	Tune-up	MPR	
10	QPSK	1	1	19.56	19.55	19.29	limit (dB)		

Part270 n77 Ant6 DSI6									
BW [MHz]	Modulat ion	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	n72 BPSK	1	1	18.86	19.97	19.98			
100	n72 BPSK	13	137	18.86	19.97	19.98	20.5	0.0	0.0
100	n72 BPSK	135	271	18.86	19.97	19.98	20.5	0.0	0.0
100	n72 BPSK	135	0	18.82	19.93	19.98	20.5	0.0	0.0
100	n72 BPSK	135	69	18.86	19.97	19.98	20.5	0.0	0.0
100	n72 BPSK	135	136	18.88	19.94	19.99	20.5	0.0	0.0
100	n72 BPSK	270	0	18.99	19.95	19.93			
100	n72 BPSK	270	136	18.99	19.95	19.93	20.5	0.0	0.0
100	QPSK	1	137	18.92	19.92	18.88			
100	QPSK	135	271	18.83	18.99	19.97	20.5	0.0	0.0
100	QPSK	135	0	18.86	18.99	19.98	20.5	0.0	0.0
100	QPSK	135	69	18.94	19.02	18.83	20.5	0.0	0.0
100	QPSK	135	136	18.96	19.03	18.85	20.5	0.0	0.0
100	QPSK	270	0	18.84	18.93	19.94	20.5	0.0	0.0
100	16QAM	1	0	18.86	18.93	19.94	20.5	0.0	0.0
100	16QAM	135	136	18.93	19.04	18.87	20.5	0.0	0.0
100	25QAM	1	0	18.94	19.02	18.95	20.5	0.0	0.0
Channel									
90	QPSK	1	0	649688	656000	662334	turn-up	MPR	MPR
90	QPSK	1	0	649688	656000	662334	turn-up	MPR	MPR
Frequency (MHz)									
90	QPSK	1	0	18.77	19.02	18.76	20.5	0.0	0.0
90	QPSK	1	0	649688	656000	662695	turn-up	MPR	MPR
Channel									
90	QPSK	1	0	18.79	18.95	18.74	20.5	0.0	0.0
Frequency (MHz)									
70	QPSK	1	0	647334	656000	663334	turn-up	MPR	MPR
70	QPSK	1	0	3735	3840	3945	limit	(dB)	(dB)
Channel									
70	QPSK	1	0	18.76	19.04	18.78	20.5	0.0	0.0
Frequency (MHz)									
60	QPSK	1	0	647334	656000	663334	turn-up	MPR	MPR
60	QPSK	1	0	3730	3840	3950.1	limit	(dB)	(dB)
Channel									
60	QPSK	1	0	37218	38.95	38.78	20.5	0.0	0.0
Frequency (MHz)									
50	QPSK	1	0	647334	656000	663334	turn-up	MPR	MPR
50	QPSK	1	0	3720	3840	3950	limit	(dB)	(dB)
Channel									
50	QPSK	1	0	18.79	18.97	18.90	20.5	0.0	0.0
Frequency (MHz)									
40	QPSK	1	0	647334	656000	663334	turn-up	MPR	MPR
40	QPSK	1	0	3719	38.94	38.77	20.5	0.0	0.0
Channel									
30	QPSK	1	0	647650	656000	664334	turn-up	MPR	MPR
Frequency (MHz)									
30	QPSK	1	0	37162	38.94	38.65	20.5	0.0	0.0
Channel									
25	QPSK	1	0	647650	656000	664500	turn-up	MPR	MPR
25	QPSK	1	0	37125	38.93	38.72	20.5	0.0	0.0
Frequency (MHz)									
20	QPSK	1	0	647334	656000	664688	turn-up	MPR	MPR
20	QPSK	1	0	37101	38.94	38.702	20.5	0.0	0.0
Channel									
20	QPSK	1	0	647668	656000	664884	turn-up	MPR	MPR
Frequency (MHz)									
15	QPSK	1	0	36962	38.93	38.681	20.5	0.0	0.0
Channel									
15	QPSK	1	0	647000	656000	665000	turn-up	MPR	MPR
Frequency (MHz)									
10	QPSK	1	0	18.73	19.01	18.80	20.5	0.0	0.0



Part27O n77 Ant6 DSi6 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930			
100	1/2 BPSK	1	1	21.78	21.89	22.00			
100	1/2 BPSK	1	137	21.91	22.07	21.97	23.5	0.0	
100	1/2 BPSK	1	271	21.87	22.05	21.89			
100	1/2 BPSK	135	0	21.89	22.03	21.91	23.5	0.0	
100	1/2 BPSK	135	69	21.84	22.01	21.90			
100	1/2 BPSK	135	135	22.00	22.05	22.02	23.5	0.0	
100	1/2 BPSK	270	0	21.82	21.87	21.88	23.5	0.0	
100	QPSK	1	1	21.83	22.06	21.83			
100	QPSK	1	137	21.93	21.84	21.91	23.5	0.0	
100	QPSK	1	271	21.77	22.02	22.03			
100	QPSK	135	0	21.91	21.94	21.98	23.5	0.0	
100	QPSK	135	69	21.95	22.03	21.84			
100	QPSK	135	135	21.84	22.00	21.88			
100	QPSK	270	0	21.80	21.85	21.94	23.5	0.0	
100	16QAM	1	1	22.03	21.99	22.00	23.5	0.0	
100	16QAM	1	1	21.95	21.95	21.95	23.5	0.0	
100	256QAM	1	1	20.88	20.84	20.79	22.5	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	649688	656000	662334	Tune-up	MPR	
90	QPSK	1	1	3745.02	3840	3940.02	limit (dB)		
90	QPSK	1	1	21.78	22.02	21.75	23.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	656000	662668	Tune-up	MPR	
80	QPSK	1	1	3740.01	3840	3940.02	limit (dB)		
80	QPSK	1	1	21.72	21.97	21.78	23.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	649000	656000	663000	Tune-up	MPR	
70	QPSK	1	1	3735	3840	3945	limit (dB)		
70	QPSK	1	1	21.75	22.03	21.74	23.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648668	656000	663334	Tune-up	MPR	
60	QPSK	1	1	3730.02	3840	3930.01	limit (dB)		
60	QPSK	1	1	21.74	22.02	21.73	23.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	656000	663668	Tune-up	MPR	
50	QPSK	1	1	3725.01	3840	3935.02	limit (dB)		
50	QPSK	1	1	21.77	21.99	21.77	23.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	656000	664000	Tune-up	MPR	
40	QPSK	1	1	3720	3840	3920	limit (dB)		
40	QPSK	1	1	21.78	21.98	21.80	23.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647668	656000	664334	Tune-up	MPR	
30	QPSK	1	1	3715.02	3840	3935.01	limit (dB)		
30	QPSK	1	1	21.76	22.02	21.74	23.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	647500	656000	664500	Tune-up	MPR	
25	QPSK	1	1	3712.5	3840	3937.5	limit (dB)		
25	QPSK	1	1	21.80	22.06	21.74	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	656000	664668	Tune-up	MPR	
20	QPSK	1	1	3710.01	3840	3930.02	limit (dB)		
20	QPSK	1	1	21.77	22.05	21.80	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647168	656000	664834	Tune-up	MPR	
15	QPSK	1	1	3707.52	3840	3937.51	limit (dB)		
15	QPSK	1	1	21.74	22.01	21.75	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	656000	665000	Tune-up	MPR	
10	QPSK	1	1	3705	3840	3935	limit (dB)		
10	QPSK	1	1	21.79	22.07	21.79	23.5	0.0	

Part27Q n77 Ant6 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	18.87					
100	1/2 BPSK	1	137	18.98			20.5	0.0	
100	1/2 BPSK	1	271	18.90					
100	1/2 BPSK	135	0	18.95			20.5	0.0	
100	1/2 BPSK	135	69	18.89					
100	1/2 BPSK	135	135	18.91			20.5	0.0	
100	1/2 BPSK	270	0	18.89					
100	QPSK	1	1	19.05					
100	QPSK	1	137	18.93			20.5	0.0	
100	QPSK	1	271	18.92			20.5	0.0	
100	QPSK	135	0	18.96					
100	QPSK	135	69	19.03			20.5	0.0	
100	QPSK	135	135	18.90			20.5	0.0	
100	QPSK	270	0	19.08					
100	16QAM	1	1	18.91			20.5	0.0	
100	16QAM	1	1	18.96			20.5	0.0	
100	256QAM	1	1	18.96			20.5	0.0	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up	MPR	
				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	18.99	19.00	18.97	20.5	0.0	
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up	MPR	
				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	18.99	18.97	19.01	20.5	0.0	
Channel									
Frequency (MHz)				632334	633334	634334	Tune-up	MPR	
				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	19.00	18.99	18.95	20.5	0.0	
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up	MPR	
				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	18.99	18.98	18.95	20.5	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up	MPR	
				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	18.97	18.99	18.95	20.5	0.0	
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up	MPR	
				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	18.99	18.96	19.04	20.5	0.0	
Channel									
Frequency (MHz)				631000	633334	635668	Tune-up	MPR	
				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	19.02	18.96	18.98	20.5	0.0	
Channel									
Frequency (MHz)				630834	633334	635834	Tune-up	MPR	
				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	18.97	19.03	18.95	20.5	0.0	
Channel									
Frequency (MHz)				630668	633334	636000	Tune-up	MPR	
				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	18.97	19.00	18.97	20.5	0.0	
Channel									
Frequency (MHz)				630500	633334	636332	Tune-up	MPR	
				3455	3500.01	3545.02	limit (dB)		
15	QPSK	1	1	19.02	18.94	18.98	20.5	0.0	
Channel									
Frequency (MHz)				630334	633334	636334	Tune-up	MPR	
				3450	3500.01	3545	limit (dB)		
10	QPSK	1	1	18.95	19.02	19.01	20.5	0.0	

Part270 n78 Ant6 DSI6 PC2

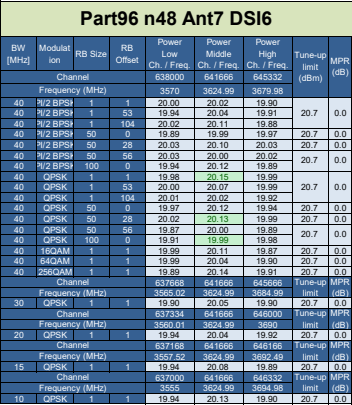
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	1/2 BPSK	1	1		21.93		23.5	0.0
100	1/2 BPSK	1	137		21.95			
100	1/2 BPSK	1	271		21.94			
100	1/2 BPSK	135	0		21.88		23.5	0.0
100	1/2 BPSK	135	69		21.99		23.5	0.0
100	1/2 BPSK	135	138		21.86		23.5	0.0
100	1/2 BPSK	270	0		21.95			
100	QPSK	1	1		22.03			
100	QPSK	1	137		21.94		23.5	0.0
100	QPSK	1	271		22.03			
100	QPSK	135	0		21.95		23.5	0.0
100	QPSK	135	69		22.04		23.5	0.0
100	QPSK	135	138		22.03		23.5	0.0
100	QPSK	270	0		22.01			
100	16QAM	1	1		22.07		23.5	0.0
100	64QAM	1	1		21.90		23.5	0.0
100	256QAM	1	1		21.11		22.7	0.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1				23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1				23.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3735	3750	3765	
70	QPSK	1	1				23.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1				23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1				23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3720	3750	3780	
40	QPSK	1	1				23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1				23.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1				23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.91	3750	3790.92		
20	QPSK	1	1				23.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1				23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1				23.5	0.0

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BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		18.68		20.5	0.0
100	1/2 BPSK	1	137		18.70			
100	1/2 BPSK	1	271		19.00			
100	1/2 BPSK	135	0		18.68		20.5	0.0
100	1/2 BPSK	135	69		18.71		20.5	0.0
100	1/2 BPSK	135	138		18.87		20.5	0.0
100	1/2 BPSK	270	0		18.73			
100	QPSK	1	1		19.04			
100	QPSK	1	137		18.74		20.5	0.0
100	QPSK	1	271		19.01			
100	QPSK	135	0		18.54		20.5	0.0
100	QPSK	135	69		18.89		20.5	0.0
100	QPSK	135	138		18.88		20.5	0.0
100	QPSK	270	0		18.71			
100	16QAM	1	1		18.55		20.5	0.0
100	64QAM	1	1		18.51		20.5	0.0
100	256QAM	1	1		18.53		20.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1				20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3510		
80	QPSK	1	1				20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1				20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1				20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1				20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1				20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1				20.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1				20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1				20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1				20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1				20.5	0.0

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BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		21.73		23.5	0.0
100	1/2 BPSK	1	137		21.77			
100	1/2 BPSK	1	271		21.92			
100	1/2 BPSK	135	0		21.75		23.5	0.0
100	1/2 BPSK	135	69		21.84		23.5	0.0
100	1/2 BPSK	135	138		21.87		23.5	0.0
100	1/2 BPSK	270	0		21.78			
100	QPSK	1	1		22.07			
100	QPSK	1	137		21.79		23.5	0.0
100	QPSK	1	271		22.01			
100	QPSK	135	0		21.52		23.5	0.0
100	QPSK	135	69		22.01		23.5	0.0
100	QPSK	135	138		21.89		23.5	0.0
100	QPSK	270	0		21.77			
100	16QAM	1	1		21.57		23.5	0.0
100	64QAM	1	1		21.55		23.5	0.0
100	256QAM	1	1		20.85		22.7	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1				23.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3510		
80	QPSK	1	1				23.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1				23.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1				23.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1				23.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1				23.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1				23.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1				23.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1				23.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1				23.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)



Part270 n77 Ant7 DS16 PC2									
BW [MHz]	Module ID	RF Size	RF Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Tune-Up (dBm)	MPR (dB)	
	Channel			65000	66500	66200			
	Frequency (MHz)			37500	3840	3930			
100	1/2 BPS1	1	21.03	21.15	21.18		22.0	0.0	
100	1/2 BPS1	1	21.27	21.27	21.27		22.0	0.0	
100	1/2 BPS1	1	221	21.06	21.17	21.13		0.0	
100	1/2 BPS1	135	0	21.12	21.11	21.07	22.0	0.0	
100	1/2 BPS1	135	0	21.12	21.11	21.07	22.0	0.0	
100	1/2 BPS1	135	136	21.10	21.16	21.04	22.0	0.0	
100	1/2 BPS1	270	0	21.26	21.29	21.36		0.0	
100	QPSK1	1	21.05	21.21	21.12		22.0	0.0	
100	QPSK1	1	137	20.95	21.00	21.06		0.0	
100	QPSK1	135	0	21.18	21.21	21.16	22.0	0.0	
100	QPSK1	135	0	21.00	21.01	21.05	22.0	0.0	
100	QPSK1	135	68	21.18	21.21	21.16	22.0	0.0	
100	QPSK1	270	0	21.18	21.21	21.26		0.0	
100	15QAM1	1	21.07	21.09	21.07		22.0	0.0	
100	15QAM1	1	21.07	21.09	21.07		22.0	0.0	
100	25QAM1	1	21.12	21.18	21.14		22.0	0.0	
	Channel			64688	65600	66234		MPR	
90	QPSK1	1	20.97	21.20	21.04		22.0	0.0	
	Frequency (MHz)			3740.01	3840	3940.02		limit	
80	QPSK1	1	20.95	21.25	21.10		22.0	0.0	
	Frequency (MHz)			3735	3840	3945		limit	
70	QPSK1	1	20.94	21.21	21.03		22.0	0.0	
	Frequency (MHz)			3730.02	3840	3950.01		limit	
60	QPSK1	1	20.94	21.24	21.03		22.0	0.0	
	Frequency (MHz)			3725.01	3840	3955.02		limit	
50	QPSK1	1	20.94	21.20	21.02		22.0	0.0	
	Frequency (MHz)			3720	3840	3950		limit	
40	QPSK1	1	20.94	21.23	21.03		22.0	0.0	
	Channel			64768	65600	66434		Tune-Up MPR	
30	QPSK1	1	21.15	21.23	21.13		22.0	0.0	
	Frequency (MHz)			3715.02	3840	3965.01		limit	
25	QPSK1	1	21.12	21.23	21.13		22.0	0.0	
	Channel			64750	65600	66450		Tune-Up MPR	
20	QPSK1	1	21.12	21.23	21.13		22.0	0.0	
	Frequency (MHz)			3710.01	3840	3970.02		limit	
15	QPSK1	1	21.11	21.23	21.13		22.0	0.0	
	Channel			64718	65600	66434		Tune-Up MPR	
10	QPSK1	1	21.07	21.23	21.13		22.0	0.0	
	Frequency (MHz)			3705.02	3840	3975.01		limit	
10	QPSK1	1	21.07	21.27	21.11		22.0	0.0	
	Channel			64700	65600	66500		Tune-Up MPR	
10	QPSK1	1	20.94	21.20	21.11		22.0	0.0	

Part27Q n7 Ant7 DSI6								
BW (MHz)	Module ID	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up (dBm)	MPR (dB)
			Channel		633334			
			Frequency (MHz)		350001			
100	1P2	BPS#		18,31				
100	1P2	BPS#	1	13,27			19,0	0,0
100	1P2	BPS#	1	27,1				
100	1P2	BPS#	135	0		18,25		
100	1P2	BPS#	135	138		18,25	19,0	0,0
100	1P2	BPS#	135	138		18,24		
100	1P2	BPS#	270	0		18,24		
100	QPSK	1	137				19,0	0,0
100	QPSK	1	271					
100	QPSK	135	0		18,24		19,0	0,0
100	QPSK	135	89		18,22			
100	QPSK	135	138		18,22		19,0	0,0
100	QPSK	270	0		18,32		19,0	0,0
100	10QAM	1	1		18,34		19,0	0,0
100	10QAM	1	131		18,31		19,0	0,0
100	25QAM	1	1		18,20		19,0	0,0
			Channel	633500	633334	633666	Turn-up	MPR
90	QPSK	1	137	3485	350001	351000	18,25	19,0
			Frequency (MHz)		18,32	18,25	18,32	19,0
			Channel	633500	633334	633666	Turn-up	MPR
80	QPSK	1	137	3489	350001	351000	18,25	19,0
			Frequency (MHz)		3489,02	350001	3510	19,0
			Channel	633500	633334	633666	Turn-up	MPR
70	QPSK	1	137	3483	350001	351000	18,25	19,0
			Frequency (MHz)		3483	18,25	18,27	19,0
			Channel	633500	633334	633666	Turn-up	MPR
60	QPSK	1	137	3480	350001	3520,02	18,25	19,0
			Frequency (MHz)		3480	350001	3520,02	19,0
			Channel	633500	633334	633666	Turn-up	MPR
50	QPSK	1	137	3483	350001	3525	18,25	19,0
			Frequency (MHz)		3483	18,31	18,28	19,0
			Channel	633500	633334	633666	Turn-up	MPR
40	QPSK	1	137	3476,02	350001	3525	18,25	19,0
			Frequency (MHz)		3476,02	18,30	18,30	19,0
			Channel	633500	633334	633666	Turn-up	MPR
30	QPSK	1	137	3470,01	350001	3530,01	18,25	19,0
			Frequency (MHz)		3470,01	18,29	18,25	19,0
			Channel	633500	633334	633666	Turn-up	MPR
25	QPSK	1	137	3465	350001	3533,02	18,25	19,0
			Frequency (MHz)		3465	350001	3533,02	19,0
			Channel	633500	633334	633666	Turn-up	MPR
20	QPSK	1	137	3462,51	350001	3537,51	18,25	19,0
			Frequency (MHz)		3462,51	18,29	18,34	19,0
			Channel	633500	633334	633666	Turn-up	MPR
15	QPSK	1	137	3460,02	350001	3540,02	18,25	19,0
			Frequency (MHz)		3460,02	18,32	18,28	19,0
			Channel	633500	633334	633666	Turn-up	MPR
10	QPSK	1	137	3457,51	350001	3542,51	18,25	19,0
			Frequency (MHz)		3457,51	18,30	18,26	19,0
			Channel	633500	633334	633666	Turn-up	MPR
10	QPSK	1	137	3455,01	350001	3545,01	18,25	19,0
			Frequency (MHz)		3455,01	18,32	18,30	19,0
			Channel	633500	633334	633666	Turn-up	MPR

Part27Q n77 Ant7 DSI6 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	21.25			22.0	0.0	
100	1/2 BPSK	1	137	21.25					
100	1/2 BPSK	1	271	21.25					
100	1/2 BPSK	135	0	21.29			22.0	0.0	
100	1/2 BPSK	135	69	21.17			22.0	0.0	
100	1/2 BPSK	135	138	21.29			22.0	0.0	
100	1/2 BPSK	270	0	21.26					
100	QPSK	1	1	21.33					
100	QPSK	1	137	21.10			22.0	0.0	
100	QPSK	1	271	21.19					
100	QPSK	135	0	21.16			22.0	0.0	
100	QPSK	135	69	21.28			22.0	0.0	
100	QPSK	135	138	21.27			22.0	0.0	
100	QPSK	270	0	21.25					
100	16QAM	1	1	21.36			22.0	0.0	
100	64QAM	1	1	21.26			22.0	0.0	
100	256QAM	1	1	21.16			22.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	21.34	21.31	21.31	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	21.29	21.30	21.35	22.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	21.33	21.37	21.35	22.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3500.02	limit (dB)		
60	QPSK	1	1	21.33	21.30	21.29	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3505	limit (dB)		
50	QPSK	1	1	21.36	21.33	21.32	22.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3500.01	limit (dB)		
40	QPSK	1	1	21.28	21.35	21.34	22.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3505.01	limit (dB)		
30	QPSK	1	1	21.33	21.30	21.30	22.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3502.51	limit (dB)		
25	QPSK	1	1	21.30	21.29	21.36	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3500	limit (dB)		
20	QPSK	1	1	21.38	21.28	21.35	22.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.51	3500.01	3502.50	limit (dB)		
15	QPSK	1	1	21.38	21.29	21.38	22.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3505.01	limit (dB)		
10	QPSK	1	1	21.28	21.33	21.29	22.0	0.0	

Part27O n78 Ant7 DSI6									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	18.92			19.5	0.0	
100	1/2 BPSK	1	137	18.90					
100	1/2 BPSK	1	271	18.83					
100	1/2 BPSK	135	0	18.92			19.5	0.0	
100	1/2 BPSK	135	69	18.88			19.5	0.0	
100	1/2 BPSK	135	138	18.87			19.5	0.0	
100	1/2 BPSK	270	0	18.76					
100	QPSK	1	1	18.85					
100	QPSK	1	137	18.88			19.5	0.0	
100	QPSK	1	271	18.76					
100	QPSK	135	0	18.89			19.5	0.0	
100	QPSK	135	69	18.91			19.5	0.0	
100	QPSK	135	138	18.88			19.5	0.0	
100	QPSK	270	0	18.87					
100	16QAM	1	1	18.86			19.5	0.0	
100	64QAM	1	1	18.78			19.5	0.0	
100	256QAM	1	1	18.87			19.5	0.0	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)		
90	QPSK	1	1	18.91	18.85	18.90	19.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	18.94	18.90	18.87	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	18.90	18.94	18.92	19.5	0.0	
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	18.87	18.89	18.92	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
50	QPSK	1	1	18.84	18.89	18.86	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	18.89	18.86	18.89	19.5	0.0	
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
30	QPSK	1	1	18.91	18.90	18.89	19.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3782.5	limit (dB)		
25	QPSK	1	1	18.92	18.89	18.87	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1	18.92	18.89	18.94	19.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	limit (dB)		
15	QPSK	1	1	18.89	18.94	18.88	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1	18.85	18.93	18.85	19.5	0.0	

Part27O n78 Ant7 DSI6 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	21.95			22.5	0.0	
100	1/2 BPSK	1	137	21.90					
100	1/2 BPSK	1	271	21.85					
100	1/2 BPSK	135	0	21.94			22.5	0.0	
100	1/2 BPSK	135	69	21.90			22.5	0.0	
100	1/2 BPSK	135	138	21.85			22.5	0.0	
100	1/2 BPSK	270	0	21.79					
100	QPSK	1	1	21.96					
100	QPSK	1	137	21.89			22.5	0.0	
100	QPSK	1	271	21.74					
100	QPSK	135	0	21.91			22.5	0.0	
100	QPSK	135	69	21.93			22.5	0.0	
100	QPSK	135	138	21.90			22.5	0.0	
100	QPSK	270	0	21.87					
100	16QAM	1	1	21.97			22.5	0.0	
100	16QAM	1	137	21.77			22.5	0.0	
100	16QAM	1	271	21.77			22.5	0.0	
100	16QAM	135	0	21.92			22.5	0.0	
100	16QAM	135	69	21.93			22.5	0.0	
100	16QAM	135	138	21.90			22.5	0.0	
100	16QAM	270	0	21.87			22.5	0.0	
Channel				649868		650000	650334	Tune-up MPR	
Frequency (MHz)				3749.913	3750.000	3750.087	22.5	0.0	
90	QPSK	1	1	21.92	21.86	21.81	22.5	0.0	
Channel				649834	650000	650666	Tune-up MPR		
Frequency (MHz)				3749.913	3750.000	3760.022	22.5	0.0	
80	QPSK	1	1	21.93	21.89	21.90	22.5	0.0	
Channel				649600	650000	651000	Tune-up MPR		
Frequency (MHz)				3749.913	3750.000	3759.913	22.5	0.0	
70	QPSK	1	1	21.95	21.94	21.94	22.5	0.0	
Channel				648868	650000	651132	Tune-up MPR		
Frequency (MHz)				3749.913	3750.000	3750.087	22.5	0.0	
60	QPSK	1	1	21.98	21.98	21.98	22.5	0.0	
Channel				648334	650000	650666	Tune-up MPR		
Frequency (MHz)				3725.011	3750.000	3775.022	22.5	0.0	
50	QPSK	1	1	21.93	21.93	21.92	22.5	0.0	
Channel				649000	650000	650334	Tune-up MPR		
Frequency (MHz)				3720.000	3750.000	3780.000	22.5	0.0	
40	QPSK	1	1	21.90	21.92	21.88	22.5	0.0	
Channel				647668	650000	650234	Tune-up MPR		
Frequency (MHz)				3715.000	3750.000	3785.011	22.5	0.0	
30	QPSK	1	1	21.93	21.92	21.93	22.5	0.0	
Channel				647334	650000	650666	Tune-up MPR		
Frequency (MHz)				3710.000	3750.000	3790.011	22.5	0.0	
20	QPSK	1	1	21.93	21.93	21.94	22.5	0.0	
Channel				647000	650000	652834	Tune-up MPR		
Frequency (MHz)				3707.652	3750.000	3792.348	22.5	0.0	
15	QPSK	1	1	21.94	21.97	21.95	22.5	0.0	
Channel				647000	650000	653000	Tune-up MPR		
Frequency (MHz)				3707.652	3750.000	3792.348	22.5	0.0	
10	QPSK	1	1	21.94	21.90	21.99	22.5	0.0	

Part27Q n78 Ant7 DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		18.82			
100	1/2 BPSK	1	137		18.80			
100	1/2 BPSK	1	271		18.82		19.5	0.0
100	1/2 BPSK	135	0		18.80		19.5	0.0
100	1/2 BPSK	135	69		18.77		19.5	0.0
100	1/2 BPSK	135	138		18.79		19.5	0.0
100	1/2 BPSK	270	0		18.79		19.5	0.0
100	QPSK	1	1		18.85			
100	QPSK	1	137		18.78		19.5	0.0
100	QPSK	1	271		18.78			
100	QPSK	135	0		18.75		19.5	0.0
100	QPSK	135	69		18.83		19.5	0.0
100	QPSK	135	138		18.76		19.5	0.0
100	QPSK	270	0		18.75		19.5	0.0
100	16QAM	1	1		18.80		19.5	0.0
100	16QAM	1	1		18.81		19.5	0.0
100	256QAM	1	1		18.82		19.5	0.0
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)	
90	QPSK	1	1	18.73	18.75	18.84	19.5	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	18.83	18.75	18.76	19.5	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	
70	QPSK	1	1	18.74	18.80	18.74	19.5	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1	18.72	18.74	18.82	19.5	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)	
50	QPSK	1	1	18.73	18.80	18.80	19.5	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	
40	QPSK	1	1	18.82	18.74	18.80	19.5	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	
30	QPSK	1	1	18.77	18.79	18.78	19.5	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	
25	QPSK	1	1	18.84	18.79	18.77	19.5	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3460.03	3500.01	3540	limit (dB)	
20	QPSK	1	1	18.79	18.79	18.79	19.5	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	
15	QPSK	1	1	18.81	18.83	18.81	19.5	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	
10	QPSK	1	1	18.80	18.81	18.75	19.5	0.0

Part27Q n78 Ant7 DSI6 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		21.79			
100	1/2 BPSK	1	137		21.77		22.5	0.0
100	1/2 BPSK	1	271		21.80		22.5	0.0
100	1/2 BPSK	135	0		21.79		22.5	0.0
100	1/2 BPSK	135	69		21.75		22.5	0.0
100	1/2 BPSK	135	138		21.76		22.5	0.0
100	1/2 BPSK	270	0		21.82		22.5	0.0
100	QPSK	1	1		21.86			
100	QPSK	1	137		21.77		22.5	0.0
100	QPSK	1	271		21.77			
100	QPSK	135	0		21.77		22.5	0.0
100	QPSK	135	69		21.85		22.5	0.0
100	QPSK	135	138		21.76		22.5	0.0
100	QPSK	270	0		21.84		22.5	0.0
100	16QAM	1	1		21.79		22.5	0.0
100	16QAM	1	1		21.78		22.5	0.0
100	256QAM	1	1		21.83		22.5	0.0
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)	
90	QPSK	1	1	21.87	21.78	21.87	22.5	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	21.78	21.82	21.85	22.5	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	
70	QPSK	1	1	21.84	21.80	21.85	22.5	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1	21.84	21.79	21.82	22.5	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)	
50	QPSK	1	1	21.84	21.85	21.87	22.5	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	
40	QPSK	1	1	21.85	21.80	21.87	22.5	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	
30	QPSK	1	1	21.80	21.84	21.87	22.5	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	
25	QPSK	1	1	21.84	21.88	21.84	22.5	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)	
20	QPSK	1	1	21.82	21.81	21.81	22.5	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	
15	QPSK	1	1	21.83	21.82	21.86	22.5	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	
10	QPSK	1	1	21.83	21.86	21.80	22.5	0.0



Part96 n48 Ant8 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)				638000	641666	645332			
				3570	3524.99	3576.98			
40	1/2 BPSK	1	1	18.54	18.61	18.57			
40	1/2 BPSK	1	53	18.53	18.60	18.56		20.0	0.0
40	1/2 BPSK	1	104	18.57	18.63	18.57			
40	1/2 BPSK	50	0	18.57	18.63	18.60			
40	1/2 BPSK	50	26	18.55	18.59	18.57		20.0	0.0
40	1/2 BPSK	50	56	18.57	18.62	18.57		20.0	0.0
40	1/2 BPSK	100	0	18.57	18.60	18.58			
40	QPSK	1	1	18.57	18.60	18.60			
40	QPSK	1	53	18.57	18.65	18.61			
40	QPSK	1	104	18.54	18.64	18.57			
40	QPSK	50	0	18.57	18.64	18.57		20.0	0.0
40	QPSK	50	26	18.58	18.65	18.60		20.0	0.0
40	QPSK	50	56	18.54	18.64	18.60		20.0	0.0
40	QPSK	100	0	18.54	18.62	18.60			
40	16QAM	1	1	18.54	18.63	18.61		20.0	0.0
40	16QAM	1	1	18.07	18.09	18.11		19.5	0.5
40	256QAM	1	1	16.03	16.11	16.07		17.5	2.5
Channel									
Frequency (MHz)				638000	641666	645332			
30	QPSK	1	1	18.49	18.54	18.52	limit (dB)	20.0	0.0
Channel									
Frequency (MHz)				637334	641666	646000			
20	QPSK	1	1	18.52	18.63	18.52	limit (dB)	20.0	0.0
Channel									
Frequency (MHz)				635001	642499	645000			
20	QPSK	1	1	18.51	18.63	18.52	limit (dB)	20.0	0.0
Channel									
Frequency (MHz)				637168	641666	646166			
15	QPSK	1	1	18.54	18.62	18.54	limit (dB)	20.0	0.0
15	QPSK	1	1	18.54	18.62	18.54	limit (dB)	20.0	0.0
Channel									
Frequency (MHz)				638000	641666	645332			
10	QPSK	1	1	18.53	18.60	18.50	limit (dB)	20.0	0.0

Part270 n77 Ant8 Other PA DSI6									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	17.89	17.94	17.88		19.5	0.0
100	1/2 BPSK	1	137	17.93	17.89	17.88			
100	1/2 BPSK	1	271	17.88	17.90	17.86			
100	1/2 BPSK	135	0	17.93	17.93	17.89			
100	1/2 BPSK	135	69	17.92	17.93	17.88		19.5	0.0
100	1/2 BPSK	135	138	17.90	17.90	17.85		19.5	0.0
100	1/2 BPSK	270	0	17.92	17.94	17.88		19.5	0.0
100	QPSK	1	1	17.89	17.98	17.85		19.5	0.0
100	QPSK	1	137	17.92	17.94	17.88			
100	QPSK	1	271	17.90	17.90	17.89			
100	QPSK	135	0	17.91	17.94	17.87			
100	QPSK	135	69	17.91	17.95	17.87		19.5	0.0
100	QPSK	135	138	17.88	17.92	17.86		19.5	0.0
100	QPSK	270	0	17.90	17.92	17.87		19.5	0.0
100	16QAM	1	1	17.88	17.91	17.90		19.5	0.0
100	16QAM	1	1	17.88	17.93	17.85		19.5	0.0
100	256QAM	1	1	17.89	17.93	17.90		19.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.85	17.88	17.75	limit (dB)	19.5	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.79	17.95	17.74	limit (dB)	19.5	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.85	17.85	17.84	limit (dB)	19.5	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.85	17.90	17.83	limit (dB)	19.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.86	17.97	17.82	limit (dB)	19.5	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.85	17.89	17.75	limit (dB)	19.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.87	17.97	17.83	limit (dB)	19.5	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.79	17.94	17.77	limit (dB)	19.5	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.78	17.92	17.78	limit (dB)	19.5	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.78	17.90	17.83	limit (dB)	19.5	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.83	17.96	17.80	limit (dB)	19.5	0.0

Part270 n77 Ant8 Other PA DSI6 PC2									
BW [MHz]	Module	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	1/2 BPSK	1	1	20.88	20.93	20.89		22.5	0.0
100	1/2 BPSK	1	137	20.93	20.92	20.87			
100	1/2 BPSK	1	271	20.90	20.91	20.88			
100	1/2 BPSK	135	0	20.96	20.95	20.92			
100	1/2 BPSK	135	69	20.94	20.93	20.90		22.5	0.0
100	1/2 BPSK	135	138	20.90	20.92	20.83		22.5	0.0
100	1/2 BPSK	270	0	20.91	20.94	20.87		22.5	0.0
100	QPSK	1	1	20.88	20.90	20.84		22.5	0.0
100	QPSK	1	137	20.90	20.95	20.89			
100	QPSK	1	271	20.87	20.92	20.87			
100	QPSK	135	0	20.89	20.93	20.84			
100	QPSK	135	69	20.93	20.98	20.88		22.5	0.0
100	QPSK	135	138	20.88	20.93	20.87		22.5	0.0
100	QPSK	270	0	20.90	20.94	20.90		22.5	0.0
100	16QAM	1	1	20.90	20.89	20.90		22.5	0.0
100	16QAM	1	1	20.88	20.91	20.85		22.5	0.0
100	256QAM	1	1	20.86	20.95	20.87		21.5	1.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.85	20.93	20.80	limit (dB)	22.5	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.83	20.98	20.74	limit (dB)	22.5	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.80	20.97	20.80	limit (dB)	22.5	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.80	20.89	20.74	limit (dB)	22.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.84	20.91	20.80	limit (dB)	22.5	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.78	20.94	20.74	limit (dB)	22.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.83	20.95	20.82	limit (dB)	22.5	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.84	20.97	20.77	limit (dB)	22.5	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.82	20.92	20.78	limit (dB)	22.5	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.83	20.90	20.82	limit (dB)	22.5	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.82	20.96	20.76	limit (dB)	22.5	0.0

Part27Q n77 Ant8 Other PA DSI6 PC2

BW [MHz]	Module ion	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	1/2 BPSK	1	1		20.79				
100	1/2 BPSK	1	137		20.78		22.5	0.0	
100	1/2 BPSK	1	271		20.78				
100	1/2 BPSK	135	0		20.80		22.5	0.0	
100	1/2 BPSK	135	69		20.76		22.5	0.0	
100	1/2 BPSK	135	138		20.78		22.5	0.0	
100	1/2 BPSK	270	0		20.77				
100	QPSK	1	1		20.83				
100	QPSK	1	137		20.76		22.5	0.0	
100	QPSK	1	271		20.81				
100	QPSK	135	0		20.76		22.5	0.0	
100	QPSK	135	69		20.79		22.5	0.0	
100	QPSK	135	138		20.78		22.5	0.0	
100	QPSK	270	0		20.76				
100	16QAM	1	1		20.79		22.5	0.0	
100	64QAM	1	1		20.80		22.5	0.0	
100	256QAM	1	1		20.80		21.5	1.0	
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)	
90	QPSK	1	1		20.78	20.79	20.78	22.5	0.0
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3450.02	3500.01	3510	limit	(dB)	
80	QPSK	1	1		20.75	20.74	20.73	22.5	0.0
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)	
70	QPSK	1	1		20.77	20.74	20.72	22.5	0.0
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3460	3500.01	3520.02	limit	(dB)	
60	QPSK	1	1		20.80	20.78	20.81	22.5	0.0
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)	
50	QPSK	1	1		20.76	20.76	20.76	22.5	0.0
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3420.01	3500.01	3530.01	limit	(dB)	
40	QPSK	1	1		20.81	20.80	20.76	22.5	0.0
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)	
30	QPSK	1	1		20.76	20.72	20.81	22.5	0.0
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.01	3512.51	limit	(dB)	
25	QPSK	1	1		20.76	20.75	20.77	22.5	0.0
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3510	limit	(dB)	
20	QPSK	1	1		20.76	20.77	20.81	22.5	0.0
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3459.51	3500.01	3510.51	limit	(dB)	
15	QPSK	1	1		20.77	20.80	20.80	22.5	0.0
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3510.51	limit	(dB)	
10	QPSK	1	1		20.77	20.73	20.80	22.5	0.0

Part27O n78 Ant8 Other PA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1		17.85				
100	1/2 BPSK	1	137		17.84		19.5	0.0	
100	1/2 BPSK	1	271		17.85				
100	1/2 BPSK	135	0		17.85		19.5	0.0	
100	1/2 BPSK	135	69		17.89		19.5	0.0	
100	1/2 BPSK	135	138		17.89		19.5	0.0	
100	1/2 BPSK	270	0		17.88				
100	QPSK	1	1		17.85				
100	QPSK	1	137		17.86		19.5	0.0	
100	QPSK	1	271		17.85				
100	QPSK	135	0		17.89		19.5	0.0	
100	QPSK	135	69		17.91		19.5	0.0	
100	QPSK	135	138		17.87		19.5	0.0	
100	QPSK	270	0		17.85				
100	16QAM	1	1		17.90		19.5	0.0	
100	64QAM	1	1		17.91		19.5	0.0	
100	256QAM	1	1		17.89		19.5	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1		17.87	17.82	17.91	19.5	0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1		17.89	17.82	17.85	19.5	0.0
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1		17.84	17.85	17.84	19.5	0.0
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1		17.89	17.88	17.87	19.5	0.0
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3765.02	limit	(dB)	
50	QPSK	1	1		17.89	17.83	17.89	19.5	0.0
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3760	limit	(dB)	
40	QPSK	1	1		17.89	17.89	17.87	19.5	0.0
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3765.01	limit	(dB)	
30	QPSK	1	1		17.84	17.91	17.84	19.5	0.0
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3762.5	limit	(dB)	
25	QPSK	1	1		17.90	17.90	17.91	19.5	0.0
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3760.02	limit	(dB)	
20	QPSK	1	1		17.85	17.91	17.94	19.5	0.0
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3762.51	limit	(dB)	
15	QPSK	1	1		17.92	17.94	17.92	19.5	0.0
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3765	limit	(dB)	
10	QPSK	1	1		17.88	17.89	17.89	19.5	0.0

Part27O n78 Ant8 Other PA DSI6 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1		20.86				
100	1/2 BPSK	1	137		20.85		22.5	0.0	
100	1/2 BPSK	1	271		20.83				
100	1/2 BPSK	135	0		20.83		22.5	0.0	
100	1/2 BPSK	135	69		20.86		22.5	0.0	
100	1/2 BPSK	135	138		20.92		22.5	0.0	
100	1/2 BPSK	270	0		20.85				
100	QPSK	1	1		20.93				
100	QPSK	1	137		20.89		22.5	0.0	
100	QPSK	1	271		20.85				
100	QPSK	135	0		20.87		22.5	0.0	
100	QPSK	135	69		20.88		22.5	0.0	
100	QPSK	135	138		20.87		22.5	0.0	
100	QPSK	270	0		20.81				
100	16QAM	1	1		20.83		22.5	0.0	
100	64QAM	1	1		20.86		22.5	0.0	
100	256QAM	1	1		19.91		21.5	1.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1		20.98	20.93	20.88	22.5	0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1		20.95	20.88	20.87	22.5	0.0
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1		20.98	20.90	20.84	22.5	0.0
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1		20.92	20.91	20.87	22.5	0.0
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3765.02	limit	(dB)	
50	QPSK	1	1		20.95	20.95	20.91	22.5	0.0
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3760	limit	(dB)	
40	QPSK	1	1		20.95	20.91	20.91	22.5	0.0
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3765.01	limit	(dB)	
30	QPSK	1	1		20.99	20.91	20.89	22.5	0.0
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3762.5	limit	(dB)	
25	QPSK	1	1		20.83	20.87	20.86	22.5	0.0
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3760.01	limit	(dB)	
20	QPSK	1	1		20.87	20.88	20.86	22.5	0.0
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.5	3750	3760.5	limit	(dB)	
15	QPSK	1	1		20.89	20.83	20.90	22.5	0.0
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705.01	3750	3765.01	limit	(dB)	
10	QPSK	1	1		20.86	20.84	20.90	22.5	0.0

Part27Q n78 Ant8 Other PA DSI6

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		17.81				
100	1/2 BPSK	1	137		17.82		19.5	0.0	
100	1/2 BPSK	1	271		17.83		19.5	0.0	
100	1/2 BPSK	135	0		17.84		19.5	0.0	
100	1/2 BPSK	135	69		17.82		19.5	0.0	
100	1/2 BPSK	135	138		17.81		19.5	0.0	
100	1/2 BPSK	270	0		17.80				
100	QPSK	1	1		17.80				
100	QPSK	1	137		17.80		19.5	0.0	
100	QPSK	1	271		17.82				
100	QPSK	135	0		17.82		19.5	0.0	
100	QPSK	135	69		17.86		19.5	0.0	
100	QPSK	135	138		17.78		19.5	0.0	
100	QPSK	270	0		17.84				
100	16QAM	1	1		17.86		19.5	0.0	
100	16QAM	1	1		17.82		19.5	0.0	
100	256QAM	1	1		17.79		19.5	0.0	
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3485	3500.01	3505.02	limit	(dB)	
90	QPSK	1	1		17.87	17.85	17.84	19.5	0.0
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)	
80	QPSK	1	1		17.84	17.86	17.80	19.5	0.0
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)	
70	QPSK	1	1		17.85	17.85	17.85	19.5	0.0
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)	
60	QPSK	1	1		17.80	17.83	17.85	19.5	0.0
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)	
50	QPSK	1	1		17.84	17.81	17.80	19.5	0.0
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)	
40	QPSK	1	1		17.84	17.86	17.88	19.5	0.0
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)	
30	QPSK	1	1		17.87	17.87	17.85	19.5	0.0
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.01	3500.01	3537.51	limit	(dB)	
25	QPSK	1	1		17.80	17.81	17.83	19.5	0.0
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.03	3500.01	3540	limit	(dB)	
20	QPSK	1	1		17.75	17.81	17.80	19.5	0.0
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)	
15	QPSK	1	1		17.84	17.80	17.87	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)	
10	QPSK	1	1		17.84	17.79	17.78	19.5	0.0

Part27Q n78 Ant8 Other PA DSI6 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		20.83				
100	1/2 BPSK	1	137		20.83		22.5	0.0	
100	1/2 BPSK	271			20.85				
100	1/2 BPSK	135	0		20.85		22.5	0.0	
100	1/2 BPSK	135	69		20.84		22.5	0.0	
100	1/2 BPSK	135	138		20.82		22.5	0.0	
100	1/2 BPSK	270	0		20.79				
100	QPSK	1	1		20.86				
100	QPSK	1	137		20.83		22.5	0.0	
100	QPSK	1	271		20.78				
100	QPSK	135	0		20.80		22.5	0.0	
100	QPSK	135	69		20.85		22.5	0.0	
100	QPSK	135	138		20.76		22.5	0.0	
100	QPSK	270	0		20.85				
100	16QAM	1	1		20.82		22.5	0.0	
100	16QAM	1	1		20.80		22.5	0.0	
100	256QAM	1	1		19.71		21.5	1.0	
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3485	3500.01	3505.02	limit	(dB)	
90	QPSK	1	1		20.76	20.79	20.78	22.5	0.0
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3480.02	3500.01	3510	limit	(dB)	
80	QPSK	1	1		20.75	20.77	20.80	22.5	0.0
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)	
70	QPSK	1	1		20.76	20.80	20.80	22.5	0.0
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)	
60	QPSK	1	1		20.79	20.76	20.84	22.5	0.0
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)	
50	QPSK	1	1		20.75	20.78	20.81	22.5	0.0
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)	
40	QPSK	1	1		20.77	20.79	20.82	22.5	0.0
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)	
30	QPSK	1	1		20.80	20.80	20.77	22.5	0.0
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.01	3500.01	3537.51	limit	(dB)	
25	QPSK	1	1		20.78	20.77	20.76	22.5	0.0
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)	
20	QPSK	1	1		20.84	20.75	20.77	22.5	0.0
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)	
15	QPSK	1	1		20.84	20.81	20.82	22.5	0.0
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)	
10	QPSK	1	1		20.75	20.83	20.80	22.5	0.0



n5 Ant0 DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	25.07	25.15	25.14		
20	1/2 BPSK	1	53	25.19	25.22	25.16	25.7	0.0
20	1/2 BPSK	1	104	25.20	25.31	25.27		
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5
20	1/2 BPSK	50	26	25.20	25.27	25.19	25.7	0.0
20	1/2 BPSK	50	56	24.61	24.66	24.61		
20	1/2 BPSK	100	0	24.72	24.81	24.76	25.2	0.5
20	QPSK	1	1	25.40	25.42	25.38		
20	QPSK	1	53	25.28	25.36	25.37	25.7	0.0
20	QPSK	1	104	25.36	25.39	25.32		
20	QPSK	50	0	24.20	24.22	24.19	24.7	1.0
20	QPSK	50	26	25.17	25.27	25.26	25.7	0.0
20	QPSK	50	56	24.12	24.18	24.11		
20	QPSK	100	0	24.31	24.33	24.23	24.7	1.0
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0
20	64QAM	1	1	22.65	22.67	22.64	23.2	2.5
20	256QAM	1	1	20.30	20.40	20.33	21.2	4.5
Channel				166300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	25.39	25.29	25.22	25.7	0.0
Channel				166800	167300	166800	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit	(dB)
10	QPSK	1	1	25.40	25.23	25.30	25.7	0.0
Channel				165300	167300	169300	Tune-up	MPR
Frequency (MHz)				828.5	836.5	845.5	limit	(dB)
5	QPSK	1	1	25.33	25.33	25.23	25.7	0.0

Reduced Power Mode for SA DSI 7

n7 Ant0 Other PA DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	22.66	22.84	22.71		
40	1/2 BPSK	1	108	22.64	22.82	22.73	23.2	0.0
40	1/2 BPSK	1	214	22.65	22.77	22.69		
40	1/2 BPSK	108	0	22.80	22.71	22.72	23.2	0.0
40	1/2 BPSK	108	54	22.77	22.82	22.68	23.2	0.0
40	1/2 BPSK	108	108	22.63	22.82	22.78	23.2	0.0
40	1/2 BPSK	216	0	22.67	22.72	22.63		
40	QPSK	1	1	22.70	22.85	22.72		
40	QPSK	1	108	22.63	22.68	22.73	23.2	0.0
40	QPSK	1	214	22.75	22.77	22.75		
40	QPSK	108	0	22.75	22.74	22.67	23.2	0.0
40	QPSK	108	54	22.67	22.80	22.75	23.2	0.0
40	QPSK	108	108	22.75	22.69	22.76	23.2	0.0
40	QPSK	216	0	22.75	22.78	22.70	23.2	0.0
40	16QAM	1	1	22.67	22.73	22.68	23.2	0.0
40	64QAM	1	1	22.76	22.69	22.75	23.2	0.0
40	256QAM	1	1	20.64	20.68	20.71	21.2	2.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	22.62	22.81	22.70	23.2	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	22.63	22.77	22.62	23.2	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	22.68	22.75	22.68	23.2	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	QPSK	1	1	22.60	22.83	22.61	23.2	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	22.63	22.78	22.67	23.2	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	22.64	22.81	22.68	23.2	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	22.59	22.74	22.69	23.2	0.0

n12 Ant0 DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	25.10	25.15	25.08		
15	1/2 BPSK	1	40	24.99	25.07	24.99	25.7	0.0
15	1/2 BPSK	1	77	25.04	25.12	25.02		
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5
15	1/2 BPSK	36	22	25.06	25.11	25.06	25.7	0.0
15	1/2 BPSK	36	43	24.39	24.45	24.43		
15	1/2 BPSK	75	0	24.46	24.54	24.53	25.2	0.5
15	QPSK	1	1	25.14	25.17	25.16		
15	QPSK	1	40	24.95	25.02	24.92	25.7	0.0
15	QPSK	1	77	25.09	25.15	25.09		
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0
15	QPSK	36	43	24.01	24.02	24.00	24.7	1.0
15	QPSK	75	0	23.87	23.96	23.91		
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0
15	64QAM	1	1	22.42	22.49	22.41	23.2	2.5
15	256QAM	1	1	20.50	20.52	20.48	21.2	4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit	(dB)
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit	(dB)
5	QPSK	1	1	25.09	25.14	25.14	25.7	0.0

n26 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	25.16	25.26	25.19	25.7	0.0
20	1/2 BPSK	1	53	25.29	25.33	25.33		
20	1/2 BPSK	1	104	25.26	25.42	25.34		
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5
20	1/2 BPSK	50	28	25.25	25.38	25.27	25.7	0.0
20	1/2 BPSK	50	56	24.72	24.68	24.84	25.2	0.5
20	1/2 BPSK	100	0	24.79	24.85	24.84		
20	QPSK	1	1	25.35	25.44	25.43		
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0
20	QPSK	1	104	25.36	25.37	25.37		
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0
20	QPSK	50	28	25.18	25.37	25.32	25.7	0.0
20	QPSK	50	56	24.17	24.28	24.18	24.7	1.0
20	QPSK	100	0	24.35	24.38	24.34		
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0
20	16QAM	1	1	22.72	22.73	22.66	23.2	2.5
20	16QAM	1	1	20.41	20.42	20.35	21.2	4.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				831.5	831.5	841.5	limit	(dB)
15	QPSK	1	1	25.31	25.43	25.37	25.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				819	831.5	844	limit	(dB)
10	QPSK	1	1	25.34	25.33	25.33	25.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	845.5	limit	(dB)
5	QPSK	1	1	25.30	25.35	25.32	25.7	0.0

n66 Ant0 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	18.68	18.59	18.60	20.2	0.0
40	1/2 BPSK	1	108	18.65	18.60	18.58		
40	1/2 BPSK	1	214	18.65	18.64	18.68		
40	1/2 BPSK	108	0	18.65	18.71	18.66	20.2	0.0
40	1/2 BPSK	108	54	18.65	18.63	18.73	20.2	0.0
40	1/2 BPSK	108	108	18.64	18.63	18.55	20.2	0.0
40	1/2 BPSK	216	0	18.70	18.66	18.58		
40	QPSK	1	1	18.70	18.75	18.70		
40	QPSK	1	108	18.62	18.65	18.57	20.2	0.0
40	QPSK	1	214	18.60	18.68	18.63		
40	QPSK	108	0	18.62	18.60	18.61	20.2	0.0
40	QPSK	108	54	18.65	18.73	18.72	20.2	0.0
40	QPSK	108	108	18.65	18.67	18.63	20.2	0.0
40	QPSK	216	0	18.62	18.72	18.55	20.2	0.0
40	16QAM	1	1	18.57	18.65	18.66	20.2	0.0
40	16QAM	1	1	18.70	18.65	18.67	20.2	0.0
40	16QAM	1	1	17.90	18.01	17.92	19.7	0.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	22.57	22.57	22.59	20.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	22.51	22.58	22.59	20.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	22.51	22.58	22.59	20.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	22.53	22.60	22.63	20.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	22.49	22.61	22.67	20.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1714	1745	1774	limit	(dB)
10	QPSK	1	1	22.52	22.66	22.59	20.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	22.57	22.62	22.53	20.2	0.0

n38 Ant0 Other PA DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPS	1	1	24.11	24.33	24.18		
40	1/2 BPS	1	53	24.28	24.23	24.15	24.7	0.0
40	1/2 BPS	1	104	24.28	24.27	24.29		
40	1/2 BPS	50	0	24.22	24.24	24.08	24.7	0.0
40	1/2 BPS	50	26	24.15	24.31	24.14	24.7	0.0
40	1/2 BPS	50	56	24.27	24.20	24.18	24.7	0.0
40	1/2 BPS	100	0	24.20	24.25	24.16		
40	QPSK	1	1	24.32	24.24	24.23		
40	QPSK	1	53	24.23	24.31	24.19	24.7	0.0
40	QPSK	1	104	24.15	24.11	24.27		
40	QPSK	50	0	24.25	24.22	24.24	24.7	0.0
40	QPSK	50	26	24.08	24.25	24.10	24.7	0.0
40	QPSK	50	56	24.17	24.17	24.25	24.7	0.0
40	QPSK	100	0	24.09	24.25	24.17		
40	16QAM	1	1	24.23	24.13	24.11	24.7	0.0
40	64QAM	1	1	23.05	23.07	22.97	23.2	1.5
40	256QAM	1	1	20.94	21.03	21.00	21.2	3.5
Channel				517002	519000	520998	Tune-up MPR	
Frequency (MHz)				2585.01	2595	2604.99 <th>limit (dB)</th> <th></th>	limit (dB)	
30	1/2 BPS	1	1	24.04	24.31	24.03	24.7	0.0
Channel				516504	519000	521496	Tune-up MPR	
Frequency (MHz)				2592.52	2595	2607.48	limit (dB)	
25	1/2 BPS	1	1	24.09	24.27	24.10	24.7	0.0
Channel				516000	519000	522000	Tune-up MPR	
Frequency (MHz)				2590	2595	2610	limit (dB)	
20	1/2 BPS	1	1	24.04	24.28	24.15	24.7	0.0
Channel				515502	519000	522498	Tune-up MPR	
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)	
15	1/2 BPS	1	1	24.07	24.28	24.15	24.7	0.0
Channel				515004	519000	522996	Tune-up MPR	
Frequency (MHz)				2575.02 <th>2595</th> <th>2614.98</th> <th>limit (dB)</th> <th></th>	2595	2614.98	limit (dB)	
10	1/2 BPS	1	1	24.02	24.28	24.12	24.7	0.0

n41 Ant0 Other PA DSI7								
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518596	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPS	1	1	23.71	23.69	23.78		
100	1/2 BPS	1	137	23.74	23.86	23.75	24.2	0.0
100	1/2 BPS	1	271	23.76	23.77	23.69		
100	1/2 BPS	135	0	23.69	23.77	23.78	24.2	0.0
100	1/2 BPS	135	69	23.84	23.87	23.75	24.2	0.0
100	1/2 BPS	135	138	23.71	23.81	23.79	24.2	0.0
100	1/2 BPS	270	0	23.77	23.88	23.83		
100	QPSK	1	1	23.84	23.84	23.76		
100	QPSK	1	137	23.85	23.80	23.76	24.2	0.0
100	QPSK	1	271	23.79	23.84	23.70		
100	QPSK	135	0	23.71	23.76	23.75	24.2	0.0
100	QPSK	135	69	23.86	23.81	23.69	24.2	0.0
100	QPSK	135	138	23.69	23.82	23.69	24.2	0.0
100	QPSK	270	0	23.70	23.87	23.83	24.2	0.0
100	16QAM	1	1	23.72	23.73	23.79	24.2	0.0
100	64QAM	1	1	22.79	22.78	22.86	23.2	1.0
100	256QAM	1	1	20.74	20.79	20.74	21.2	3.0
Channel				508200	518596	528996	Tune-up MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit (dB)	
90	1/2 BPS	1	1	23.68	23.50	23.68	24.2	0.0
Channel				507204	518596	529996	Tune-up MPR	
Frequency (MHz)				2338.02	2592.99	2646.99	limit (dB)	
80	1/2 BPS	1	1	23.62	23.52	23.75	24.2	0.0
Channel				506202	518596	531000	Tune-up MPR	
Frequency (MHz)				2331.01	2592.99	2655	limit (dB)	
70	1/2 BPS	1	1	23.60	23.54	23.69	24.2	0.0
Channel				505200	518596	531896	Tune-up MPR	
Frequency (MHz)				2326	24.44	2658.98	limit (dB)	
60	1/2 BPS	1	1	23.65	23.51	23.75	24.2	0.0
Channel				504204	518596	532998	Tune-up MPR	
Frequency (MHz)				2318.02	2592.99	2664.99	limit (dB)	
50	1/2 BPS	1	1	23.65	23.83	23.76	24.2	0.0
Channel				503202	518596	534000	Tune-up MPR	
Frequency (MHz)				2316.01	2592.99	2670	limit (dB)	
40	1/2 BPS	1	1	23.69	23.85	23.72	24.2	0.0
Channel				502200	518596	534996	Tune-up MPR	
Frequency (MHz)				2311	2592.99	2674.98	limit (dB)	
30	1/2 BPS	1	1	23.69	23.80	23.67	24.2	0.0
Channel				501204	518596	535998	Tune-up MPR	
Frequency (MHz)				2306.02	2592.99	2679.99	limit (dB)	
20	1/2 BPS	1	1	23.68	23.85	23.70	24.2	0.0
Channel				500700	518596	536496	Tune-up MPR	
Frequency (MHz)				2301.5	2592.99	2683.48	limit (dB)	
15	1/2 BPS	1	1	23.67	23.80	23.74	24.2	0.0
Channel				500202	518596	537000	Tune-up MPR	
Frequency (MHz)				2301.01	2592.99	2688	limit (dB)	
10	1/2 BPS	1	1	23.63	23.88	23.71	24.2	0.0

n5 Ant1 DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	23.7	0.0
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	23.14	23.03	23.07		
20	1/2 BPSK	1	53	23.00	23.08	22.97		
20	1/2 BPSK	1	104	23.02	23.17	22.95	23.7	0.0
20	1/2 BPSK	50	0	23.04	23.08	23.01	23.7	0.0
20	1/2 BPSK	50	28	23.05	23.09	23.07	23.7	0.0
20	1/2 BPSK	50	56	23.06	23.11	22.93	23.7	0.0
20	1/2 BPSK	100	0	23.13	23.09	22.99	23.7	0.0
20	QPSK	1	1	23.10	23.22	22.95	23.7	0.0
20	QPSK	1	53	23.06	23.17	23.09		
20	QPSK	1	104	23.00	23.12	22.94		
20	QPSK	50	0	22.97	23.04	22.95		
20	QPSK	50	28	23.03	23.21	22.93	23.7	0.0
20	QPSK	50	56	23.13	23.15	23.00	23.7	0.0
20	QPSK	100	0	23.13	23.15	23.07	23.7	0.0
20	16QAM	1	1	23.08	23.19	22.95	23.7	0.0
20	16QAM	1	1	22.96	22.53	22.46	23.2	0.5
20	256QAM	1	1	20.96	20.62	20.58	21.2	2.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	23.03	23.20	22.83	23.7	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				830	836.5	844	limit	(dB)
10	QPSK	1	1	23.00	23.17	22.87	23.7	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	23.04	23.14	22.94	23.7	0.0

n7 Ant1 Other PA DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	23.7	0.0
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	23.14	23.24	23.03		
40	1/2 BPSK	1	108	23.08	23.07	23.06		
40	1/2 BPSK	1	214	23.14	23.23	23.13	23.7	0.0
40	1/2 BPSK	108	0	23.12	23.22	23.06	23.7	0.0
40	1/2 BPSK	108	54	23.10	23.19	23.17	23.7	0.0
40	1/2 BPSK	108	108	23.08	23.10	23.01	23.7	0.0
40	1/2 BPSK	216	0	23.12	23.16	23.02	23.7	0.0
40	QPSK	1	1	23.16	23.25	23.09	23.7	0.0
40	QPSK	1	108	23.13	23.14	23.04		
40	QPSK	1	214	23.09	23.19	23.06		
40	QPSK	108	0	23.16	23.09	23.09		
40	QPSK	108	54	23.15	23.22	23.01	23.7	0.0
40	QPSK	108	108	23.18	23.14	23.07	23.7	0.0
40	QPSK	216	0	23.21	23.23	23.13	23.7	0.0
40	16QAM	1	1	23.12	23.10	23.14	23.7	0.0
40	256QAM	1	1	20.69	20.58	20.55	21.2	2.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	23.07	23.16	23.01	23.7	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	23.14	23.15	23.05	23.7	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	23.15	23.15	23.03	23.7	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	QPSK	1	1	23.15	23.15	23.04	23.7	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	23.03	23.16	23.07	23.7	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	23.14	23.22	23.01	23.7	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	23.10	23.19	22.98	23.7	0.0

n12 Ant1 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	25.7	0.0	
Frequency (MHz)				708.5	707.5	708.5			
15	1/2 BPSK	1	1	24.92	24.98	24.95			
15	1/2 BPSK	1	40	24.85	24.91	24.81			
15	1/2 BPSK	1	77	24.85	24.90	24.83	25.2	0.5	
15	1/2 BPSK	36	0	24.27	24.37	24.36	25.7	0.0	
15	1/2 BPSK	36	22	24.81	24.87	24.76	25.7	0.0	
15	1/2 BPSK	36	43	24.27	24.30	24.28	25.2	0.5	
15	1/2 BPSK	75	0	24.31	24.37	24.29	25.7	0.0	
15	QPSK	1	1	24.91	25.01	25.00	25.7	0.0	
15	QPSK	1	40	24.92	24.95	24.92			
15	QPSK	1	77	24.83	24.85	24.85			
15	QPSK	36	0	23.91	23.94	23.84			
15	QPSK	36	22	24.88	24.92	24.84	25.7	0.0	
15	QPSK	36	43	23.72	23.80	23.70	24.7	1.0	
15	QPSK	75	0	23.84	23.91	23.81	24.7	1.0	
15	16QAM	1	1	23.89	23.85	23.86	24.7	1.0	
15	16QAM	1	1	22.25	22.32	22.29	23.2	2.5	
15	256QAM	1	1	20.36	20.37	20.35	21.2	4.5	
Channel				140800	141500	142200	Tune-up	MPR	
Frequency (MHz)				704	707.5	711	limit	(dB)	
10	QPSK	1	1	24.94	24.92	24.89	25.7	0.0	
Channel				140300	141500	142700	Tune-up	MPR	
Frequency (MHz)				701.5	707.5	713.5	limit	(dB)	
5	QPSK	1	1	24.92	24.95	24.97	25.7	0.0	

n26 Ant1 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	23.18	23.12	23.12	23.7	0.0
20	1/2 BPSK	1	53	23.07	23.16	23.01		
20	1/2 BPSK	1	104	23.12	23.16	23.04		
20	1/2 BPSK	50	0	23.10	23.11	23.04		
20	1/2 BPSK	50	26	23.15	23.12	23.14	23.7	0.0
20	1/2 BPSK	50	56	23.08	23.13	22.98	23.7	0.0
20	1/2 BPSK	100	0	23.20	23.16	23.05		
20	QPSK	1	1	23.12	23.30	23.00		
20	QPSK	1	53	23.10	23.26	23.11		
20	QPSK	1	104	23.01	23.19	23.02	23.7	0.0
20	QPSK	50	0	23.01	23.05	22.97	23.7	0.0
20	QPSK	50	26	23.08	23.26	23.04		
20	QPSK	50	56	23.18	23.21	23.10		
20	QPSK	100	0	23.15	23.25	23.15		
20	16QAM	1	1	23.14	23.26	23.03	23.7	0.0
20	64QAM	1	1	22.80	22.89	22.86	23.2	0.5
20	256QAM	1	1	20.38	20.54	20.44	21.2	2.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				821.5	831.5	841.5	limit (dB)	(dB)
15	QPSK	1	1	23.04	23.27	22.90	23.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				810	831.5	844	limit (dB)	(dB)
10	QPSK	1	1	23.05	23.21	22.88	23.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	limit (dB)	(dB)
5	QPSK	1	1	23.05	23.27	22.92	23.7	0.0

n66 Ant1 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	19.08	19.07	18.99	20.5	0.0
40	1/2 BPSK	1	108	19.06	19.15	19.01		
40	1/2 BPSK	1	214	18.99	19.10	19.01		
40	1/2 BPSK	108	0	19.10	19.02	19.00		
40	1/2 BPSK	108	54	19.09	19.08	18.99	20.5	0.0
40	1/2 BPSK	108	108	19.13	19.03	18.93	20.5	0.0
40	1/2 BPSK	216	0	18.97	18.14	18.98		
40	QPSK	1	1	19.01	19.23	18.95		
40	QPSK	1	108	19.04	19.00	18.88	20.5	0.0
40	QPSK	1	214	19.12	18.11	19.04	20.5	0.0
40	QPSK	108	0	19.03	19.09	18.92		
40	QPSK	108	54	19.07	19.15	19.03		
40	QPSK	108	108	19.10	19.06	18.95		
40	QPSK	216	0	19.13	19.14	19.07	20.5	0.0
40	16QAM	1	1	18.88	19.00	18.87	20.5	0.0
40	64QAM	1	1	19.04	19.06	19.02	20.5	0.0
40	256QAM	1	1	17.66	17.73	17.66	19.0	1.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	(dB)
35	QPSK	1	1	19.80	19.11	19.50	20.5	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	(dB)
30	QPSK	1	1	19.93	19.15	19.55	20.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	(dB)
25	QPSK	1	1	19.91	19.13	19.53	20.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	(dB)
20	QPSK	1	1	19.91	19.15	19.52	20.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	(dB)
15	QPSK	1	1	19.94	19.17	19.91	20.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	(dB)
10	QPSK	1	1	19.94	19.16	19.83	20.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	(dB)
5	QPSK	1	1	19.92	19.15	19.89	20.5	0.0



n38 Ant1 Other PA DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2590.02	2595	2599.98				
40	1/2 BPSK	1	1	20.82	20.81	20.76				
40	1/2 BPSK	1	53	20.87	20.84	20.73	21.2	0.0		
40	1/2 BPSK	1	104	20.80	20.77	20.78				
40	1/2 BPSK	50	0	20.81	20.85	20.77	21.2	0.0		
40	1/2 BPSK	50	28	20.83	20.88	20.86				
40	1/2 BPSK	50	56	20.82	20.80	20.77				
40	1/2 BPSK	100	0	20.84	20.86	20.74	21.2	0.0		
40	QPSK	1	1	20.85	20.85	20.83				
40	QPSK	1	53	20.71	20.74	20.74				
40	QPSK	1	104	20.74	20.83	20.86				
40	QPSK	50	0	20.81	20.82	20.71	21.2	0.0		
40	QPSK	50	28	20.81	20.80	20.84				
40	QPSK	50	56	20.85	20.79	20.82				
40	QPSK	100	0	20.82	20.82	20.70				
40	16QAM	1	1	20.74	20.77	20.85	21.2	0.0		
40	16QAM	1	1	20.87	20.74	20.83	21.2	0.0		
40	256QAM	1	1	20.74	20.83	20.82	21.2	0.0		
Channel				517002	519000	520998	Tune-up	MPR		
30	1/2 BPSK	1	1	20.76	20.83	20.73	limit (dB)			
Channel				516804	519000	521498	Tune-up	MPR		
25	1/2 BPSK	1	1	20.72	20.88	20.68	21.2	0.0		
Channel				516000	519000	522000	Tune-up	MPR		
20	1/2 BPSK	1	1	20.75	20.88	20.73	limit (dB)			
Channel				515802	519000	522498	Tune-up	MPR		
15	1/2 BPSK	1	1	20.75	20.85	20.70	21.2	0.0		
Channel				515004	519000	522998	Tune-up	MPR		
10	1/2 BPSK	1	1	20.76	20.81	20.73	21.2	0.0		

n41 Ant1 Other PA DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2546.01	2592.99	2640				
100	1/2 BPSK	1	1	21.30	21.30	21.17				
100	1/2 BPSK	1	137	21.28	21.32	21.37				
100	1/2 BPSK	1	271	21.25	21.38	21.32				
100	1/2 BPSK	135	0	21.43	21.30	21.12	22.2	0.0		
100	1/2 BPSK	135	69	21.32	21.24	21.13				
100	1/2 BPSK	135	138	21.37	21.30	21.25				
100	1/2 BPSK	270	0	21.28	21.20	21.37	22.2	0.0		
100	QPSK	1	1	21.31	20.46	21.20				
100	QPSK	1	137	21.29	21.45	21.21				
100	QPSK	1	271	21.11	21.27	21.37				
100	QPSK	135	0	21.34	21.31	21.38				
100	QPSK	135	69	21.28	21.42	21.28				
100	QPSK	135	138	21.28	21.31	21.36				
100	QPSK	270	0	21.17	21.40	21.25				
100	16QAM	1	1	21.28	21.20	21.33	22.2	0.0		
100	64QAM	1	1	21.30	21.25	21.31	22.2	0.0		
100	256QAM	1	1	21.28	21.27	21.40	22.2	0.0		
Channel				508200	518598	528998	Tune-up	MPR		
90	QPSK	1	1	21.27	21.38	21.15	limit (dB)			
Channel				507204	518598	529998	Tune-up	MPR		
80	QPSK	1	1	21.27	21.35	21.10	limit (dB)			
Channel				506202	518598	531000	Tune-up	MPR		
70	QPSK	1	1	21.10	20.52	20.55	limit (dB)			
Channel				505200	518598	531998	Tune-up	MPR		
60	QPSK	1	1	21.23	21.33	21.10	limit (dB)			
Channel				504204	518598	532998	Tune-up	MPR		
50	QPSK	1	1	21.20	21.36	21.13	22.2	0.0		
Channel				503202	518598	534000	Tune-up	MPR		
40	QPSK	1	1	21.24	21.39	21.14	22.2	0.0		
Channel				502200	518598	534998	Tune-up	MPR		
30	QPSK	1	1	21.26	21.38	21.12	22.2	0.0		
Channel				502200	518598	534998	Tune-up	MPR		
25	QPSK	1	1	21.23	21.40	21.14	22.2	0.0		
Channel				501204	518598	535998	Tune-up	MPR		
20	QPSK	1	1	21.21	21.37	21.14	22.2	0.0		
Channel				500700	518598	536498	Tune-up	MPR		
15	QPSK	1	1	21.25	21.41	21.18	22.2	0.0		
Channel				500202	518598	537000	Tune-up	MPR		
10	QPSK	1	1	21.30	21.40	21.14	22.2	0.0		

Part96 n48 Ant1 DSI7										
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)				3570	3624.99	3679.98				
40	1/2 BPSK	1	1	22.06	22.11	22.00				
40	1/2 BPSK	1	53	22.12	22.15	22.05				
40	1/2 BPSK	1	104	22.01	22.06	22.00				
40	1/2 BPSK	50	0	21.73	21.77	21.69	23.8	0.0		
40	1/2 BPSK	50	28	21.82	21.88	21.81	23.1	0.0		
40	1/2 BPSK	50	56	21.69	21.77	21.69	23.3	0.5		
40	1/2 BPSK	100	0	21.67	21.74	21.70	23.3	0.5		
40	QPSK	1	1	22.23	22.27	22.25				
40	QPSK	1	53	21.97	22.07	21.96				
40	QPSK	1	104	21.96	22.04	21.98	23.8	1.0		
40	QPSK	50	0	21.15	21.25	21.23	22.8	1.0		
40	QPSK	50	28	22.18	22.22	22.15	22.8	1.0		
40	QPSK	50	56	21.22	21.24	21.18	22.8	1.0		
40	QPSK	100	0	21.19	21.25	21.16	22.8	1.0		
40	16QAM	1	1	21.08	21.12	21.01	22.8	1.0		
40	64QAM	1	1	19.59	19.63	19.58	21.3	2.5		
40	256QAM	1	1	17.56	17.62	17.59	19.3	4.5		
Channel				637688	641666	645686	Tune-up	MPR		
30	QPSK	1	1	22.13	22.23	22.15	23.8	0.0		
Channel				637334	641666	646000	Tune-up	MPR		
20	QPSK	1	1	22.22	22.23	22.16	23.8	0.0		
Channel				637168	641666	646166	Tune-up	MPR		
15	QPSK	1	1	22.13	22.21	22.21	23.8	0.0		
Channel				637000	641666	646332	Tune-up	MPR		
10	QPSK	1	1	22.16	22.17	22.23	23.8	0.0		

Part270 n77 Ant1 Other PADS17										
BW [MHz]	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)				3550000	3565000	3570000				
100	1/2 BPSK	1	1	19.69	19.71	19.80				
100	1/2 BPSK	1	137	19.75	19.70	19.83	21.0	0.0		
100	1/2 BPSK	1	271	19.75	19.82	19.86				
100	1/2 BPSK	135	0	19.70	19.73	19.75	21.0	0.0		
100	1/2 BPSK	135	69	19.80	19.80	19.70				
100	1/2 BPSK	135	138	19.87	19.76	19.79	21.0	0.0		
100	1/2 BPSK	270	0	19.84	19.71	19.70	21.0	0.0		
100	QPSK	1	1	19.69	19.87	19.76				
100	QPSK	1	137	19.84	19.81	19.78	21.0	0.0		
100	QPSK	1	271	19.84	19.87	19.86				
100	QPSK	135	0	19.61	19.74	19.68	21.0	0.0		
100	QPSK	135	69	19.69	19.76	19.78	21.0	0.0		
100	QPSK	135	138	19.77	19.75	19.75	21.0	0.0		
100	QPSK	270	0	19.75	19.87	19.71	21.0	0.0		
100	16QAM	1	1	19.84	19.81	19.72	21.0	0.0		
100	16QAM	1	137	19.77	19.75	19.75	21.0	0.0		
100	256QAM	1	1	19.64	19.87	19.79	21.0	0.0		
Channel										
90	QPSK	1	1	19.69	19.84	19.75	21.0	MPR		
90	QPSK	1	137	19.75	19.70	19.83	21.0	MPR		
90	QPSK	1	271	19.75	19.82	19.86	21.0	MPR		
80	QPSK	1	1	19.64	19.87	19.79	21.0	MPR		
80	QPSK	1	137	19.77	19.75	19.75	21.0	MPR		
80	QPSK	1	271	19.75	19.87	19.76	21.0	MPR		
70	QPSK	1	1	19.70	19.80	19.85	21.0	MPR		
70	QPSK	1	137	19.75	19.70	19.83	21.0	MPR		
60	QPSK	1	1	19.67	19.84	19.76	21.0	MPR		
60	QPSK	1	137	19.75	19.70	19.83	21.0	MPR		
60	QPSK	1	271	19.75	19.82	19.86	21.0	MPR		
50	QPSK	1	1	19.62	19.83	19.75	21.0	MPR		
50	QPSK	1	137	19.75	19.70	19.83	21.0	MPR		
50	QPSK	1	271	19.75	19.82	19.86	21.0	MPR		
40	QPSK	1	1	19.68	19.81	19.74	21.0	MPR		
40	QPSK	1	137	19.75	19.70	19.83	21.0	MPR		
40	QPSK	1	271	19.75	19.82	19.86	21.0	MPR		
30	QPSK	1	1	19.70	19.80	19.85	21.0	MPR		
30	QPSK	1	137	19.75	19.70	19.83	21.0	MPR		
30	QPSK	1	271	19.75	19.82	19.86	21.0	MPR		
25	QPSK	1	1	19.71	19.81	19.76	21.0	MPR		
25	QPSK	1	137	19.75	19.70	19.83	21.0	MPR		
25	QPSK	1	271	19.75	19.82	19.86	21.0	MPR		
20	QPSK	1	1	19.70	19.80	19.85	21.0	MPR		
20	QPSK	1	137	19.75	19.70	19.83	21.0	MPR		
20	QPSK	1	271	19.75	19.82	19.86	21.0	MPR		
15	QPSK	1	1	19.70	19.80	19.85	21.0	MPR		
15	QPSK	1	137	19.75	19.70	19.83	21.0	MPR		
15	QPSK	1	271	19.75	19.82	19.86	21.0	MPR		
10	QPSK	1	1	19.69	19.81	19.71	21.0	MPR		



Part27O n77 Ant1 Other PA DSI7 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3840	3930		
Frequency (MHz)								
100	1/2 BPSK	1	1	22.77	22.68	22.78	24.0	0.0
100	1/2 BPSK	1	137	22.84	22.84	22.90		
100	1/2 BPSK	1	271	22.77	22.73	22.83		
100	1/2 BPSK	135	0	22.64	22.66	22.81	24.0	0.0
100	1/2 BPSK	135	69	22.65	22.76	22.71	24.0	0.0
100	1/2 BPSK	135	138	22.60	22.69	22.86	24.0	0.0
100	1/2 BPSK	270	0	22.63	22.65	22.89		
100	QPSK	1	1	22.68	22.61	22.86		
100	QPSK	1	137	22.65	22.76	22.72	24.0	0.0
100	QPSK	1	271	22.69	22.80	22.85		
100	QPSK	135	0	22.64	22.75	22.74	24.0	0.0
100	QPSK	135	69	22.62	22.86	22.83	24.0	0.0
100	QPSK	135	138	22.65	22.80	22.76	24.0	0.0
100	QPSK	270	0	22.74	22.80	22.86		
100	16QAM	1	1	22.55	22.80	22.77	24.0	0.0
100	16QAM	1	1	22.73	22.67	22.73	24.0	0.0
100	256QAM	1	1	21.79	21.88	21.76	23.2	0.6
Channel				648668	656000	662334	Tune-up	MPR
Frequency (MHz)				3742.02	3740	3745.01	limit (dB)	(dB)
90	QPSK	1	1	22.63	22.55	22.77	24.0	0.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3740	3740.02	limit (dB)	(dB)
80	QPSK	1	1	22.63	22.63	22.80	24.0	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3745	3740	3745	limit (dB)	(dB)
70	QPSK	1	1	22.57	22.57	22.74	24.0	0.0
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3740	3740.01	limit (dB)	(dB)
60	QPSK	1	1	22.59	22.59	22.52	24.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3722.01	3740	3742.02	limit (dB)	(dB)
50	QPSK	1	1	22.57	22.81	22.82	24.0	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3740	3720	limit (dB)	(dB)
40	QPSK	1	1	22.64	22.81	22.80	24.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3716.02	3740	3746.01	limit (dB)	(dB)
30	QPSK	1	1	22.60	22.88	22.82	24.0	0.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3740	3747.5	limit (dB)	(dB)
25	QPSK	1	1	22.65	22.80	22.83	24.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3740	3739.02	limit (dB)	(dB)
20	QPSK	1	1	22.64	22.88	22.74	24.0	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.92	3740	3737.51	limit (dB)	(dB)
15	QPSK	1	1	22.57	22.82	22.80	24.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3740	3705	limit (dB)	(dB)
10	QPSK	1	1	22.66	22.87	22.76	24.0	0.0

Part27Q n77 Ant1 Other PA DSI7

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					3500.01			
Frequency (MHz)								
100	1/2 BPSK	1	1		19.43		21.0	0.0
100	1/2 BPSK	1	137		19.34			
100	1/2 BPSK	1	271		19.33			
100	1/2 BPSK	135	0		19.30		21.0	0.0
100	1/2 BPSK	135	69		19.45		21.0	0.0
100	1/2 BPSK	135	138		19.29		21.0	0.0
100	1/2 BPSK	270	0		19.33			
100	QPSK	1	1		19.49			
100	QPSK	1	137		19.32		21.0	0.0
100	QPSK	1	271		19.39			
100	QPSK	135	0		19.42		21.0	0.0
100	QPSK	135	69		19.46		21.0	0.0
100	QPSK	135	138		19.30		21.0	0.0
100	QPSK	270	0		19.44			
100	16QAM	1	1		19.34		21.0	0.0
100	16QAM	1	1		19.44		21.0	0.0
100	256QAM	1	1		19.39		21.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3493	3500.01	3505.02	limit (dB)	(dB)
90	QPSK	1	1	19.46	19.44	19.46	21.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	(dB)
80	QPSK	1	1	19.44	19.48	19.43	21.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	(dB)
70	QPSK	1	1	19.47	19.45	19.41	21.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3505.02	limit (dB)	(dB)
60	QPSK	1	1	19.47	19.40	19.44	21.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3473.02	3500.01	3505.02	limit (dB)	(dB)
50	QPSK	1	1	19.39	19.45	19.47	21.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3505.01	limit (dB)	(dB)
40	QPSK	1	1	19.39	19.39	19.41	21.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3505.02	limit (dB)	(dB)
30	QPSK	1	1	19.40	19.44	19.48	21.0	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3507.51	limit (dB)	(dB)
25	QPSK	1	1	19.45	19.45	19.44	21.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3500	limit (dB)	(dB)
20	QPSK	1	1	19.43	19.41	19.43	21.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3502.52	limit (dB)	(dB)
15	QPSK	1	1	19.45	19.40	19.43	21.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3505.01	limit (dB)	(dB)
10	QPSK	1	1	19.41	19.43	19.39	21.0	0.0

Part27Q n77 Ant1 Other PA DSI7 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					3500.01			
Frequency (MHz)					633334			
100	1/2 BPSK	1	1		22.40		24.0	0.0
100	1/2 BPSK	1	137		22.41			
100	1/2 BPSK	1	271		22.29			
100	1/2 BPSK	135	0		22.36		24.0	0.0
100	1/2 BPSK	138	69		22.40		24.0	0.0
100	1/2 BPSK	138	138		22.22		24.0	0.0
100	1/2 BPSK	270	0		22.31			
100	QPSK	1	1		22.39			
100	QPSK	1	137		22.28		24.0	0.0
100	QPSK	1	271		22.38			
100	QPSK	138	0		22.41		24.0	0.0
100	QPSK	138	69		22.43		24.0	0.0
100	QPSK	138	138		22.37		24.0	0.0
100	QPSK	270	0		22.43			
100	16QAM	1	1		22.34		24.0	0.0
100	16QAM	1	1		22.42		24.0	0.0
100	256QAM	1	1		21.62		23.2	0.6
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3496	3500.01	3505.02	limit (dB)	(dB)
90	QPSK	1	1	22.40	22.48	22.42	24.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	(dB)
80	QPSK	1	1	22.42	22.48	22.45	24.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	(dB)
70	QPSK	1	1	22.44	22.42	22.59	24.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3505.02	limit (dB)	(dB)
60	QPSK	1	1	22.39	22.44	22.47	24.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3473.02	3500.01	3505.02	limit (dB)	(dB)
50	QPSK	1	1	22.47	22.38	22.47	24.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3505.01	limit (dB)	(dB)
40	QPSK	1	1	22.46	22.47	22.44	24.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3505.02	limit (dB)	(dB)
30	QPSK	1	1	22.39	22.47	22.42	24.0	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3507.51	limit (dB)	(dB)
25	QPSK	1	1	22.41	22.42	22.40	24.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3505.01	limit (dB)	(dB)
20	QPSK	1	1	22.43	22.41	22.38	24.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3458.03	3500.01	3504.05	limit (dB)	(dB)
15	QPSK	1	1	22.45	22.42	22.40	24.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3456.04	3500.01	3504.06	limit (dB)	(dB)
10	QPSK	1	1	22.42	22.43	22.45	24.0	0.0

Part270 n78 Ant1 Other PA DSI7 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	21.54			22.5	0.0
100	1/2 BPSK	1	137	21.48				
100	1/2 BPSK	1	271	21.57				
100	1/2 BPSK	135	0	21.41			22.5	0.0
100	1/2 BPSK	135	69	21.59			22.5	0.0
100	1/2 BPSK	135	138	21.51			22.5	0.0
100	1/2 BPSK	270	0	21.44				
100	QPSK	1	1	21.61				
100	QPSK	1	137	21.44			22.5	0.0
100	QPSK	1	271	21.50				
100	QPSK	135	0	21.54			22.5	0.0
100	QPSK	135	69	21.55			22.5	0.0
100	QPSK	135	138	21.53			22.5	0.0
100	QPSK	270	0	21.44				
100	16QAM	1	1	21.33			22.5	0.0
100	64QAM	1	1	21.41			22.5	0.0
100	256QAM	1	1	21.53			22.5	0.0
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3743.02	3750	3753.01	limit	(dB)
90	QPSK	1	1	21.52	21.55	21.59	22.5	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	21.51	21.57	21.51	22.5	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	21.57	21.55	21.50	22.5	0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3743.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	21.50	21.52	21.50	22.5	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3743.01	3750	3763.02	limit	(dB)
50	QPSK	1	1	21.59	21.58	21.52	22.5	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3740	3750	3760	limit	(dB)
40	QPSK	1	1	21.97	21.92	21.54	22.5	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3743.02	3750	3765.01	limit	(dB)
30	QPSK	1	1	21.94	21.97	21.54	22.5	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3743.5	3750	3771.5	limit	(dB)
25	QPSK	1	1	21.53	21.50	21.57	22.5	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3780.02	limit	(dB)
20	QPSK	1	1	21.56	21.51	21.58	22.5	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	21.55	21.59	21.58	22.5	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	21.58	21.52	21.58	22.5	0.0

Part27Q n78 Ant1 Other PA DSI7

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	18.94			19.5	0.0
100	1/2 BPSK	1	137	18.87				
100	1/2 BPSK	1	271	18.93				
100	1/2 BPSK	135	0	18.92			19.5	0.0
100	1/2 BPSK	135	69	18.94			19.5	0.0
100	1/2 BPSK	135	138	18.96			19.5	0.0
100	1/2 BPSK	270	0	18.95				
100	QPSK	1	1	18.98				
100	QPSK	1	137	18.83			19.5	0.0
100	QPSK	1	271	18.83				
100	QPSK	135	0	18.84			19.5	0.0
100	QPSK	135	69	18.91			19.5	0.0
100	QPSK	135	138	18.90			19.5	0.0
100	QPSK	270	0	18.85				
100	16QAM	1	1	18.92			19.5	0.0
100	64QAM	1	1	18.84			19.5	0.0
100	256QAM	1	1	18.92			19.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3485	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	18.97	18.99	18.90	19.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	18.92	18.93	18.88	19.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	18.90	18.92	18.89	19.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	18.94	18.91	18.92	19.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	18.89	18.95	18.87	19.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	18.91	18.93	18.89	19.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	18.96	18.88	18.95	19.5	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	18.91	18.88	18.96	19.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1				19.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1				19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1				19.5	0.0

Part27Q n78 Ant1 Other PA DSI7 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	21.91			22.5	0.0
100	1/2 BPSK	1	137	21.78				
100	1/2 BPSK	1	271	22.01				
100	1/2 BPSK	135	0	21.96			22.5	0.0
100	1/2 BPSK	135	69	21.90			22.5	0.0
100	1/2 BPSK	135	138	21.97			22.5	0.0
100	1/2 BPSK	270	0	21.88				
100	QPSK	1	1	22.05				
100	QPSK	1	137	21.92			22.5	0.0
100	QPSK	1	271	21.83				
100	QPSK	135	0	21.90			22.5	0.0
100	QPSK	135	69	21.95			22.5	0.0
100	QPSK	135	138	21.84			22.5	0.0
100	QPSK	270	0	21.94				
100	16QAM	1	1	21.88			22.5	0.0
100	64QAM	1	1	21.89			22.5	0.0
100	256QAM	1	1	21.98			22.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	3495	3500.01	3505.02	22.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	3485.01	3500.01	3515.01	22.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3480.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	3485.01	3500.01	3515.01	22.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	3475.02	3500.01	3525	22.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
50	QPSK	1	1	3470.01	3500.01	3530.01	22.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	3465	3500.01	3535.02	22.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	3462.51	3500.01	3537.51	22.5	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	3460.02	3500.01	3540	22.5	0.0

n2 Ant5 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	24.30	24.38	24.31	25.3	0.0	
40	1/2 BPSK	1	108	24.37	24.41	24.33			
40	1/2 BPSK	1	214	24.40	24.42	24.31			
40	1/2 BPSK	108	0	23.66	23.75	23.72	24.8	0.5	
40	1/2 BPSK	108	54	24.28	24.31	24.25	25.3	0.0	
40	1/2 BPSK	108	108	23.74	23.82	23.81	24.8	0.5	
40	1/2 BPSK	216	0	23.92	23.95	23.86			
40	QPSK	1	1	24.45	24.46	24.44	25.3	0.0	
40	QPSK	1	108	24.29	24.34	24.29			
40	QPSK	1	214	24.26	24.36	24.25			
40	QPSK	108	0	23.19	23.26	23.16	24.3	1.0	
40	QPSK	108	54	24.28	24.34	24.25	25.3	0.0	
40	QPSK	108	108	23.12	23.20	23.11	24.3	1.0	
40	QPSK	216	0	23.33	23.35	23.25			
40	16QAM	1	1	23.14	23.19	23.13	24.3	1.0	
40	64QAM	1	1	21.96	21.85	21.99	22.8	2.5	
40	256QAM	1	1	19.92	19.61	19.51	20.8	4.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)		
35	QPSK	1	1	24.37	24.43	24.42	25.3	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1895	limit (dB)		
30	QPSK	1	1	24.30	24.44	24.23	25.3	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1897.5	limit (dB)		
25	QPSK	1	1	24.38	24.32	24.40	25.3	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1880	1900	limit (dB)		
20	QPSK	1	1	24.33	24.32	24.35	25.3	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5	limit (dB)		
15	QPSK	1	1	24.28	24.39	24.33	25.3	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1855	1880	1905	limit (dB)		
10	QPSK	1	1	24.32	24.29	24.36	25.3	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1880	1907.5	limit (dB)		
5	QPSK	1	1	24.43	24.44	24.38	25.3	0.0	

n7 Ant5 DSI7									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	25.25	25.34	25.30	25.7	0.0	
40	1/2 BPSK	1	108	25.16	25.22	25.12			
40	1/2 BPSK	1	214	25.19	25.24	25.20			
40	1/2 BPSK	108	0	24.68	24.75	24.64	25.2	0.5	
40	1/2 BPSK	108	54	25.27	25.32	25.22	25.7	0.0	
40	1/2 BPSK	108	108	24.83	24.89	24.79	25.2	0.5	
40	1/2 BPSK	216	0	24.71	24.78	24.68			
40	QPSK	1	1	25.31	25.37	25.35	25.7	0.0	
40	QPSK	1	108	25.14	25.24	25.16			
40	QPSK	1	214	25.13	25.19	25.13			
40	QPSK	108	0	24.17	24.25	24.21	24.7	1.0	
40	QPSK	108	54	25.17	25.27	25.24	25.7	0.0	
40	QPSK	108	108	24.07	24.10	24.09	24.7	1.0	
40	QPSK	216	0	24.31	24.35	24.27			
40	16QAM	1	1	24.29	24.31	24.28	24.7	1.0	
40	64QAM	1	1	22.70	22.80	22.77	23.2	2.5	
40	256QAM	1	1	20.58	20.66	20.58	21.2	4.5	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	25.23	25.31	25.24	25.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555	limit (dB)		
30	QPSK	1	1	25.24	25.33	25.32	25.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	25.23	25.33	25.29	25.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	1/2 BPSK	1	1	25.23	25.30	25.25	25.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	25.24	25.32	25.30	25.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2532	2565	limit (dB)		
10	QPSK	1	1	25.24	25.28	25.29	25.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	25.22	25.34	25.33	25.7	0.0	

n66 Ant5 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	24.98	25.03	24.93	25.7	0.0	
40	1/2 BPSK	1	108	24.74	24.82	24.76			
40	1/2 BPSK	1	214	24.72	24.77	24.68			
40	1/2 BPSK	108	0	24.62	24.68	24.59	25.2	0.5	
40	1/2 BPSK	108	54	24.76	24.83	24.81	25.7	0.0	
40	1/2 BPSK	108	108	24.57	24.63	24.58	25.2	0.5	
40	1/2 BPSK	216	0	24.70	24.78	24.71			
40	QPSK	1	1	25.14	25.17	25.14	25.7	0.0	
40	QPSK	1	108	24.84	24.71	24.68			
40	QPSK	1	214	24.78	24.85	24.84			
40	QPSK	108	0	24.09	24.15	24.11	24.7	1.0	
40	QPSK	108	54	24.89	24.95	24.91	25.7	0.0	
40	QPSK	108	108	24.12	24.16	24.08	24.7	1.0	
40	QPSK	216	0	24.15	24.21	24.12			
40	16QAM	1	1	24.01	24.02	23.94	24.7	1.0	
40	64QAM	1	1	22.49	22.59	22.56	23.2	2.5	
40	256QAM	1	1	20.46	20.55	20.50	21.2	4.5	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)		
35	QPSK	1	1	25.12	25.15	25.05	25.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	limit (dB)		
30	QPSK	1	1	25.08	25.20	25.09	25.7	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	QPSK	1	1	25.03	25.24	25.09	25.7	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	25.09	25.17	25.12	25.7	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)		
15	QPSK	1	1	25.11	25.20	25.11	25.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	limit (dB)		
10	QPSK	1	1	25.05	25.18	25.05	25.7	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)		
5	QPSK	1	1	25.08	25.15	25.12	25.7	0.0	

n38 Ant5 DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 518004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	25.05	25.15	25.01		
40	1/2 BPSK	1	53	24.94	25.03	24.98	25.7	0.0
40	1/2 BPSK	1	104	24.89	24.98	24.96		
40	1/2 BPSK	50	0	24.55	24.64	24.57	25.2	0.5
40	1/2 BPSK	50	26	25.05	25.09	25.05	25.7	0.0
40	1/2 BPSK	50	56	24.37	24.41	24.36	25.2	0.5
40	1/2 BPSK	100	0	24.52	24.58	24.53		
40	QPSK	1	1	25.07	25.17	25.07		
40	QPSK	1	53	24.89	24.93	24.88	25.7	0.0
40	QPSK	1	104	24.86	24.90	24.86		
40	QPSK	50	0	23.97	24.03	23.98	24.7	1.0
40	QPSK	50	26	24.85	24.91	24.85	25.7	0.0
40	QPSK	50	56	23.89	23.91	23.85	24.7	1.0
40	QPSK	100	0	24.07	24.12	24.06		
40	16QAM	1	1	23.93	23.96	23.95	24.7	1.0
40	16QAM	1	1	22.59	22.61	22.52	23.2	2.5
40	256QAM	1	1	20.54	20.56	20.53	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.01	2595	2604.99	limit (dB)	
30	QPSK	1	1	24.95	25.15	25.02	25.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.52	2595	2607.48	limit (dB)	
25	QPSK	1	1	25.05	25.10	24.97	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610	limit (dB)	
20	QPSK	1	1	25.04	25.14	25.03	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)	
15	QPSK	1	1	25.03	25.12	25.03	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2593.02	2595	2614.98	limit (dB)	
10	QPSK	1	1	25.03	25.16	24.98	25.7	0.0

n41 Ant5 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 520000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	24.94	25.05	24.99		
100	1/2 BPSK	1	137	24.94	25.01	24.97	25.7	0.0
100	1/2 BPSK	1	271	25.08	25.11	25.07		
100	1/2 BPSK	135	0	24.94	25.05	24.96	25.7	0.0
100	1/2 BPSK	135	69	24.97	25.07	25.05	25.7	0.0
100	1/2 BPSK	135	138	25.00	25.09	24.99	25.7	0.0
100	1/2 BPSK	270	0	25.04	25.09	25.06		
100	QPSK	1	1	25.16	25.18	25.12		
100	QPSK	1	137	24.95	25.02	24.95	25.7	0.0
100	QPSK	1	271	25.04	25.12	25.07		
100	QPSK	135	0	24.95	25.00	24.94	25.7	0.0
100	QPSK	135	69	25.04	25.07	24.97	25.7	0.0
100	QPSK	135	138	24.95	25.05	24.97	25.7	0.0
100	QPSK	270	0	24.11	24.16	24.12		
100	16QAM	1	1	24.84	24.91	24.85	25.7	0.0
100	16QAM	1	1	24.94	24.96	24.95	25.2	0.5
100	256QAM	1	1	23.38	23.42	23.35	23.7	2.0
Channel								
Frequency (MHz)				508200	518598	528996	Tune-up MPR	
Channel				2541	2592.99	2644.98	limit (dB)	
90	QPSK	1	1	25.06	25.15	25.07	25.7	0.0
Channel								
Frequency (MHz)				507204	518598	529998	Tune-up MPR	
Channel				2536.02	2592.99	2646.99	limit (dB)	
80	QPSK	1	1	25.09	25.13	25.03	25.7	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up MPR	
Channel				2531.01	2592.99	2655	limit (dB)	
70	QPSK	1	1	25.05	25.15	25.05	25.7	0.0
Channel								
Frequency (MHz)				505200	518598	531696	Tune-up MPR	
Channel				2526	2592.99	2658.98	limit (dB)	
60	QPSK	1	1	25.08	25.11	25.10	25.7	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up MPR	
Channel				2521.02	2592.99	2664.97	limit (dB)	
50	QPSK	1	1	25.14	25.14	25.03	25.7	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up MPR	
Channel				2516.01	2592.99	2670	limit (dB)	
40	QPSK	1	1	25.07	25.11	25.07	25.7	0.0
Channel								
Frequency (MHz)				502200	518598	534996	Tune-up MPR	
Channel				2511	2592.99	2674.96	limit (dB)	
30	QPSK	1	1	25.07	25.14	25.10	25.7	0.0
Channel								
Frequency (MHz)				502200	518598	534996	Tune-up MPR	
Channel				2511	2592.99	2674.96	limit (dB)	
25	QPSK	1	1	25.14	25.08	25.07	25.7	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up MPR	
Channel				2506.02	2592.99	2679.95	limit (dB)	
20	QPSK	1	1	25.14	25.16	25.01	25.7	0.0
Channel								
Frequency (MHz)				500700	518598	536496	Tune-up MPR	
Channel				2500.5	2592.99	2683.48	limit (dB)	
15	QPSK	1	1	25.08	25.10	25.02	25.7	0.0
Channel								
Frequency (MHz)				500202	518598	537000	Tune-up MPR	
Channel				2491.01	2592.99	2686	limit (dB)	
10	QPSK	1	1	25.05	25.11	25.06	25.7	0.0

n2 Ant6 DSI7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				374000	376000	378000					
Frequency (MHz)				1870	1880	1890					
40	1/2 BPSK	1	1	23.59	23.65	23.58	25.2	0.0			
40	1/2 BPSK	1	108	23.56	23.62	23.51					
40	1/2 BPSK	1	214	23.79	23.87	23.77					
40	1/2 BPSK	108	0	23.13	23.19	23.09				24.7	
40	1/2 BPSK	108	54	23.58	23.65	23.59				25.2	
40	1/2 BPSK	108	108	23.14	23.16	23.11	24.7	0.5	0.5		
40	1/2 BPSK	216	0	23.17	23.26	23.25					
40	QPSK	1	1	23.81	23.91	23.85					
40	QPSK	1	108	23.66	23.69	23.58	25.2			0.0	
40	QPSK	1	214	23.85	23.90	23.83					
40	QPSK	108	0	22.62	22.64	22.55	24.2	1.0	1.0		
40	QPSK	108	54	23.68	23.73	23.71	25.2				
40	QPSK	108	108	22.66	22.73	22.64	24.2				
40	QPSK	216	0	22.74	22.81	22.73					
40	16QAM	1	1	22.41	22.52	22.47	24.2	1.0	1.0		
40	16QAM	1	1	20.96	21.04	20.98	22.7				
40	256QAM	1	1	19.91	19.98	19.93	20.7				
Channel				373500	376000	378500	Tune-up limit (dB)	MPR			
Frequency (MHz)				1867.5	1880	1892.5	limit (dB)				
35	QPSK	1	1	23.77	23.84	23.74	25.2	0.0	0.0		
Channel				373000	376000	379000	Tune-up limit (dB)				
Frequency (MHz)				1865	1880	1895	limit (dB)				
30	QPSK	1	1	23.74	23.80 <td>23.76</td> <td>25.2</td>	23.76	25.2				
Channel				372500	376000	379500	Tune-up limit (dB)				
Frequency (MHz)				1862.5	1880	1897.5	limit (dB)				
25	QPSK	1	1	23.75	23.87	23.83	25.2	0.0	0.0		
Channel				372000	376000	380000	Tune-up limit (dB)				
Frequency (MHz)				1860	1880	1900	limit (dB)				
20	QPSK	1	1	23.76	23.86	23.83	25.2				
Channel				371500	376000	380500	Tune-up limit (dB)				
Frequency (MHz)				1857.5	1880	1902.5	limit (dB)				
15	QPSK	1	1	23.74	23.90	23.74	25.2	0.0	0.0		
Channel				371000	376000	381000	Tune-up limit (dB)				
Frequency (MHz)				1855	1880	1905	limit (dB)				
10	QPSK	1	1	23.80	23.82	23.76	25.2				
Channel				370500	376000	381500	Tune-up limit (dB)				
Frequency (MHz)				1852.5	1880	1907.5	limit (dB)				
5	QPSK	1	1	23.75	23.80	23.80	25.2	0.0	0.0		

n7 Ant6 DSI7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	24.90	24.94	24.87		25.7	0.0	
40	1/2 BPSK	1	108	24.99	25.03	24.97				
40	1/2 BPSK	1	214	24.91	25.00	24.92				
40	1/2 BPSK	108	0	24.44	24.49	24.40	25.2			
40	1/2 BPSK	108	54	25.00	25.05	25.01	25.7			
40	1/2 BPSK	108	108	24.43	24.49	24.47	25.2	0.5	0.5	
40	1/2 BPSK	216	0	24.56	24.66	24.62				
40	QPSK	1	1	25.00	25.05	25.00				
40	QPSK	1	108	24.81	24.83	24.73	25.7			
40	QPSK	1	214	24.94	25.02	24.93				
40	QPSK	108	0	23.85	24.03	23.88	24.7	1.0	1.0	
40	QPSK	108	54	24.72	24.83	24.81	25.7			
40	QPSK	108	108	23.80	23.71	23.66	24.7			
40	QPSK	216	0	23.96	23.99	23.95				
40	16QAM	1	1	23.55	23.60	23.50	24.7	1.0	1.0	
40	16QAM	1	1	22.01	22.12	22.08	23.2			
40	256QAM	1	1	20.01	20.06	19.99	21.2			
Channel				503500	507000	510500	Tune-up limit (dB)	MPR		
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)			
35	QPSK	1	1	24.95	24.95	24.95	25.7	0.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dB)			
Frequency (MHz)				2515	2535	2555	limit (dB)			
30	QPSK	1	1	24.93	24.96	24.93	25.7			
Channel				502500	507000	511500	Tune-up limit (dB)			
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)			
25	QPSK	1	1	24.93	25.03	24.93	25.7	0.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dB)			
Frequency (MHz)				2510	2535	2560	limit (dB)			
20	1/2 BPSK	1	1	24.89	24.97	24.94	25.7			
Channel				501500	507000	512500	Tune-up limit (dB)			
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)			
15	QPSK	1	1	24.95	25.00	24.91	25.7	0.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)			
Frequency (MHz)				2505	2535	2565	limit (dB)			
10	QPSK	1	1	24.91	25.03	24.93	25.7			
Channel				500500	507000	513500	Tune-up limit (dB)			
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)			
5	QPSK	1	1	24.93	24.97	24.99	25.7	0.0	0.0	

n66 Ant6 DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	24.27	24.31	24.21		25.7	0.0	
40	1/2 BPSK	1	108	23.97	23.99	23.93				
40	1/2 BPSK	1	214	24.06	24.10	24.03				
40	1/2 BPSK	108	0	23.37	23.45	23.36	25.2			
40	1/2 BPSK	108	54	23.96	23.98	23.88	25.7			
40	1/2 BPSK	108	108	23.35	23.45	23.37	25.2	0.5	0.5	
40	1/2 BPSK	216	0	23.53	23.55	23.45				
40	QPSK	1	1	24.35	24.38	24.34				
40	QPSK	1	108	23.91	23.93	23.90				
40	QPSK	1	214	24.00	24.10	24.04	25.7			
40	QPSK	108	0	22.95	23.00	22.96	24.7	1.0	1.0	
40	QPSK	108	54	23.95	23.99	23.90	25.7			
40	QPSK	108	108	22.85	22.84	22.90	24.7			
40	QPSK	216	0	23.02	23.06	23.00				
40	16QAM	1	1	23.12	23.21	23.12	24.7	1.0	1.0	
40	16QAM	1	1	21.62	21.70	21.68	23.2			
40	256QAM	1	1	19.53	19.61	19.56	21.2			
Channel				345500	349000	352500	Tune-up limit (dB)	MPR		
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)			
35	QPSK	1	1	24.28	24.35	24.32	0.0	0.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dB)			
Frequency (MHz)				1725	1745	1765	limit (dB)			
30	QPSK	1	1	24.32	24.32	24.23	25.7			
Channel				344500	349000	353500	Tune-up limit (dB)			
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)			
25	QPSK	1	1	24.32	24.31	24.23	25.7	0.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)			
Frequency (MHz)				1720	1745	1770	limit (dB)			
20	QPSK	1	1	24.25	24.34	24.33	25.7			
Channel				343500	349000	354500	Tune-up limit (dB)			
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)			
15	QPSK	1	1	24.32	24.33	24.31	25.7	0.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)			
Frequency (MHz)				1715	1745	1775	limit (dB)			
10	QPSK	1	1	24.28	24.28	24.27	25.7			
Channel				342500	349000	355500	Tune-up limit (dB)			
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)			
5	QPSK	1	1	24.25	24.32	24.28	25.7	0.0	0.0	



n38 Ant6 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	24.59	24.60	24.63	25.5	0.0	
40	1/2 BPSK	1	53	24.31	24.38	24.29			
40	1/2 BPSK	1	104	24.25	24.31	24.29			
40	1/2 BPSK	50	0	23.90	23.97	23.95			
40	1/2 BPSK	50	28	24.37	24.47	24.36	25.5	0.0	
40	1/2 BPSK	50	56	23.77	23.80	23.77	25.0	0.5	
40	1/2 BPSK	100	0	23.61	23.68	23.64			
40	QPSK	1	1	24.63	24.60	24.66	25.5	0.0	
40	QPSK	1	53	24.36	24.40	24.37			
40	QPSK	1	104	24.36	24.40	24.32			
40	QPSK	50	0	23.43	23.50	23.43			
40	QPSK	50	28	24.37	24.40	24.35	25.5	0.0	
40	QPSK	50	56	23.20	23.28	23.22	24.5	1.0	
40	QPSK	100	0	23.38	23.45	23.39			
40	16QAM	1	1	23.40	23.51	23.45	24.5	1.0	
40	16QAM	1	1	22.03	22.06	21.99	23.0	2.5	
40	256QAM	1	1	19.90	19.98	19.92	21.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	517002	519000	520998	Tune-up limit (dB)	MPR	
30	QPSK	1	1	2535.01	2565	2604.99	25.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	516604	519000	521496	Tune-up limit (dB)	MPR	
25	QPSK	1	1	2532.52	2565	2607.48	25.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	516000	519000	522000	Tune-up limit (dB)	MPR	
20	QPSK	1	1	2550	2565	2610	25.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	515502	519000	522498	Tune-up limit (dB)	MPR	
15	QPSK	1	1	2577.51	2595	2617.49	25.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	515004	519000	522996	Tune-up limit (dB)	MPR	
10	QPSK	1	1	2572.02	2595	2614.98	25.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.54	24.67	24.58	25.5	0.0	

n41 Ant6 DSI7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	1/2 BPSK	1		2546.01	2592.99	2640		25.7	0.0		
100	1/2 BPSK	1	137	24.06	24.08	23.97					
100	1/2 BPSK	1	271	24.17	24.22	24.16					
100	1/2 BPSK	135	0	24.03	24.09	24.00	25.7				
100	1/2 BPSK	135	69	24.02	24.13	24.04		25.7	0.0		
100	1/2 BPSK	135	138	24.19	24.20	24.11		25.7	0.0		
100	1/2 BPSK	270	0	24.06	24.16	24.15					
100	QPSK	1	1	24.17	24.25	24.14		25.7	0.0		
100	QPSK	1	137	24.00	24.11	24.02					
100	QPSK	1	271	24.22	24.23	24.16					
100	QPSK	135	0	24.06	24.12	24.03	25.7				
100	QPSK	135	69	24.16	24.19	24.08		25.7	0.0		
100	QPSK	135	138	24.08	24.18	24.12		25.7	0.0		
100	QPSK	270	0	24.12	24.20	24.10					
100	16QAM	1	1	24.08	24.10	24.01	25.7	0.0			
100	64QAM	1	1	24.02	24.06	23.95	25.2	0.5			
100	256QAM	1	1	22.50	22.55	22.48	23.7	2.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	508200	518598	528996	Tune-up limit (dB)	MPR			
90	QPSK	1	1	24.13	24.23	24.07		25.7	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	507204	518598	528998	Tune-up limit (dB)				
80	QPSK	1	1	2536.02	2592.99	2643.99					
Channel											
Frequency (MHz)											
70	QPSK	1	1	506202	518598	531000	Tune-up limit (dB)	25.7	0.0		
70	QPSK	1	1	2531.01	2592.99	2655					
Channel											
Frequency (MHz)											
60	QPSK	1	1	505200	518598	531996	Tune-up limit (dB)				
60	QPSK	1	1	2526	2592.99	2652.98		25.7	0.0		
Channel											
Frequency (MHz)											
50	QPSK	1	1	504204	518598	532998	Tune-up limit (dB)				
50	QPSK	1	1	2517.02	2592.99	2654.99		25.7	0.0		
Channel											
Frequency (MHz)											
40	QPSK	1	1	503202	518598	534000	Tune-up limit (dB)				
40	QPSK	1	1	2516.01	2592.99	2650		25.7	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	502200	518598	534996	Tune-up limit (dB)				
30	QPSK	1	1	2511	2592.99	2654.98		25.7	0.0		
Channel											
Frequency (MHz)											
25	QPSK	1	1	501204	518598	535998	Tune-up limit (dB)				
25	QPSK	1	1	2506.02	2592.99	2650.98		25.7	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	500700	518598	536496	Tune-up limit (dB)				
20	QPSK	1	1	2501.01	2592.99	2652.98		25.7	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	500202	518598	537000	Tune-up limit (dB)				
15	QPSK	1	1	2501.01	2592.99	2652.98		25.7	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	24.09	24.21	24.05					

Part96 n48 Ant6 DSI7									
BW [MHz]	Modulat ion	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)				3570	3624.99	3679.98			
40	1/2 BPSK	1	1	24.10	24.12	24.05		25.5	0.0
40	1/2 BPSK	1	53	23.96	24.00	23.92			
40	1/2 BPSK	1	104	23.96	24.00	23.92			
40	1/2 BPSK	50	0	23.62	23.63	23.61	25.0		
40	1/2 BPSK	50	28	24.04	24.13	24.04	25.5	0.0	
40	1/2 BPSK	50	56	23.51	23.57	23.47	25.0	0.5	
40	1/2 BPSK	100	0	23.53	23.59	23.53			
40	QPSK	1	1	24.11	24.15	24.06		25.5	0.0
40	QPSK	1	53	24.01	24.02	23.98			
40	QPSK	1	104	23.96	23.98	23.92			
40	QPSK	50	0	23.02	23.09	23.02	24.5		
40	QPSK	50	28	24.01	24.05	23.97		25.5	0.0
40	QPSK	50	56	22.98	23.05	23.00	24.5	1.0	
40	QPSK	100	0	22.96	23.05	23.02			
40	16QAM	1	1	22.97	23.02	22.91	24.5	1.0	
40	64QAM	1	1	21.49	21.58	21.54	23.0	2.5	
40	256QAM	1	1	19.48	19.53	19.46	21.0	4.5	
Channel									
Frequency (MHz)				637688	641666	645666	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	3553.02	3624.99	3694.99		25.5	0.0
Channel				637688	641666	645666	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	3553.52	3624.99	3692.49		25.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	3553.09	3624.99	3692.49		25.5	0.0
10	QPSK	1	1	24.02	24.13	24.01	25.5	0.0	

Part270 n77 Ant6 DSI7 PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65600	66200			
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	25.38	25.43	25.42		27.0	0.0
100	1/2 BPSK	1	137	25.31	25.39	25.34			
100	1/2 BPSK	1	271	25.35	25.44	25.37			
100	1/2 BPSK	135	0	24.81	24.84	24.82		26.5	0.5
100	1/2 BPSK	135	69	25.35	25.41	25.40		27.0	0.0
100	1/2 BPSK	135	138	24.90	24.91	24.85		26.5	0.5
100	1/2 BPSK	270	0	24.88	24.93	24.87			
100	QPSK	1	1	25.68	25.77	25.73			
100	QPSK	1	137	25.23	25.33	25.28		27.0	0.0
100	QPSK	1	271	25.40	25.42	25.34			
100	QPSK	135	0	24.31	24.33	24.26		26.0	1.0
100	QPSK	135	69	25.29	25.31	25.30		27.0	0.0
100	QPSK	135	138	24.39	24.41	24.32		26.0	1.0
100	QPSK	270	0	24.36	24.42	24.38			
100	16QAM	1	1	24.31	24.36	24.34		26.0	1.0
100	64QAM	1	1	22.81	22.88	22.81		24.5	2.5
100	256QAM	1	1	20.80	20.86	20.76		22.5	4.5
Channel				648668	656000	662334	Tune-up MPR		
Frequency (MHz)				3743.02	3840	3933.01	lim (dB)		
90	QPSK	1	1	25.57	25.70	25.69	27.0	0.0	
Channel				649334	656000	662668	Tune-up MPR		
Frequency (MHz)				3740.01	3840	3940.02	lim (dB)		
80	QPSK	1	1	25.58	25.66	25.66	27.0	0.0	
Channel				649000	656000	663000	Tune-up MPR		
Frequency (MHz)				3743	3840	3945	lim (dB)		
70	QPSK	1	1	25.63	25.65	25.69	27.0	0.0	
Channel				648668	656000	663334	Tune-up MPR		
Frequency (MHz)				3740.02	3840	3950.01	lim (dB)		
60	QPSK	1	1	25.59	25.73	25.69	27.0	0.0	
Channel				648334	656000	663668	Tune-up MPR		
Frequency (MHz)				3742.01	3840	3955.02	lim (dB)		
50	QPSK	1	1	25.61	25.68	25.72	27.0	0.0	
Channel				648000	656000	664000	Tune-up MPR		
Frequency (MHz)				3740	3840	3950	lim (dB)		
40	QPSK	1	1	25.66	25.74	25.70	27.0	0.0	
Channel				647668	656000	664334	Tune-up MPR		
Frequency (MHz)				3743.02	3840	3965.01	lim (dB)		
30	QPSK	1	1	25.62	25.68	25.72	27.0	0.0	
Channel				647500	656000	664500	Tune-up MPR		
Frequency (MHz)				3742.5	3840	3971.5	lim (dB)		
25	QPSK	1	1	25.68	25.74	25.66	27.0	0.0	
Channel				647334	656000	664668	Tune-up MPR		
Frequency (MHz)				3740.01	3840	3980.02	lim (dB)		
20	QPSK	1	1	25.60	25.76	25.68	27.0	0.0	
Channel				647168	656000	664834	Tune-up MPR		
Frequency (MHz)				3707.52	3840	3997.51	lim (dB)		
15	QPSK	1	1	25.64	25.76	25.66	27.0	0.0	
Channel				647000	656000	665000	Tune-up MPR		
Frequency (MHz)				3705	3840	4005	lim (dB)		
10	QPSK	1	1	25.58	25.69	25.70	27.0	0.0	

Part27Q n77 Ant6 DSI7									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	23.81				25.5	0.0
100	1/2 BPSK	1	137	23.83					
100	1/2 BPSK	1	271	23.98					
100	1/2 BPSK	135	0	23.81				25.5	0.0
100	1/2 BPSK	135	69	23.77				25.5	0.0
100	1/2 BPSK	135	138	23.89				25.5	0.0
100	1/2 BPSK	270	0	23.85					
100	QPSK	1	1	24.02					
100	QPSK	1	137	23.77				25.5	0.0
100	QPSK	1	271	24.01					
100	QPSK	135	0	23.77				25.5	0.0
100	QPSK	135	69	23.92				25.5	0.0
100	QPSK	135	138	23.90				25.5	0.0
100	QPSK	270	0	23.84					
100	16QAM	1	1	23.70				25.5	0.0
100	64QAM	1	1	23.18				25.0	0.5
100	256QAM	1	1	21.29				23.0	2.5
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3485	3500.01	3505.02	lim (dB)		
90	QPSK	1	1	23.93	23.93	23.93	25.5	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3480.02	3500.01	3510	lim (dB)		
80	QPSK	1	1	23.97	23.95	23.91	25.5	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	lim (dB)		
70	QPSK	1	1	24.00	23.99	23.91	25.5	0.0	
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3520.02	lim (dB)		
60	QPSK	1	1	23.95	23.99	23.94	25.5	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	lim (dB)		
50	QPSK	1	1	23.90	23.93	23.97	25.5	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	lim (dB)		
40	QPSK	1	1	23.92	24.00	23.92	25.5	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	lim (dB)		
30	QPSK	1	1	23.93	23.96	23.96	25.5	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	lim (dB)		
25	QPSK	1	1	24.00	23.93	23.96	25.5	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.02	3500.01	3540	lim (dB)		
20	QPSK	1	1	23.96	23.95	23.99	25.5	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	lim (dB)		
15	QPSK	1	1	24.00	23.98	23.94	25.5	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	lim (dB)		
10	QPSK	1	1	23.94	23.92	23.92	25.5	0.0	

Part27Q n77 Ant6 DSI7 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	25.56				27.0	0.0
100	1/2 BPSK	1	137	25.52					
100	1/2 BPSK	1	271	25.79					
100	1/2 BPSK	135	0	25.13				26.5	0.5
100	1/2 BPSK	135	69	25.50				27.0	0.0
100	1/2 BPSK	135	138	25.26				26.5	0.5
100	1/2 BPSK	270	0	25.21					
100	QPSK	1	1	25.82					
100	QPSK	1	137	25.50			27.0	0.0	
100	QPSK	1	271	25.81					
100	QPSK	135	0	24.56			26.0	1.0	
100	QPSK	135	69	25.41			27.0	0.0	
100	QPSK	135	138	24.76			26.0	1.0	
100	QPSK	270	0	24.72					
100	16QAM	1	1	24.56			26.0	1.0	
100	64QAM	1	1	23.06			24.5	2.5	
100	256QAM	1	1	21.05			22.5	4.5	
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz) <td>3465</td> <td>3500.01</td> <td>3505.02</td> <td>lim (dB)</td> <td colspan="2"></td>				3465	3500.01	3505.02	lim (dB)		
90	QPSK	1	1	25.78	25.80	25.78	27.0	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz) <td>3460.02</td> <td>3500.01</td> <td>3510</td> <td>lim (dB)</td> <td colspan="2"></td>				3460.02	3500.01	3510	lim (dB)		
80	QPSK	1	1	25.71	25.75	25.75	27.0	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz) <td>3485.01</td> <td>3500.01</td> <td>3515.01</td> <td>lim (dB)</td> <td colspan="2"></td>				3485.01	3500.01	3515.01	lim (dB)		
70	QPSK	1	1	25.79	25.74	25.78	27.0	0.0	
Channel				630000	633334	636668	Tune-up MPR		
Frequency (MHz) <td>3490.00</td> <td>3500.01</td> <td>3520.02</td> <td>lim (dB)</td> <td colspan="2"></td>				3490.00	3500.01	3520.02	lim (dB)		
60	QPSK	1	1	25.77	25.78	25.80	27.0	0.0	
Channel				628668	633334	637334	Tune-up MPR		
Frequency (MHz) <td>3475.02</td> <td>3500.01</td> <td>3525</td> <td>lim (dB)</td> <td colspan="2"></td>				3475.02	3500.01	3525	lim (dB)		
50	QPSK	1	1	25.75	25.74	25.80	27.0	0.0	
Channel				627334	633334	636000	Tune-up MPR		
Frequency (MHz) <td>3470.01</td> <td>3500.01</td> <td>3530.01</td> <td>lim (dB)</td> <td colspan="2"></td>				3470.01	3500.01	3530.01	lim (dB)		
40	QPSK	1	1	25.79	25.77	25.78	27.0	0.0	
Channel				631000	633334	634668	Tune-up MPR		
Frequency (MHz) <td>3465</td> <td>3500.01</td> <td>3536.02</td> <td>lim (dB)</td> <td colspan="2"></td>				3465	3500.01	3536.02	lim (dB)		
30	QPSK	1	1	25.76	25.73	25.78	27.0	0.0	
Channel				626254	633334	633668	Tune-up MPR		
Frequency (MHz) <td>3460.01</td> <td>3500.01</td> <td>3537.01</td> <td>lim (dB)</td> <td colspan="2"></td>				3460.01	3500.01	3537.01	lim (dB)		
25	QPSK	1	1	25.74	25.73	25.72	27.0	0.0	
Channel				636668	633334	636000	Tune-up MPR		
Frequency (MHz) <td>3495.02</td> <td>3500.01</td> <td>3530</td> <td>lim (dB)</td> <td colspan="2"></td>				3495.02	3500.01	3530	lim (dB)		
20	QPSK	1	1	25.81	25.79	25.75	27.0	0.0	
Channel				630000	633334	631668	Tune-up MPR		
Frequency (MHz) <td>3495</td> <td>3500.01</td> <td>3523</td> <td>lim (dB)</td> <td colspan="2"></td>				3495	3500.01	3523	lim (dB)		
15	QPSK	1	1	25.77	25.73	25.74	27.0	0.0	
Channel				630334	633334	633634	Tune-up MPR		
Frequency (MHz) <td>3490.01</td> <td>3500.01</td> <td>3531.01</td> <td>lim (dB)</td> <td colspan="2"></td>				3490.01	3500.01	3531.01	lim (dB)		
10	QPSK	1	1	25.77	25.77	25.76	27.0	0.0	

Part270 n78 Ant6 DS17									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3750					
100	1/2 BPSK	1	1	23.81			25.5		0.0
100	1/2 BPSK	1	137	23.81					
100	1/2 BPSK	1	271	23.95					
100	1/2 BPSK	135	0	23.77			25.5	0.0	
100	1/2 BPSK	135	69	23.80			25.5	0.0	
100	1/2 BPSK	135	138	23.87			25.5	0.0	
100	1/2 BPSK	270	0	23.81			25.5	0.0	
100	QPSK	1	1	24.07			25.5		0.0
100	QPSK	1	137	23.74					
100	QPSK	1	271	24.06					
100	QPSK	135	0	23.74			25.5	0.0	
100	QPSK	135	69	23.85			25.5	0.0	
100	QPSK	135	138	23.82			25.5	0.0	
100	QPSK	270	0	23.76			25.5	0.0	
100	16QAM	1	1	23.78			25.5	0.0	
100	16QAM	1	1	23.26			25.0	0.5	
100	256QAM	1	1	21.30			23.0	2.5	
Channel									
				649668	650000	650334	Tune-up MPR		
Frequency (MHz)				3745.02	3750	3765.01	limit (dB)		
90	QPSK	1	1	24.05	23.98	24.05	25.5	0.0	
Channel									
				649334	650000	650668	Tune-up MPR		
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	24.01	24.03	24.02	25.5	0.0	
Channel									
				649000	650000	651000	Tune-up MPR		
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	23.98	24.05	24.05	25.5	0.0	
Channel									
				648668	650000	651334	Tune-up MPR		
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	23.99	24.02	24.00	25.5	0.0	
Channel									
				648334	650000	651668	Tune-up MPR		
Frequency (MHz)				3725.01	3750	3765.02	limit (dB)		
50	QPSK	1	1	23.97	24.02	23.99	25.5	0.0	
Channel									
				648000	650000	652000	Tune-up MPR		
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	23.99	24.02	24.04	25.5	0.0	
Channel									
				647668	650000	652334	Tune-up MPR		
Frequency (MHz)				3715.00	3750	3785.01	limit (dB)		
30	QPSK	1	1	24.03	23.99	23.99	25.5	0.0	
Channel									
				647500	650000	652500	Tune-up MPR		
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
25	QPSK	1	1	24.00	23.99	24.02	25.5	0.0	
Channel									
				647334	650000	652668	Tune-up MPR		
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1	24.05	24.02	23.99	25.5	0.0	
Channel									
				647168	650000	652834	Tune-up MPR		
Frequency (MHz)				3707.50	3750	3792.51	limit (dB)		
15	QPSK	1	1	23.98	24.05	23.97	25.5	0.0	
Channel									
				647000	650000	653000	Tune-up MPR		
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1	24.03	24.01	23.97	25.5	0.0	

Part270 n78 Ant6 DS17 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	25.51			27.2	0.0	
100	1/2 BPSK	1	137	25.45					
100	1/2 BPSK	1	271	25.75					
100	1/2 BPSK	135	0	25.02			26.7	0.5	
100	1/2 BPSK	135	69	25.44			27.2	0.0	
100	1/2 BPSK	135	138	25.07			26.7	0.5	
100	1/2 BPSK	270	0	24.95			26.7	0.5	
100	QPSK	1	1	25.35			27.2	0.0	
100	QPSK	1	137	25.38					
100	QPSK	1	271	25.78					
100	QPSK	135	0	24.45			26.2	1.0	
100	QPSK	135	69	25.40			27.2	0.0	
100	QPSK	135	138	24.59			26.2	1.0	
100	QPSK	270	0	24.45			26.2	1.0	
100	16QAM	1	1	24.40			26.2	1.0	
100	16QAM	1	1	22.94			24.7	2.5	
100	256QAM	1	1	20.91			22.7	4.5	
Channel									
				649668	650000	650334	Tune-up MPR		
Frequency (MHz)				3745.02	3750	3765.01	limit (dB)		
90	QPSK	1	1	25.81	25.78	25.78	27.2	0.0	
Channel									
				649334	650000	650668	Tune-up MPR		
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	25.84	25.78	25.81	27.2	0.0	
Channel									
				649000	650000	651000	Tune-up MPR		
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	25.84	25.78	25.79	27.2	0.0	
Channel									
				648668	650000	651334	Tune-up MPR		
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	25.77	25.80	25.81	27.2	0.0	
Channel									
				648334	650000	651668	Tune-up MPR		
Frequency (MHz)				3725.01	3750	3765.02	limit (dB)		
50	QPSK	1	1	25.74	25.77	25.80	27.2	0.0	
Channel									
				648000	650000	652000	Tune-up MPR		
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	25.84	25.82	25.80	27.2	0.0	
Channel									
				647668	650000	652334	Tune-up MPR		
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
30	QPSK	1	1	25.70	25.78	25.74	27.2	0.0	
Channel									
				647500	650000	652500	Tune-up MPR		
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
25	QPSK	1	1	25.82	25.83	25.77	27.2	0.0	
Channel									
				647334	650000	652668	Tune-up MPR		
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1	25.74	25.84	25.80	27.2	0.0	
Channel									
				647168	650000	652834	Tune-up MPR		
Frequency (MHz)				3707.50	3750	3792.51	limit (dB)		
15	QPSK	1	1	25.84	25.78	25.78	27.2	0.0	
Channel									
				647000	650000	653000	Tune-up MPR		
Frequency (MHz)							limit (dB)		
10	QPSK	1	1	25.76	25.82	25.78	27.2	0.0	



Part96 n48 Ant7 DSI7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
40	1/2 BPSK	1	1	3570	3624.99	3679.98		20.7	0.0		
40	1/2 BPSK	1	53	20.00	20.02	19.90					
40	1/2 BPSK	1	104	20.02	20.11	19.88					
40	1/2 BPSK	50	26	20.03	20.10	20.03	20.7				
40	1/2 BPSK	50	56	20.03	20.00	20.02	20.7	0.0	0.0		
40	1/2 BPSK	100	0	19.94	20.12	19.89	20.7				
40	QPSK	1	1	19.88	20.15	19.99					
40	QPSK	1	53	20.00	20.07	19.99	20.7				
40	QPSK	1	104	20.01	20.02	19.92		0.0	0.0		
40	QPSK	50	0	19.97	20.12	19.94	20.7				
40	QPSK	50	26	20.02	20.13	19.99	20.7				
40	QPSK	50	56	19.87	20.00	19.89	20.7				
40	QPSK	100	0	19.91	19.99	19.98	20.7	0.0	0.0		
40	16QAM	1	1	19.99	20.11	19.87	20.7				
40	16QAM	1	1	19.99	20.04	19.90	20.7				
40	256QAM	1	1	19.89	20.14	19.91	20.7				
Channel											
Frequency (MHz)											
30	QPSK	1	1	3569.02	3624.99	3679.98	20.7	0.0	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	3573.34	3616.06	3660.00	20.7				
Channel											
Frequency (MHz)											
15	QPSK	1	1	3569.01	3624.99	3679.98	20.7	0.0	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	3571.68	3616.06	3661.56	20.7				
Channel											
Frequency (MHz)											
15	QPSK	1	1	3569.42	3624.99	3679.98	20.7	0.0	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	3570.00	3616.06	3663.32	20.7				
Channel											
Frequency (MHz)											
10	QPSK	1	1	19.90	20.07	19.97	20.7	0.0	0.0		

Part270 n77 Ant7 DSI7													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
100	1/2 BPSK	1	1	18.06	18.16	18.14	19.0	0.0	0.0				
100	1/2 BPSK	1	137	18.17	18.15	18.14							
100	1/2 BPSK	1	271	18.05	18.16	18.05							
100	1/2 BPSK	135	0	18.14	18.09	18.09							
100	1/2 BPSK	135	69	18.01	18.12	18.05	19.0	0.0	0.0				
100	1/2 BPSK	135	138	18.02	18.12	18.10							
100	1/2 BPSK	270	0	18.17	18.16	18.06							
100	QPSK	1	1	18.06	18.19	18.07							
100	QPSK	1	137	18.01	18.15	18.13	19.0	0.0	0.0				
100	QPSK	1	271	18.00	18.08	18.07							
100	QPSK	135	0	18.04	18.13	18.06							
100	QPSK	135	69	18.14	18.17	18.12							
100	QPSK	135	138	18.14	18.08	18.01	19.0	0.0	0.0				
100	QPSK	270	0	18.00	18.14	18.06							
100	16QAM	1	1	18.15	18.05	18.08							
100	64QAM	1	1	18.12	18.09	18.17							
100	256QAM	1	1	18.15	18.14	18.08	19.0	0.0	0.0				
Channel													
Frequency (MHz)													
90	QPSK	1	1	17.99	18.15	18.00	19.0			0.0	0.0		
Channel													
Frequency (MHz)													
80	QPSK	1	1	17.99	18.17	18.05	19.0	0.0	0.0				
Channel													
Frequency (MHz)													
70	QPSK	1	1	18.01	18.15	18.05	19.0			0.0	0.0		
Channel													
Frequency (MHz)													
60	QPSK	1	1	17.97	18.09	18.05	19.0	0.0	0.0				
Channel													
Frequency (MHz)													
50	QPSK	1	1	18.00	18.13	17.99	19.0			0.0	0.0		
Channel													
Frequency (MHz)													
40	QPSK	1	1	18.01	18.13	17.98	19.0	0.0	0.0				
Channel													
Frequency (MHz)													
30	QPSK	1	1	18.05	18.10	18.04	19.0			0.0	0.0		
Channel													
Frequency (MHz)													
25	QPSK	1	1	18.03	18.10	17.98	19.0	0.0	0.0				
Channel													
Frequency (MHz)													
20	QPSK	1	1	18.02	18.11	17.99	19.0			0.0	0.0		
Channel													
Frequency (MHz)													
15	QPSK	1	1	17.99	18.10	17.98	19.0	0.0	0.0				
Channel													
Frequency (MHz)													
10	QPSK	1	1	17.96	18.13	18.06	19.0						

Part270 n77 Ant7 DSI7 PC2															
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	21.03	21.15	21.16	22.0	0.0	0.0						
100	1/2 BPSK	1	137	21.24	21.22	21.22									
100	1/2 BPSK	1	271	20.98	21.17	21.13									
100	1/2 BPSK	135	0	21.12	21.11	21.07									
100	1/2 BPSK	135	69	21.01	21.22	21.02	22.0	0.0	0.0						
100	1/2 BPSK	135	138	21.10	21.16	21.04									
100	1/2 BPSK	270	0	21.29	21.29	21.09									
100	QPSK	1	1	21.01	21.31	21.12									
100	QPSK	1	137	20.95	21.10	21.16	22.0	0.0	0.0						
100	QPSK	1	271	21.06	21.01	21.02									
100	QPSK	135	0	21.00	21.11	21.05									
100	QPSK	135	69	21.19	21.21	21.18									
100	QPSK	135	138	21.15	21.11	20.94	22.0	0.0	0.0						
100	QPSK	270	0	20.98	21.07	21.02									
100	16QAM	1	1	21.07	21.09	21.07									
100	64QAM	1	1	21.12	21.11	21.12									
100	256QAM	1	1	21.12	21.18	21.14	22.0	0.0	0.0						
Channel															
Frequency (MHz)															
90	QPSK	1	1	20.98	21.21	21.02				22.0	0.0	0.0			
Channel															
Frequency (MHz)															
80	QPSK	1	1	20.97	21.24	21.00									
Channel															
Frequency (MHz)															
70	QPSK	1	1	20.95	21.25	21.10	22.0	0.0	0.0						
Channel															
Frequency (MHz)															
60	QPSK	1	1	20.90	21.23	21.04									
Channel															
Frequency (MHz)															
50	QPSK	1	1	20.98	21.27	21.08	22.0	0.0	0.0						
Channel															
Frequency (MHz)															
40	QPSK	1	1	20.98	21.24	21.10									
Channel															
Frequency (MHz)															
30	QPSK	1	1	20.95	21.29		22.0	0.0	0.0						
Channel															
Frequency (MHz)															
25	QPSK	1	1	20.94	21.24										
Channel															
Frequency (MHz)															
20	QPSK	1	1	20.93	21.24		22.0	0.0	0.0						
Channel															
Frequency (MHz)															
15	QPSK	1	1	20.92	21.27										
Channel															
Frequency (MHz)															
10	QPSK	1	1	20.96	21.30	21.03	22.0	0.0	0.0						
Channel															
Frequency (MHz)															
5	QPSK	1	1	20.95	21.33										

Part27Q n77 Ant7 DSI7 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	21.25			22.0	0.0	
100	1/2 BPSK	1	137	21.25					
100	1/2 BPSK	1	271	21.25					
100	1/2 BPSK	135	0	21.29			22.0	0.0	
100	1/2 BPSK	135	69	21.17			22.0	0.0	
100	1/2 BPSK	135	138	21.29			22.0	0.0	
100	1/2 BPSK	270	0	21.26					
100	QPSK	1	1	21.33					
100	QPSK	1	137	21.10			22.0	0.0	
100	QPSK	1	271	21.19					
100	QPSK	135	0	21.18			22.0	0.0	
100	QPSK	135	69	21.28			22.0	0.0	
100	QPSK	135	138	21.27			22.0	0.0	
100	QPSK	270	0	21.25					
100	16QAM	1	1	21.36			22.0	0.0	
100	64QAM	1	1	21.26			22.0	0.0	
100	256QAM	1	1	21.16			22.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)	
90	QPSK	1	1	21.33	21.32	21.30	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480.02	3500.01	3510	lim	(dB)	
80	QPSK	1	1	21.34	21.36	21.34	22.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	lim	(dB)	
70	QPSK	1	1	21.31	21.32	21.32	22.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3500.01	3500.02	lim	(dB)	
60	QPSK	1	1	21.29	21.32	21.33	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3500.01	3505	lim	(dB)	
50	QPSK	1	1	21.31	21.32	21.38	22.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3500.01	3503.01	lim	(dB)	
40	QPSK	1	1	21.31	21.32	21.30	22.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3500.01	3505.01	lim	(dB)	
30	QPSK	1	1	21.30	21.34	21.32	22.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dB)	MPR	
Frequency (MHz)				3462.51	3500.01	3507.51	lim	(dB)	
25	QPSK	1	1	21.36	21.34	21.37	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3500.01	3500	lim	(dB)	
20	QPSK	1	1	21.38	21.34	21.34	22.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.51	3500.01	3506.51	lim	(dB)	
15	QPSK	1	1	21.30	21.36	21.32	22.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3500.01	3506.01	lim	(dB)	
10	QPSK	1	1	21.29	21.31	21.30	22.0	0.0	

Part27O n78 Ant7 DSI7									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	18.92			19.5	0.0	
100	1/2 BPSK	1	137	18.90					
100	1/2 BPSK	1	271	18.83					
100	1/2 BPSK	135	0	18.92			19.5	0.0	
100	1/2 BPSK	135	69	18.88			19.5	0.0	
100	1/2 BPSK	135	138	18.87			19.5	0.0	
100	1/2 BPSK	270	0	18.78					
100	QPSK	1	1	18.85					
100	QPSK	1	137	18.88			19.5	0.0	
100	QPSK	1	271	18.76					
100	QPSK	135	0	18.89			19.5	0.0	
100	QPSK	135	69	18.91			19.5	0.0	
100	QPSK	135	138	18.88			19.5	0.0	
100	QPSK	270	0	18.87					
100	16QAM	1	1	18.86			19.5	0.0	
100	64QAM	1	1	18.78			19.5	0.0	
100	256QAM	1	1	18.87			19.5	0.0	
Channel				649688	650000	650334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3750	3755.01	lim	(dB)	
90	QPSK	1	1	18.94	18.95	18.93	19.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	lim	(dB)	
80	QPSK	1	1	18.92	18.93	18.90	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735	3750	3765	lim	(dB)	
70	QPSK	1	1	18.89	18.95	18.88	19.5	0.0	
Channel				648688	650000	651334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3750	3770.01	lim	(dB)	
60	QPSK	1	1	18.91	18.94	18.92	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3750	3775.02	lim	(dB)	
50	QPSK	1	1	18.93	18.85	18.85	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3750	3780	lim	(dB)	
40	QPSK	1	1	18.92	18.88	18.85	19.5	0.0	
Channel				647688	650000	652334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3750	3785.01	lim	(dB)	
30	QPSK	1	1	18.86	18.92	18.88	19.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dB)	MPR	
Frequency (MHz)				3712.5	3750	3787.5	lim	(dB)	
25	QPSK	1	1	18.87	18.93	18.85	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3750	3790.02	lim	(dB)	
20	QPSK	1	1	18.86	18.91	18.89	19.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.51	3750	3792.51	lim	(dB)	
15	QPSK	1	1	18.90	18.86	18.88	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705	3750	3795	lim	(dB)	
10	QPSK	1	1	18.90	18.93	18.84	19.5	0.0	

Part27O n78 Ant7 DSI7 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	21.95			22.5	0.0	
100	1/2 BPSK	1	137	21.90					
100	1/2 BPSK	1	271	21.85					
100	1/2 BPSK	135	0	21.94			22.5	0.0	
100	1/2 BPSK	135	69	21.90			22.5	0.0	
100	1/2 BPSK	135	138	21.85			22.5	0.0	
100	1/2 BPSK	270	0	21.79					
100	QPSK	1	1	21.96					
100	QPSK	1	137	21.89			22.5	0.0	
100	QPSK	1	271	21.74					
100	QPSK	135	0	21.91			22.5	0.0	
100	QPSK	135	69	21.93			22.5	0.0	
100	QPSK	135	138	21.90			22.5	0.0	
100	QPSK	270	0	21.87					
100	16QAM	1	1	21.77			22.5	0.0	
100	16QAM	1	137	21.87					
100	16QAM	1	271	21.85			22.5	0.0	
Channel				650000		650334			
90	QPSK	1	1	49.6868	3750	3750	22.5	MPR (dB)	
Channel				3750	3750	3750			
90	QPSK	1	1	21.88	21.88	21.90	22.5	0.0	
Channel				650334		650668			
90	QPSK	1	1	3740.01	3750	3760.02	22.5	MPR (dB)	
Channel				3750	3750	3760.02			
90	QPSK	1	1	21.90	21.88	21.94	22.5	0.0	
Channel				650668		651002			
70	QPSK	1	1	3135	3750	3765	22.5	MPR (dB)	
Channel				3750	3750	3765			
70	QPSK	1	1	21.89	21.93	21.92	22.5	0.0	
Channel				651002		651336			
60	QPSK	1	1	3135.02	3750	3760.01	22.5	MPR (dB)	
Channel				3750	3750	3760.01			
60	QPSK	1	1	21.85	21.94	21.87	22.5	0.0	
Channel				651336		651670			
40	QPSK	1	1	3135.01	3750	3765.03	22.5	MPR (dB)	
Channel				3750	3750	3765.03			
40	QPSK	1	1	21.86	21.89	21.88	22.5	0.0	
Channel				651670		652004			
40	QPSK	1	1	6476.68	650000	652334	22.5	MPR (dB)	
Channel				650000	650000	652334			
40	QPSK	1	1	3715.02	3750	3765.03	22.5	MPR (dB)	
Channel				3750	3750	3765.03			
30	QPSK	1	1	21.90	21.92	21.93	22.5	0.0	
Channel				652004		652338			
25	QPSK	1	1	3713.3	3750	3761.3	22.5	MPR (dB)	
Channel				3750	3750	3761.3			
25	QPSK	1	1	6473.34	650000	652668	22.5	MPR (dB)	
Channel				650000	650000	652668			
20	QPSK	1	1	3710.01	3750	3761.02	22.5	MPR (dB)	
Channel				3750	3750	3761.02			
20	QPSK	1	1	6477.68	650000	652934	22.5	MPR (dB)	
Channel				650000	650000	652934			
15	QPSK	1	1	3711.01	3750	3761.01	22.5	MPR (dB)	
Channel				3750	3750	3761.01			
15	QPSK	1	1	6470.00	650000	653000	22.5	MPR (dB)	
Channel				650000	650000	653000			
10	QPSK	1	1	21.93	21.89	21.89	22.5	0.0	

Part27Q n78 Ant7 DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	18.82				
100	1/2 BPSK	1	137	18.80				
100	1/2 BPSK	1	271	18.82			19.5	0.0
100	1/2 BPSK	135	0	18.80			19.5	0.0
100	1/2 BPSK	135	69	18.77			19.5	0.0
100	1/2 BPSK	135	138	18.79			19.5	0.0
100	1/2 BPSK	270	0	18.79			19.5	0.0
100	QPSK	1	1	18.85				
100	QPSK	1	137	18.78			19.5	0.0
100	QPSK	1	271	18.78			19.5	0.0
100	QPSK	135	0	18.75			19.5	0.0
100	QPSK	135	69	18.83			19.5	0.0
100	QPSK	135	138	18.76			19.5	0.0
100	QPSK	270	0	18.75			19.5	0.0
100	16QAM	1	1	18.80			19.5	0.0
100	16QAM	1	1	18.81			19.5	0.0
100	256QAM	1	1	18.82			19.5	0.0
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3485	3500.01	3503.02	limit (dB)	
90	QPSK	1	1	18.81	18.75	18.81	19.5	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	18.75	18.82	18.78	19.5	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	
70	QPSK	1	1	18.75	18.82	18.78	19.5	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1	18.80	18.82	18.82	19.5	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)	
50	QPSK	1	1	18.81	18.75	18.75	19.5	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	
40	QPSK	1	1	18.83	18.81	18.83	19.5	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	
30	QPSK	1	1	18.76	18.81	18.78	19.5	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	
25	QPSK	1	1	18.80	18.75	18.81	19.5	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3460.03	3500.01	3540	limit (dB)	
20	QPSK	1	1	18.75	18.78	18.78	19.5	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	
15	QPSK	1	1	18.75	18.78	18.83	19.5	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	
10	QPSK	1	1	18.76	18.83	18.75	19.5	0.0

Part27Q n78 Ant7 DSI7 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	21.79				
100	1/2 BPSK	1	137	21.77			22.5	0.0
100	1/2 BPSK	1	271	21.80			22.5	0.0
100	1/2 BPSK	135	0	21.79			22.5	0.0
100	1/2 BPSK	135	69	21.75			22.5	0.0
100	1/2 BPSK	135	138	21.76			22.5	0.0
100	1/2 BPSK	270	0	21.82			22.5	0.0
100	QPSK	1	1	21.86				
100	QPSK	1	137	21.77			22.5	0.0
100	QPSK	1	271	21.77			22.5	0.0
100	QPSK	135	0	21.77			22.5	0.0
100	QPSK	135	69	21.85			22.5	0.0
100	QPSK	135	138	21.76			22.5	0.0
100	QPSK	270	0	21.84			22.5	0.0
100	16QAM	1	1	21.79			22.5	0.0
100	16QAM	1	1	21.78			22.5	0.0
100	256QAM	1	1	21.83			22.5	0.0
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3485	3500.01	3503.02	limit (dB)	
90	QPSK	1	1	21.82	21.85	21.82	22.5	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	21.84	21.81	21.83	22.5	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	
70	QPSK	1	1	21.83	21.87	21.79	22.5	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1	21.83	21.85	21.80	22.5	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)	
50	QPSK	1	1	21.84	21.80	21.88	22.5	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	
40	QPSK	1	1	21.83	21.79	21.82	22.5	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	
30	QPSK	1	1	21.82	21.79	21.84	22.5	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	
25	QPSK	1	1	21.87	21.81	21.80	22.5	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)	
20	QPSK	1	1	21.81	21.83	21.81	22.5	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	
15	QPSK	1	1	21.85	21.88	21.79	22.5	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	
10	QPSK	1	1	21.86	21.84	21.86	22.5	0.0



Part96 n48 Ant8 DSI7									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	3570	3624.99	3679.98			
40	1/2 BPSK	1	53	20.08	20.16	20.15	22.0	0.0	
40	1/2 BPSK	1	104	20.11	20.17	20.09			
40	1/2 BPSK	50	0	20.52	20.56	20.51	21.5	0.5	
40	1/2 BPSK	50	48	20.59	20.64	20.55	22.0	0.0	
40	1/2 BPSK	50	56	20.25	20.27	20.20	21.5	0.5	
40	1/2 BPSK	100	0	20.25	20.29	20.26			
40	QPSK	1	1	20.65	20.72	20.66			
40	QPSK	1	53	20.12	20.16	20.06	22.0	0.0	
40	QPSK	1	104	20.08	20.19	20.14	21.0	1.0	
40	QPSK	50	0	19.62	19.86	19.80	22.0	0.0	
40	QPSK	50	28	20.55	20.66	20.56			
40	QPSK	50	56	19.67	19.77	19.68	21.0	1.0	
40	QPSK	100	0	19.92	19.96	19.91			
40	16QAM	1	1	19.13	19.20	19.10	21.0	1.0	
40	16QAM	1	1	17.70	17.71	17.63	19.5	2.5	
40	256QAM	1	1	16.09	16.14	16.07	17.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	637688	641666	645666	Tune-up	MPR	
				3552.02	3624.99	3679.98	limit (dB)		
30	QPSK	1	1	20.57	20.69	20.64	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	637334	641666	646000	Tune-up	MPR	
				3552.01	3624.99	3670	limit (dB)		
20	QPSK	1	1	20.61	20.65	20.59	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	637168	641666	646166	Tune-up	MPR	
				3557.52	3624.99	3662.40	limit (dB)		
15	QPSK	1	1	20.59	20.67	20.58	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	637000	641666	646332	Tune-up	MPR	
				3555	3624.99	3664.98	limit (dB)		
10	QPSK	1	1	20.60	20.70	20.68	22.0	0.0	

Part270 n77 Ant8 Other PA DSI7									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930			
100	1/2 BPSK	1	1	23.25	23.32	23.22	25.0	0.0	
100	1/2 BPSK	1	137	23.32	23.36	23.30			
100	1/2 BPSK	1	271	23.23	23.33	23.27			
100	1/2 BPSK	135	0	23.26	23.32	23.28	25.0	0.0	
100	1/2 BPSK	135	69	23.25	23.34	23.28	25.0	0.0	
100	1/2 BPSK	135	138	23.28	23.38	23.32	25.0	0.0	
100	1/2 BPSK	270	0	23.28	23.33	23.24			
100	QPSK	1	1	23.40	23.42	23.37			
100	QPSK	1	137	23.27	23.32	23.28	25.0	0.0	
100	QPSK	1	271	23.24	23.33	23.32	25.0	0.0	
100	QPSK	135	0	23.32	23.37	23.31	25.0	0.0	
100	QPSK	135	69	23.29	23.39	23.38	25.0	0.0	
100	QPSK	135	138	23.23	23.33	23.22	25.0	0.0	
100	QPSK	270	0	23.27	23.37	23.32			
100	16QAM	1	1	23.15	23.21	23.16	25.0	0.0	
100	64QAM	1	1	22.82	22.88	22.86	24.5	0.5	
100	256QAM	1	1	20.99	20.92	20.94	22.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	646668	656000	662334	Tune-up	MPR	
				3745.02	3840	3935.01	limit (dB)		
90	QPSK	1	1	23.32	23.39	23.33	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	646334	656000	662668	Tune-up	MPR	
				3740.01	3840	3940.02	limit (dB)		
80	QPSK	1	1	23.31	23.39	23.32	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	646000	656000	663000	Tune-up	MPR	
				3735	3840	3945	limit (dB)		
70	QPSK	1	1	23.34	23.35	23.32	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	646668	656000	663334	Tune-up	MPR	
				3740.02	3840	3950.01	limit (dB)		
60	QPSK	1	1	23.34	23.39	23.35	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	646334	656000	663668	Tune-up	MPR	
				3735.01	3840	3955.02	limit (dB)		
50	QPSK	1	1	23.34	23.38	23.28	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	646000	656000	664000	Tune-up	MPR	
				3720	3840	3960	limit (dB)		
40	QPSK	1	1	23.34	23.33	23.33	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647668	656000	664334	Tune-up	MPR	
				3715.02	3840	3965.01	limit (dB)		
30	QPSK	1	1	23.29	23.38	23.34	25.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	647500	656000	664500	Tune-up	MPR	
				3712.5	3840	3967.5	limit (dB)		
25	QPSK	1	1	23.36	23.33	23.26	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	656000	664668	Tune-up	MPR	
				3710.01	3840	3970.02	limit (dB)		
20	QPSK	1	1	23.32	23.37	23.27	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647168	656000	664834	Tune-up	MPR	
				3707.52	3840	3972.51	limit (dB)		
15	QPSK	1	1	23.37	23.31	23.35	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	656000	665000	Tune-up	MPR	
				3700	3840	3975	limit (dB)		
10	QPSK	1	1	23.32	23.40	23.31	25.0	0.0	

Part270 n77 Ant8 Other PA DSI7 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930			
100	1/2 BPSK	1	1	24.29	24.26	24.28	26.0	0.0	
100	1/2 BPSK	1	137	24.08	24.16	24.17			
100	1/2 BPSK	1	271	24.12	24.15	24.16			
100	1/2 BPSK	135	0	23.77	23.75	23.75	25.5	0.5	
100	1/2 BPSK	135	69	24.20	24.20	24.19	26.0	0.0	
100	1/2 BPSK	135	138	23.70	23.67	23.62	25.5	0.5	
100	1/2 BPSK	270	0	23.66	23.71	23.65			
100	QPSK	1	1	24.19	24.21	24.15			
100	QPSK	1	137	24.12	24.15	24.07	26.0	0.0	
100	QPSK	1	271	24.10	24.17	24.13	25.0	1.0	
100	QPSK	135	0	23.23	23.25	23.22	25.0	0.0	
100	QPSK	135	69	24.21	24.25	24.20	26.0	0.0	
100	QPSK	135	138	23.14	23.21	23.18	25.0	1.0	
100	QPSK	270	0	23.35	23.35	23.30			
100	16QAM	1	1	23.04	23.06	23.04	25.0	1.0	
100	64QAM	1	1	21.58	21.62	21.53	23.5	2.5	
100	256QAM	1	1	19.52	19.56	19.54	21.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	646668	656000	662334	Tune-up	MPR	
				3745.02	3840	3935.01	limit (dB)		
90	QPSK	1	1	24.13	24.25	24.05	26.0	0.0	

Part27Q n77 Ant8 Other PA DSI7 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	24.66			26.0	0.0
100	1/2 BPSK	1	137	24.41				
100	1/2 BPSK	1	271	24.26				
100	1/2 BPSK	135	0	24.18			25.5	0.5
100	1/2 BPSK	135	69	24.53			26.0	0.0
100	1/2 BPSK	135	138	24.06			25.5	0.5
100	1/2 BPSK	270	0	24.02				
100	QPSK	1	1	24.76				
100	QPSK	1	137	24.42			26.0	0.0
100	QPSK	1	271	24.22				
100	QPSK	135	0	23.60			25.0	1.0
100	QPSK	135	69	24.58			26.0	0.0
100	QPSK	135	138	23.48			25.0	1.0
100	QPSK	270	0	23.50				
100	16QAM	1	1	23.64			25.0	1.0
100	64QAM	1	1	23.14			23.5	2.5
100	256QAM	1	1	21.12			21.5	4.5
Channel				633000	633334	633668	Tune-up MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)	
90	QPSK	1	1	24.68	24.66	24.66	26.0	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3480.02	3500.01	3520	limit (dB)	
80	QPSK	1	1	24.71	24.72	24.68	26.0	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3483.01	3500.01	3518.01	limit (dB)	
70	QPSK	1	1	24.68	24.70	24.69	26.0	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1	24.65	24.72	24.72	26.0	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3478.00	3500.01	3522	limit (dB)	
50	QPSK	1	1	24.66	24.67	24.74	26.0	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3478.01	3500.01	3520.01	limit (dB)	
40	QPSK	1	1	24.69	24.72	24.68	26.0	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3466	3500.01	3520.01	limit (dB)	
30	QPSK	1	1	24.72	24.75	24.65	26.0	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3462.51	3500.01	3521.51	limit (dB)	
25	QPSK	1	1	24.72	24.66	24.68	26.0	0.0
Channel				630668	633334	636000	Tune-up MPR	
Frequency (MHz)				3460.00	3500.01	3540	limit (dB)	
20	QPSK	1	1	24.74	24.75	24.65	26.0	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3457.5	3500.01	3540.50	limit (dB)	
15	QPSK	1	1	24.67	24.66	24.67	26.0	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	
10	QPSK	1	1	24.67	24.72	24.72	26.0	0.0

Part27O n78 Ant8 Other PA DSI7

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	23.36			25.0	0.0
100	1/2 BPSK	1	137	23.05				
100	1/2 BPSK	1	271	23.01				
100	1/2 BPSK	135	0	23.20			25.0	0.0
100	1/2 BPSK	135	69	23.04			25.0	0.0
100	1/2 BPSK	135	138	23.04			25.0	0.0
100	1/2 BPSK	270	0	23.07				
100	QPSK	1	1	23.37				
100	QPSK	1	137	23.06			25.0	0.0
100	QPSK	1	271	23.09				
100	QPSK	135	0	23.13			25.0	0.0
100	QPSK	135	69	23.24			25.0	0.0
100	QPSK	135	138	23.09			25.0	0.0
100	QPSK	270	0	23.15				
100	16QAM	1	1	23.31			25.0	0.0
100	64QAM	1	1	22.98			24.5	0.5
100	256QAM	1	1	20.75			20.5	2.5
Channel				649668	650000	650334	Tune-up MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)	
90	QPSK	1	1	23.27	23.35	23.35	25.0	0.0
Channel				649334	650000	650668	Tune-up MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)	
80	QPSK	1	1	23.33	23.32	23.38	25.0	0.0
Channel				649000	650000	651000	Tune-up MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)	
70	QPSK	1	1	23.31	23.33	23.30	25.0	0.0
Channel				648668	650000	651334	Tune-up MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)	
60	QPSK	1	1	23.33	23.29	23.39	25.0	0.0
Channel				648334	650000	651668	Tune-up MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)	
50	QPSK	1	1	23.29	23.28	23.29	25.0	0.0
Channel				648000	650000	652000	Tune-up MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)	
40	QPSK	1	1	23.31	23.30	23.28	25.0	0.0
Channel				647668	650000	652334	Tune-up MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)	
30	QPSK	1	1	23.33	23.28	23.30	25.0	0.0
Channel				647500	650000	652500	Tune-up MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)	
25	QPSK	1	1	23.33	23.32	23.30	25.0	0.0
Channel				647334	650000	652668	Tune-up MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)	
20	QPSK	1	1	23.28	23.30	23.29	25.0	0.0
Channel				647168	650000	652834	Tune-up MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit (dB)	
15	QPSK	1	1	23.31	23.29	23.29	25.0	0.0
Channel				647000	650000	653000	Tune-up MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)	
10	QPSK	1	1	23.31	23.27	23.28	25.0	0.0

Part27O n78 Ant8 Other PA DSI7 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	1/2 BPSK	1	1	24.42			26.0	0.0
100	1/2 BPSK	1	137	24.31				
100	1/2 BPSK	1	271	24.41				
100	1/2 BPSK	135	0	23.88			25.5	0.5
100	1/2 BPSK	135	69	24.31			26.0	0.0
100	1/2 BPSK	135	138	23.79			25.5	0.5
100	1/2 BPSK	270	0	23.91				
100	QPSK	1	1	24.46				
100	QPSK	1	137	24.35			26.0	0.0
100	QPSK	1	271	24.41				
100	QPSK	135	0	23.37			25.0	1.0
100	QPSK	135	69	24.34			26.0	0.0
100	QPSK	135	138	23.34			25.0	1.0
100	QPSK	270	0	23.32				
100	16QAM	1	1	23.50			25.0	1.0
100	64QAM	1	1	22.35			23.5	2.5
100	256QAM	1	1	20.38			21.5	4.5
Channel				649668	650000	650334	Tune-up MPR	
Frequency (MHz)				3743.02	3750	3755.01	limit (dB)	
90	QPSK	1	1	24.42	24.39	24.38	26.0	0.0
Channel				649334	650000	650668	Tune-up MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)	
80	QPSK	1	1	24.42	24.42	24.43	26.0	0.0
Channel				649000	650000	651000	Tune-up MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)	
70	QPSK	1	1	24.39	24.41	24.38	26.0	0.0
Channel				648668	650000	651334	Tune-up MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)	
60	QPSK	1	1	24.39	24.37	24.35	26.0	0.0
Channel				648334	650000	651668	Tune-up MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)	
50	QPSK	1	1	24.37	24.44	24.45	26.0	0.0
Channel				648000	650000	652000	Tune-up MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)	
40	QPSK	1	1	24.37	24.41	24.43	26.0	0.0
Channel				647668	650000	652334	Tune-up MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)	
30	QPSK	1	1	24.42	24.45	24.43	26.0	0.0
Channel				647500	650000	652500	Tune-up MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)	
25	QPSK	1	1	24.40	24.39	24.41	26.0	0.0
Channel				647334	650000	652668	Tune-up MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)	
20	QPSK	1	1	24.44	24.3	24.39	26.0	0.0
Channel				647168	650000	652834	Tune-up MPR	
Frequency (MHz)				3707.5	3750	3792.5	limit (dB)	
15	QPSK	1	1	24.42	24.39	24.41	26.0	0.0
Channel				647000	650000	653000	Tune-up MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)	
10	QPSK	1	1	24.41	24.39	24.43	26.0	0.0



Part27Q n78 Ant8 Other PA DSI7									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	23.11					
100	1/2 BPSK	1	137	23.05			25.0	0.0	
100	1/2 BPSK	1	271	23.09					
100	1/2 BPSK	135	0	23.20			25.0	0.0	
100	1/2 BPSK	135	69	23.17			25.0	0.0	
100	1/2 BPSK	135	138	23.15			25.0	0.0	
100	1/2 BPSK	270	0	23.05			25.0	0.0	
100	QPSK	1	1	23.33					
100	QPSK	1	137	23.01			25.0	0.0	
100	QPSK	1	271	23.07					
100	QPSK	135	0	23.23			25.0	0.0	
100	QPSK	135	69	23.25			25.0	0.0	
100	QPSK	135	138	23.07			25.0	0.0	
100	QPSK	270	0	23.07			25.0	0.0	
100	16QAM	1	1	23.09			25.0	0.0	
100	16QAM	1	1	22.88			24.5	0.5	
100	256QAM	1	1	21.40			22.5	2.5	
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3506.02	limit (dB)		
90	QPSK	1	1	23.22	23.30	23.23	25.0	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	23.23	23.28	23.29	25.0	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	23.27	23.20	23.29	25.0	0.0	
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	23.20	23.20	23.29	25.0	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	23.24	23.29	23.25	25.0	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	23.27	23.24	23.27	25.0	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	23.24	23.21	23.25	25.0	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	23.21	23.20	23.27	25.0	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.03	3500.01	3540	limit (dB)		
20	QPSK	1	1	23.27	23.21	23.29	25.0	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	23.22	23.21	23.21	25.0	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	23.23	23.29	23.25	25.0	0.0	

Part27Q n78 Ant8 Other PA DSI7 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	25.40					
100	1/2 BPSK	1	137	25.15			26.0	0.0	
100	1/2 BPSK	1	271	24.90					
100	1/2 BPSK	135	0	24.80			25.5	0.5	
100	1/2 BPSK	135	69	25.13			26.0	0.0	
100	1/2 BPSK	135	138	24.89			25.5	0.5	
100	1/2 BPSK	270	0	24.62					
100	QPSK	1	1	25.48					
100	QPSK	1	137	25.17			26.0	0.0	
100	QPSK	1	271	24.95					
100	QPSK	135	0	24.25			25.0	1.0	
100	QPSK	135	69	25.10			26.0	0.0	
100	QPSK	135	138	24.14			25.0	1.0	
100	QPSK	270	0	24.16					
100	16QAM	1	1	24.36			25.0	1.0	
100	16QAM	1	1	22.82			23.5	2.5	
100	256QAM	1	1	20.92			21.5	4.5	
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3506.02	limit (dB)		
90	QPSK	1	1	25.42	25.45	25.43	26.0	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	25.39	25.38	25.46	26.0	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	25.33	25.39	25.46	26.0	0.0	
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	25.43	25.40	25.41	26.0	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	25.43	25.41	25.44	26.0	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	25.38	25.37	25.42	26.0	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	25.44	25.46	25.41	26.0	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	25.42	25.44	25.44	26.0	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	25.38	25.39	25.45	26.0	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	25.45	25.45	25.37	26.0	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	25.37	25.44	25.38	26.0	0.0	



Reduced Power Mode for SA DSI 8

n5 Ant0 DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	25.07	25.15	25.14			
20	1/2 BPSK	1	53	25.19	25.22	25.16	25.7	0.0	
20	1/2 BPSK	1	104	25.20	25.31	25.27			
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5	
20	1/2 BPSK	50	28	25.20	25.27	25.19	25.7	0.0	
20	1/2 BPSK	50	56	24.61	24.66	24.61			
20	1/2 BPSK	100	0	24.72	24.81	24.76	25.2	0.5	
20	QPSK	1	1	25.40	25.42	25.38			
20	QPSK	1	53	25.26	25.38	25.37			
20	QPSK	1	104	25.36	25.39	25.32	25.7	0.0	
20	QPSK	50	0	24.20	24.22	24.19	24.7	1.0	
20	QPSK	50	28	25.17	25.27	25.26	25.7	0.0	
20	QPSK	50	56	24.12	24.18	24.11	24.7	1.0	
20	QPSK	100	0	24.31	24.33	24.23			
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0	
20	64QAM	1	1	22.65	22.67	22.64	23.2	2.5	
20	256QAM	1	1	20.30	20.40	20.33	21.2	4.5	
Channel				168300	167200	168300	Tune-up MPR		
Frequency (MHz)				831.5	836.5	841.5	limit (dB)		
15	QPSK	1	1	25.39	25.28	25.22	25.7	1.0	
Channel				168300	167200	168300	Tune-up MPR		
Frequency (MHz)				820	836.5	844	limit (dB)		
10	QPSK	1	1	25.40	25.23	25.30	25.7	0.0	
Channel				168300	167300	168300	Tune-up MPR		
Frequency (MHz)				826.5	836.5	846.5	limit (dB)		
5	QPSK	1	1	25.33	25.33	25.23	25.7	0.0	

n7 Ant0 Other PA DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	22.66	22.84	22.71			
40	1/2 BPSK	1	108	22.64	22.82	22.73	23.2	0.0	
40	1/2 BPSK	1	214	22.65	22.77	22.68			
40	1/2 BPSK	108	0	22.80	22.71	22.72	23.2	0.0	
40	1/2 BPSK	108	54	22.77	22.82	22.68	23.2	0.0	
40	1/2 BPSK	108	108	22.63	22.82	22.78	23.2	0.0	
40	1/2 BPSK	216	0	22.67	22.72	22.63	23.2	0.0	
40	QPSK	1	1	22.70	22.85	22.72			
40	QPSK	1	108	22.63	22.88	22.73	23.2	0.0	
40	QPSK	1	214	22.75	22.77	22.75			
40	QPSK	108	0	22.75	22.74	22.67	23.2	0.0	
40	QPSK	108	54	22.67	22.80	22.75	23.2	0.0	
40	QPSK	108	108	22.76	22.69	22.76	23.2	0.0	
40	QPSK	216	0	22.76	22.79	22.70	23.2	0.0	
40	16QAM	1	1	22.67	22.73	22.68	23.2	0.0	
40	64QAM	1	1	22.76	22.69	22.75	23.2	0.0	
40	256QAM	1	1	20.64	20.68	20.71	21.2	2.0	
Channel				505000	507000	510000	Tune-up MPR		
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	22.60	22.81	22.65	23.2	0.0	
Channel				505000	507000	511000	Tune-up MPR		
Frequency (MHz)				2515	2535	2555	limit (dB)		
30	QPSK	1	1	22.60	22.82	22.70	23.2	0.0	
Channel				505000	507000	511500	Tune-up MPR		
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	22.67	22.83	22.62	23.2	0.0	
Channel				505000	507000	512000	Tune-up MPR		
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	QPSK	1	1	22.60	22.82	22.65	23.2	0.0	
Channel				505000	507000	512500	Tune-up MPR		
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	22.60	22.78	22.69	23.2	0.0	
Channel				505000	507000	513000	Tune-up MPR		
Frequency (MHz)				2505	2535	2565	limit (dB)		
10	QPSK	1	1	22.60	22.79	22.65	23.2	0.0	
Channel				505000	507000	513500	Tune-up MPR		
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	22.63	22.79	22.67	23.2	0.0	

n12 Ant0 DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				708.5	707.5	708.5			
15	1/2 BPSK	1	1	25.10	25.15	25.08			
15	1/2 BPSK	1	40	24.99	25.07	24.99	25.7	0.0	
15	1/2 BPSK	1	77	25.04	25.12	25.02			
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5	
15	1/2 BPSK	36	22	25.06	25.11	25.06	25.7	0.0	
15	1/2 BPSK	36	43	24.38	24.45	24.43			
15	1/2 BPSK	75	0	24.46	24.54	24.53	25.2	0.5	
15	QPSK	1	1	25.14	25.17	25.16			
15	QPSK	1	40	24.95	25.02	24.92			
15	QPSK	1	77	25.09	25.15	25.09	25.7	0.0	
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0	
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0	
15	QPSK	36	43	24.01	24.02	24.00	24.7	1.0	
15	QPSK	75	0	23.87	23.89	23.91			
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0	
15	64QAM	1	1	22.42	22.49	22.41	23.2	2.5	
15	256QAM	1	1	20.50	20.52	20.49	21.2	4.5	
Channel				142000	141500	142200	Tune-up MPR		
Frequency (MHz)				704	707.5	711	limit (dB)		
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0	
Channel				142000	141500	142700	Tune-up MPR		
Frequency (MHz)				701.5	707.5	713.5	limit (dB)		
5	QPSK	1	1	25.06	25.14	25.14	25.7	0.0	

n26 Ant0 DSI 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	25.16	25.26	25.19		
20	1/2 BPSK	1	53	25.26	25.23	25.23	25.7	0.0
20	1/2 BPSK	1	104	25.26	25.42	25.34		
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5
20	1/2 BPSK	50	28	25.25	25.36	25.27	25.7	0.0
20	1/2 BPSK	50	56	24.72	24.68	24.64		
20	1/2 BPSK	100	0	24.79	24.86	24.84	25.2	0.5
20	QPSK	1	1	25.36	25.44	25.43		
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0
20	QPSK	1	104	25.38	25.37	25.37		
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0
20	QPSK	50	28	25.18	25.37	25.32	25.7	0.0
20	QPSK	50	56	24.17	24.28	24.18	24.7	1.0
20	QPSK	100	0	24.35	24.38	24.34		
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0
20	64QAM	1	1	22.72	22.73	22.66	23.2	2.5
20	256QAM	1	1	20.41	20.42	20.35	21.2	4.5
Channel				164300	166300	167300	Tune-up	MPR
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)
15	QPSK	1	1	25.51	25.43	25.37	25.7	1.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				819	831.5	844	limit	(dB)
10	QPSK	1	1	23.34	23.59	23.33	23.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)
5	QPSK	1	1	25.30	25.36	25.32	25.7	0.0

n66 Ant0 DSI 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3446000	3460000	3482000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	18.68	18.59	18.60		
40	1/2 BPSK	1	108	18.65	18.69	18.58	20.2	0.0
40	1/2 BPSK	1	214	18.65	18.64	18.68		
40	1/2 BPSK	108	0	18.65	18.71	18.66	20.2	0.0
40	1/2 BPSK	108	54	18.65	18.63	18.73	20.2	0.0
40	1/2 BPSK	108	108	18.64	18.63	18.55		
40	1/2 BPSK	216	0	18.70	18.66	18.58	20.2	0.0
40	QPSK	1	1	18.70	18.75	18.70		
40	QPSK	1	108	18.62	18.65	18.57	20.2	0.0
40	QPSK	1	214	18.60	18.68	18.63		
40	QPSK	108	0	18.62	18.69	18.61	20.2	0.0
40	QPSK	108	54	18.65	18.73	18.72	20.2	0.0
40	QPSK	108	108	18.65	18.67	18.63	20.2	0.0
40	QPSK	216	0	18.62	18.72	18.55		
40	16QAM	1	1	18.57	18.65	18.66	20.2	0.0
40	64QAM	1	1	18.70	18.65	18.67	20.2	0.0
40	256QAM	1	1	17.60	18.01	17.92	19.7	0.5
Channel				3455000	3460000	3465000	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	18.63	18.73	18.64	20.2	1.0
Channel				3450000	3460000	3465000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	18.62	18.72	18.60	20.2	0.0
Channel				3445000	3460000	3465000	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	18.60	18.67	18.59	20.2	0.0
Channel				3440000	3460000	3460000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	18.63	18.67	18.60	20.2	0.0
Channel				3435000	3460000	3465000	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	18.65	18.68	18.63	20.2	0.0
Channel				3430000	3460000	3500000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	18.61	18.65	18.63	20.2	0.0
Channel				3425000	3460000	3505000	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	18.59	18.63	18.65	20.2	0.0

n38 Ant0 Other PA DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPS	1	1	23.97	24.24	23.95		
40	1/2 BPS	1	53	24.12	24.07	23.96	24.7	0.0
40	1/2 BPS	1	104	24.08	24.09	24.17		
40	1/2 BPS	50	0	24.10	24.01	23.93	24.7	0.0
40	1/2 BPS	50	26	23.94	24.20	24.01	24.7	0.0
40	1/2 BPS	50	56	24.13	24.13	24.07	24.7	0.0
40	1/2 BPS	100	0	24.00	24.17	24.06		
40	QPSK	1	1	24.19	24.16	24.10		
40	QPSK	1	53	24.02	24.10	24.01	24.7	0.0
40	QPSK	1	104	23.94	23.93	24.08		
40	QPSK	50	0	24.04	24.08	24.12	24.7	0.0
40	QPSK	50	26	23.99	24.06	23.90	24.7	0.0
40	QPSK	50	56	23.96	24.04	24.04		
40	QPSK	100	0	24.00	24.21	23.97	24.7	0.0
40	16QAM	1	1	24.17	24.07	23.92	24.7	0.0
40	16QAM	1	1	22.93	23.01	22.81	23.2	1.5
40	256QAM	1	1	20.76	20.91	20.62	21.2	3.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.01	2595	2604.99	<td></td>	
30	1/2 BPS	1	1	23.97	24.15	24.09	24.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.52	2595	2607.48 <td></td> <td></td>		
25	1/2 BPS	1	1	23.94	24.22	23.94	24.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	1/2 BPS	1	1	23.95	24.05	24.05	24.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	1/2 BPS	1	1	23.97	24.05	23.93	24.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2593.02	2595	2614.98		
10	1/2 BPS	1	1	23.93	24.17	24.03	24.7	0.0

n41 Ant0 Other PA DSI 8								
BW [MHz]	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	518596	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPS	1	1	23.71	23.69	23.78		
100	1/2 BPS	1	137	23.74	23.86	23.75	24.2	0.0
100	1/2 BPS	1	271	23.76	23.77	23.69		
100	1/2 BPS	135	0	23.69	23.77	23.78	24.2	0.0
100	1/2 BPS	135	69	23.84	23.67	23.75	24.2	0.0
100	1/2 BPS	135	138	23.71	23.81	23.79	24.2	0.0
100	1/2 BPS	270	0	23.77	23.88	23.83		
100	QPSK	1	1	23.84	23.84	23.76		
100	QPSK	1	137	23.85	23.80	23.76	25.4	0.0
100	QPSK	1	271	23.79	23.84	23.70		
100	QPSK	135	0	23.71	23.76	23.75	24.2	0.0
100	QPSK	135	69	23.86	23.81	23.69	24.2	0.0
100	QPSK	135	138	23.69	23.82	23.69	24.2	0.0
100	QPSK	270	0	23.70	23.87	23.83	24.2	0.0
100	16QAM	1	1	23.72	23.73	23.79	24.2	0.0
100	16QAM	1	1	22.79	22.78	22.86	23.2	1.0
100	256QAM	1	1	20.74	20.79	20.74	21.2	3.0
Channel				508200	518896	528996	Tune-up MPR	
Frequency (MHz)				2541	2602.99	2644.98	limit (dB)	
90	1/2 BPS	1	1	23.84	23.96	23.67	24.2	0.0
Channel				507204	518896	529996	Tune-up MPR	
Frequency (MHz)				2538.02	2602.99	2646.99	limit (dB)	
80	1/2 BPS	1	1	23.81	23.76	23.72	24.2	0.0
Channel				506202	518896	531000	Tune-up MPR	
Frequency (MHz)				2531.01	2602.99	2655	limit (dB)	
70	1/2 BPS	1	1	23.62	23.62	23.74	24.2	0.0
Channel				505200	518896	531896	Tune-up MPR	
Frequency (MHz)				2526	2614.44	2658.98	limit (dB)	
60	1/2 BPS	1	1	23.66	23.67	23.73	24.2	0.0
Channel				504204	518896	532998	Tune-up MPR	
Frequency (MHz)				2521.02	2602.99	2664.97	limit (dB)	
50	1/2 BPS	1	1	23.64	23.67	23.70	24.2	0.0
Channel				503202	518896	534000	Tune-up MPR	
Frequency (MHz)				2516.01	2602.99	2670	limit (dB)	
40	1/2 BPS	1	1	23.69	23.62	23.70	24.2	0.0
Channel				502200	518896	534996	Tune-up MPR	
Frequency (MHz)				2511	2602.99	2674.96	limit (dB)	
30	1/2 BPS	1	1	23.69	23.60	23.71	24.2	0.0
Channel				502200	518896	534996	Tune-up MPR	
Frequency (MHz)				2511	2602.99	2674.96	limit (dB)	
25	1/2 BPS	1	1	23.63	23.67	23.76	24.2	0.0
Channel				501204	518896	535998	Tune-up MPR	
Frequency (MHz)				2506.02	2602.99	2679.99	limit (dB)	
20	1/2 BPS	1	1	23.66	23.78	23.75	24.2	0.0
Channel				500700	518896	536496	Tune-up MPR	
Frequency (MHz)				2500.5	2602.99	2680.48	limit (dB)	
15	1/2 BPS	1	1	23.62	23.64	23.71	24.2	0.0
Channel				500202	518896	537000	Tune-up MPR	
Frequency (MHz)				2491.01	2602.99	2685	limit (dB)	
10	1/2 BPS	1	1	23.69	23.81	23.69	24.2	0.0

n5 Ant1 DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167600			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	20.09	20.07	20.16		20.7	0.0
20	1/2 BPSK	1	53	20.15	20.26	20.04			
20	1/2 BPSK	1	104	20.22	20.17	20.18			
20	1/2 BPSK	50	0	20.11	20.23	20.10		20.7	0.0
20	1/2 BPSK	50	26	20.15	20.15	20.16		20.7	0.0
20	1/2 BPSK	50	56	20.08	20.21	20.07		20.7	0.0
20	1/2 BPSK	100	0	20.19	20.21	20.07		20.7	0.0
20	QPSK	1	1	20.20	20.33	20.08		20.7	0.0
20	QPSK	1	53	19.96	20.14	20.11			
20	QPSK	1	104	20.08	20.15	20.15			
20	QPSK	50	0	20.21	20.25	20.14		20.7	0.0
20	QPSK	50	26	20.21	20.30	20.14		20.7	0.0
20	QPSK	50	56	20.10	20.14	20.15		20.7	0.0
20	QPSK	100	0	20.11	20.26	20.15		20.7	0.0
20	16QAM	1	1	20.06	20.06	20.20		20.7	0.0
20	16QAM	1	1	20.28	20.09	20.21		20.7	0.0
20	256QAM	1	1	20.17	20.26	20.21		20.7	0.0
Channel				168300	167300	168300	Tune-up	MPR	
Frequency (MHz)				831.5	836.5	841.5	limit (dB)		
15	QPSK	1	1	20.17	20.22	20.04		20.7	0.0
Channel				168800	167300	168800	Tune-up	MPR	
Frequency (MHz)				820	836.5	844	limit (dB)		
10	QPSK	1	1	20.16	20.32	20.03		20.7	0.0
Channel				168300	167300	168300	Tune-up	MPR	
Frequency (MHz)				826.5	836.5	846.5	limit (dB)		
5	QPSK	1	1	20.10	20.22	20.03		20.7	0.0

n7 Ant1 Other PA DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	20.36	20.06	20.29		20.7	0.0
40	1/2 BPSK	1	108	20.26	20.25	20.18			
40	1/2 BPSK	1	214	20.19	20.18	20.23			
40	1/2 BPSK	108	0	20.24	20.23	20.18		20.7	0.0
40	1/2 BPSK	108	54	20.23	20.16	20.22		20.7	0.0
40	1/2 BPSK	108	108	20.19	20.30	20.16		20.7	0.0
40	1/2 BPSK	216	0	20.19	20.28	20.22		20.7	0.0
40	QPSK	1	1	20.31	20.35	20.21		20.7	0.0
40	QPSK	1	108	20.14	20.25	20.16			
40	QPSK	1	214	20.05	20.22	20.21			
40	QPSK	108	0	20.15	20.16	20.12		20.7	0.0
40	QPSK	108	54	20.24	20.35	20.33		20.7	0.0
40	QPSK	108	108	20.28	20.28	20.27		20.7	0.0
40	QPSK	216	0	20.23	20.31	20.10		20.7	0.0
40	16QAM	1	1	20.08	20.26	20.28		20.7	0.0
40	16QAM	1	1	20.14	20.24	20.04		20.7	0.0
40	256QAM	1	1	20.06	20.11	20.10		20.7	0.0
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	20.29	20.31	20.19		20.7	0.0
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit (dB)		
30	QPSK	1	1	20.21	20.31	20.15		20.7	0.0
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	20.23	20.35	20.12		20.7	0.0
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	QPSK	1	1	20.29	20.35	20.13		20.7	0.0
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	20.22	20.28	20.12		20.7	0.0
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit (dB)		
10	QPSK	1	1	20.24	20.35	20.18		20.7	0.0
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	20.25	20.27	20.12		20.7	0.0

n12 Ant1 DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	1/2 BPSK	1	1	21.50	21.39	21.50		22.2	0.0
15	1/2 BPSK	1	40	21.56	21.55	21.45			
15	1/2 BPSK	1	77	21.50	21.54	21.52			
15	1/2 BPSK	36	0	21.53	21.54	21.43		22.2	0.0
15	1/2 BPSK	36	22	21.48	21.56	21.56		22.2	0.0
15	1/2 BPSK	36	43	21.47	21.52	21.38		22.2	0.0
15	1/2 BPSK	75	0	21.48	21.42	21.38		22.2	0.0
15	QPSK	1	1	21.58	21.60	21.55		22.2	0.0
15	QPSK	1	40	21.39	21.50	21.50			
15	QPSK	1	77	21.43	21.47	21.59			
15	QPSK	36	0	21.51	21.54	21.35		22.2	0.0
15	QPSK	36	22	21.45	21.57	21.53		22.2	0.0
15	QPSK	36	43	21.50	21.49	21.50		22.2	0.0
15	QPSK	75	0	21.47	21.55	21.37		22.2	0.0
15	16QAM	1	1	21.35	21.42	21.57		22.2	0.0
15	16QAM	1	1	21.53	21.46	21.41		22.2	0.0
15	256QAM	1	1	20.36	20.37	20.35		21.2	1.0
Channel				140800	141500	142200	Tune-up	MPR	
Frequency (MHz)				704	707.5	711	limit (dB)		
10	QPSK	1	1	21.50	21.57	21.47		22.2	0.0
Channel				140300	141500	142700	Tune-up	MPR	
Frequency (MHz)				701.5	707.5	713.5	limit (dB)		
5	QPSK	1	1	21.54	21.57	21.46		22.2	0.0

n26 Ant1 DSI 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	20.18	20.13	20.27	20.7	0.0
20	1/2 BPSK	1	53	20.24	20.32	20.12		
20	1/2 BPSK	1	104	20.29	20.27	20.22		
20	1/2 BPSK	50	0	20.13	20.29	20.21		
20	1/2 BPSK	50	28	20.25	20.17	20.25	20.7	0.0
20	1/2 BPSK	50	58	20.14	20.29	20.11	20.7	0.0
20	1/2 BPSK	100	0	20.26	20.27	20.16		
20	QPSK	1	1	20.30	20.42	20.16	20.7	0.0
20	QPSK	1	53	20.00	20.16	20.22		
20	QPSK	1	104	20.19	20.24	20.18		
20	QPSK	50	0	20.30	20.27	20.18		
20	QPSK	50	28	20.27	20.39	20.23	20.7	0.0
20	QPSK	50	58	20.17	20.22	20.22	20.7	0.0
20	QPSK	100	0	20.20	20.32	20.19	20.7	0.0
20	16QAM	1	1	20.14	20.19	20.25	20.7	0.0
20	64QAM	1	1	20.37	20.15	20.31	20.7	0.0
20	256QAM	1	1	20.20	20.30	20.28	20.7	0.0
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				821.5	831.5	841.5	limit (dB)	(dB)
15	QPSK	1	1	20.27	20.38	20.12	20.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				810	831.5	844	limit (dB)	(dB)
10	QPSK	1	1	20.27	20.33	20.05	20.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	limit (dB)	(dB)
5	QPSK	1	1	20.28	20.31	20.07	20.7	0.0

n66 Ant1 DSI 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	16.14	16.00	16.05	17.5	0.0
40	1/2 BPSK	1	108	16.04	16.13	16.02		
40	1/2 BPSK	1	214	16.20	15.99	16.07		
40	1/2 BPSK	108	0	16.08	16.20	16.08		
40	1/2 BPSK	108	54	16.10	16.07	16.25	17.5	0.0
40	1/2 BPSK	108	108	16.03	16.11	16.05	17.5	0.0
40	1/2 BPSK	216	0	16.11	16.07	15.98		
40	QPSK	1	1	16.23	16.28	16.18	17.5	0.0
40	QPSK	1	108	15.99	16.15	16.06		
40	QPSK	1	214	16.97	16.12	16.22		
40	QPSK	108	0	16.06	16.14	15.98		
40	QPSK	108	54	16.06	16.24	16.20	17.5	0.0
40	QPSK	108	108	16.11	16.11	16.22	17.5	0.0
40	QPSK	216	0	15.98	16.15	15.95	17.5	0.0
40	16QAM	1	1	16.02	16.08	16.01	17.5	0.0
40	64QAM	1	1	16.22	16.04	16.05	17.5	0.0
40	256QAM	1	1	15.92	15.95	15.89	17.5	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	(dB)
35	QPSK	1	1	16.21	16.20	16.03	17.5	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	(dB)
30	QPSK	1	1	16.15	16.19	16.12	17.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	(dB)
25	QPSK	1	1	16.15	16.19	16.10	17.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	(dB)
20	QPSK	1	1	16.22	16.20	16.03	17.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	(dB)
15	QPSK	1	1	16.15	16.17	16.15	17.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	(dB)
10	QPSK	1	1	16.14	16.24	16.13	17.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	(dB)
5	QPSK	1	1	16.14	16.21	16.11	17.5	0.0



n38 Ant1 Other PA DSI 8									
BW [MHz]	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)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	19.85	19.93	19.79			
40	1/2 BPSK	1	53	19.92	19.80	19.72			
40	1/2 BPSK	1	104	19.85	19.74	19.72	20.2	0.0	
40	1/2 BPSK	50	0	19.84	19.82	19.85	20.2	0.0	
40	1/2 BPSK	50	28	19.78	19.91	19.80	20.2	0.0	
40	1/2 BPSK	50	56	19.76	19.85	19.82	20.2	0.0	
40	1/2 BPSK	100	0	19.82	19.85	19.77	20.2	0.0	
40	QPSK	1	1	19.87	19.92	19.81			
40	QPSK	1	53	19.66	19.76	19.74		20.2	
40	QPSK	1	104	19.81	19.78	19.80			
40	QPSK	50	0	19.83	19.79	19.75	20.2	0.0	
40	QPSK	50	28	19.79	19.91	19.81		20.2	
40	QPSK	50	56	19.67	19.75	19.78		20.2	
40	QPSK	100	0	19.75	19.85	19.83			
40	16QAM	1	1	19.78	19.76	19.82	20.2	0.0	
40	16QAM	1	1	19.81	19.79	19.80	20.2	0.0	
40	256QAM	1	1	19.80	19.84	19.79	20.2	0.0	
Channel				517002	519000	520998	Tune-up	MPR	
30	1/2 BPSK	1	1	2593.01	2595	2604.99	limit (dB)		
Channel				516604	519000	521496	Tune-up	MPR	
25	1/2 BPSK	1	1	2592.52	2595	2607.48	limit (dB)		
Channel				516000	519000	522000	Tune-up	MPR	
20	1/2 BPSK	1	1	2590	2595	2610	limit (dB)		
Channel				515502	519000	522498	Tune-up	MPR	
15	1/2 BPSK	1	1	2577.51	2595	2612.49	limit (dB)		
Channel				515004	519000	522996	Tune-up	MPR	
10	1/2 BPSK	1	1	2570.02	2595	2614.98	limit (dB)		
Channel				514	19.74	19.96	19.75	20.2	

n41 Ant1 Other PA DSI 8									
BW [MHz]	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)				2546.01	2592.99	26400			
100	1/2 BPSK	1	1	19.92	19.92	19.04		19.7	
100	1/2 BPSK	1	137	19.00	19.10	19.03		19.7	
100	1/2 BPSK	1	271	19.02	19.92	19.05		19.7	
100	1/2 BPSK	135	0	19.05	19.03	19.07	19.7	0.0	
100	1/2 BPSK	135	69	19.96	19.95	19.11		19.7	
100	1/2 BPSK	135	138	19.88	19.02	19.00		19.7	
100	1/2 BPSK	270	0	19.00	19.99	19.99		19.7	
100	QPSK	1	1	19.00	19.12	19.03		19.7	
100	QPSK	1	137	19.89	19.05	19.83		19.7	
100	QPSK	1	271	19.98	19.01	19.90		19.7	
100	QPSK	135	0	19.04	19.98	19.95	19.7	0.0	
100	QPSK	135	69	19.06	19.08	19.07	19.7	0.0	
100	QPSK	135	138	19.93	19.90	19.03		19.7	
100	QPSK	270	0	19.97	19.04	19.97		19.7	
100	16QAM	1	1	19.96	19.11	19.01	19.7	0.0	
100	16QAM	1	1	19.08	19.90	19.02	19.7	0.0	
100	256QAM	1	1	19.90	19.93	19.01	19.7	0.0	
Channel				508200	518598	528996	Tune-up	MPR	
90	QPSK	1	1	2541	2592.99	2644.98	limit (dB)		
Channel				507204	518598	529998	Tune-up	MPR	
80	QPSK	1	1	2536.02	2592.99	2643.99	limit (dB)		
Channel				506202	518598	531000	Tune-up	MPR	
70	QPSK	1	1	2531.01	2592.99	2635	limit (dB)		
Channel				505200	518598	531996	Tune-up	MPR	
60	QPSK	1	1	2526	2592.99	2630.98	limit (dB)		
Channel				504204	518598	532998	Tune-up	MPR	
50	QPSK	1	1	2517.02	2592.99	2625.99	limit (dB)		
Channel				503202	518598	534000	Tune-up	MPR	
40	QPSK	1	1	2511.01	2592.99	2610	limit (dB)		
Channel				502200	518598	534996	Tune-up	MPR	
30	QPSK	1	1	2506.02	2592.99	2604.98	limit (dB)		
Channel				501204	518598	535996	Tune-up	MPR	
25	QPSK	1	1	2501.00	2592.99	2599.99	limit (dB)		
Channel				500200	518598	536996	Tune-up	MPR	
20	QPSK	1	1	2497	2592.99	2594.98	limit (dB)		
Channel				500700	518598	536496	Tune-up	MPR	
15	QPSK	1	1	2493.5	2592.99	2592.48	limit (dB)		
Channel				500202	518598	537000	Tune-up	MPR	
10	QPSK	1	1	2489.02	2592.99	2589.99	limit (dB)		
Channel				500202	19.92	19.07	19.99	19.7	

Part96 n48 Ant1 DSI 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)				3570	3624.99	3679.98			
40	1/2 BPSK	1	1	21.23	21.10	21.16			
40	1/2 BPSK	1	53	21.28	21.26	21.13	22.8	0.0	
40	1/2 BPSK	1	104	21.17	21.21	21.19			
40	1/2 BPSK	50	0	21.23	21.27	21.19	22.8	0.0	
40	1/2 BPSK	50	28	21.12	21.28	21.21	22.8	0.0	
40	1/2 BPSK	50	56	21.19	21.27	21.19	22.8	0.0	
40	1/2 BPSK	100	0	21.17	21.24	21.20			
40	QPSK	1	1	21.15	21.32	21.22			
40	QPSK	1	53	21.09	21.15	21.16	22.8	0.0	
40	QPSK	1	104	21.17	21.16	21.23			
40	QPSK	50	0	21.15	21.20	21.23	22.8	0.0	
40	QPSK	50	28	21.11	21.25	21.09	22.8	0.0	
40	QPSK	50	56	21.22	21.24	21.18		22.8	
40	QPSK	100	0	21.19	21.21	21.16		22.8	
40	16QAM	1	1	21.08	21.12	21.01	22.8	0.0	
40	16QAM	1	1	19.59	19.63	19.58	21.3	1.5	
40	256QAM	1	1	17.56	17.62	17.59	19.3	3.5	
Channel				636800	641666	645686	Tune-up	MPR	
30	QPSK	1	1	3563.02	3624.99	3684.99	limit (dB)		
Channel				637334	641666	646000	Tune-up	MPR	
20	QPSK	1	1	3560.01	3624.99	3680	limit (dB)		
Channel				636168	641666	646166	Tune-up	MPR	
15	QPSK	1	1	3557.52	3624.99	3682.49	limit (dB)		
Channel				6355	3624.99	3684.98	limit (dB)		
10	QPSK	1	1	3510.09	3624.99	3683.56	22.8	0.0	

Part270 n77 Ant1 Other PA DSI 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up		
Channel				650000	656000	662000	Time (s)	MPR (dB)	
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	18.91	18.79	18.76			
100	1/2 BPSK	1	137	18.91	18.87	18.82	20.0		
100	1/2 BPSK	271	18	18.78	18.75	18.87			
100	1/2 BPSK	135	0	18.85	18.87	18.71	20.0		0.0
100	1/2 BPSK	135	69	18.74	18.76	18.88			20.0
100	1/2 BPSK	135	138	18.73	18.78	18.74			20.0
100	1/2 BPSK	270	0	18.80	18.83	19.77			
100	QPSK	1	1	18.93	18.92	18.87			
100	QPSK	1	137	18.73	18.78	18.74	20.0		0.0
100	QPSK	1	271	18.81	18.85	18.78			
100	QPSK	135	0	18.92	18.84	18.71	20.0		0.0
100	QPSK	135	69	18.80	18.90	18.87			20.0
100	QPSK	135	138	18.82	18.87	18.80			20.0
100	QPSK	270	0	18.78	18.86	18.65			
100	16QAM	1	1	18.75	18.84	18.83	20.0		0.0
100	16QAM	1	137	18.76	18.86	18.86			20.0
100	16QAM	1	271	18.84	18.83	18.82			20.0
100	256QAM	1	1	18.74	18.83	18.82			
Channel				649688	656000	662324	Tune-up	MPR	
90	QPSK	1	1	18.74	18.84	18.76	20.0		0.0
90	QPSK	1	137	18.74	18.84	18.76			20.0
90	QPSK	1	271	18.83	18.86	18.86			20.0
80	QPSK	1	1	18.79	18.89	18.81	20.0		0.0
80	QPSK	1	137	18.79	18.89	18.81			20.0
80	QPSK	1	271	18.79	18.89	18.81			20.0
Frequency (MHz)				3739	3840	3945			
70	QPSK	1	1	18.72	18.69	18.78	20.0		0.0
70	QPSK	1	137	18.72	18.69	18.78			20.0
60	QPSK	1	1	18.77	18.65	18.83	20.0		0.0
60	QPSK	1	137	18.77	18.65	18.83			20.0
50	QPSK	1	1	18.80	18.63	18.81	20.0		0.0
50	QPSK	1	137	18.80	18.63	18.81			20.0
Frequency (MHz)				3720	3840	3955			
40	QPSK	1	1	18.70	18.56	18.80	20.0		0.0
40	QPSK	1	137	18.70	18.56	18.80			20.0
30	QPSK	1	1	18.73	18.58	18.82	20.0		0.0
30	QPSK	1	137	18.73	18.58	18.82			20.0
Frequency (MHz)				3715	3840	3965			
25	QPSK	1	1	18.72	18.54	18.83	20.0		0.0
25	QPSK	1	137	18.72	18.54	18.83			20.0
Channel				660000	656000	664000	Tune-up	MPR	
25	QPSK	1	1	18.73	18.59	18.80	20.0		0.0
25	QPSK	1	137	18.73	18.59	18.80			20.0
Channel				674031	656000	664668	Tune-up	MPR	
20	QPSK	1	1	18.70	18.52	18.84	20.0		0.0
20	QPSK	1	137	18.70	18.52	18.84			20.0
Channel				664768	656000	664834	Tune-up	MPR	
15	QPSK	1	1	18.70	18.61	18.77	20.0		0.0
15	QPSK	1	137	18.70	18.61	18.77			20.0
Channel				660000	656000	665000	Tune-up	MPR	
10	QPSK	1	1	18.76	18.87	18.88	20.0		0.0



Part270 n77 Ant1 Other PA DSI 8 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	1	22.21	22.01	22.09		
100	1/2 BPSK	1	137	22.17	22.06	22.14		
100	1/2 BPSK	1	271	22.11	22.08	22.13		23.0 0.0
100	1/2 BPSK	135	0	22.18	22.10	22.08		
100	1/2 BPSK	135	69	22.14	22.06	22.06		23.0 0.0
100	1/2 BPSK	135	138	22.08	22.14	22.08		
100	1/2 BPSK	270	0	22.13	22.07	22.02		23.0 0.0
100	QPSK	1	1	22.11	22.03	22.11		
100	QPSK	1	137	22.04	22.08	22.02		23.0 0.0
100	QPSK	1	271	22.06	22.14	22.15		
100	QPSK	135	0	22.16	22.20	21.98		23.0 0.0
100	QPSK	135	69	22.19	22.21	22.17		23.0 0.0
100	QPSK	135	138	22.07	22.06	22.14		23.0 0.0
100	QPSK	270	0	22.07	22.17	22.02		
100	16QAM	1	1	22.04	22.12	22.10		23.0 0.0
100	16QAM	1	1	22.10	22.05	22.14		23.0 0.0
100	256QAM	1	1	22.17	22.26	22.15		23.0 0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	648688	656000	662334	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	3742.02	3750	3755.01		
90	QPSK	1	1	22.07	22.23	22.05		23.0 0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	656000	662668	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	3740.01	3750	3760.02		
80	QPSK	1	1	22.05	22.20	22.07		23.0 0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	656000	663000	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	3725	3750	3745		
70	QPSK	1	1	22.02	22.22	22.05		23.0 0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	656000	663334	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3760.01		
60	QPSK	1	1	22.09	22.23	22.10		23.0 0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	656000	663668	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	3722.01	3750	3752.02		
50	QPSK	1	1	22.07	22.24	22.01		23.0 0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	656000	664000	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	3720	3750	3750		
40	QPSK	1	1	22.05	22.22	22.02		23.0 0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	656000	664334	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	3716.02	3750	3766.01		
30	QPSK	1	1	22.09	22.22	22.07		23.0 0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	647500	656000	664500	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	3712.5	3750	3767.5		
25	QPSK	1	1	22.01	22.24	22.09		23.0 0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	656000	664668	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	3710.01	3750	3760.02		
20	QPSK	1	1	22.09	22.24	22.02		23.0 0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647168	656000	664834	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	3707.52	3750	3767.51		
15	QPSK	1	1	22.06	22.28	22.01		23.0 0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	656000	665000	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	3705	3750	3765		
10	QPSK	1	1	22.02	22.29	22.09		23.0 0.0

Part27Q n77 Ant1 Other PA DSI 8

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3500.01				
100	1/2 BPSK	1	1	18.40				20.0 0.0
100	1/2 BPSK	1	137	18.46				
100	1/2 BPSK	1	271	18.34				20.0 0.0
100	1/2 BPSK	135	0	18.38				20.0 0.0
100	1/2 BPSK	135	69	18.33				20.0 0.0
100	1/2 BPSK	135	138	18.37				20.0 0.0
100	1/2 BPSK	270	0	18.40				
100	QPSK	1	1	18.55				
100	QPSK	1	137	18.30				20.0 0.0
100	QPSK	1	271	18.34				20.0 0.0
100	QPSK	135	0	18.43				20.0 0.0
100	QPSK	135	69	18.53				20.0 0.0
100	QPSK	135	138	18.39				20.0 0.0
100	QPSK	270	0	18.45				
100	16QAM	1	1	18.37				20.0 0.0
100	16QAM	1	1	18.36				20.0 0.0
100	256QAM	1	1	18.46				20.0 0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	3365	3500.01	3505.02		
90	QPSK	1	1	18.46	18.48	18.47		20.0 0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	3450.02	3500.01	3510		
80	QPSK	1	1	18.54	18.44	18.46		20.0 0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	3485.01	3500.01	3515.01		
70	QPSK	1	1	18.50	18.46	18.44		20.0 0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	3490	3500.01	3520.02		
60	QPSK	1	1	18.52	18.47	18.54		20.0 0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	3515.06	3500.01	3525		
50	QPSK	1	1	18.52	18.49	18.44		20.0 0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	3510.01	3500.01	3520.01		
40	QPSK	1	1	18.51	18.48	18.53		20.0 0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	3495	3500.01	3505.02		
30	QPSK	1	1	18.52	18.45	18.47		20.0 0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	630834	633334	635834	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	3480.21	3500.01	3510.21		
25	QPSK	1	1	18.50	18.50	18.46		20.0 0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	3480.02	3500.01	3510		
20	QPSK	1	1	18.53	18.46	18.49		20.0 0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630500	633334	636168	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	3480.5	3500.01	3510.52		
15	QPSK	1	1	18.54	18.54	18.48		20.0 0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	3485.01	3500.01	3515.01		
10	QPSK	1	1	18.47	18.52	18.53		20.0 0.0

Part27Q n77 Ant1 Other PA DSI 8 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
					363334			
Frequency (MHz)								
100	1/2 BPSK	1		21.40				
100	1/2 BPSK	1	137	21.40			23.0	0.0
100	1/2 BPSK	1	271	21.45				
100	1/2 BPSK	135	0	21.56				
100	1/2 BPSK	135	136	21.56			23.0	0.0
100	1/2 BPSK	270	0	21.43				
100	1/2 BPSK	270	136	21.56			23.0	0.0
100	QPSK	1	137	21.56				
100	QPSK	1	271	21.40				
100	QPSK	135	1	21.40			23.0	0.0
100	QPSK	135	69	21.62			23.0	0.0
100	16QAM	1	137	21.44				
100	16QAM	1	271	21.44			23.0	0.0
100	QPSK	270	0	21.59			23.0	0.0
100	16QAM	1	271	21.44			23.0	0.0
100	16QAM	1	271	21.44			23.0	0.0
100	25QAM	1	271	21.51			23.0	0.0
Channel								
				633000	633334	633668	Tune-up	MPR
90	QPSK	1	3485	3500.01	3500.01	3500.02	23.0	0.0
				21.66	21.63	21.59	23.0	0.0
Frequency (MHz)								
				633000	633334	633668	Tune-up	MPR
10	QPSK	1	3485	3500.02	3500.01	3510.01	23.0	0.0
				21.62	21.56	21.40	23.0	0.0
Frequency (MHz)								
				633000	633334	633668	Tune-up	MPR
70	QPSK	1	3485.01	3500.01	3510.01		23.0	0.0
				21.59	21.59	21.62	23.0	0.0
Frequency (MHz)								
				633000	633334	633668	Tune-up	MPR
60	QPSK	1	3480	3500.01	3520.02		23.0	0.0
				21.57	21.64	21.61	23.0	0.0
Frequency (MHz)								
				633000	633334	633668	Tune-up	MPR
50	QPSK	1	3475	3500.01	3525		23.0	0.0
				21.63	21.62	21.63	23.0	0.0
Frequency (MHz)								
				633000	633334	633668	Tune-up	MPR
30	QPSK	1	3470.01	3500.01	3530.01		23.0	0.0
				21.64	21.59	21.62	23.0	0.0
Frequency (MHz)								
				633000	633334	633668	Tune-up	MPR
20	QPSK	1	3465	3500.01	3535.02		23.0	0.0
				21.63	21.63	21.63	23.0	0.0
Frequency (MHz)								
				630834	633334	635834	Tune-up	MPR
25	QPSK	1	3492.51	3510.01	3575.51		23.0	0.0
				21.53	21.58	21.62	23.0	0.0
Channel								
				630688	633334	636000	Tune-up	MPR
20	QPSK	1	3460.02	3500.01	3540		23.0	0.0
				21.61	21.57	21.62	23.0	0.0
Channel								
				630500	633334	636168	Tune-up	MPR
15	QPSK	1	3475	3500.01	3545.02		23.0	0.0
				21.61	21.64	21.64	23.0	0.0
Channel								
				630334	633334	636334	Tune-up	MPR
10	QPSK	1	3460.01	3500.01	3540.01		23.0	0.0
				21.58	21.64	21.63	23.0	0.0

Part270 n78 Ant1 Other PA DSI 8										
PC2										
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		21.38			22.5	0.0	
100	1/2 BPSK	1	137		21.53					
100	1/2 BPSK	1	271		21.56			22.5	0.0	
100	1/2 BPSK	135	0		21.59					
100	1/2 BPSK	135	69		21.57			22.5	0.0	
100	1/2 BPSK	135	138		21.49					
100	1/2 BPSK	270	0		21.48			22.5	0.0	
100	QPSK	1	1		21.66					
100	QPSK	1	137		21.43			22.5	0.0	
100	QPSK	1	271		21.43					
100	QPSK	135	0		21.52			22.5	0.0	
100	QPSK	135	69		21.63					
100	QPSK	135	138		21.50			22.5	0.0	
100	QPSK	270	0		21.51					
100	16QAM	1	1		21.51			22.5	0.0	
100	64QAM	1	1		21.54					
100	256QAM	1	1		21.57			22.5	0.0	
Channel				648668	650000	650334	Tune-up MPR			
Frequency (MHz)				3743.02	3750	3753.01	limit (dB)			
90	QPSK	1	1	21.58	21.57	21.60	22.5	0.0		
Channel				648334	650000	650668	Tune-up MPR			
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)			
80	QPSK	1	1	21.58	21.61	21.58	22.5	0.0		
Channel				648000	650000	651000	Tune-up MPR			
Frequency (MHz)				3735	3750	3765	limit (dB)			
70	QPSK	1	1	21.64	21.61	21.59	22.5	0.0		
Channel				648668	650000	651334	Tune-up MPR			
Frequency (MHz)				3740.02	3750	3770.01	limit (dB)			
60	QPSK	1	1	21.69	21.60	21.55	22.5	0.0		
Channel				648334	650000	651668	Tune-up MPR			
Frequency (MHz)				3725.01	3750	3765.02	limit (dB)			
50	QPSK	1	1	21.64	21.60	21.61	22.5	0.0		
Channel				648000	650000	652000	Tune-up MPR			
Frequency (MHz)				3720	3750	3780	limit (dB)			
40	QPSK	1	1	21.91	21.57	21.60	22.5	0.0		
Channel				647668	650000	652334	Tune-up MPR			
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)			
30	QPSK	1	1	21.62	21.60	21.58	22.5	0.0		
Channel				647500	650000	652500	Tune-up MPR			
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)			
25	QPSK	1	1	21.63	21.63	21.64	22.5	0.0		
Channel				647334	650000	652668	Tune-up MPR			
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)			
20	QPSK	1	1	21.57	21.58	21.63	22.5	0.0		
Channel				647168	650000	652834	Tune-up MPR			
Frequency (MHz)				3707.52	3750	3793.51	limit (dB)			
15	QPSK	1	1	21.58	21.57	21.59	22.5	0.0		
Channel				647000	650000	653000	Tune-up MPR			
Frequency (MHz)				3705	3750	3795	limit (dB)			
10	QPSK	1	1	21.56	21.56	21.57	22.5	0.0		
Channel										
Frequency (MHz)										

Part27Q n78 Ant1 Other PA DSI 8										
BW	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up	MPR		
							limit			
							(dBm)		(dB)	
Channel				633334						
Frequency (MHz)				3500.01						
100	1/2 BPSK	1	1		18.63		19.5			
100	1/2 BPSK	1	137		18.63					
100	1/2 BPSK	1	271		18.74		19.5	0.0		
100	1/2 BPSK	135	0		18.76					
100	1/2 BPSK	135	69		18.73		19.5	0.0		
100	1/2 BPSK	135	138		18.70					
100	1/2 BPSK	270	0		18.71		19.5	0.0		
100	QPSK	1	1		18.80					
100	QPSK	1	137		18.74		19.5	0.0		
100	QPSK	1	271		18.69					
100	QPSK	135	0		18.74		19.5	0.0		
100	QPSK	135	69		18.80					
100	QPSK	135	138		18.73		19.5	0.0		
100	QPSK	270	0		18.75					
100	16QAM	1	1		18.74		19.5	0.0		
100	64QAM	1	1		18.67					
100	256QAM	1	1		18.74		19.5	0.0		
Channel				633000	633334	633668	Tune-up			MPR
Frequency (MHz)				3485	3500.01	3503.02	limit (dB)			
90	QPSK	1	1	18.70	18.78	18.74	19.5	0.0		
Channel				632668	633334	634000	Tune-up	MPR		
Frequency (MHz)				3480.02	3500.01	3510	limit (dB)			
80	QPSK	1	1	18.72	18.69	18.73	19.5	0.0		
Channel				632334	633334	634334	Tune-up	MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)			
70	QPSK	1	1	18.71	18.73	18.73	19.5	0.0		
Channel				632000	633334	634668	Tune-up	MPR		
Frequency (MHz)				3480	3500.01	3503.02	limit (dB)			
60	QPSK	1	1	18.72	18.73	18.79	19.5	0.0		
Channel				631668	633334	635000	Tune-up	MPR		
Frequency (MHz)				3475.02	3500.01	3505	limit (dB)			
50	QPSK	1	1	18.78	18.69	18.74	19.5	0.0		
Channel				631334	633334	635334	Tune-up	MPR		
Frequency (MHz)				3470.01	3500.01	3503.01	limit (dB)			
40	QPSK	1	1	18.70	18.79	18.78	19.5	0.0		
Channel				631000	633334	635668	Tune-up	MPR		
Frequency (MHz)				3465	3500.01	3505.02	limit (dB)			
30	QPSK	1	1	18.71	18.77	18.77	19.5	0.0		
Channel				630834	633334	635834	Tune-up	MPR		
Frequency (MHz)				3462.51	3500.01	3507.51	limit (dB)			
25	QPSK	1	1	18.72	18.74	18.72	19.5	0.0		
Channel				630668	633334	636000	Tune-up	MPR		
Frequency (MHz)				3460.02	3500.01	3500	limit (dB)			
20	QPSK	1	1	18.72	18.71	18.77	19.5	0.0		
Channel				630500	633334	636168	Tune-up	MPR		
Frequency (MHz)				3457.5	3500.01	3504.52	limit (dB)			
15	QPSK	1	1	18.72	18.76	18.73	19.5	0.0		
Channel				630334	633334	636334	Tune-up	MPR		
Frequency (MHz)				3455.01	3500.01	3505.01	limit (dB)			
10	QPSK	1	1	18.78	18.75	18.79	19.5	0.0		
Channel										

Part27Q n78 Ant1 Other PA DSI 8 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		21.65			22.5	0.0
100	1/2 BPSK	1	137		21.84				
100	1/2 BPSK	1	271		21.81			22.5	0.0
100	1/2 BPSK	135	0		21.88				
100	1/2 BPSK	135	69		21.76			22.5	0.0
100	1/2 BPSK	135	138		21.75				
100	1/2 BPSK	270	0		21.77			22.5	0.0
100	QPSK	1	1		22.00				
100	QPSK	1	137		21.78			22.5	0.0
100	QPSK	1	271		21.80				

n2 Ant5 DSI 8										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	1/2 BPSK	1	1	17.46	17.28	17.41		18.3	0.0	
40	1/2 BPSK	1	108	17.43	17.43	17.38				
40	1/2 BPSK	1	214	17.40	17.34	17.51				
40	1/2 BPSK	108	0	17.40	17.43	17.35	18.3	0.0	0.0	
40	1/2 BPSK	108	54	17.40	17.34	17.48	18.3			
40	1/2 BPSK	108	108	17.37	17.41	17.31	18.3			
40	1/2 BPSK	216	0	17.42	17.40	17.34	18.3	0.0	0.0	
40	QPSK	1	1	17.42	17.54	17.44				
40	QPSK	1	108	17.39	17.40	17.31	18.3			
40	QPSK	1	214	17.28	17.40	17.47		18.3	0.0	
40	QPSK	108	0	17.38	17.50	17.38	18.3			
40	QPSK	108	54	17.39	17.51	17.44	18.3			
40	QPSK	108	108	17.47	17.49	17.40	18.3	0.0	0.0	
40	QPSK	216	0	17.39	17.46	17.33	18.3			
40	16QAM	1	1	17.34	17.39	17.41	18.3			
40	64QAM	1	1	17.46	17.35	17.39	18.3	0.0	0.0	
40	256QAM	1	1	17.41	17.47	17.29	18.3			
Channel				373500	376000	378500	Tune-up MPR			
Frequency (MHz)				1867.5	1880	1892.5	lim (dB)			
35	QPSK	1	1	17.35	17.43	17.39	18.3	0.0	0.0	
Channel				373000	376000	379000	Tune-up MPR			
Frequency (MHz)				1863	1880	1898	lim (dB)			
30	QPSK	1	1	17.38	17.44	17.34	18.3	0.0	0.0	
Channel				372500	376000	379500	Tune-up MPR			
Frequency (MHz)				1862.5	1880	1897.5	lim (dB)			
25	QPSK	1	1	17.37	17.45	17.24	18.3	0.0	0.0	
Channel				372000	376000	380000	Tune-up MPR			
Frequency (MHz)				1860	1880	1900	lim (dB)			
20	QPSK	1	1	17.34	17.47	17.37	18.3	0.0	0.0	
Channel				371500	376000	380500	Tune-up MPR			
Frequency (MHz)				1857.5	1880	1902.5	lim (dB)			
15	QPSK	1	1	17.36	17.52	17.42	18.3	0.0	0.0	
Channel				371000	376000	381000	Tune-up MPR			
Frequency (MHz)				1855	1880	1905	lim (dB)			
10	QPSK	1	1	17.34	17.45	17.37	18.3	0.0	0.0	
Channel				370500	376000	381500	Tune-up MPR			
Frequency (MHz)				1852.5	1880	1907.5	lim (dB)			
5	QPSK	1	1	17.32	17.44	17.41	18.3	0.0	0.0	

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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	15.41	15.13	15.22		15.7	0.0	
40	1/2 BPSK	1	108	15.38	15.33	15.23				
40	1/2 BPSK	1	214	15.32	15.28	15.25				
40	1/2 BPSK	108	0	15.37	15.27	15.24	15.7	0.0	0.0	
40	1/2 BPSK	108	54	15.34	15.30	15.36	15.7			
40	1/2 BPSK	108	108	15.35	15.31	15.22	15.7			
40	1/2 BPSK	216	0	15.27	15.25	15.26	15.7	0.0	0.0	
40	QPSK	1	1	15.25	15.44	15.26				
40	QPSK	1	108	15.18	15.29	15.30	15.7	0.0	0.0	
40	QPSK	1	214	15.30	15.29	15.31	15.7			
40	QPSK	108	0	15.23	15.30	15.19	15.7			
40	QPSK	108	54	15.29	15.41	15.31	15.7	0.0	0.0	
40	QPSK	108	108	15.28	15.32	15.37	15.7			
40	QPSK	216	0	15.38	15.35	15.24	15.7			
40	16QAM	1	1	15.20	15.35	15.30	15.7	0.0	0.0	
40	64QAM	1	1	15.41	15.38	15.31	15.7			
40	256QAM	1	1	15.27	15.31	15.30	15.7			
Channel				503500	507000	510500	Tune-up MPR			
Frequency (MHz)				2517.5	2535	2552.5	lim (dB)			
35	QPSK	1	1	15.16	15.43	15.16	15.7	0.0	0.0	
Channel				503000	507000	511000	Tune-up MPR			
Frequency (MHz)				2515	2535	2555	lim (dB)			
30	QPSK	1	1	15.15	15.39	15.19	15.7	0.0	0.0	
Channel				502500	507000	511500	Tune-up MPR			
Frequency (MHz)				2512.5	2535	2557.5	lim (dB)			
25	QPSK	1	1	15.13	15.34	15.15	15.7	0.0	0.0	
Channel				502000	507000	512000	Tune-up MPR			
Frequency (MHz)				2510	2535	2560	lim (dB)			
20	QPSK	1	1	15.14	15.43	15.19	15.7	0.0	0.0	
Channel				501500	507000	512500	Tune-up MPR			
Frequency (MHz)				2507.5	2535	2562.5	lim (dB)			
15	QPSK	1	1	15.21	15.37	15.21	15.7	0.0	0.0	
Channel				501000	507000	513000	Tune-up MPR			
Frequency (MHz)				2505	2535	2565	lim (dB)			
10	QPSK	1	1	15.23	15.37	15.18	15.7	0.0	0.0	
Channel				500500	507000	513500	Tune-up MPR			
Frequency (MHz)				2502.5	2535	2567.5	lim (dB)			
5	QPSK	1	1	15.21	15.39	15.20	15.7	0.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	Notes	
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	17.31	17.08	17.12		17.7	0.0	
40	1/2 BPSK	1	108	17.16	17.20	17.15				
40	1/2 BPSK	1	214	17.29	17.22	17.27				
40	1/2 BPSK	108	0	17.31	17.22	17.27	17.7	0.0	0.0	
40	1/2 BPSK	108	54	17.16	17.22	17.31	17.7			
40	1/2 BPSK	108	108	17.24	17.26	17.12	17.7			
40	1/2 BPSK	216	0	17.19	17.25	17.26	17.7	0.0	0.0	
40	QPSK	1	1	17.17	17.35	17.28				
40	QPSK	1	108	17.17	17.15	17.19	17.7	0.0	0.0	
40	QPSK	1	214	17.22	17.17	17.23	17.7			
40	QPSK	108	0	17.24	17.29	17.17	17.7			
40	QPSK	108	54	17.20	17.33	17.21	17.7	0.0	0.0	
40	QPSK	108	108	17.21	17.19	17.18	17.7			
40	QPSK	216	0	17.18	17.26	17.12	17.7			
40	16QAM	1	1	17.12	17.16	17.26	17.7	0.0	0.0	
40	64QAM	1	1	17.17	17.21	17.23	17.7			
40	256QAM	1	1	17.17	17.24	17.20	17.7			
Channel				345500	349000	352500	Tune-up MPR			
Frequency (MHz)				1727.5	1745	1762.5	lim (dB)			
35	QPSK	1	1	17.12	17.25	17.20	17.7	0.0	0.0	
Channel				345000	349000	353000	Tune-up MPR			
Frequency (MHz)				1725	1745	1765	lim (dB)			
30	QPSK	1	1	17.15	17.28	17.18	17.7	0.0	0.0	
Channel				344500	349000	353500	Tune-up MPR			
Frequency (MHz)				1722.5	1745	1767.5	lim (dB)			
25	QPSK	1	1	17.09	17.33	17.24	17.7	0.0	0.0	
Channel				344000	349000	354000	Tune-up MPR			
Frequency (MHz)				1720	1745	1770	lim (dB)			
20	QPSK	1	1	17.09	17.29	17.25	17.7	0.0	0.0	
Channel				343500	349000	354500	Tune-up MPR			
Frequency (MHz)				1717.5	1745	1772.5	lim (dB)			
15	QPSK	1	1	17.09	17.31	17.22	17.7	0.0	0.0	
Channel				343000	349000	355000	Tune-up MPR			
Frequency (MHz)				1715	1745	1775	lim (dB)			
10	QPSK	1	1	17.08	17.33	17.18	17.7	0.0		

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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	15.23	15.06	15.23	15.7	0.0
40	1/2 BPSK	1	53	15.22	15.15	15.21		
40	1/2 BPSK	1	104	15.15	15.22	15.09		
40	1/2 BPSK	50	0	15.24	15.27	15.14	15.7	0.0
40	1/2 BPSK	50	26	15.24	15.23	15.23	15.7	0.0
40	1/2 BPSK	50	56	15.26	15.21	15.10	15.7	0.0
40	1/2 BPSK	100	0	15.24	15.13	15.15	15.7	0.0
40	QPSK	1	1	15.25	15.31	15.20	15.7	0.0
40	QPSK	1	53	15.13	15.22	15.15		
40	QPSK	1	104	15.15	15.21	15.26		
40	QPSK	50	0	15.28	15.09	15.15	15.7	0.0
40	QPSK	50	26	15.20	15.20	15.19	15.7	0.0
40	QPSK	50	56	15.18	15.21	15.25	15.7	0.0
40	QPSK	100	0	15.24	15.20	15.13	15.7	0.0
40	16QAM	1	1	15.18	15.21	15.14	15.7	0.0
40	16QAM	1	1	15.13	15.16	15.19	15.7	0.0
40	256QAM	1	1	15.11	15.18	15.23	15.7	0.0
Channel				517002	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2583.01	2595	2604.99	15.7	0.0
30	QPSK	1	1	15.24	15.25	15.15	15.7	0.0
Channel				516504	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2592.52	2595	2607.48	15.7	0.0
25	QPSK	1	1	15.24	15.25	15.11	15.7	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2590	2595	2610	15.7	0.0
20	QPSK	1	1	15.20	15.21	15.12	15.7	0.0
Channel				515502	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49	15.7	0.0
15	QPSK	1	1	15.17	15.21	15.09	15.7	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2593.02	2595	2614.98	15.7	0.0
10	QPSK	1	1	15.15	15.21	15.10	15.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518596	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	15.15	14.98	15.05	15.7	0.0
100	1/2 BPSK	1	137	15.19	15.14	15.08	15.7	0.0
100	1/2 BPSK	1	271	15.12	15.16	15.14	15.7	0.0
100	1/2 BPSK	135	0	15.16	15.09	15.01	15.7	0.0
100	1/2 BPSK	135	69	15.07	15.17	15.06	15.7	0.0
100	1/2 BPSK	135	138	15.13	15.15	15.10	15.7	0.0
100	1/2 BPSK	270	0	15.12	15.07	15.01	15.7	0.0
100	QPSK	1	1	15.11	15.25	15.18	15.7	0.0
100	QPSK	1	137	15.03	15.14	14.98	15.7	0.0
100	QPSK	1	271	15.07	15.13	15.17	15.7	0.0
100	QPSK	135	0	15.14	15.06	14.97	15.7	0.0
100	QPSK	135	69	15.09	15.21	15.12	15.7	0.0
100	QPSK	135	138	15.12	15.14	15.09	15.7	0.0
100	QPSK	270	0	15.16	15.10	14.95	15.7	0.0
100	16QAM	1	1	15.09	15.08	15.09	15.7	0.0
100	16QAM	1	1	15.14	15.11	15.10	15.7	0.0
100	256QAM	1	1	15.03	15.14	15.12	15.7	0.0
Channel				508200	518596	526996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98	15.7	0.0
90	QPSK	1	1	15.04	15.17	15.11	15.7	0.0
Channel				507204	518596	526996	Tune-up limit (dB)	MPR
Frequency (MHz)				2539.02	2592.99	2649.99	15.7	0.0
80	QPSK	1	1	15.05	15.18	15.11	15.7	0.0
Channel				506202	518596	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2655	15.7	0.0
70	QPSK	1	1	15.09	15.19	15.03	15.7	0.0
Channel				505200	518596	531696	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2592.99	2659.95	15.7	0.0
60	QPSK	1	1	15.06	15.18	15.15	15.7	0.0
Channel				504204	518596	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2664.97	15.7	0.0
50	QPSK	1	1	15.08	15.22	15.14	15.7	0.0
Channel				503202	518596	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2592.99	2670	15.7	0.0
40	QPSK	1	1	15.03	15.20	15.16	15.7	0.0
Channel				502200	518596	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.96	15.7	0.0
30	QPSK	1	1	15.01	15.24	15.12	15.7	0.0
Channel				502200	518596	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.96	15.7	0.0
25	QPSK	1	1	15.04	15.15	15.09	15.7	0.0
Channel				501204	518596	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2592.99	2679.95	15.7	0.0
20	QPSK	1	1	15.03	15.15	15.14	15.7	0.0
Channel				500700	518596	536496	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.5	2592.99	2683.48	15.7	0.0
15	QPSK	1	1	15.06	15.17	15.15	15.7	0.0
Channel				500202	518596	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2491.01	2592.99	2685	15.7	0.0
10	QPSK	1	1	15.09	15.18	15.09	15.7	0.0

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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1880	1890			
40	1/2 BPSK	1	1	20.34	20.04	20.27		21.7	0.0
40	1/2 BPSK	1	108	20.31	20.26	20.18			
40	1/2 BPSK	1	214	20.18	20.21	20.15			
40	1/2 BPSK	108	0	20.23	20.25	20.17			
40	1/2 BPSK	108	54	20.16	20.20	20.32	21.7	0.0	
40	1/2 BPSK	108	108	20.19	20.21	20.22	21.7	0.0	
40	1/2 BPSK	216	0	20.22	20.20	20.16			
40	QPSK	1	1	20.27	20.36	20.27			
40	QPSK	1	108	20.09	20.17	20.16	21.7	0.0	
40	QPSK	1	214	20.08	20.13	20.17			
40	QPSK	108	0	20.17	20.21	20.18	21.7	0.0	
40	QPSK	108	54	20.23	20.32	20.27	21.7	0.0	
40	QPSK	108	108	20.23	20.23	20.15	21.7	0.0	
40	QPSK	216	0	20.20	20.26	20.10			
40	16QAM	1	1	20.12	20.25	20.22	21.7	0.0	
40	64QAM	1	1	20.24	20.19	20.28	21.7	0.0	
40	256QAM	1	1	18.91	18.98	18.93	20.7	1.0	
Channel				373500	376000	378500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)	
35	QPSK	1	1	20.24	20.32	20.20	21.7	0.0	
Channel				373000	376000	379000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1865	1880	1895	limit	(dB)	
30	QPSK	1	1	20.20	20.33	20.22	21.7	0.0	
Channel				372500	376000	379500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1862.5	1880	1897.5	limit	(dB)	
25	QPSK	1	1	20.26	20.33	20.20	21.7	0.0	
Channel				372000	376000	380000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1860	1880	1900	limit	(dB)	
20	QPSK	1	1	20.25	20.26	20.17	21.7	0.0	
Channel				371500	376000	380500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)	
15	QPSK	1	1	20.20	20.27	20.17	21.7	0.0	
Channel				371000	376000	381000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1855	1880	1905	limit	(dB)	
10	QPSK	1	1	20.19	20.28	20.20	21.7	0.0	
Channel				370500	376000	381500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1852.5	1880	1907.5	limit	(dB)	
5	QPSK	1	1	20.20	20.29	20.17	21.7	0.0	

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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
40	1/2 BPSK	1	1	19.02	18.97	18.91		19.7	0.0
40	1/2 BPSK	1	108	18.95	19.03	18.97			
40	1/2 BPSK	1	214	19.08	18.93	19.09			
40	1/2 BPSK	108	0	19.07	19.08	18.99	19.7	0.0	
40	1/2 BPSK	108	54	19.00	19.01	19.08	19.7	0.0	
40	1/2 BPSK	108	108	19.07	19.04	19.03	19.7	0.0	
40	1/2 BPSK	216	0	18.97	19.03	19.02			
40	QPSK	1	1	19.01	19.17	19.02			
40	QPSK	1	108	18.99	19.03	18.87	19.7	0.0	
40	QPSK	1	214	18.94	19.07	19.07			
40	QPSK	108	0	19.00	18.98	18.99	19.7	0.0	
40	QPSK	108	54	19.01	19.14	18.99	19.7	0.0	
40	QPSK	108	108	19.08	19.04	19.06	19.7	0.0	
40	QPSK	216	0	18.98	19.05	18.95			
40	16QAM	1	1	18.86	18.92	19.00	19.7	0.0	
40	64QAM	1	1	19.07	18.97	19.01	19.7	0.0	
40	256QAM	1	1	18.88	19.06	18.95	19.7	0.0	
Channel				503500	507000	510500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2317.5	2335	2352.5	limit	(dB)	
35	QPSK	1	1	18.94	19.13	18.99	19.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2315	2335	2355	limit	(dB)	
30	QPSK	1	1	18.94	19.11	18.97	19.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2312.5	2335	2357.5	limit	(dB)	
25	QPSK	1	1	18.93	19.11	18.97	19.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2310	2335	2360	limit	(dB)	
20	1/2 BPSK	1	1	18.93	19.11	18.99	19.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2297.5	2335	2362.5	limit	(dB)	
15	QPSK	1	1	18.88	19.14	18.99	19.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2295	2335	2365	limit	(dB)	
10	QPSK	1	1	18.97	19.12	18.97	19.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2292.5	2335	2367.5	limit	(dB)	
5	QPSK	1	1	18.91	19.11	19.00	19.7	0.0	

n66 Ant6 DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
40	1/2 BPSK	1	1	18.25	18.07	18.23		19.7	0.0
40	1/2 BPSK	1	108	18.26	18.26	18.19			
40	1/2 BPSK	1	214	18.29	18.15	18.21			
40	1/2 BPSK	108	0	18.20	18.27	18.20	19.7	0.0	
40	1/2 BPSK	108	54	18.20	18.20	18.23	19.7	0.0	
40	1/2 BPSK	108	108	18.22	18.23	18.15	19.7	0.0	
40	1/2 BPSK	216	0	18.18	18.11	18.10			
40	QPSK	1	1	18.26	18.36	18.22			
40	QPSK	1	108	18.19	18.17	18.13	19.7	0.0	
40	QPSK	1	214	18.07	18.18	18.33			
40	QPSK	108	0	18.16	18.23	18.08	19.7	0.0	
40	QPSK	108	54	18.25	18.32	18.22	19.7	0.0	
40	QPSK	108	108	18.19	18.22	18.28	19.7	0.0	
40	QPSK	216	0	18.11	18.28	18.16			
40	16QAM	1	1	18.08	18.18	18.27	19.7	0.0	
40	64QAM	1	1	18.25	18.08	18.20	19.7	0.0	
40	256QAM	1	1	18.25	18.26	18.16	19.7	0.0	
Channel				345500	349000	352500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
35	QPSK	1	1	18.18	18.31	18.16	0.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1765	limit	(dB)	
30	QPSK	1	1	18.28	18.28	18.21	19.7	0.0	
Channel				344500	349000	353500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	18.23	18.29	18.13	19.7	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	18.24	18.26	18.12	19.7	0.0	
Channel				343500	349000	354500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	18.22	18.29	18.12	19.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	18.24	18.25	18.21	19.7	0.0	
Channel				342500	349000	355500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	18.24	18.34	18.13	19.7	0.0	



n38 Ant6 DSI 8									
BW [MHz]	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)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	18.16	17.84	18.03		19.0	0.0
40	1/2 BPSK	1	53	18.15	18.16	18.16			
40	1/2 BPSK	1	104	18.07	18.08	18.09			
40	1/2 BPSK	50	0	18.14	18.11	18.05	19.0		
40	1/2 BPSK	50	28	18.07	18.10	18.11		19.0	0.0
40	1/2 BPSK	50	56	18.13	18.18	18.00		19.0	0.0
40	1/2 BPSK	100	0	18.05	18.09	18.14			
40	QPSK	1	1	18.20	18.22	18.18			
40	QPSK	1	53	18.06	18.12	18.06		19.0	0.0
40	QPSK	1	104	18.03	18.16	18.07			
40	QPSK	50	0	18.13	18.14	18.07		19.0	0.0
40	QPSK	50	28	18.11	18.19	18.13		19.0	0.0
40	QPSK	50	56	18.15	18.09	18.14		19.0	0.0
40	QPSK	100	0	18.03	18.16	18.08			
40	16QAM	1	1	18.06	18.08	18.10		18.0	0.0
40	16QAM	1	1	18.10	18.02	18.05		18.0	0.0
40	256QAM	1	1	18.07	18.10	18.07		19.0	0.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up	MPR	
30	QPSK	1	1	18.16	18.13	18.15	18.0	0.0	
Channel									
Frequency (MHz)				516804	519000	521496	Tune-up	MPR	
25	QPSK	1	1	18.16	18.12	18.15	18.0	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up	MPR	
20	QPSK	1	1	18.15	18.11	18.07	18.0	0.0	
Channel									
Frequency (MHz)				515602	519000	522498	Tune-up	MPR	
15	QPSK	1	1	18.09	18.16	18.16	19.0	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up	MPR	
10	QPSK	1	1	18.16	18.13	18.16	19.0	0.0	

n41 Ant6 DSI 8									
BW [MHz]	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)				509202	518598	528000			
100	1/2 BPSK	1	1	18.21	18.08	18.09		19.7	0.0
100	1/2 BPSK	1	137	18.25	18.18	18.18			
100	1/2 BPSK	1	271	18.15	18.10	18.19			
100	1/2 BPSK	135	0	18.22	18.21	18.17		19.7	0.0
100	1/2 BPSK	135	69	18.14	18.16	18.22		19.7	0.0
100	1/2 BPSK	135	138	18.20	18.16	18.13		19.7	0.0
100	1/2 BPSK	270	0	18.21	18.19	18.19			
100	QPSK	1	1	18.23	18.26	18.25			
100	QPSK	1	137	18.12	18.10	18.09		19.7	0.0
100	QPSK	1	271	18.12	18.21	18.18			
100	QPSK	135	0	18.20	18.13	18.13		19.7	0.0
100	QPSK	135	69	18.23	18.27	18.17		19.7	0.0
100	QPSK	135	138	18.18	18.10	18.21		19.7	0.0
100	QPSK	270	0	18.18	18.22	18.06			
100	16QAM	1	1	18.08	18.08	18.19		19.7	0.0
100	16QAM	1	1	18.18	18.07	18.21		19.7	0.0
100	256QAM	1	1	18.15	18.17	18.16		19.7	0.0
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up	MPR	
90	QPSK	1	1	18.19	18.21	18.23	19.7	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up	MPR	
80	QPSK	1	1	18.16	18.26	18.18	19.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up	MPR	
70	QPSK	1	1	18.15	18.23	18.16	19.7	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up	MPR	
60	QPSK	1	1	18.16	18.20	18.20	19.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up	MPR	
50	QPSK	1	1	18.21	18.20	18.23	19.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up	MPR	
40	QPSK	1	1	18.14	18.22	18.20	19.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
30	QPSK	1	1	18.21	18.24	18.17	19.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535996	Tune-up	MPR	
25	QPSK	1	1	18.20	18.22	18.17	19.7	0.0	
Channel									
Frequency (MHz)				500700	518598	536496	Tune-up	MPR	
20	QPSK	1	1	18.20	18.27	18.14	19.7	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up	MPR	
15	QPSK	1	1	18.15	18.26	18.21	19.7	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up	MPR	
10	QPSK	1	1	18.15	18.26	18.21	19.7	0.0	

Part96 n48 Ant6 DSI 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)				636000	641666	645738			
				3570	3624.99	3679.98			
40	1/2 BPSK	1	1	18.11	17.98	18.13		19.5	0.0
40	1/2 BPSK	1	53	18.13	18.17	18.06			
40	1/2 BPSK	1	104	18.04	18.12	18.04			
40	1/2 BPSK	50	0	18.16	18.12	18.12			
40	1/2 BPSK	50	28	18.07	18.13	18.11		19.5	0.0
40	1/2 BPSK	50	56	18.07	18.12	18.10		19.5	0.0
40	1/2 BPSK	100	0	18.11	18.12	18.03			
40	QPSK	1	1	18.14	18.21	18.09			
40	QPSK	1	53	17.97	18.14	18.02		19.5	0.0
40	QPSK	1	104	18.07	18.10	18.05			
40	QPSK	50	0	18.08	18.09	18.00		19.5	0.0
40	QPSK	50	28	18.17	18.19	18.09		19.5	0.0
40	QPSK	50	56	18.14	18.05	18.16		19.5	0.0
40	QPSK	100	0	18.14	18.16	18.10			
40	16QAM	1	1	18.08	18.12	18.13		19.5	0.0
40	16QAM	1	1	18.11	18.02	18.17		19.5	0.0
40	256QAM	1	1	18.09	18.15	18.11		19.5	0.0
Channel									
Frequency (MHz)				636602	641666	645802	Tune-up	MPR	
30	QPSK	1	1	18.04	18.19	18.05	19.5	0.0	
Channel									
Frequency (MHz)				637334	641666	646000	Tune-up	MPR	
20	QPSK	1	1	18.10	18.15	18.06	19.5	0.0	
Channel									
Frequency (MHz)				637168	641666	646166	Tune-up	MPR	
15	QPSK	1	1	18.04	18.19	18.07	19.5	0.0	
Channel									
Frequency (MHz)				637000	641666	646332	Tune-up	MPR	
10	QPSK	1	1	18.08	18.17	18.00	19.5	0.0	

Part270 n77 Ant6 DSI 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	18.57	18.49	18.52		20.0	0.0
100	1/2 BPSK	1	137	18.59	18.63	18.48			
100	1/2 BPSK	1	271	18.54	18.54	18.54			
100	1/2 BPSK	135	0	18.52	18.64	18.53			
100	1/2 BPSK	135	69	18.60	18.38	18.59		20.0	0.0
100	1/2 BPSK	135	138	18.58	18.66	18.51		20.0	0.0
100	1/2 BPSK	270	0	18.58	18.55	18.49			
100	QPSK	1	1	18.68	18.70	18.66			
100	QPSK	1	137	18.50	18.59	18.49		20.0	0.0
100	QPSK	1	271	18.50	18.57	18.60			
100	QPSK	135	0	18.60	18.52	18.38		20.0	0.0
100	QPSK	135	69	18.59	18.68	18.59		20.0	0.0
100	QPSK	135	138	18.63	18.54	18.62		20.0	0.0
100	QPSK	270	0	18.44	18.65	18.47			
100	16QAM	1	1	18.49	18.87	18.51		20.0	0.0
100	16QAM	1	137	18.54	18.87	18.48		20.0	0.0
100	16QAM	1	271	18.54	18.87	18.51		20.0	0.0
100	256QAM	1	1	18.44	18.54	18.45			
Channel				46860	65600	66234	Tune-up	MPR	
Frequency (MHz)				3745	3840	3930			
90	QPSK	1	1	18.61	18.68	18.60	20.0	0.0	0.0
Channel				46860	65600	66234	Tune-up	MPR	
80	QPSK	1	1	18.58	18.67	18.57	20.0	0.0	0.0
Channel				46860	65600	66234	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.65	18.66	18.65	20.0	0.0	0.0
Channel				46860	65600	66234	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.63	18.65	18.69	20.0	0.0	0.0
Channel				46860	65600	66234	Tune-up	MPR	
Frequency (MHz)				3722.01	3940	3955.02			
50	QPSK	1	1	18.64	18.69	18.68	20.0	0.0	0.0
Channel				46860	65600	66234	Tune-up	MPR	
Frequency (MHz)				3720	3940	3950			
40	QPSK	1	1	18.63	18.67	18.69	20.0	0.0	0.0
Channel				46860	65600	66234	Tune-up	MPR	
Frequency (MHz)				3716.02	3940	3945.01			
30	QPSK	1	1	18.65	18.68	18.74	20.0	0.0	0.0
Channel				46860	65600	66234	Tune-up	MPR	
Frequency (MHz)				3712.01	3940	3940.02			
25	QPSK	1	1	18.64	18.68	18.70	20.0	0.0	0.0
Channel				46860	65600	66234	Tune-up	MPR	
Frequency (MHz)				3710.01	3940	3940.02			
20	QPSK	1	1	18.65	18.69	18.76	20.0	0.0	0.0
Channel				467468	656000	664834	Tune-up	MPR	
Frequency (MHz)				3700	3940	3950			
15	QPSK	1	1	18.62	18.68	18.74	20.0	0.0	0.0
Channel				467460	656000	665000	Tune-up	MPR	
Frequency (MHz)				3700	3940	3950			
10	QPSK	1	1	18.67	18.61	18.58	20.0	0.0	0.0



Part270 n77 Ant6 DSI 8 PC2											
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		23.0	0.0		
100	1/2 BPSK	1	1	21.60	21.49	21.49					
100	1/2 BPSK	1	137	21.55	21.56	21.48					
100	1/2 BPSK	1	271	21.55	21.50	21.57					
100	1/2 BPSK	135	0	21.48	21.59	21.61	23.0	0.0	0.0		
100	1/2 BPSK	135	69	21.57	21.56	21.51					
100	1/2 BPSK	135	135	21.54	21.59	21.47					
100	1/2 BPSK	270	0	21.55	21.62	21.48					
100	QPSK	1	1	21.55	21.66	21.54		23.0	0.0		
100	QPSK	1	137	21.47	21.57	21.53					
100	QPSK	1	271	21.46	21.53	21.60					
100	QPSK	135	0	21.48	21.52	21.50	23.0				
100	QPSK	135	69	21.53	21.65	21.63	23.0	0.0	0.0		
100	QPSK	135	135	21.58	21.54	21.58					
100	QPSK	270	0	21.57	21.62	21.48					
100	16QAM	1	1	21.44	21.59	21.53	23.0	0.0	0.0		
100	16QAM	1	1	21.63	21.44	21.53	23.0				
100	256QAM	1	1	21.06	21.14	21.03	22.5				
Channel											
Frequency (MHz)											
90	QPSK	1	1	64968	65000	65234	Tune-up MPR	23.0	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	64934	65000	65268	Tune-up MPR				
Channel											
Frequency (MHz)											
70	QPSK	1	1	64900	65000	65300	Tune-up MPR	23.0	0.0		
Channel											
Frequency (MHz)											
60	QPSK	1	1	64868	65000	65334	Tune-up MPR				
Channel											
Frequency (MHz)											
50	QPSK	1	1	64834	65000	65368	Tune-up MPR	23.0	0.0		
Channel											
Frequency (MHz)											
40	QPSK	1	1	64800	65000	65400	Tune-up MPR				
Channel											
Frequency (MHz)											
30	QPSK	1	1	64766	65000	65434	Tune-up MPR	23.0	0.0		
Channel											
Frequency (MHz)											
25	QPSK	1	1	64734	65000	65468	Tune-up MPR				
Channel											
Frequency (MHz)											
20	QPSK	1	1	64700	65000	65500	Tune-up MPR	23.0	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	64670	65000	65530	Tune-up MPR				
Channel											
Frequency (MHz)											
10	QPSK	1	1	64640	65000	65560	Tune-up MPR	23.0	0.0		
Channel											
Frequency (MHz)											
Channel											

Part270 n77 Ant6 DSI 8												
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)					3500.01							
100	1/2 BPSK	1	1		18.39		20.0		0.0			
100	1/2 BPSK	1	137		18.45							
100	1/2 BPSK	1	271		18.51							
100	1/2 BPSK	135	0		18.57							
100	1/2 BPSK	135	69		18.41		20.0		0.0			
100	1/2 BPSK	135	135		18.54							
100	1/2 BPSK	270	0		18.39							
100	QPSK	1	1		18.62							
100	QPSK	1	137		18.45		20.0		0.0			
100	QPSK	1	271		18.44							
100	QPSK	135	0		18.54							
100	QPSK	135	69		18.59							
100	QPSK	135	135		18.42		20.0		0.0			
100	QPSK	270	0		18.57							
100	16QAM	1	1		18.45							
100	64QAM	1	1		18.42							
100	256QAM	1	1		18.46		20.0		0.0			
Channel												
Frequency (MHz)					63300 63334 63368							
90	QPSK	1	1	63268	63334	63400	Tune-up MPR	20.0	0.0			
Channel												
Frequency (MHz)					63234 63334 63434							
80	QPSK	1	1	63200	63334	63468	Tune-up MPR					
Channel												
Frequency (MHz)					3490.02 3500.01 3510							
80	QPSK	1	1	18.60	18.60	18.57	20.0	20.0	0.0			
Channel												
Frequency (MHz)					3485.01 3500.01 3515.01							
70	QPSK	1	1	18.63	18.62	18.61	20.0					
Channel												
Frequency (MHz)					3480.01 3500.01 3520.02							
70	QPSK	1	1	18.62	18.62	18.61	20.0	20.0	0.0			
Channel												
Frequency (MHz)					3475.01 3500.01 3525.02							
60	QPSK	1	1	18.55	18.53	18.54	20.0					
Channel												
Frequency (MHz)					63134 63334 63534							
60	QPSK	1	1	63100	63334	63568	Tune-up MPR	20.0	0.0			
Channel												
Frequency (MHz)					3470.01 3500.01 3530.01							
40	QPSK	1	1	18.61	18.59	18.58	20.0					
Channel												
Frequency (MHz)					63100 63334 63568							
40	QPSK	1	1	63068	63334	63600	Tune-up MPR	20.0	0.0			
Channel												
Frequency (MHz)					3465 3500.01 3535.02							
30	QPSK	1	1	18.59	18.51	18.54	20.0					
Channel												
Frequency (MHz)					63034 63334 63634							
30	QPSK	1	1	63000	63334	63668	Tune-up MPR	20.0	0.0			
Channel												
Frequency (MHz)					3462.51 3500.01 3537.51							
25	QPSK	1	1	18.59	18.59	18.59	20.0					
Channel												
Frequency (MHz)					63068 63334 63600							
25	QPSK	1	1	63034	63334	63634	Tune-up MPR	20.0	0.0			
Channel												
Frequency (MHz)					3460.02 3500.01 3538							
20	QPSK	1	1	18.59	18.54	18.52	20.0					
Channel												
Frequency (MHz)					63060 63334 63616							
20	QPSK	1	1	62975	63000.01	62982	Tune-up MPR	20.0	0.0			
Channel												
Frequency (MHz)					3459.5 3500.01 3539.5							
15	QPSK	1	1	18.54	18.54	18.54	20.0					
Channel												
Frequency (MHz)					63034 63334 63634							
15	QPSK	1	1	62980	63000.01	62982	Tune-up MPR	20.0	0.0			
Channel												
Frequency (MHz)					3458.5 3500.01 3538.5							
10	QPSK	1	1	18.53	18.59	18.59	20.0					
Channel												
Frequency (MHz)					63034 63334 63634							

Part27Q n77 Ant6 DSI 8 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	1/2 BPSK	1	1		3500.01				
100	1/2 BPSK	1	137		21.55		23.0		
100	1/2 BPSK	1	271		21.71		23.0		
100	1/2 BPSK	135	0		21.70		23.0		
100	1/2 BPSK	135	69		21.63		23.0		
100	1/2 BPSK	135	135		21.67		23.0		0.0
100	1/2 BPSK	270	0		21.61				
100	QPSK	1	1		21.79				
100	QPSK	1	137		21.64		23.0		0.0
100	QPSK	1	271		21.60		23.0		0.0
100	QPSK	135	0		21.63		23.0		0.0
100	QPSK	135	69		21.76		23.0		0.0
100	QPSK	135	135		21.59		23.0		0.0
100	QPSK	270	0		21.71		23.0		0.0
100	16QAM	1	1		21.56		23.0		0.0
100	64QAM	1	1		21.56		23.0		0.0
100	256QAM	1	1		21.27		22.5		0.5
Channel									
90	QPSK	1	1	63300	6333.4	6336.9	Tune-up	MPR	
90	QPSK	1	1	21.73	21.78	21.77	23.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3490.02	3500.01	3510			(dB)
80	QPSK	1	1	21.74	21.68	21.73	23.0	0.0	
80	QPSK	1	1	3333.33	3333.33	3333.33			(dB)
80	QPSK	1	1	3485.01	3500.01	3515.01			(dB)
70	QPSK	1	1	21.73	21.77	21.70	23.0	0.0	
70	QPSK	1	1	3333.33	3333.33	3333.33			(dB)
70	QPSK	1	1	3480	3500.01	3520.02			(dB)
60	QPSK	1	1	21.72	21.76	21.69	23.0	0.0	
60	QPSK	1	1	3333.33	3333.33	3333.33			(dB)
60	QPSK	1	1	3475.02	3500.01	3525			(dB)
50	QPSK	1	1	21.73	21.74	21.72	23.0	0.0	
40	QPSK	1	1	3333.33	3333.33	3333.33			(dB)
40	QPSK	1	1	3470.01	3500.01	3530.01			(dB)
40	QPSK	1	1	21.71	21.70	21.70	23.0	0.0	
Channel									
30	QPSK	1	1	63100	6333.4	6356.6	Tune-up	MPR	
30	QPSK	1	1	3465	3500.01	3535.02			(dB)
Channel									
25	QPSK	1	1	21.75	21.67	21.71	23.0	0.0	
25	QPSK	1	1	6308.84	6333.4	6358.84	Tune-up	MPR	
25	QPSK	1	1	3482.51	3500.01	3537.51			(dB)
Channel									
20	QPSK	1	1	21.69	21.73	21.74	23.0	0.0	
20	QPSK	1	1	6306.68	6333.4	6360.66	Tune-up	MPR	
20	QPSK	1	1	3520.02	3520.01	3530			(dB)
20	QPSK	1	1	21.69	21.72	21.74	23.0	0.0	
Channel									
15	QPSK	1	1	63050	6333.4	6361.66	Tune-up	MPR	
15	QPSK	1	1	3525	3525.01	3535.25			(dB)
15	QPSK	1	1	21.71	21.70	21.70	23.0	0.0	
Channel									
10	QPSK	1	1	63033.4	6333.4	63633.4	Tune-up	MPR	
10	QPSK	1	1	3530.01	3530.01	3540.30			(dB)
10	QPSK	1	1	21.76	21.70	21.76	23.0	0.0	

Part270 n78 Ant6 DSI 8 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	21.83				23.5	0.0
100	1/2 BPSK	1	137	21.85					
100	1/2 BPSK	1	271	21.87					
100	1/2 BPSK	135	0	21.92				23.5	0.0
100	1/2 BPSK	135	69	21.85					
100	1/2 BPSK	135	138	21.83				23.5	0.0
100	1/2 BPSK	270	0	21.96					
100	QPSK	1	1	22.16					
100	QPSK	1	137	21.93				23.5	0.0
100	QPSK	1	271	21.90					
100	QPSK	135	0	21.74				23.5	0.0
100	QPSK	135	69	22.10					
100	QPSK	135	138	21.92				23.5	0.0
100	QPSK	270	0	22.04					
100	16QAM	1	1	22.01				23.5	0.0
100	64QAM	1	1	21.92				23.5	0.0
100	256QAM	1	1	21.51				22.7	0.5
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3743.02	3750	3753.01	limit (dB)		
90	QPSK	1	1	22.10	22.15	22.08	23.5	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	22.09	22.12	22.15	23.5	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	22.15	22.05	22.12	23.5	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3743.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	22.08	22.05	22.05	23.5	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3742.01	3750	3783.02	limit (dB)		
50	QPSK	1	1	22.09	22.08	22.13	23.5	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3730	3750	3790	limit (dB)		
40	QPSK	1	1	22.08	22.05	22.08	23.5	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3743.02	3750	3795.01	limit (dB)		
30	QPSK	1	1	22.13	22.12	22.05	23.5	0.0	
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3743.5	3750	3797.5	limit (dB)		
25	QPSK	1	1	22.09	22.05	22.11	23.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3743.01	3750	3799.02	limit (dB)		
20	QPSK	1	1	22.05	22.12	22.08	23.5	0.0	
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit (dB)		
15	QPSK	1	1	22.14	22.14	22.13	23.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1	22.10	22.06	22.09	23.5	0.0	

Part27Q n78 Ant6 DSI 8									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	18.93				20.5	0.0
100	1/2 BPSK	1	137	18.92					
100	1/2 BPSK	1	271	18.88					
100	1/2 BPSK	135	0	19.10				20.5	0.0
100	1/2 BPSK	135	69	19.00				20.5	0.0
100	1/2 BPSK	135	138	19.04				20.5	0.0
100	1/2 BPSK	270	0	18.92					
100	QPSK	1	1	19.23					
100	QPSK	1	137	18.88				20.5	0.0
100	QPSK	1	271	18.95					
100	QPSK	135	0	18.95				20.5	0.0
100	QPSK	135	69	19.11				20.5	0.0
100	QPSK	135	138	18.88				20.5	0.0
100	QPSK	270	0	19.02					
100	16QAM	1	1	18.96				20.5	0.0
100	64QAM	1	1	19.07				20.5	0.0
100	256QAM	1	1	19.01				20.5	0.0
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3503.02	limit (dB)		
90	QPSK	1	1	19.19	19.17	19.17	20.5	0.0	
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	19.18	19.13	19.16	20.5	0.0	
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3513.01	limit (dB)		
70	QPSK	1	1	19.13	19.13	19.15	20.5	0.0	
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	19.21	19.12	19.14	20.5	0.0	
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	19.19	19.12	19.21	20.5	0.0	
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	19.15	19.17	19.20	20.5	0.0	
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	19.20	19.14	19.13	20.5	0.0	
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	19.16	19.14	19.21	20.5	0.0	
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	19.21	19.18	19.17	20.5	0.0	
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	19.14	19.17	19.16	20.5	0.0	
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	19.20	19.16	19.13	20.5	0.0	

Part27Q n78 Ant6 DSI 8 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	21.93				23.5	0.0
100	1/2 BPSK	1	137	21.87					
100	1/2 BPSK	1	271	21.79					
100	1/2 BPSK	135	0	21.96				23.5	0.0
100	1/2 BPSK	135	69	22.04					
100	1/2 BPSK	135	138	22.16				23.5	0.0
100	1/2 BPSK	270	0	21.97					
100	QPSK	1	1	22.16					
100	QPSK	1	137	21.85				23.5	0.0
100	QPSK	1	271	21.89					
100	QPSK	135	0	21.86				23.5	0.0
100	QPSK	135	69	22.11					
100	QPSK	135	138	21.84				23.5	0.0
100	QPSK	270	0	22.04					
100	16QAM	1	1	21.86				23.5	0.0
100	64QAM	1	1	22.09				23.5	0.0
100	256QAM	1	1	21.50				22.7	0.5
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3503.02	limit (dB)		
90	QPSK	1	1	22.16	22.08	22.15	23.5	0.0	
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	22.10	22.16	22.21	23.5	0.0	
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3513.01	limit (dB)		
70	QPSK	1	1	22.11	22.13	22.13	23.5	0.0	
Channel				631999	633334	635334	Tune-up	MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	22.10	22.16	22.21	23.5	0.0	
Channel				631664	633334	636334	Tune-up	MPR	
Frequency (MHz)				3474.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	22.15	22.12	22.17	23.5	0.0	
Channel				631329	633334	637334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	22.11	22.12	22.15	23.5	0.0	
Channel				630994	633334	638334	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	22.16	22.14	22.12	23.5	0.0	
Channel				630658	633334	639334	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3540.01	limit (dB)		
25	QPSK	1	1	22.08	22.12	22.11	23.5	0.0	
Channel				630323	633334	639600	Tune-up	MPR	
Frequency (MHz)				3456.02	3500.01	3546	limit (dB)		
20	QPSK	1	1	22.14	22.14	22.14	23.5	0.0	
Channel				630000	633334	639868	Tune-up	MPR	
Frequency (MHz)				3450	3500.01	3550.02	limit (dB)		
15	QPSK	1	1	22.11	22.09	22.08	23.5	0.0	
Channel				630334	633334	630334	Tune-up	MPR	
Frequency (MHz)				3450	3500.01	3550.01	limit (dB)		
10	QPSK	1	1	22.17	22.16	22.11	23.5	0.0	



Part96 n48 Ant7 DSI 8											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
40	1/2 BPSK	1	1	3570	3624.99	3679.98		18.7	0.0		
40	1/2 BPSK	1	53	18.13	18.03	18.18					
40	1/2 BPSK	1	104	18.10	18.08	18.06					
40	1/2 BPSK	50	0	18.14	18.15	18.12		18.7	0.0		
40	1/2 BPSK	50	26	18.08	18.07	18.17					
40	1/2 BPSK	50	56	18.11	18.22	17.99					
40	1/2 BPSK	100	0	18.09	18.09	18.09		18.7	0.0		
40	QPSK	1	1	18.19	18.26	18.11					
40	QPSK	1	53	18.12	18.08	18.01					
40	QPSK	1	104	18.02	18.14	18.09		18.7	0.0		
40	QPSK	50	0	18.13	18.15	18.06					
40	QPSK	50	26	18.12	18.23	18.13					
40	QPSK	50	56	18.16	18.11	18.06		18.7	0.0		
40	QPSK	100	0	18.08	18.17	18.01					
40	16QAM	1	1	18.08	18.13	18.04					
40	16QAM	1	1	18.05	18.13	18.10		18.7	0.0		
40	256QAM	1	1	18.01	18.16	18.13					
Channel											
Frequency (MHz)											
30	QPSK	1	1	637688	641666	645666	Tune-up limit (dB)	18.7	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	637334	641666	646000	Tune-up limit (dB)	18.7	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	637168	641666	646166	Tune-up limit (dB)	18.7	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	637000	641666	646332	Tune-up limit (dB)	18.7	0.0		
Channel											
Frequency (MHz)											

Part270 n77 Ant7 DSI 8											
BW [MHz]	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	1/2 BPSK	1	1	3750	3840	3930		16.0	0.0		
100	1/2 BPSK	1	137	15.08	15.00	15.02					
100	1/2 BPSK	1	271	15.07	15.03	15.13					
100	1/2 BPSK	135	0	15.08	15.10	15.05		16.0	0.0		
100	1/2 BPSK	135	69	15.08	15.05	15.14					
100	1/2 BPSK	135	138	15.06	15.11	15.04					
100	1/2 BPSK	270	0	15.07	15.06	14.99		16.0	0.0		
100	QPSK	1	1	15.10	15.16	15.08					
100	QPSK	1	137	14.93	14.98	14.99					
100	QPSK	1	271	15.05	15.08	15.09		16.0	0.0		
100	QPSK	135	0	15.02	15.06	15.00					
100	QPSK	135	69	15.03	15.14	15.09					
100	QPSK	135	138	15.08	15.08	15.12		16.0	0.0		
100	QPSK	270	0	14.99	15.07	14.98					
100	16QAM	1	1	14.94	15.05	15.09					
100	64QAM	1	1	15.08	15.01	15.09		16.0	0.0		
100	256QAM	1	1	15.01	15.03	15.01					
Channel											
Frequency (MHz)											
90	QPSK	1	1	646668	656000	662334	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	646334	656000	662668	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											
70	QPSK	1	1	646000	656000	663000	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											
60	QPSK	1	1	645668	656000	663334	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											
50	QPSK	1	1	645334	656000	663668	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											
40	QPSK	1	1	645000	656000	664000	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	647668	656000	664334	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											
25	QPSK	1	1	647500	656000	664500	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	647334	656000	664668	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	647168	656000	664834	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	647000	656000	665000	Tune-up limit (dB)	16.0	0.0		
Channel											
Frequency (MHz)											

Part270 n77 Ant7 DSI 8 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000	656000	662000			
100	1/2 BPSK	1	1	3750	3840	3930			
100	1/2 BPSK	1	137	17.98	17.79	17.93	19.0		
100	1/2 BPSK	1	271	17.93	17.91	17.89			
100	1/2 BPSK	135	0	17.95	17.98	17.84	19.0		0.0
100	1/2 BPSK	135	69	17.87	17.85	17.93			
100	1/2 BPSK	135	138	17.85	17.91	17.88	19.0		0.0
100	1/2 BPSK	270	0	17.89	17.87	17.87			
100	QPSK	1	1	17.94	18.02	17.92			
100	QPSK	1	137	17.84	17.87	17.79	19.0		0.0
100	QPSK	1	271	17.81	17.88	17.95			
100	QPSK	135	0	17.88	17.92	17.88	19.0		0.0
100	QPSK	135	69	17.92	17.98	17.94			
100	QPSK	135	138	17.92	17.86	17.96	19.0		0.0
100	QPSK	270	0	17.93	17.95	17.92			
100	16QAM	1	1	17.84	17.88	17.95	19.0		0.0
100	64QAM	1	1	17.89	17.85	17.91	19.0		0.0
100	256QAM	1	1	17.88	17.97	17.84	Tune-up limit (dB)		
Channel				646668	656000	662334	Tune-up limit (dB)		
Frequency (MHz)				646334	656000	662668	Tune-up limit (dB)		
90	QPSK	1	1	17.87	17.98	17.82	19.0		0.0
Channel				374011	3840	3940	Tune-up limit (dB)		
80	QPSK	1	1	17.89	17.93	17.91	19.0		0.0
Channel				3739	3840	3945	Tune-up limit (dB)		
70	QPSK	1	1	17.92	17.94	17.89	19.0		0.0
Channel				3730	3840	3950	Tune-up limit (dB)		
60	QPSK	1	1	17.89	17.95	17.89	19.0		0.0
Channel				3725	3840	3955	Tune-up limit (dB)		
50	QPSK	1	1	17.92	17.94	17.89	19.0		0.0
Channel				3720	3840	3950	Tune-up limit (dB)		
40	QPSK	1	1	17.93	17.95	17.92	19.0		0.0
Channel				3715	3840	3955	Tune-up limit (dB)		
Frequency (MHz)				647668	656000	663334	Tune-up limit (dB)		
Channel				3718	3840	3963	Tune-up limit (dB)		
30	QPSK	1	1	17.95	17.98	17.93	19.0		0.0
Channel				3713	3840	3968	Tune-up limit (dB)		
25	QPSK	1	1	17.91	17.95	17.91	19.0		0.0
Channel				3710	3840	3972	Tune-up limit (dB)		
Frequency (MHz)				647334	656000	663668	Tune-up limit (dB)		
Channel				3705	3840	3977	Tune-up limit (dB)		
20	QPSK	1	1	17.96	17.97	17.99	19.0		0.0
Channel				3700	3840	3982	Tune-up limit (dB)		
Frequency (MHz)				647000	656000	664000	Tune-up limit (dB)		
15	QPSK	1	1	18.03	18.01	17.97	19.0		0.0
Channel				3690	3840	3990	Tune-up limit (dB)		
Frequency (MHz)				647000	656000	665000	Tune-up limit (dB)		
10	QPSK	1	1	17.84	17.98	17.87	19.0		0.0

Part27Q n77 Ant7 DSI 8 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		17.82			19.0	0.0
100	1/2 BPSK	1	137		17.82				
100	1/2 BPSK	1	271		17.85				
100	1/2 BPSK	135	0		17.98			19.0	0.0
100	1/2 BPSK	135	69		17.85			19.0	0.0
100	1/2 BPSK	135	138		17.89				
100	1/2 BPSK	270	0		17.91			19.0	0.0
100	QPSK	1	1		18.01				
100	QPSK	1	137		17.85			19.0	0.0
100	QPSK	1	271		17.90				
100	QPSK	135	0		17.69			19.0	0.0
100	QPSK	135	69		17.96			19.0	0.0
100	QPSK	135	138		17.86			19.0	0.0
100	QPSK	270	0		17.95				
100	16QAM	1	1		17.92			19.0	0.0
100	64QAM	1	1		17.83			19.0	0.0
100	256QAM	1	1		17.95			19.0	0.0
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.02	3505.02	limit (dB)		
90	QPSK	1	1		17.97	17.90	17.98	19.0	0.0
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3450.02	3500.02	3510	limit (dB)		
80	QPSK	1	1		17.97	17.98	17.93	19.0	0.0
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1		17.94	17.99	17.92	19.0	0.0
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3490	3500.02	3500.02	limit (dB)		
60	QPSK	1	1		17.98	17.94	17.95	19.0	0.0
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.97	3500.02	3505	limit (dB)		
50	QPSK	1	1		17.91	17.93	17.98	19.0	0.0
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.02	3505.01	limit (dB)		
40	QPSK	1	1		17.97	17.95	17.96	19.0	0.0
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3466	3500.02	3505.02	limit (dB)		
30	QPSK	1	1		17.97	17.97	17.95	19.0	0.0
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.02	3505.51	limit (dB)		
25	QPSK	1	1		17.92	17.95	17.97	19.0	0.0
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.02	3500	limit (dB)		
20	QPSK	1	1		17.93	17.94	18.00	19.0	0.0
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3461.5	3500.02	3505.5	limit (dB)		
15	QPSK	1	1		17.90	17.98	17.95	19.0	0.0
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.02	3505.01	limit (dB)		
10	QPSK	1	1		17.95	17.93	17.98	19.0	0.0

Part27O n78 Ant7 DSI 8									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		15.56			16.5	0.0
100	1/2 BPSK	1	137		15.59				
100	1/2 BPSK	1	271		15.54				
100	1/2 BPSK	135	0		15.68			16.5	0.0
100	1/2 BPSK	135	69		15.55			16.5	0.0
100	1/2 BPSK	135	138		15.63			16.5	0.0
100	1/2 BPSK	270	0		15.63				
100	QPSK	1	1		15.71				
100	QPSK	1	137		15.64			16.5	0.0
100	QPSK	1	271		15.65				
100	QPSK	135	0		15.68			16.5	0.0
100	QPSK	135	69		15.71			16.5	0.0
100	QPSK	135	138		15.68			16.5	0.0
100	QPSK	270	0		15.63				
100	16QAM	1	1		15.68			16.5	0.0
100	64QAM	1	1		15.54			16.5	0.0
100	256QAM	1	1		15.60			16.5	0.0
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)		
90	QPSK	1	1		15.72	15.72	15.69	16.5	0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1		15.63	15.66	15.65	16.5	0.0
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1		15.73	15.64	15.64	16.5	0.0
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1		15.73	15.70	15.72	16.5	0.0
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3765.02	limit (dB)		
50	QPSK	1	1		15.71	15.73	15.69	16.5	0.0
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1		15.67	15.64	15.73	16.5	0.0
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
30	QPSK	1	1		15.65	15.63	15.70	16.5	0.0
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
25	QPSK	1	1		15.69	15.64	15.64	16.5	0.0
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1		15.73	15.69	15.69	16.5	0.0
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.5	3750	3792.51	limit (dB)		
15	QPSK	1	1		15.66	15.66	15.68	16.5	0.0
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1		15.71	15.66	15.71	16.5	0.0

Part27O n78 Ant7 DSI 8 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		18.19			19.5	0.0
100	1/2 BPSK	1	137		18.26				
100	1/2 BPSK	1	271		18.27				
100	1/2 BPSK	135	0		18.36			19.5	0.0
100	1/2 BPSK	135	69		18.20			19.5	0.0
100	1/2 BPSK	135	138		18.32			19.5	0.0
100	1/2 BPSK	270	0		18.25				
100	QPSK	1	1		18.38				
100	QPSK	1	137		18.23			19.5	0.0
100	QPSK	1	271		18.35				
100	QPSK	135	0		18.35			19.5	0.0
100	QPSK	135	69		18.36			19.5	0.0
100	QPSK	135	138		18.32			19.5	0.0
100	QPSK	270	0		18.31				
100	16QAM	1	1		18.34			19.5	0.0
100	64QAM	1	1		18.26			19.5	0.0
100	256QAM	1	1		18.33			19.5	0.0
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)		
90	QPSK	1	1		18.34	18.30	18.29	19.5	0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1		18.32	18.32	18.36	19.5	0.0
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1		18.36	18.34	18.35	19.5	0.0
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1		18.34	18.27	18.36	19.5	0.0
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
50	QPSK	1	1		18.29	18.30	18.37	19.5	0.0
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1		18.35	18.29	18.29	19.5	0.0
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3716.02	3750	3783.01	limit (dB)		
30	QPSK	1	1		18.33	18.30	18.29	19.5	0.0
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3711.01	3750	3791.02	limit (dB)		
20	QPSK	1	1		18.32	18.33	18.37	19.5	0.0
Channel				647000	650000	652834	Tune-up	MPR	
Frequency (MHz)				3706.02	3750	3796.01	limit (dB)		
15	QPSK	1	1		18.33	18.31	18.33	19.5	0.0
Channel				646700	650000	653000	Tune-up	MPR	
Frequency (MHz)				3701.01	3750	3800.02	limit (dB)		
10	QPSK	1	1		18.32	18.33	18.38	19.5	0.0



Part27Q n78 Ant7 DSI 8

BW [MHz]	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	1/2 BPSK	1	1	15.59				
100	1/2 BPSK	1	137	15.77			16.5	0.0
100	1/2 BPSK	1	271	15.77				
100	1/2 BPSK	135	0	15.75			16.5	0.0
100	1/2 BPSK	135	69	15.70			16.5	0.0
100	1/2 BPSK	135	138	15.73			16.5	0.0
100	1/2 BPSK	270	0	15.62				
100	QPSK	1	1	15.81				
100	QPSK	1	137	15.73			16.5	0.0
100	QPSK	1	271	15.69				
100	QPSK	135	0	15.71			16.5	0.0
100	QPSK	135	69	15.77			16.5	0.0
100	QPSK	135	138	15.66			16.5	0.0
100	QPSK	270	0	15.64				
100	16QAM	1	1	15.68			16.5	0.0
100	16QAM	1	1	15.67			16.5	0.0
100	256QAM	1	1	15.71			16.5	0.0
Channel 633000								
Frequency (MHz)								
3495								
90	QPSK	1	1	15.80	15.75	15.77	16.5	0.0
Channel 632668								
Frequency (MHz)								
3490.02								
80	QPSK	1	1	15.71	15.50	15.75	16.5	0.0
Channel 632334								
Frequency (MHz)								
3485.01								
70	QPSK	1	1	15.74	15.75	15.71	16.5	0.0
Channel 632000								
Frequency (MHz)								
3480.01								
60	QPSK	1	1	15.70	15.73	15.71	16.5	0.0
Channel 631668								
Frequency (MHz)								
3475.02								
50	QPSK	1	1	15.78	15.78	15.80	16.5	0.0
Channel 631334								
Frequency (MHz)								
3470.01								
40	QPSK	1	1	15.79	15.78	15.77	16.5	0.0
Channel 631000								
Frequency (MHz)								
3465								
30	QPSK	1	1	15.79	15.73	15.75	16.5	0.0
Channel 630834								
Frequency (MHz)								
3462.51								
25	QPSK	1	1	15.74	15.72	15.75	16.5	0.0
Channel 630668								
Frequency (MHz)								
3460.03								
20	QPSK	1	1	15.77	15.73	15.76	16.5	0.0
Channel 630500								
Frequency (MHz)								
3457.5								
15	QPSK	1	1	15.74	15.76	15.76	16.5	0.0
Channel 630334								
Frequency (MHz)								
3455.01								
10	QPSK	1	1	15.75	15.72	15.79	16.5	0.0

Part27Q n78 Ant7 DSI 8 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 633334								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1	18.34				
100	1/2 BPSK	1	137	18.44			19.5	0.0
100	1/2 BPSK	1	271	18.41				
100	1/2 BPSK	135	0	18.47			19.5	0.0
100	1/2 BPSK	135	69	18.42			19.5	0.0
100	1/2 BPSK	135	138	18.47			19.5	0.0
100	1/2 BPSK	270	0	18.35				
100	QPSK	1	1	18.53				
100	QPSK	1	137	18.36			19.5	0.0
100	QPSK	1	271	18.40				
100	QPSK	135	0	18.37			19.5	0.0
100	QPSK	135	69	18.48			19.5	0.0
100	QPSK	135	138	18.36			19.5	0.0
100	QPSK	270	0	18.44				
100	16QAM	1	1	18.37			19.5	0.0
100	16QAM	1	1	18.34			19.5	0.0
100	256QAM	1	1	18.42			19.5	0.0
Channel 633000								
Frequency (MHz)								
3495								
90	QPSK	1	1	18.48	18.51	18.50	19.5	0.0
Channel 632668								
Frequency (MHz)								
3490.02								
80	QPSK	1	1	18.51	18.43	18.50	19.5	0.0
Channel 632334								
Frequency (MHz)								
3485.01								
70	QPSK	1	1	18.49	18.50	18.47	19.5	0.0
Channel 632000								
Frequency (MHz)								
3480.01								
60	QPSK	1	1	18.45	18.45	18.45	19.5	0.0
Channel 631668								
Frequency (MHz)								
3475.02								
50	QPSK	1	1	18.45	18.51	18.47	19.5	0.0
Channel 631334								
Frequency (MHz)								
3470.01								
40	QPSK	1	1	18.43	18.46	18.49	19.5	0.0
Channel 631000								
Frequency (MHz)								
3465								
30	QPSK	1	1	18.47	18.51	18.51	19.5	0.0
Channel 630834								
Frequency (MHz)								
3462.51								
25	QPSK	1	1	18.44	18.49	18.44	19.5	0.0
Channel 630668								
Frequency (MHz)								
3460.02								
20	QPSK	1	1	18.47	18.42	18.49	19.5	0.0
Channel 630500								
Frequency (MHz)								
3457.5								
15	QPSK	1	1	18.44	18.50	18.44	19.5	0.0
Channel 630334								
Frequency (MHz)								
3455.01								
10	QPSK	1	1	18.43	18.49	18.51	19.5	0.0



Part96 n48 Ant8 DSI 8										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR		
Channel				638000	641666	645632				
Frequency (MHz)				3570	3624.99	3679.98				
40	1/2 BPSK	1	1	12.08	11.99	12.10	13.5	0.0		
	1/2 BPSK	1	53	12.11	12.09	12.10				
	1/2 BPSK	1	104	12.06	12.10	12.14				
	1/2 BPSK	50	0	12.13	12.20	12.12				
40	1/2 BPSK	50	26	12.04	12.10	12.13	13.5	0.0		
	1/2 BPSK	50	56	12.12	12.14	12.08	13.5			
40	QPSK	1	1	12.13	12.23	12.06	13.5	0.0		
	QPSK	1	53	11.92	12.04	12.12				
	QPSK	1	104	12.07	12.08	12.13				
	QPSK	50	0	12.08	12.10	12.13				
40	QPSK	50	26	12.07	12.20	12.10	13.5	0.0		
	QPSK	50	56	12.13	12.11	12.15	13.5			
40	QPSK	100	0	12.10	12.15	12.06	13.5	0.0		
	QPSK	100	100	12.12	12.12	12.12				
40	16QAM	1	1	12.02	12.01	12.14	13.5	0.0		
	256QAM	1	1	12.16	12.19	12.07				
Channel				637668	641666	645632	Tune-up limit (dB)			
30	QPSK	1	1	12.04	12.17	12.00	13.5	0.0		
Channel				637334	641666	646000	Tune-up limit (dB)			
20	QPSK	1	1	12.03	12.13	12.02	13.5	0.0		
Channel				637168	641666	646166	Tune-up limit (dB)			
15	QPSK	1	1	12.11	12.19	11.99	13.5	0.0		
	QPSK	1	1	12.11	12.19	11.99				
Channel				637000	641666	646332	Tune-up limit (dB)			
10	QPSK	1	1	12.03	12.13	11.99	13.5	0.0		
	QPSK	1	1	12.03	12.13	11.99				
Channel				635502	642499	646499	Tune-up limit (dB)			

Part270 n77 Ant8 Other PA DSI 8										
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		16.0	0.0	
100	1/2 BPSK	1	137	14.46	14.40	14.33				
100	1/2 BPSK	1	271	14.37	14.37	14.42				
100	1/2 BPSK	135	0	14.48	14.36	14.37	16.0			
100	1/2 BPSK	135	69	14.35	14.34	14.42	16.0	0.0		
100	1/2 BPSK	135	138	14.37	14.40	14.37	16.0			
100	1/2 BPSK	270	0	14.42	14.41	14.34	16.0	0.0		
100	QPSK	1	1	14.45	14.51	14.41				
100	QPSK	1	137	14.28	14.38	14.34	16.0	0.0		
100	QPSK	1	271	14.41	14.40	14.37				
100	QPSK	135	0	14.40	14.36	14.37	16.0	0.0		
100	QPSK	135	69	14.40	14.48	14.41	16.0			
100	QPSK	135	138	14.33	14.36	14.40	16.0	0.0		
100	QPSK	270	0	14.43	14.46	14.37				
100	16QAM	1	1	14.29	14.44	14.47	16.0	0.0		
100	16QAM	1	1	14.41	14.35	14.44	16.0			
100	256QAM	1	1	14.38	14.47	14.34	16.0	0.0		
Channel				646668	656000	662334	Tune-up limit (dB)			
90	QPSK	1	1	14.39	14.47	14.34	16.0	0.0		
Channel				646334	656000	662668	Tune-up limit (dB)			
80	QPSK	1	1	14.41	14.43	14.32	16.0	0.0		
Channel				646000	656000	663000	Tune-up limit (dB)			
70	QPSK	1	1	14.35	14.45	14.32	16.0	0.0		
Channel				646668	656000	663334	Tune-up limit (dB)			
60	QPSK	1	1	14.42	14.47	14.39	16.0	0.0		
Channel				646334	656000	663668	Tune-up limit (dB)			
50	QPSK	1	1	14.36	14.41	14.34	16.0	0.0		
Channel				646000	656000	664000	Tune-up limit (dB)			
40	QPSK	1	1	14.35	14.49	14.36	16.0	0.0		
Channel				647668	656000	664334	Tune-up limit (dB)			
30	QPSK	1	1	14.40	14.45	14.40	16.0	0.0		
Channel				647500	656000	664500	Tune-up limit (dB)			
25	QPSK	1	1	14.42	14.44	14.32	16.0	0.0		
Channel				647334	656000	664668	Tune-up limit (dB)			
20	QPSK	1	1	14.43	14.43	14.36	16.0	0.0		
Channel				647168	656000	664834	Tune-up limit (dB)			
15	QPSK	1	1	14.42	14.44	14.33	16.0	0.0		
Channel				647000	656000	665000	Tune-up limit (dB)			
10	QPSK	1	1	14.42	14.44	14.40	16.0	0.0		
Channel				647000	656000	665000	Tune-up limit (dB)			

Part270 n77 Ant8 Other PA DSI 8 PC2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	1/2 BPSK	1	1	3750	3840	3930		19.0	0.0	
100	1/2 BPSK	1	137	16.50	16.89	16.91				
100	1/2 BPSK	1	271	16.93	16.92	16.88				
100	1/2 BPSK	135	0	16.90	16.99	16.83	19.0			
100	1/2 BPSK	135	69	16.94	16.87	16.97	19.0	0.0		
100	1/2 BPSK	135	138	16.93	16.95	16.81	19.0			
100	1/2 BPSK	270	0	16.92	16.86	16.90	19.0	0.0		
100	QPSK	1	1	17.01	17.04	16.94				
100	QPSK	1	137	16.84	16.82	16.86	19.0	0.0		
100	QPSK	1	271	16.85	16.94	16.98				
100	QPSK	135	0	16.91	16.91	16.87	19.0	0.0		
100	QPSK	135	69	16.92	17.01	16.92	19.0			
100	QPSK	135	138	16.98	16.86	16.99	19.0	0.0		
100	QPSK	270	0	16.99	16.97	16.95				
100	16QAM	1	1	16.85	16.97	16.92	19.0	0.0		
100	16QAM	1	1	16.89	16.84	16.84	19.0			
100	256QAM	1	1	16.96	16.84	16.97	19.0	0.0		
Channel				646668	656000	662334	Tune-up limit (dB)			
90	QPSK	1	1	16.97	17.02	16.85	19.0	0.0		
Channel				646334	656000	662668	Tune-up limit (dB)			
80	QPSK	1	1	16.90	16.99	16.89	19.0	0.0		
Channel				646000	656000	663000	Tune-up limit (dB)			
70	QPSK	1	1	16.90	16.94	16.95	19.0	0.0		
Channel				646668	656000	663334	Tune-up limit (dB)			
60	QPSK	1	1	16.93	16.95	16.91	19.0	0.0		
Channel				646334	656000	663668	Tune-up limit (dB)			
50	QPSK	1	1	16.98	17.02	16.91	19.0	0.0		
Channel				646000	656000	664000	Tune-up limit (dB)			
40	QPSK	1	1	16.99	17.00	16.89	19.0	0.0		
Channel				647668	656000	664334	Tune-up limit (dB)			
30	QPSK	1	1	16.91	16.95	16.87	19.0	0.0		
Channel				647500	656000	664500	Tune-up limit (dB)			
25	QPSK	1	1	16.96	16.97	16.83	19.0	0.0		
Channel				647334	656000	664668	Tune-up limit (dB)			
20	QPSK	1	1	17.01	17.01	16.90	19.0	0.0		
Channel				647168	656000	664834	Tune-up limit (dB)			
15	QPSK	1	1	17.00	16.98	16.83	19.0	0.0		
Channel				647000	656000	665000	Tune-up limit (dB)			
10	QPSK	1	1	17.00	17.01	16.88	19.0	0.0		
Channel				646834	656000	665168	Tune-up limit (dB)			

Part27Q n77 Ant8 Other PA DSI 8 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		17.28			
100	1/2 BPSK	1	137		17.49		19.0	0.0
100	1/2 BPSK	1	271		17.37			
100	1/2 BPSK	135	0		17.40		19.0	0.0
100	1/2 BPSK	135	69		17.41		19.0	0.0
100	1/2 BPSK	135	138		17.47		19.0	0.0
100	1/2 BPSK	270	0		17.38			
100	QPSK	1	1		17.59			
100	QPSK	1	137		17.45		19.0	0.0
100	QPSK	1	271		17.40			
100	QPSK	135	0		17.42		19.0	0.0
100	QPSK	135	69		17.53		19.0	0.0
100	QPSK	135	138		17.37		19.0	0.0
100	QPSK	270	0		17.46			
100	16QAM	1	1		17.38		19.0	0.0
100	64QAM	1	1		17.37		19.0	0.0
100	256QAM	1	1		17.42		19.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.02	3503.02	limit (dB)	(dB)
90	QPSK	1	1		17.66	17.53	17.49	19.0 0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3450.02	3500.03	3510	limit (dB)	(dB)
80	QPSK	1	1		17.51	17.51	17.56	19.0 0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.04	3515.01	limit (dB)	(dB)
70	QPSK	1	1		17.67	17.51	17.53	19.0 0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3460	3500.05	3503.02	limit (dB)	(dB)
60	QPSK	1	1		17.65	17.56	17.49	19.0 0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.06	3505	limit (dB)	(dB)
50	QPSK	1	1		17.67	17.49	17.48	19.0 0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.07	3503.01	limit (dB)	(dB)
40	QPSK	1	1		17.92	17.92	17.49	19.0 0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.08	3505.02	limit (dB)	(dB)
30	QPSK	1	1		17.90	17.49	17.52	19.0 0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.09	3507.51	limit (dB)	(dB)
25	QPSK	1	1		17.50	17.56	17.55	19.0 0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.10	3500	limit (dB)	(dB)
20	QPSK	1	1		17.49	17.50	17.55	19.0 0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3461.51	3500.11	3502.50	limit (dB)	(dB)
15	QPSK	1	1		17.53	17.54	17.51	19.0 0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.12	3504.01	limit (dB)	(dB)
10	QPSK	1	1		17.56	17.50	17.58	19.0 0.0

Part27O n78 Ant8 Other PA DSI 8

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		14.24			
100	1/2 BPSK	1	137		14.38		16.0	0.0
100	1/2 BPSK	1	271		14.31			
100	1/2 BPSK	135	0		14.34		16.0	0.0
100	1/2 BPSK	135	69		14.20		16.0	0.0
100	1/2 BPSK	135	138		14.28		16.0	0.0
100	1/2 BPSK	270	0		14.28			
100	QPSK	1	1		14.41			
100	QPSK	1	137		14.19		16.0	0.0
100	QPSK	1	271		14.36			
100	QPSK	135	0		14.38		16.0	0.0
100	QPSK	135	69		14.38		16.0	0.0
100	QPSK	135	138		14.37		16.0	0.0
100	QPSK	270	0		14.32			
100	16QAM	1	1		14.37		16.0	0.0
100	64QAM	1	1		14.27		16.0	0.0
100	256QAM	1	1		14.35		16.0	0.0
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3753.01	limit (dB)	(dB)
90	QPSK	1	1		14.32	14.38	14.30	16.0 0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)	(dB)
80	QPSK	1	1		14.33	14.38	14.33	16.0 0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit (dB)	(dB)
70	QPSK	1	1		14.35	14.30	14.34	16.0 0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)	(dB)
60	QPSK	1	1		14.31	14.33	14.37	16.0 0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3773.02	limit (dB)	(dB)
50	QPSK	1	1		14.33	14.32	14.33	16.0 0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3760	limit (dB)	(dB)
40	QPSK	1	1		14.39	14.39	14.33	16.0 0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3765.01	limit (dB)	(dB)
30	QPSK	1	1		14.40	14.33	14.36	16.0 0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3767.5	limit (dB)	(dB)
25	QPSK	1	1		14.35	14.32	14.38	16.0 0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3769.02	limit (dB)	(dB)
20	QPSK	1	1		14.32	14.31	14.38	16.0 0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3762.51	limit (dB)	(dB)
15	QPSK	1	1		14.37	14.36	14.38	16.0 0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3765	limit (dB)	(dB)
10	QPSK	1	1		14.37	14.40	14.33	16.0 0.0

Part27O n78 Ant8 Other PA DSI 8 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	1/2 BPSK	1	1		17.22			
100	1/2 BPSK	1	137		17.37		19.0	0.0
100	1/2 BPSK	1	271		17.29			
100	1/2 BPSK	135	0		17.32		19.0	0.0
100	1/2 BPSK	135	69		17.30		19.0	0.0
100	1/2 BPSK	135	138		17.35		19.0	0.0
100	1/2 BPSK	270	0		17.28			
100	QPSK	1	1		17.45			
100	QPSK	1	137		17.37		19.0	0.0
100	QPSK	1	271		17.23			
100	QPSK	135	0		17.34		19.0	0.0
100	QPSK	135	69		17.43		19.0	0.0
100	QPSK	135	138		17.29		19.0	0.0
100	QPSK	270	0		17.37			
100	16QAM	1	1		17.35		19.0	0.0
100	64QAM	1	1		17.26		19.0	0.0
100	256QAM	1	1		17.13		19.0	0.0
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3753.01	limit (dB)	(dB)
90	QPSK	1	1		17.44	17.42	17.38	19.0 0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)	(dB)
80	QPSK	1	1		17.38	17.41	17.39	19.0 0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit (dB)	(dB)
70	QPSK	1	1		17.39	17.35	17.42	19.0 0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)	(dB)
60	QPSK	1	1		17.24	17.39	17.39	19.0 0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3773.02	limit (dB)	(dB)
50	QPSK	1	1		17.40	17.42	17.34	19.0 0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3760	limit (dB)	(dB)
40	QPSK	1	1		17.43	17.35	17.38	19.0 0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3765.01	limit (dB)	(dB)
30	QPSK	1	1		17.38	17.41	17.42	19.0 0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3767.5	limit (dB)	(dB)
25	QPSK	1	1		17.43	17.39	17.43	19.0 0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3770.03	limit (dB)	(dB)
20	QPSK	1	1		17.43	17.37	17.37	19.0 0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.5	3750	3769.5	limit (dB)	(dB)
15	QPSK	1	1		17.38	17.36	17.39	19.0 0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3765	limit (dB)	(dB)
10	QPSK	1	1		17.35	17.42	17.34	19.0 0.0



Part27Q n78 Ant8 Other PA DSI 8									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	14.23			16.0	0.0	
100	1/2 BPSK	1	137	14.35					
100	1/2 BPSK	1	271	14.32					
100	1/2 BPSK	135	0	14.36			16.0	0.0	
100	1/2 BPSK	135	69	14.31			16.0	0.0	
100	1/2 BPSK	135	138	14.31			16.0	0.0	
100	1/2 BPSK	270	0	14.25					
100	QPSK	1	1	14.42					
100	QPSK	1	137	14.26			16.0	0.0	
100	QPSK	1	271	14.24					
100	QPSK	135	0	14.24			16.0	0.0	
100	QPSK	135	69	14.39			16.0	0.0	
100	QPSK	135	138	14.28			16.0	0.0	
100	QPSK	270	0	14.35					
100	16QAM	1	1	14.27			16.0	0.0	
100	16QAM	1	1	14.30			16.0	0.0	
100	256QAM	1	1	14.35			16.0	0.0	
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	14.39	14.37	14.38	16.0	0.0	
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	14.33	14.38	14.32	16.0	0.0	
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	14.33	14.34	14.35	16.0	0.0	
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	14.37	14.34	14.33	16.0	0.0	
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	14.40	14.41	14.37	16.0	0.0	
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	14.40	14.39	14.32	16.0	0.0	
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	14.33	14.41	14.34	16.0	0.0	
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	14.40	14.35	14.32	16.0	0.0	
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.03	3500.01	3540	limit (dB)		
20	QPSK	1	1	14.35	14.37	14.40	16.0	0.0	
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	14.39	14.32	14.40	16.0	0.0	
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	14.39	14.36	14.37	16.0	0.0	

Part27Q n78 Ant8 Other PA DSI 8 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	18.20				19.0	0.0
100	1/2 BPSK	1	137	18.37					
100	1/2 BPSK	1	271	18.32					
100	1/2 BPSK	135	0	18.34				19.0	0.0
100	1/2 BPSK	135	69	18.30				19.0	0.0
100	1/2 BPSK	135	138	18.35				19.0	0.0
100	1/2 BPSK	270	0	18.26					
100	QPSK	1	1	18.40					
100	QPSK	1	137	18.25				19.0	0.0
100	QPSK	1	271	18.24					
100	QPSK	135	0	18.32				19.0	0.0
100	QPSK	135	69	18.38				19.0	0.0
100	QPSK	135	138	18.34				19.0	0.0
100	QPSK	270	0	18.30					
100	16QAM	1	1	18.29				19.0	0.0
100	16QAM	1	1	18.26				19.0	0.0
100	256QAM	1	1	18.27				19.0	0.0
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	18.37	18.33	18.30	19.0	0.0	
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	18.33	18.31	18.33	19.0	0.0	
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	18.31	18.33	18.37	19.0	0.0	
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	18.33	18.30	18.33	19.0	0.0	
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	18.33	18.31	18.37	19.0	0.0	
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	18.38	18.30	18.34	19.0	0.0	
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	18.32	18.32	18.32	19.0	0.0	
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	18.39	18.36	18.36	19.0	0.0	
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	18.33	18.34	18.31	19.0	0.0	
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	18.36	18.34	18.32	19.0	0.0	
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	18.34	18.35	18.35	19.0	0.0	



Full&Default Power Mode NSA

n7 Ant0 Main_PA Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	23.90	23.91	23.86	24.5	0.0	
40	1/2 BPSK	1	108	23.86	23.88	23.81			
40	1/2 BPSK	1	214	23.79	23.85	23.78			
40	1/2 BPSK	108	0	23.22	23.29	23.23			
40	1/2 BPSK	108	54	23.82	23.88	23.82	24.5	0.0	
40	1/2 BPSK	108	108	23.13	23.20	23.12	24.0	0.5	
40	1/2 BPSK	216	0	23.05	23.15	23.09			
40	QPSK	1	1	23.85	23.92	23.91			
40	QPSK	1	108	23.87	23.88	23.79	24.5	0.0	
40	QPSK	1	214	23.82	23.89	23.84			
40	QPSK	108	0	22.75	22.82	22.74	23.5	1.0	
40	QPSK	108	54	23.78	23.87	23.79	24.5	0.0	
40	QPSK	108	108	22.67	22.73	22.70			
40	QPSK	216	0	22.67	22.71	22.65	23.5	1.0	
40	16QAM	1	1	22.79	22.81	22.73	23.5	1.0	
40	16QAM	1	1	21.35	21.38	21.27	22.0	2.5	
40	256QAM	1	1	19.34	19.37	19.31	20.0	4.5	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2317.5	2335	2352.5	limit (dB)		
35	QPSK	1	1	23.70	23.82	23.82	24.5	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2315	2335	2355	limit (dB)		
30	QPSK	1	1	23.75	23.90	23.82	24.5	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2317.5	2335	2357.5	limit (dB)		
25	QPSK	1	1	23.70	23.87	23.83	24.5	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2310	2335	2360	limit (dB)		
20	1/2 BPSK	1	1	23.74	23.83	23.83	24.5	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2307.5	2335	2362.5	limit (dB)		
15	QPSK	1	1	23.70	23.85	23.89	24.5	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2300	2332	2350	limit (dB)		
10	QPSK	1	1	23.83	23.82	23.84	24.5	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2292.5	2332	2359.5	limit (dB)		
5	QPSK	1	1	23.76	23.86	23.85	24.5	0.0	

n66 Ant0 Other PA Default									
BW [MHz]	Modulat on	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	25.20	25.22	25.19	25.7	0.0	
40	1/2 BPSK	1	108	24.98	25.07	25.06			
40	1/2 BPSK	1	214	25.01	25.05	24.95			
40	1/2 BPSK	108	0	24.56	24.62	24.56			
40	1/2 BPSK	108	54	25.10	25.18	25.09	25.7	0.0	
40	1/2 BPSK	108	108	24.48	24.59	24.52	25.2	0.5	
40	1/2 BPSK	216	0	24.59	24.64	24.53			
40	QPSK	1	1	25.22	25.20	25.27			
40	QPSK	1	108	25.09	25.12	25.01	25.7	0.0	
40	QPSK	1	214	24.96	25.02	24.86			
40	QPSK	108	0	24.13	24.15	24.13	24.7	1.0	
40	QPSK	108	54	25.17	25.22	25.19	25.7	0.0	
40	QPSK	108	108	24.10	24.13	24.11			
40	QPSK	216	0	24.13	24.20	24.11	24.7	1.0	
40	16QAM	1	1	24.11	24.17	24.09	24.7	1.0	
40	64QAM	1	1	22.55	22.61	22.57	23.2	2.5	
40	256QAM	1	1	21.01	21.09	20.98	21.2	4.5	
Channel				345500	349000	352500	Tune-up	MPR	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)		
35	QPSK	1	1	25.20	25.20	25.16	25.7	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit (dB)		
30	QPSK	1	1	25.14	25.10	25.25	25.7	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	QPSK	1	1	25.14	25.10	25.19	25.7	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	25.12	25.23	25.19	25.7	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)		
15	QPSK	1	1	25.14	25.20	25.21	25.7	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit (dB)		
10	QPSK	1	1	25.14	25.27	25.23	25.7	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)		
5	QPSK	1	1	25.16	25.26	25.20	25.7	0.0	

n38 Ant0 Main_PA Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	23.74	23.81	23.72	24.0	0.0
40	1/2 BPSK	1	53	23.74	23.75	23.66		
40	1/2 BPSK	1	104	23.62	23.71	23.66		
40	1/2 BPSK	50	0	23.15	23.16	23.10		
40	1/2 BPSK	50	26	23.66	23.73	23.66	24.0	0.0
40	1/2 BPSK	50	56	22.96	23.01	23.00	23.5	0.5
40	1/2 BPSK	100	0	22.95	23.05	22.97		
40	QPSK	1	1	23.79	23.85	23.78		
40	QPSK	1	53	23.77	23.81	23.76	24.0	0.0
40	QPSK	1	104	23.77	23.83	23.76		
40	QPSK	50	0	22.67	22.69	22.62	23.0	1.0
40	QPSK	50	26	23.74	23.75	23.72	24.0	0.0
40	QPSK	50	56	22.65	22.75	22.65	23.0	1.0
40	QPSK	100	0	22.64	22.71	22.61		
40	16QAM	1	1	22.69	22.75	22.69	23.0	1.0
40	64QAM	1	1	21.21	21.26	21.17	21.5	2.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	4.5
Channel				517002	519000	520998	Tune-up MPR	
Frequency (MHz)				2583.01	2595	2604.99	limit (dB)	
30	QPSK	1	1	23.62	23.83	23.69	24.0	0.0
Channel				516504	519000	521496	Tune-up MPR	
Frequency (MHz)				2592.52	2595	2607.48	limit (dB)	
25	QPSK	1	1	23.74	23.81	23.72	24.0	0.0
Channel				516000	519000	522000	Tune-up MPR	
Frequency (MHz)				2590	2595	2610	limit (dB)	
20	QPSK	1	1	23.69	23.82	23.70	24.0	0.0
Channel				515502	519000	522498	Tune-up MPR	
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)	
15	QPSK	1	1	23.71	23.77	23.74	24.0	0.0
Channel				515004	519000	522996	Tune-up MPR	
Frequency (MHz)				2575.02	2595	2614.98	limit (dB)	
10	QPSK	1	1	23.75	23.79	23.77	24.0	0.0

n41 Ant0 Main_PA Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	23.16	23.21	23.12	24.0	0.0
100	1/2 BPSK	1	137	23.15	23.22	23.12		
100	1/2 BPSK	1	271	23.16	23.21	23.12		
100	1/2 BPSK	135	0	23.16	23.24	23.14		
100	1/2 BPSK	135	69	23.09	23.16	23.10	24.0	0.0
100	1/2 BPSK	135	138	23.12	23.18	23.10	24.0	0.0
100	1/2 BPSK	270	0	23.13	23.16	23.07	25.4	0.0
100	QPSK	1	1	23.32	23.35	23.36		
100	QPSK	1	137	23.48	23.55	23.47		
100	QPSK	1	271	23.47	23.50	23.47	23.0	1.0
100	QPSK	135	0	22.46	22.59	22.46		
100	QPSK	135	69	23.12	23.21	23.11		
100	QPSK	135	138	22.33	22.41	22.36	23.0	1.0
100	QPSK	270	0	22.38	22.45	22.43	24.0	0.0
100	16QAM	1	1	23.37	23.45	23.42		
100	64QAM	1	1	23.34	23.39	23.34		
100	256QAM	1	1	21.07	21.11	21.09	22.0	2.0
Channel				508200	518598	526996	Tune-up MPR	
Frequency (MHz)				2541	2592.99	2644.99	limit (dB)	
90	QPSK	1	1	23.46	23.49	23.46	24.0	0.0
Channel				507204	518598	526996	Tune-up MPR	
Frequency (MHz)				2539.02	2592.99	2649.99	limit (dB)	
80	QPSK	1	1	23.45	23.54	23.47	24.0	0.0
Channel				506202	518596	531000	Tune-up MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)	
70	QPSK	1	1	23.47	23.48	23.47	24.0	0.0
Channel				505200	518596	531696	Tune-up MPR	
Frequency (MHz)				2526	24.16	2659.96	limit (dB)	
60	QPSK	1	1	23.49	23.51	23.53	24.0	0.0
Channel				504204	518596	532998	Tune-up MPR	
Frequency (MHz)				2524.02	2592.99	2664.99	limit (dB)	
50	QPSK	1	1	23.51	23.48	23.52	24.0	0.0
Channel				503202	518596	534000	Tune-up MPR	
Frequency (MHz)				2518.01	2592.99	2670	limit (dB)	
40	QPSK	1	1	23.42	23.56	23.50	24.0	0.0
Channel				502200	518598	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
30	QPSK	1	1	23.46	23.56	23.52	24.0	0.0
Channel				502200	518598	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
25	QPSK	1	1	23.48	23.51	23.52	24.0	0.0
Channel				501204	518598	535998	Tune-up MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)	
20	QPSK	1	1	23.45	23.57	23.50	24.0	0.0
Channel				500700	518598	536496	Tune-up MPR	
Frequency (MHz)				2500.5	2592.99	2680.48	limit (dB)	
15	QPSK	1	1	23.42	23.52	23.52	24.0	0.0
Channel				500202	518598	537000	Tune-up MPR	
Frequency (MHz)				2491.01	2592.99	2685	limit (dB)	
10	QPSK	1	1	23.43	23.51	23.51	24.0	0.0



n7 Ant1 Main_PA Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	23.66	23.68	23.58	24.5	0.0
40	1/2 BPSK	1	108	23.58	23.65	23.60		
40	1/2 BPSK	1	214	23.56	23.61	23.58		
40	1/2 BPSK	108	0	22.97	23.07	23.01	24.0	0.5
40	1/2 BPSK	108	54	23.53	23.63	23.59	24.5	0.0
40	1/2 BPSK	108	108	23.14	23.21	23.12	24.0	0.5
40	1/2 BPSK	216	0	23.18	23.20	23.16		
40	QPSK	1	1	23.63	23.71	23.62	24.5	0.0
40	QPSK	1	108	23.58	23.68	23.62		
40	QPSK	1	214	23.56	23.63	23.59		
40	QPSK	108	0	22.59	22.63	22.55	23.5	1.0
40	QPSK	108	54	23.80	23.86	23.56	24.5	0.0
40	QPSK	108	108	22.80	22.65	22.60	23.5	1.0
40	QPSK	216	0	22.57	22.63	22.55	23.5	1.0
40	16QAM	1	1	22.87	22.71	22.65		
40	16QAM	1	1	21.15	21.21	21.15		
40	256QAM	1	1	19.12	19.22	19.12	23.0	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)	
35	QPSK	1	1	23.57	23.68	23.53	24.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit (dB)	
30	QPSK	1	1	23.52	23.66	23.54	24.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	
25	QPSK	1	1	23.61	23.64	23.53	24.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit (dB)	
20	1/2 BPSK	1	1	23.55	23.65	23.57	24.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	
15	QPSK	1	1	23.50	23.62	23.53	24.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit (dB)	
10	QPSK	1	1	23.58	23.64	23.52	24.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)	
5	QPSK	1	1	23.53	23.67	23.55	24.5	0.0

n66 Ant1 Other PA Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	25.07	25.16	25.11	25.7	0.0
40	1/2 BPSK	1	108	25.10	25.12	25.04		
40	1/2 BPSK	1	214	25.02	25.07	25.01		
40	1/2 BPSK	108	0	24.57	24.60	24.58		
40	1/2 BPSK	108	54	25.08	25.11	25.04	25.7	0.0
40	1/2 BPSK	108	108	24.51	24.56	24.45	25.2	0.5
40	1/2 BPSK	216	0	24.53	24.63	24.60		
40	QPSK	1	1	25.19	25.23	25.19	25.7	0.0
40	QPSK	1	108	25.07	25.16	25.14		
40	QPSK	1	214	25.06	25.11	25.09		
40	QPSK	108	0	24.06	24.16	24.13		
40	QPSK	108	54	25.13	25.18	25.10	25.7	1.0
40	QPSK	108	108	24.03	24.08	24.04	24.7	1.0
40	QPSK	216	0	24.11	24.14	24.06	24.7	1.0
40	16QAM	1	1	24.12	24.21	24.18		
40	16QAM	1	1	22.71	22.74	22.66		
40	256QAM	1	1	21.09	21.13	21.09		
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	
35	QPSK	1	1	25.05	25.01	25.08	25.7	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	
30	QPSK	1	1	25.10	25.15	25.11	25.7	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	
25	QPSK	1	1	25.16	25.16	25.17	25.7	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	
20	QPSK	1	1	25.13	25.22	25.13	25.7	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	
15	QPSK	1	1	25.15	25.17	25.08	25.7	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	
10	QPSK	1	1	25.11	25.13	25.11	25.7	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	
5	QPSK	1	1	25.12	25.18	25.10	25.7	0.0



n38 Ant1 Main_PA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up (limit)	MPR (dBm)		
Channel										
Frequency (MHz)				2590.02	2595	2599.98				
40	1/2 BPSK	1		23.45	23.51	23.46	24.0	0.0		
40	1/2 BPSK	1	53	23.38	23.45	23.30				
40	1/2 BPSK	1	104	23.38	23.48	23.42				
40	1/2 BPSK	50	0	23.02	23.04	22.97	23.5	0.5		
40	1/2 BPSK	50	28	23.41	23.49	23.42	24.0	0.0		
40	1/2 BPSK	50	56	22.74	22.81	22.72	23.5	0.5		
40	1/2 BPSK	100	0	22.85	22.87	22.84				
40	QPSK	1		23.51	23.55	23.47	24.0	0.0		
40	QPSK	1	53	23.43	23.51	23.44				
40	QPSK	1	104	23.35	23.45	23.39				
40	QPSK	50	0	22.38	22.44	22.39	23.0	1.0		
40	QPSK	50	28	23.45	23.49	23.45	24.0	0.0		
40	QPSK	50	56	22.32	22.33	22.31	23.0	1.0		
40	QPSK	100	0	22.34	22.36	22.27				
40	16QAM	1		22.48	22.56	22.50	23.0	1.0		
40	16QAM	1		20.88	20.96	20.88	21.5	2.5		
40	256QAM	1		18.96	18.99	18.98	19.5	4.5		
Channel										
Frequency (MHz)				517002	519000	520998	Tune-up	MPR		
30	QPSK	1		23.43	23.45	23.44	24.0	0.0		
Channel										
Frequency (MHz)				516804	519000	521496	Tune-up	MPR		
25	QPSK	1		23.49	23.54	23.40	24.0	0.0		
Channel										
Frequency (MHz)				516000	519000	522000	Tune-up	MPR		
20	QPSK	1		23.47	23.45	23.38	24.0	0.0		
Channel										
Frequency (MHz)				515802	519000	522498	Tune-up	MPR		
15	QPSK	1		23.45	23.45	23.39	24.0	0.0		
Channel										
Frequency (MHz)				515004	519000	522996	Tune-up	MPR		
10	QPSK	1		23.40	23.47	23.42	24.0	0.0		

n41 Ant1 Main_PA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				5056.01	5092.99	5040				
100	1/2 BPSK	1	1	22.84	22.74	22.73	24.0		0.0	
100	1/2 BPSK	1	137	22.55	22.65	22.59				
100	1/2 BPSK	1	271	22.52	22.61	22.52				
100	1/2 BPSK	135	0	22.41	22.51	22.42	23.5		0.5	
100	1/2 BPSK	135	69	22.41	22.45	22.41	24.0		0.0	
100	1/2 BPSK	135	138	22.46	22.51	22.46	23.5		0.5	
100	1/2 BPSK	270	0	22.43	22.53	22.45				
100	QPSK	1	1	23.12	23.19	23.13				
100	QPSK	1	137	23.01	23.11	23.04	24.0		0.0	
100	QPSK	1	271	23.04	23.15	23.10				
100	QPSK	135	0	22.53	22.57	22.55	23.0		1.0	
100	QPSK	135	69	23.08	23.09	23.05	24.0		0.0	
100	QPSK	135	138	22.44	22.53	22.48	23.0		1.0	
100	QPSK	270	0	22.48	22.51	22.42				
100	16QAM	1	1	22.58	22.66	22.60	23.0		1.0	
100	64QAM	1	1	20.71	20.79	20.73	21.5		2.5	
100	256QAM	1	1	18.58	18.62	18.60	19.5		4.5	
Channel										
Frequency (MHz)				508200	518598	528996	Tune-up	MPR		
90	QPSK	1	1	23.06	23.16	23.11	24.0		0.0	
Channel										
Frequency (MHz)				507204	518598	529998	Tune-up	MPR		
80	QPSK	1	1	23.03	23.14	23.07	24.0		0.0	
Channel										
Frequency (MHz)				506202	518598	531000	Tune-up	MPR		
70	QPSK	1	1	23.11	23.12	23.07	24.0		0.0	
Channel										
Frequency (MHz)				505200	518598	531996	Tune-up	MPR		
60	QPSK	1	1	23.05	23.15	23.02	24.0		0.0	
Channel										
Frequency (MHz)				504204	518598	532998	Tune-up	MPR		
50	QPSK	1	1	23.01	23.13	23.06	24.0		0.0	
Channel										
Frequency (MHz)				503202	518598	534000	Tune-up	MPR		
40	QPSK	1	1	23.06	23.12	23.09	24.0		0.0	
Channel										
Frequency (MHz)				502200	518598	534996	Tune-up	MPR		
30	QPSK	1	1	23.06	23.12	23.08	24.0		0.0	
Channel										
Frequency (MHz)				502200	518598	534996	Tune-up	MPR		
25	QPSK	1	1	23.09	23.13	23.07	24.0		0.0	
Channel										
Frequency (MHz)				501204	518598	535996	Tune-up	MPR		
20	QPSK	1	1	23.07	23.08	23.04	24.0		0.0	
Channel										
Frequency (MHz)				500700	518598	536496	Tune-up	MPR		
15	QPSK	1	1	23.06	23.16	23.03	24.0		0.0	
Channel										
Frequency (MHz)				500202	518598	537000	Tune-up	MPR		
10	QPSK	1	1	23.04	23.11	23.05	24.0		0.0	

Part270 n77 Ant1 Main_PA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 655000	Power Middle Ch. Freq. 655000	Power High Ch. Freq. 655000	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				3750	3840	3930				
100	1/2 BPSK	1	1	22.84	22.91	22.81		23.5	0.0	
100	1/2 BPSK	1	137	22.77	22.79	22.71				
100	1/2 BPSK	1	271	22.71	22.78	22.67				
100	1/2 BPSK	135	0	22.74	22.80	22.74	23.5		0.0	
100	1/2 BPSK	138	69	22.65	22.74	22.73		23.5	0.0	
100	1/2 BPSK	138	138	22.74	22.75	22.67		23.5	0.0	
100	1/2 BPSK	270	0	22.76	22.83	22.80				
100	QPSK	1	1	22.95	22.98	22.93				
100	QPSK	1	137	22.82	22.91	22.86		23.5	0.0	
100	QPSK	1	271	22.86	22.95	22.88				
100	QPSK	138	0	22.57	22.65	22.55	23.5		0.0	
100	QPSK	138	69	22.68	22.75	22.72	23.5		0.0	
100	QPSK	138	138	22.67	22.73	22.72		23.5	0.0	
100	QPSK	270	0	22.73	22.81	22.74				
100	16QAM	1	1	22.72	22.75	22.74	23.5		0.0	
100	64QAM	1	1	21.59	21.69	21.64	23.0		0.5	
100	256QAM	1	1	20.16	20.17	20.15	21.0		2.5	
Channel				648668	655000	662334	Tune-up	MPR		
Frequency (MHz)				648668	655000	662334	limit			
90	QPSK	1	1	22.93	22.96	22.90	23.5		0.0	
Channel				649334	655000	662668	limit			
80	QPSK	1	1	22.57	22.50	22.51	23.5		0.0	
Channel				649000	655000	663000	limit			
70	QPSK	1	1	22.68	22.69	22.64	23.5		0.0	
Channel				649101	655000	664002	limit			
60	QPSK	1	1	22.70	22.72	22.69	23.5		0.0	
Frequency (MHz)				3730	3840	3950	limit			
60	QPSK	1	1	22.63	22.65	22.61	23.5		0.0	
Channel				3725	3840	3955	limit			
50	QPSK	1	1	22.62	22.66	22.67	23.5		0.0	
Channel				3720	3840	3960	limit			
40	QPSK	1	1	22.40	22.45	22.50	23.5		0.0	
Frequency (MHz)				3715	3840	3965	limit			
30	QPSK	1	1	22.43	22.48	22.53	23.5		0.0	
Channel				3710	3840	3960	limit			
25	QPSK	1	1	22.35	22.40	22.45	23.5		0.0	
Channel				3712.5	3930	3997.5	Tune-up	MPR		
20	QPSK	1	1	22.31	22.53	22.53	23.5		0.0	
Channel				647334	655000	666668	limit			
20	QPSK	1	1	22.01	22.01	22.01	23.5		0.0	
Channel				647118	655000	666434	Tune-up	MPR		
15	QPSK	1	1	22.07	22.07	22.07	23.5		0.0	
Channel				647000	655000	665000	Tune-up	MPR		
10	QPSK	1	1	22.00	22.00	22.00	23.5		0.0	



Part27Q n77 Ant1 Main_PA Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				633334		3500.01						
Frequency (MHz)				3500.01								
100	1/2 BPSK	1	1	21.51			23.5		0.0			
100	1/2 BPSK	1	137	21.58								
100	1/2 BPSK	1	271	21.55								
100	1/2 BPSK	135	0	21.52			23.5		0.0			
100	1/2 BPSK	135	69	21.56								
100	1/2 BPSK	135	138	21.57								
100	1/2 BPSK	270	0	21.53			23.5		0.0			
100	QPSK	1	1	21.63								
100	QPSK	1	137	21.51								
100	QPSK	1	271	21.58			23.5		0.0			
100	QPSK	135	0	21.55								
100	QPSK	135	69	21.59								
100	QPSK	135	138	21.58			23.5		0.0			
100	QPSK	270	0	21.57								
100	16QAM	1	1	21.81			23.5		0.0			
100	16QAM	1	1	21.43								
100	256QAM	1	1	19.96								
Channel				633000		633668						
Frequency (MHz)				3465		3500.01						
90	QPSK	1	1	21.58	21.53	21.55	23.5		0.0			
Channel				632688		634000						
Frequency (MHz)				3469.02		3500.01						
80	QPSK	1	1	21.61	21.55	21.59	23.5		0.0			
Channel				632334		634334						
Frequency (MHz)				3485.01		3500.01						
70	QPSK	1	1	21.59	21.65	21.53	23.5		0.0			
Channel				632000		634668						
Frequency (MHz)				3460		3500.02						
60	QPSK	1	1	21.54	21.54	21.51	23.5		0.0			
Channel				631668		633334						
Frequency (MHz)				3472.02		3500.01						
50	QPSK	1	1	21.59	21.52	21.59	23.5		0.0			
Channel				631334		633334						
Frequency (MHz)				3472.01		3500.01						
40	QPSK	1	1	21.61	21.52	21.57	23.5		0.0			
Channel				631000		633334						
Frequency (MHz)				3465		3500.02						
30	QPSK	1	1	21.57	21.53	21.58	23.5		0.0			
Channel				630834		633834						
Frequency (MHz)				3462.51		3500.01						
25	QPSK	1	1	21.52	21.57	21.55	23.5		0.0			
Channel				630668		633800						
Frequency (MHz)				3460.02		3500.01						
20	QPSK	1	1	21.54	21.55	21.80	23.5		0.0			
Channel				630500		633334						
Frequency (MHz)				3457.5		3500.01						
15	QPSK	1	1	21.81	21.53	21.58	23.5		0.0			
Channel				630334		633334						
Frequency (MHz)				3455.01		3500.01						
10	QPSK	1	1	21.57	21.80	21.55	23.5		0.0			

Part27Q n77 Ant1 Main_PA Default												
PC2												
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				633334		3500.01						
Frequency (MHz)				3500.01								
100	1/2 BPSK	1	1	24.19			25.5	0.0				
100	1/2 BPSK	1	137	24.22								
100	1/2 BPSK	1	271	24.06								
100	1/2 BPSK	135	0	23.07			25.0	0.5				
100	1/2 BPSK	135	69	24.09								
100	1/2 BPSK	135	138	23.65								
100	1/2 BPSK	270	0	23.84			25.0	0.5				
100	QPSK	1	1	24.23								
100	QPSK	1	137	24.14			25.5	0.0				
100	QPSK	1	271	24.17								
100	QPSK	135	0	22.65			24.5	1.0				
100	QPSK	135	69	24.13								
100	QPSK	135	138	23.14								
100	QPSK	270	0	23.20			24.5	1.0				
100	16QAM	1	1	23.23								
100	16QAM	1	1	21.26			24.5	1.0				
100	256QAM	1	1	19.49								
Channel				633000		633668						
Frequency (MHz)				3465		3500.01						
90	QPSK	1	1	24.18	24.20	24.12	25.5	0.0				
Channel				632688		634000						
Frequency (MHz)				3469.02		3500.01						
80	QPSK	1	1	24.19	24.18	24.14	25.5	0.0				
Channel				632334		634334						
Frequency (MHz)				3485.01		3500.01						
70	QPSK	1	1	24.20	24.14	24.15	25.5	0.0				
Channel				632000		634668						
Frequency (MHz)				3460		3500.01						
60	QPSK	1	1	24.15	24.20	24.16	25.5	0.0				
Channel				631668		633500						
Frequency (MHz)				3475.00		3500.01						
50	QPSK	1	1	24.15	24.12	24.19	25.5	0.0				
Channel				631334		633334						
Frequency (MHz)				3472.01		3500.01						
40	QPSK	1	1	24.21	24.14	24.12	25.5	0.0				
Channel				631000		633668						
Frequency (MHz)				3465		3500.01						
30	QPSK	1	1	24.13	24.22	24.16	25.5	0.0				
Channel				630834		633834						
Frequency (MHz)				3462.51		3500.01						
25	QPSK	1	1	24.19	24.16	24.16	25.5	0.0				
Channel				630668		633800						
Frequency (MHz)				3460.02		3500.01						
20	QPSK	1	1	24.14	24.18	24.20	25.5	0.0				
Channel				630500		633168						
Frequency (MHz)				3457.5		3500.01						
15	QPSK	1	1	24.21	24.20	24.18	25.5	0.0				
Channel				630334		633334						
Frequency (MHz)				3455.01		3500.01						
10	QPSK	1	1	24.15	24.19	24.18	25.5	0.0				
Channel				630000		633000						
Frequency (MHz)				3450		3500.01						

Part27O n78 Ant1 Main_PA Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	21.91			23.5		0.0
100	1/2 BPSK	1	137	21.89					
100	1/2 BPSK	1	271	21.88					
100	1/2 BPSK	135	0	21.93			23.5	0.0	
100	1/2 BPSK	135	69	21.92			23.5	0.0	
100	1/2 BPSK	135	138	21.91			23.5	0.0	
100	1/2 BPSK	270	0	21.9			23.5	0.0	
100	1/2 BPSK	270	138	21.88			23.5	0.0	
100	QPSK	1	137	22.01			23.5	0.0	
100	QPSK	1	271	21.99			23.5	0.0	
100	QPSK	135	0	21.95			23.5	0.0	
100	QPSK	135	69	21.98			23.5	0.0	
100	QPSK	135	138	21.96			23.5	0.0	
100	QPSK	270	0	21.9			23.5	0.0	
100	16QAM	1	1	21.91			23.5	0.0	
100	16QAM	1	137	21.87			23.5	0.0	
100	256QAM	1	1	20.35			21.0	2.5	
Channel				49888	65000	50034	Tune-up	MPR	
90	QPSK	1	1	1745.02	3750	3750	21.91	23.5	0.0
Channel				22.03	22.06	21.97	23.5	0.0	
Frequency (MHz)				49803	65000	50030	Tune-up	MPR	
80	QPSK	1	1	1740.01	3750	3750	21.89	23.5	0.0
Channel				22.06	22.03	22.01	23.5	0.0	
Frequency (MHz)				3725	3750	3765	Tune-up	MPR	
70	QPSK	1	1	21.09	21.08	22.02	23.5	0.0	
Channel				3750.02	3750	3750.01	23.5	0.0	
Frequency (MHz)				3730.02	3750	3770.01	Tune-up	MPR	
60	QPSK	1	1	22.02	21.07	22.01	23.5	0.0	
Channel				49800	65000	50030	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	Tune-up	MPR	
50	QPSK	1	1	22.00	22.06	22.04	23.5	0.0	
Channel				49800	65000	50030	Tune-up	MPR	
Frequency (MHz)				3720	3750	3760	Tune-up	MPR	
40	QPSK	1	1	22.01	22.04	22.09	23.5	0.0	
Channel				49788	65000	50034	Tune-up	MPR	
Frequency (MHz)				3716.02	3750	3788.01	Tune-up	MPR	
30	QPSK	1	1	21.09	21.08	22.01	23.5	0.0	
Channel				64700	65000	65200	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	Tune-up	MPR	
25	QPSK	1	1	22.04	22.03	21.99	23.5	0.0	
Channel				64738	65000	65206	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3791.99	Tune-up	MPR	
20	QPSK	1	1	22.03	21.99	22.01	23.5	0.0	
Channel				49788	65000	65204	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	Tune-up	MPR	
15	QPSK	1	1	22.03	22.04	22.04	23.5	0.0	
Channel				64700	65000	65300	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3792.5	Tune-up	MPR	
10	QPSK	1	1	22.06	22.04	22.06	23.5	0.0	

Part27Q n78 Ant1 Main_PA Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (m)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		21.57			23.5	0.0
100	1/2 BPSK	1	137		21.53				
100	1/2 BPSK	1	271		21.65				
100	1/2 BPSK	135	0		21.69			23.5	0.0
100	1/2 BPSK	135	69		21.62			23.5	0.0
100	1/2 BPSK	135	138		21.54			23.5	0.0
100	1/2 BPSK	270	0		21.63				
100	QPSK	1	1		21.54				
100	QPSK	1	137		21.66			23.5	0.0
100	QPSK	1	271		21.66			23.5	0.0
100	QPSK	135	0		21.64			23.5	0.0
100	QPSK	135	69		21.88			23.5	0.0
100	QPSK	135	138		21.61			23.5	0.0
100	QPSK	270	0		21.52			23.5	0.0
100	16QAM	1	1		21.63			23.5	0.0
100	64QAM	1	1		21.51			23.0	0.5
100	256QAM	1	1		20.14			21.0	2.5
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)	
90	QPSK	1	1	21.74	21.78	21.77		23.5	0.0
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)	
80	QPSK	1	1	21.73	21.78	21.73		23.5	0.0
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3488.01	3500.01	3516.01	limit	(dB)	
70	QPSK	1	1	21.82	21.83	21.79		23.5	0.0
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3489	3500.01	3520.02	limit	(dB)	
60	QPSK	1	1	21.77	21.79	21.79		23.5	0.0
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3478.02	3500.01	3522	limit	(dB)	
50	QPSK	1	1	21.82	21.74	21.76		23.5	0.0
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)	
40	QPSK	1	1	21.76	21.79	21.76		23.5	0.0
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3536.02	limit	(dB)	
30	QPSK	1	1	21.73	21.76	21.77		23.5	0.0
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)	
25	QPSK	1	1	21.80	21.80	21.82		23.5	0.0
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)	
20	QPSK	1	1	21.74	21.77	21.80		23.5	0.0
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)	
15	QPSK	1	1	21.75	21.80	21.78		23.5	0.0
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)	
10	QPSK	1	1	21.74	21.78	21.80		23.5	0.0

Part27Q n78 Ant1 Main_PA Default									
PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (m)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		24.35			25.5	0.0
100	1/2 BPSK	1	137		24.17				
100	1/2 BPSK	1	271		24.23				
100	1/2 BPSK	135	0		23.33			25.0	0.5
100	1/2 BPSK	135	69		24.14			25.5	0.0
100	1/2 BPSK	135	138		23.65			25.0	0.5
100	1/2 BPSK	270	0		23.86				
100	QPSK	1	1		24.35				
100	QPSK	1	137		24.30			25.5	0.0
100	QPSK	1	271		24.27			24.5	1.0
100	QPSK	135	0		23.67			25.5	0.0
100	QPSK	135	69		23.66			25.5	0.0
100	QPSK	135	138		23.36			24.5	1.0
100	QPSK	270	0		23.38				
100	16QAM	1	1		23.11			24.5	1.0
100	64QAM	1	1		21.69			23.0	2.5
100	256QAM	1	1		19.47			21.0	4.5
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)	
90	QPSK	1	1	24.32	24.34	24.33		25.5	0.0
Channel				632668	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)	
80	QPSK	1	1	24.29	24.25	24.29		25.5	0.0
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3488.01	3500.01	3516.01	limit	(dB)	
70	QPSK	1	1	24.34	24.29	24.34		25.5	0.0
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3490	3500.01	3520.02	limit	(dB)	
60	QPSK	1	1	24.34	24.29	24.34		25.5	0.0
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3478.02	3500.01	3522	limit	(dB)	
50	QPSK	1	1	24.29	24.34	24.33		25.5	0.0
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)	
40	QPSK	1	1	24.29	24.28	24.31		25.5	0.0
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3465	3500.01	3536.03	limit	(dB)	
30	QPSK	1	1	24.29	24.27	24.33		25.5	0.0
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)	
25	QPSK	1	1	24.28	24.32	24.28		25.5	0.0
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)	
20	QPSK	1	1	24.28	24.29	24.28		25.5	0.0
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)	
15	QPSK	1	1	24.27	24.28	24.28		25.5	0.0
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)	
10	QPSK	1	1	24.27	24.33	24.29		25.5	0.0



Part270 n77 Ant8 Main_PA Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				650000	656000	662000						
Frequency (MHz)				3750	3840	3930						
100	1/2 BPSK	1	1	20.12	20.22	20.21		21.5		0.0		
100	1/2 BPSK	1	137	20.09	20.18	20.12						
100	1/2 BPSK	1	271	20.09	20.17	20.15						
100	1/2 BPSK	135	0	19.66	19.73	19.65	21.5					
100	1/2 BPSK	135	69	20.18	20.26	20.23	21.5	21.5		0.0		
100	1/2 BPSK	135	135	20.12	20.18	20.09						
100	1/2 BPSK	270	0	20.08	20.15	20.10						
100	QPSK	1	1	20.35	20.37	20.26						
100	QPSK	1	137	20.19	20.28	20.20	21.5	21.5		0.0		
100	QPSK	1	271	20.16	20.26	20.19						
100	QPSK	135	0	20.24	20.27	20.21	21.5					
100	QPSK	135	69	20.28	20.34	20.32	21.5					
100	QPSK	135	135	20.28	20.33	20.31	21.5	21.5		0.0		
100	QPSK	270	0	20.22	20.31	20.21						
100	16QAM	1	1	20.06	20.15	20.06	21.5					
100	64QAM	1	1	19.80	19.81	19.73	21.0					
100	256QAM	1	1	17.68	17.73	17.66	19.0	2.5				
Channel				649688	656000	662334	Tune-up limit (dB)	MPR				
90	QPSK	1	1	20.33	20.30	20.22	21.5	21.5	0.0			
Channel				649334	656000	662668	Tune-up limit (dB)	MPR				
80	QPSK	1	1	20.25	20.31	20.24	21.5	21.5	0.0			
Channel				649000	656000	663000	Tune-up limit (dB)	MPR				
70	QPSK	1	1	20.30	20.34	20.23	21.5	21.5	0.0			
Channel				648668	656000	663334	Tune-up limit (dB)	MPR				
60	QPSK	1	1	20.33	20.34	20.22	21.5	21.5	0.0			
Channel				648334	656000	663668	Tune-up limit (dB)	MPR				
50	QPSK	1	1	20.33	20.32	20.19	21.5	21.5	0.0			
Channel				648000	656000	664000	Tune-up limit (dB)	MPR				
40	QPSK	1	1	20.32	20.32	20.18	21.5	21.5	0.0			
Channel				647668	656000	664334	Tune-up limit (dB)	MPR				
30	QPSK	1	1	20.24	20.35	20.26	21.5	21.5	0.0			
Channel				647500	656000	664500	Tune-up limit (dB)	MPR				
25	QPSK	1	1	20.29	20.32	20.19	21.5	21.5	0.0			
Channel				647334	656000	664668	Tune-up limit (dB)	MPR				
20	QPSK	1	1	20.31	20.32	20.24	21.5	21.5	0.0			
Channel				647168	656000	664834	Tune-up limit (dB)	MPR				
15	QPSK	1	1	20.30	20.34	20.24	21.5	21.5	0.0			
Channel				647000	656000	665000	Tune-up limit (dB)	MPR				
10	QPSK	1	1	20.32	20.35	20.21	21.5	0.0				

Part270 n77 Ant8 Main_PA Default													
PC2													
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				650000	656000	662000							
Frequency (MHz)				3750	3840	3930							
100	1/2 BPSK	1	1	23.00	23.06	22.98	24.0	0.0					
100	1/2 BPSK	1	137	22.86	22.92	22.87							
100	1/2 BPSK	1	271	22.94	23.01	22.98							
100	1/2 BPSK	135	0	22.71	22.75	22.65					23.5		
100	1/2 BPSK	135	69	22.70	22.71	22.63	24.0	0.0					
100	1/2 BPSK	135	135	22.92	22.95	22.94					23.5		
100	1/2 BPSK	270	0	22.98	23.07	23.01							
100	QPSK	1	1	23.09	23.15	23.09							
100	QPSK	1	137	23.08	23.11	23.05	24.0	0.0					
100	QPSK	1	271	23.04	23.06	23.04							
100	QPSK	135	0	22.51	22.53	22.45					23.0		
100	QPSK	135	69	22.90	22.91	22.85					24.0		
100	QPSK	135	135	22.50	22.51	22.45	23.0	1.0					
100	QPSK	270	0	22.51	22.58	22.50							
100	16QAM	1	1	22.09	22.18	22.12					23.0		
100	64QAM	1	1	20.73	20.77	20.70					21.5		
100	256QAM	1	1	19.63	19.68	19.63	19.5				4.5		
Channel				649688	656000	662334	Tune-up limit (dB)				MPR		
90	QPSK	1	1	23.07	23.12	23.07	24.0	24.0	0.0				
Channel				649334	656000	662668	Tune-up limit (dB)	MPR					
80	QPSK	1	1	23.02	23.12	23.05	24.0	24.0	0.0				
Channel				649000	656000	663000	Tune-up limit (dB)	MPR					
70	QPSK	1	1	23.04	23.12	23.02	24.0	24.0	0.0				
Channel				648668	656000	663334	Tune-up limit (dB)	MPR					
60	QPSK	1	1	22.99	23.05	23.05	24.0	24.0	0.0				
Channel				648334	656000	663668	Tune-up limit (dB)	MPR					
50	QPSK	1	1	23.07	23.14	23.08	24.0	24.0	0.0				
Channel				648000	656000	664000	Tune-up limit (dB)	MPR					
40	QPSK	1	1	23.07	23.07	23.04	24.0	24.0	0.0				
Channel				647668	656000	664334	Tune-up limit (dB)	MPR					
30	QPSK	1	1	23.00	23.11	22.99	24.0	24.0	0.0				
Channel				647500	656000	664500	Tune-up limit (dB)	MPR					
25	QPSK	1	1	22.98	23.13	23.03	24.0	24.0	0.0				
Channel				647334	656000	664668	Tune-up limit (dB)	MPR					
20	QPSK	1	1	22.99	23.11	23.07	24.0	24.0	0.0				
Channel				647168	656000	664834	Tune-up limit (dB)	MPR					
15	QPSK	1	1	22.98	23.07	23.02	24.0	24.0	0.0				
Channel				647000	656000	665000	Tune-up limit (dB)	MPR					
10	QPSK	1	1	23.02	23.10	23.06	24.0	0.0					

Part27Q n77 Ant8 Main_PA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				630000	633334	636668				
Frequency (MHz)				3500.01						
100	1/2 BPSK	1	1	19.85			21.5		0.0	
100	1/2 BPSK	1	137	19.87						
100	1/2 BPSK	1	271	19.87						
100	1/2 BPSK	135	0	19.91						
100	1/2 BPSK	135	69	19.74			21.5		0.0	
100	1/2 BPSK	135	135	19.71						
100	1/2 BPSK	270	0	19.70						
100	QPSK	1	1	20.00						
100	QPSK	1	137	19.83			21.5		0.0	
100	QPSK	1	271	19.85						
100	QPSK	135	0	19.92						
100	QPSK	135	69	19.98						
100	QPSK	135	135	19.91			21.5		0.0	
100	QPSK	270	0	19.80						
100	16QAM	1	1	19.92						
100	64QAM	1	1	19.35						
100	256QAM	1	1	17.29			19.0	2.5		
Channel				633000	633334	633668	Tune-up limit (dB)	MPR		
90	QPSK	1	1	19.91	19.93	19.98	21.5	21.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dB)			
80	QPSK	1	1	19.92	19.91	19.90	21.5	21.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dB)			
70	QPSK	1	1	19.93	19.89	19.95	21.5	21.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dB)			
60	QPSK	1	1	19.92	19.91	19.90	21.5	21.5	0.0	
Channel				631668	633334		Tune-up limit (dB)			
Frequency (MHz)				3485.01	3500.01	3515.01				
50	QPSK	1	1	19.98	19.89	19.95	21.5	21.5	0.0	
Channel				630000	633334	636668	Tune-up limit (dB)			
40	QPSK	1	1	19.97	19.88	19.91	21.5	21.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dB)			
30	QPSK	1	1	19.92	19.93	19.91	21.5	21.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dB)			
20	QPSK	1	1	19.95	19.87	19.95	21.5	21.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dB)			
10	QPSK	1	1	19.91	19.91	19.91	21.5	21.5	0.0	
Channel				630334	633334	633334	Tune-up limit (dB)			
25	QPSK	1	1	19.96	19.87	19.95	21.5	21.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dB)			
20	QPSK	1	1	19.90	19.84	19.88	21.5	21.5	0.0	
Channel				630000	633334	636168	Tune-up limit (dB)			
15	QPSK	1	1	19.95	19.88	19.91	21.5	21.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dB)			
10	QPSK	1	1	19.90	19.80	19.84	21.5	21.5	0.0	
Channel				630000	633334	636000	Tune-up limit (dB)			



Part270 n78 Ant8 Main_PA Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	20.04			21.5		0.0
100	1/2 BPSK	1	137	20.16					
100	1/2 BPSK	1	271	20.13					
100	1/2 BPSK	135	0	20.19			21.5		0.0
100	1/2 BPSK	135	69	20.10			21.5		0.0
100	1/2 BPSK	135	138	20.09			21.5		0.0
100	1/2 BPSK	270	0	20.33			21.5		0.0
100	QPSK	1	1	20.38					
100	QPSK	1	137	20.20			21.5		0.0
100	QPSK	1	271	20.18					
100	QPSK	135	0	19.92			21.5		0.0
100	QPSK	135	69	20.21			21.5		0.0
100	QPSK	135	138	20.07			21.5		0.0
100	QPSK	270	0	20.03					
100	16QAM	1	1	20.11			21.5		0.0
100	64QAM	1	1	20.17			21.0		0.5
100	256QAM	1	1	19.67			19.0		2.5
Channel									
90	Frequency (MHz)	649668	650000	650334			Tune-up MPR		
90	QPSK	1	1	20.37	20.32	20.35	21.5		0.0
Channel									
80	Frequency (MHz)	649334	650000	650668			Tune-up MPR		
80	QPSK	1	1	20.34	20.34	20.28	21.5		0.0
Channel									
70	Frequency (MHz)	649000	650000	651000			Tune-up MPR		
70	QPSK	1	1	3725	3720	3765	limit (dB)		
Channel									
60	Frequency (MHz)	648668	650000	651334			Tune-up MPR		
60	QPSK	1	1	20.29	20.33	20.34	21.5		0.0
Channel									
50	Frequency (MHz)	648334	650000	651668			Tune-up MPR		
50	QPSK	1	1	20.29	20.32	20.34	21.5		0.0
Channel									
40	Frequency (MHz)	648000	650000	652000			Tune-up MPR		
40	QPSK	1	1	20.31	20.33	20.36	21.5		0.0
Channel									
30	Frequency (MHz)	647668	650000	652334			Tune-up MPR		
30	QPSK	1	1	20.32	20.27	20.33	21.5		0.0
Channel									
25	Frequency (MHz)	647334	650000	652500			Tune-up MPR		
25	QPSK	1	1	20.35	20.37	20.32	21.5		0.0
Channel									
20	Frequency (MHz)	647000	650000	652668			Tune-up MPR		
20	QPSK	1	1	20.34	20.32	20.33	21.5		0.0
Channel									
15	Frequency (MHz)	647168	650000	652834			Tune-up MPR		
15	QPSK	1	1	20.36	20.27	20.32	21.5		0.0
Channel									
10	Frequency (MHz)	647000	650000	653000			Tune-up MPR		
10	QPSK	1	1	20.37	20.29	20.29	21.5		0.0

Part270 n78 Ant8 Main_PA Default									
PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	23.31			24.0	0.0	
100	1/2 BPSK	1	137	23.29					
100	1/2 BPSK	1	271	22.50					
100	1/2 BPSK	135	0	22.56			23.5	0.5	
100	1/2 BPSK	135	69	23.25			24.0	0.0	
100	1/2 BPSK	135	138	22.90			23.5	0.5	
100	1/2 BPSK	270	0	22.97					
100	QPSK	1	1	23.38					
100	QPSK	1	137	23.35			24.0	0.0	
100	QPSK	1	271	23.25					
100	QPSK	135	0	22.47			23.0	1.0	
100	QPSK	135	69	22.49			24.0	0.0	
100	QPSK	135	138	22.46			23.0	1.0	
100	QPSK	270	0	22.47					
100	16QAM	1	1	22.39			23.0	1.0	
100	64QAM	1	1	19.61			21.5	2.5	
100	256QAM	1	1	18.99			19.5	4.5	
Channel									
90	Frequency (MHz)	649686	650000	650334			Tune-up MPR		
90	QPSK	1	1	23.33	23.31	23.37	24.0	0.0	
Channel									
80	Frequency (MHz)	649354	650000	650668			Tune-up MPR		
80	QPSK	1	1	23.30	23.33	23.31	24.0	0.0	
Channel									
70	Frequency (MHz)	649020	650000	651000			Tune-up MPR		
70	QPSK	1	1	3735	3720	3765	limit (dB)		
Channel									
60	Frequency (MHz)	648686	650000	651334			Tune-up MPR		
60	QPSK	1	1	23.31	23.31	23.35	24.0	0.0	
Channel									
50	Frequency (MHz)	648354	650000	651668			Tune-up MPR		
50	QPSK	1	1	23.33	23.29	23.37	24.0	0.0	
Channel									
40	Frequency (MHz)	648020	650000	652000			Tune-up MPR		
40	QPSK	1	1	3720	3720	3760	limit (dB)		
Channel									
30	Frequency (MHz)	647686	650000	652334			Tune-up MPR		
30	QPSK	1	1	23.35	23.25	23.32	24.0	0.0	
Channel									
25	Frequency (MHz)	647354	650000	652500			Tune-up MPR		
25	QPSK	1	1	23.31	23.33	23.35	24.0	0.0	
Channel									
20	Frequency (MHz)	647020	650000	652668			Tune-up MPR		
20	QPSK	1	1	23.33	23.32	23.33	24.0	0.0	
Channel									
15	Frequency (MHz)	647186	650000	652834			Tune-up MPR		
15	QPSK	1	1	23.29	23.37	23.34	24.0	0.0	
Channel									
10	Frequency (MHz)	647020	650000	653000			Tune-up MPR		
10	QPSK	1	1	23.38	23.32	23.36	24.0	0.0	

Part27Q n78 Ant8 Main_PA Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	19.96			21.5	0.0	
100	1/2 BPSK	1	137	19.76					
100	1/2 BPSK	1	271	19.92					
100	1/2 BPSK	135	0	19.78			21.5	0.0	
100	1/2 BPSK	135	69	19.71			21.5	0.0	
100	1/2 BPSK	135	138	19.97			21.5	0.0	
100	1/2 BPSK	270	0	19.80					
100	QPSK	1	1	19.82					
100	QPSK	1	137	19.67			21.5	0.0	
100	QPSK	1	271	19.54					
100	QPSK	135	0	19.84			21.5	0.0	
100	QPSK	135	69	19.69			21.5	0.0	
100	QPSK	135	138	19.62			21.5	0.0	
100	QPSK	270	0	19.83					
100	16QAM	1	1	19.66			21.5	0.0	
100	64QAM	1	1	19.58			21.0	0.5	
100	256QAM	1	1	18.05			19.0	2.5	
Channel									
90	Frequency (MHz)	633000	633334	633668			Tune-up limit (dB)		
90	QPSK	1	1	3498	3500.01	3502	21.5	0.0	
Channel									
80	Frequency (MHz)	632668	633334	634000			Tune-up limit (dB)		
80	QPSK	1	1	19.77	19.80	19.76	21.5	0.0	
Channel									
70	Frequency (MHz)	632334	633334	634334			Tune-up limit (dB)		
70	QPSK	1	1	3485.01	3500.01	3515.01	21.5	0.0	
Channel									
60	Frequency (MHz)	632000	633334	634668			Tune-up limit (dB)		
60	QPSK	1	1	19.79	19.79	19.78	21.5	0.0	
Channel									
50	Frequency (MHz)	631668	633334	635000			Tune-up limit (dB)		
50	QPSK	1	1	19.77	19.78	19.72	21.5	0.0	
Channel									
40	Frequency (MHz)	631334	633334	635334			Tune-up limit (dB)		
40	QPSK	1	1	19.79	19.79	19.73	21.5	0.0	
Channel									
30	Frequency (MHz)	631000	633334	635668			Tune-up limit (dB)		
30	QPSK	1	1	19.72	19.77	19.77	21.5	0.0	
Channel									
25	Frequency (MHz)	630834	633334	635834			Tune-up MPR (dB)		
25	QPSK	1	1	3492.51	3500.01	3512.51	21.5	0.0	
Channel									
20	Frequency (MHz)	630668	633334	636068			Tune-up MPR (dB)		
20	QPSK	1	1	3490.02	3500.01	3510.02	21.5	0.0	
Channel									
15	Frequency (MHz)	630500	633334	636168			Tune-up MPR (dB)		
15	QPSK	1	1	3487.5	3500.01	3511.5	21.5	0.0	
Channel									
10	Frequency (MHz)	630334	633334	636334			Tune-up MPR (dB)		
10	QPSK	1	1	3485.01	3500.01	3513.01	21.5	0.0	
10	QPSK	1	1	19.77	19.79	19.80	21.5	0.0	

Reduced Power Mode for NSA DSI 1

n7 Ant0 Main_PA DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	24.0	0.0
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	23.33	23.50	23.49		
40	1/2 BPSK	1	108	23.43	23.37	23.46	24.0	0.0
40	1/2 BPSK	1	214	23.32	23.49	23.33		
40	1/2 BPSK	108	0	23.22	23.29	23.23		
40	1/2 BPSK	108	54	23.43	23.36	23.40	24.0	0.0
40	1/2 BPSK	108	108	23.13	23.20	23.12		
40	1/2 BPSK	216	0	23.05	23.15	23.09		
40	QPSK	1	1	23.38	23.51	23.32	24.0	0.0
40	QPSK	1	108	23.42	23.46	23.49		
40	QPSK	1	214	23.43	23.40	23.42		
40	QPSK	108	0	22.75	22.82	22.74	23.5	0.5
40	QPSK	108	54	23.33	23.46	23.36		
40	QPSK	108	108	22.67	22.73	22.70		
40	QPSK	216	0	22.67	22.71	22.65	23.5	0.5
40	16QAM	1	1	22.79	22.81	22.73		
40	16QAM	1	1	21.35	21.38	21.27		
40	16QAM	1	1	19.34	19.37	19.31	20.0	4.0
Channel				503500	507000	510500		
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	23.40	23.46	23.49	24.0	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2315	2335	2350		
30	QPSK	1	1	23.33	23.40	23.43	24.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2312.5	2335	2357.5		
25	QPSK	1	1	23.23	23.47	23.38	24.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2310	2335	2350		
20	1/2 BPSK	1	1	23.30	23.43	23.40	24.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2297.5	2339	2362.5		
15	QPSK	1	1	23.34	23.41	23.37	24.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2295	2339	2360		
10	QPSK	1	1	23.44	23.49	23.37	24.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2292.5	2339	2362.5		
5	QPSK	1	1	23.31	23.45	23.39	24.0	0.0

n66 Ant0 Other_PA DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	21.7	0.0
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	21.25	21.31	21.26		
40	1/2 BPSK	1	108	21.17	21.25	21.33	21.7	0.0
40	1/2 BPSK	1	214	21.14	21.27	21.29		
40	1/2 BPSK	108	0	21.24	21.21	21.21		
40	1/2 BPSK	108	54	21.27	21.22	21.33	21.7	0.0
40	1/2 BPSK	108	108	21.29	21.23	21.28		
40	1/2 BPSK	216	0	21.22	21.25	21.27		
40	QPSK	1	1	21.17	21.38	21.23	21.7	0.0
40	QPSK	1	108	21.24	21.31	21.19		
40	QPSK	1	214	21.22	21.24	21.29		
40	QPSK	108	0	21.28	21.34	21.23	21.7	0.0
40	QPSK	108	54	21.20	21.37	21.32		
40	QPSK	108	108	21.22	21.28	21.34		
40	QPSK	216	0	21.28	21.35	21.33	21.7	0.0
40	16QAM	1	1	21.26	21.24	21.24		
40	16QAM	1	1	21.14	21.20	21.30		
40	16QAM	1	1	21.01	21.09	20.98	21.2	0.5
Channel				345500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.14	21.27	21.24	21.7	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.20	21.29	21.22	21.7	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.28	21.21	21.19	21.7	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.20	21.22	21.27	21.7	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1744	1772.5		
15	QPSK	1	1	21.21	21.29	21.26	21.7	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1744	1775		
10	QPSK	1	1	21.25	21.25	21.18	21.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1744	1777.5		
5	QPSK	1	1	21.17	21.27	21.22	21.7	0.0

n38 Ant0 Main_PA DSI1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)								
40	1/2 BPSK	1	1	23.74	23.81	23.72		
40	1/2 BPSK	1	53	23.74	23.75	23.66	24.0	0.0
40	1/2 BPSK	1	104	23.62	23.71	23.66		
40	1/2 BPSK	50	0	23.15	23.16	23.10	23.5	0.5
40	1/2 BPSK	50	26	23.66	23.73	23.66	24.0	0.0
40	1/2 BPSK	50	56	22.96	23.01	23.00	23.5	0.5
40	1/2 BPSK	100	0	22.95	23.06	22.97		
40	QPSK	1	1	23.79	23.85	23.78		
40	QPSK	1	53	23.77	23.81	23.76	24.0	0.0
40	QPSK	1	104	23.77	23.83	23.76		
40	QPSK	50	0	22.67	22.68	22.62	23.0	1.0
40	QPSK	50	26	23.74	23.75	23.72	24.0	0.0
40	QPSK	50	56	22.65	22.75	22.65	23.0	1.0
40	QPSK	100	0	22.64	22.71	22.61		
40	16QAM	1	1	22.69	22.75	22.69	23.0	1.0
40	84QAM	1	1	21.21	21.26	21.17	21.5	2.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.01	2595	2604.99		
30	QPSK	1	1	23.62	23.83	23.69	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.52	2595	2607.48		
25	QPSK	1	1	23.74	23.81	23.72	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	23.69	23.82	23.70	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.71	23.77	23.74	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.75	23.79	23.77	24.0	0.0

n41 Ant0 Main_PA DSI1								
BW [MHz]	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	518596	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	23.16	23.21	23.12		
100	1/2 BPSK	1	137	23.15	23.22	23.12	24.0	0.0
100	1/2 BPSK	1	271	23.16	23.21	23.12		
100	1/2 BPSK	135	0	23.16	23.24	23.14	24.0	0.0
100	1/2 BPSK	135	69	23.09	23.16	23.10	24.0	0.0
100	1/2 BPSK	135	138	23.12	23.19	23.10	24.0	0.0
100	1/2 BPSK	270	0	23.13	23.16	23.07		
100	QPSK	1	1	23.32	23.35	23.36		
100	QPSK	1	137	23.48	23.55	23.47	25.4	0.0
100	QPSK	1	271	23.47	23.50	23.47		
100	QPSK	135	0	22.46	22.59	22.46	23.0	1.0
100	QPSK	135	69	23.12	23.21	23.11	24.0	0.0
100	QPSK	135	138	22.33	22.41	22.36	23.0	1.0
100	QPSK	270	0	22.38	22.45	22.41		
100	16QAM	1	1	23.37	23.45	23.42	24.0	0.0
100	84QAM	1	1	23.34	23.39	23.34	24.0	0.0
100	256QAM	1	1	21.07	21.11	21.06	22.0	2.0
Channel				508200	518596	526996	Tune-up MPR	
Frequency (MHz)				2541	2592.99	2644.99	limit (dB)	
90	QPSK	1	1	23.46	23.49	23.46	24.0	0.0
Channel				507204	518596	526996	Tune-up MPR	
Frequency (MHz)				2538.02	2592.99	2648.99	limit (dB)	
80	QPSK	1	1	23.45	23.54	23.47	24.0	0.0
Channel				506202	518596	531000	Tune-up MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)	
70	QPSK	1	1	23.47	23.49	23.47	24.0	0.0
Channel				505200	518596	531696	Tune-up MPR	
Frequency (MHz)				2526	2594.98	2659.98	limit (dB)	
60	QPSK	1	1	23.49	23.51	23.53	24.0	0.0
Channel				504204	518596	532998	Tune-up MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (dB)	
50	QPSK	1	1	23.51	23.48	23.52	24.0	0.0
Channel				503202	518596	534000	Tune-up MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)	
40	QPSK	1	1	23.42	23.56	23.50	24.0	0.0
Channel				502200	518596	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
30	QPSK	1	1	23.46	23.56	23.52	24.0	0.0
Channel				502200	518596	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
25	QPSK	1	1	23.48	23.51	23.52	24.0	0.0
Channel				501204	518596	535998	Tune-up MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)	
20	QPSK	1	1	23.45	23.57	23.50	24.0	0.0
Channel				500700	518596	536496	Tune-up MPR	
Frequency (MHz)				2500.5	2592.99	2683.48	limit (dB)	
15	QPSK	1	1	23.42	23.52	23.52	24.0	0.0
Channel				500202	518596	537000	Tune-up MPR	
Frequency (MHz)				2491.01	2592.99	2686	limit (dB)	
10	QPSK	1	1	23.43	23.51	23.51	24.0	0.0

n7 Ant1 Main_PA DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	19.55	19.63	19.68	20.5	0.0
40	1/2 BPSK	1	108	19.64	19.80	19.80		
40	1/2 BPSK	1	214	19.61	19.64	19.63		
40	1/2 BPSK	108	0	19.57	19.77	19.54		
40	1/2 BPSK	108	54	19.66	19.72	19.70	20.5	0.0
40	1/2 BPSK	108	108	19.63	19.64	19.57	20.5	0.0
40	1/2 BPSK	216	0	19.66	19.74	19.53	20.5	0.0
40	QPSK	1	1	19.71	19.81	19.82	20.5	0.0
40	QPSK	1	108	19.64	19.70	19.56		
40	QPSK	1	214	19.69	19.75	19.64		
40	QPSK	108	0	19.57	19.68	19.69		
40	QPSK	108	54	19.55	19.78	19.57	20.5	0.0
40	QPSK	108	108	19.63	19.76	19.64	20.5	0.0
40	QPSK	216	0	19.63	19.77	19.69	20.5	0.0
40	16QAM	1	1	19.69	19.78	19.70	20.5	0.0
40	16QAM	1	1	19.55	19.74	19.59	20.5	0.0
40	256QAM	1	1	19.12	19.22	19.12	20.0	0.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)	
35	QPSK	1	1	19.57	19.70	19.60	20.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit (dB)	
30	QPSK	1	1	19.62	19.76	19.55	20.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	
25	QPSK	1	1	19.65	19.79	19.53	20.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit (dB)	
20	1/2 BPSK	1	1	19.50	19.64	19.68	20.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	
15	QPSK	1	1	19.61	19.67	19.57	20.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit (dB)	
10	QPSK	1	1	19.55	19.72	19.59	20.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)	
5	QPSK	1	1	19.65	19.74	19.66	20.5	0.0

n66 Ant1 Other PA DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	20.60	20.74	20.64	21.2	0.0
40	1/2 BPSK	1	108	20.73	20.68	20.70		
40	1/2 BPSK	1	214	20.63	20.85	20.75		
40	1/2 BPSK	108	0	20.69	20.68	20.63		
40	1/2 BPSK	108	54	20.77	20.71	20.68	21.2	0.0
40	1/2 BPSK	108	108	20.70	20.70	20.76	21.2	0.0
40	1/2 BPSK	216	0	20.64	20.67	20.68	21.2	0.0
40	QPSK	1	1	20.61	20.85	20.71	21.2	0.0
40	QPSK	1	108	20.77	20.73	20.76		
40	QPSK	1	214	20.65	20.75	20.67		
40	QPSK	108	0	20.72	20.75	20.61		
40	QPSK	108	54	20.68	20.81	20.63	21.2	0.0
40	QPSK	108	108	20.60	20.64	20.61	21.2	0.0
40	QPSK	216	0	20.64	20.75	20.77	21.2	0.0
40	16QAM	1	1	20.61	20.66	20.78	21.2	0.0
40	16QAM	1	1	20.60	20.78	20.62	21.2	0.0
40	256QAM	1	1	20.77	20.88	20.82	21.2	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	
35	QPSK	1	1	20.58	20.81	20.65	21.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	
30	QPSK	1	1	20.64	20.64	20.77	21.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	
25	QPSK	1	1	20.69	20.82	20.77	21.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	
20	QPSK	1	1	20.65	20.72	20.64	21.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	
15	QPSK	1	1	20.63	20.69	20.58	21.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	
10	QPSK	1	1	20.71	20.66	20.69	21.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	
5	QPSK	1	1	20.64	20.67	20.74	21.2	0.0



n38 Ant1 Main_PA DSI1									
BW [MHz]	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)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	18.97	19.03	19.02			
40	1/2 BPSK	1	53	19.02	19.00	18.90	19.5	0.0	
40	1/2 BPSK	1	104	18.95	19.06	18.93			
40	1/2 BPSK	50	0	18.97	19.08	18.97	19.5	0.0	
40	1/2 BPSK	50	26	19.02	19.11	18.99	19.5	0.0	
40	1/2 BPSK	50	56	19.05	19.11	19.01	19.5	0.0	
40	1/2 BPSK	100	0	19.09	19.13	18.99			
40	QPSK	1	1	19.09	19.15	19.02			
40	QPSK	1	53	19.09	19.10	18.92	19.5	0.0	
40	QPSK	1	104	19.05	19.13	19.00			
40	QPSK	50	0	18.94	19.10	18.96	19.5	0.0	
40	QPSK	50	26	19.06	19.13	18.99	19.5	0.0	
40	QPSK	50	56	19.07	19.03	18.92	19.5	0.0	
40	QPSK	100	0	19.03	19.09	19.04			
40	16QAM	1	1	18.06	19.05	18.92	18.6	0.0	
40	16QAM	1	1	19.00	19.11	19.01	19.5	0.0	
40	256QAM	1	1	18.96	18.99	18.98	19.5	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up	MPR	
30	QPSK	1	1	19.06	18.99	19.03	19.5	0.0	
Channel									
Frequency (MHz)				516604	519000	521496	Tune-up	MPR	
25	QPSK	1	1	18.99	19.02	19.04	19.5	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up	MPR	
20	QPSK	1	1	19.05	18.99	19.03	19.5	0.0	
Channel									
Frequency (MHz)				515602	519000	522498	Tune-up	MPR	
15	QPSK	1	1	18.95	19.00	19.03	19.5	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up	MPR	
10	QPSK	1	1	19.03	19.11	19.06	19.5	0.0	

n41 Ant1 Main_PA DSI1									
BW [MHz]	Module ion	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)				2546.01	2592.99	2640			
100	1/2 BPSK	1	1	18.55	18.61	18.55			
100	1/2 BPSK	1	137	18.65	18.62	18.57	19.5		
100	1/2 BPSK	1	271	18.55	18.67	18.66			
100	1/2 BPSK	135	0	18.56	18.77	18.55			
100	1/2 BPSK	135	69	18.63	18.60	18.67	19.5		
100	1/2 BPSK	135	138	18.55	18.62	18.59	19.5	0.0	
100	1/2 BPSK	270	0	18.56	18.62	18.62			
100	QPSK	1	1	18.63	18.70	18.54			
100	QPSK	1	137	18.54	18.76	18.66	19.5	0.0	
100	QPSK	1	271	18.59	18.65	18.70			
100	QPSK	135	0	18.53	18.77	18.67	19.5	0.0	
100	QPSK	135	69	18.69	18.78	18.65	19.5	0.0	
100	QPSK	135	138	18.63	18.70	18.64	19.5	0.0	
100	QPSK	270	0	18.60	18.74	18.60			
100	16QAM	1	1	18.65	18.69	18.70	19.5	0.0	
100	16QAM	1	1	18.67	18.77	18.68	19.5	0.0	
100	256QAM	1	1	18.58	18.62	18.60	19.5	0.0	
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up	MPR	
90	QPSK	1	1	18.67	18.73	18.63	19.5	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up	MPR	
80	QPSK	1	1	18.69	18.76	18.63	19.5	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up	MPR	
70	QPSK	1	1	18.71	18.72	18.65	19.5	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up	MPR	
60	QPSK	1	1	18.65	18.74	18.67	19.5	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up	MPR	
50	QPSK	1	1	18.66	18.75	18.70	19.5	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up	MPR	
40	QPSK	1	1	18.71	18.78	18.56	19.5	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
30	QPSK	1	1	18.70	18.73	18.69	19.5	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up	MPR	
25	QPSK	1	1	18.56	18.78	18.62	19.5	0.0	
Channel									
Frequency (MHz)				501204	518598	535996	Tune-up	MPR	
20	QPSK	1	1	18.61	18.78	18.67	19.5	0.0	
Channel									
Frequency (MHz)				500700	518598	536496	Tune-up	MPR	
15	QPSK	1	1	18.54	18.63	18.57	19.5	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up	MPR	
10	QPSK	1	1	18.67	18.66	18.56	19.5	0.0	

Part270 n77 Ant1 Main_PA DSI1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	16.88	17.07	16.92		17.5	0.0
100	1/2 BPSK	1	137	16.89	17.00	16.94			
100	1/2 BPSK	1	271	17.01	16.93	16.88			
100	1/2 BPSK	135	0	16.90	16.98	16.91	17.5	0.0	
100	1/2 BPSK	138	69	16.89	16.95	16.89	17.5	0.0	
100	1/2 BPSK	138	138	16.96	17.03	16.98	17.5	0.0	
100	1/2 BPSK	270	0	16.87	16.97	16.88			
100	QPSK	1	1	16.92	17.06	17.01			
100	QPSK	1	137	17.01	17.05	16.91	17.5	0.0	
100	QPSK	1	271	17.00	17.06	16.94			
100	QPSK	138	0	16.97	17.05	16.92	17.5	0.0	
100	QPSK	135	69	16.94	17.07	16.97	17.5	0.0	
100	QPSK	138	138	16.93	16.94	16.97	17.5	0.0	
100	QPSK	270	0	17.01	17.05	16.91			
100	16QAM	1	1	16.90	16.94	16.95	17.5	0.0	
100	16QAM	1	1	17.04	16.90	16.94	17.5	0.0	
100	256QAM	1	1	16.87	17.04	16.89	17.5	0.0	
Channel									
Frequency (MHz)				648668	656000	662334	Tune-up	MPR	
90	QPSK	1	1	18.91	17.04	16.90	17.5	0.0	
Channel									
Frequency (MHz)				649334	656000	662668	Tune-up	MPR	
80	QPSK	1	1	18.92	16.90	16.89	17.5	0.0	
Channel									
Frequency (MHz)				649000	656000	663000	Tune-up	MPR	
70	QPSK	1	1	17.04	17.04	16.93	17.5	0.0	
Channel									
Frequency (MHz)				648668	656000	663334	Tune-up	MPR	
60	QPSK	1	1	17.03	17.03	16.94	17.5	0.0	
Channel									
Frequency (MHz)				648334	656000	663668	Tune-up	MPR	
50	QPSK	1	1	17.02	17.02	16.95	17.5	0.0	
Channel									
Frequency (MHz)				648000	656000	664000	Tune-up	MPR	
40	QPSK	1	1	16.97	16.97	16.90	17.5	0.0	
Channel									
Frequency (MHz)				647668	656000	664334	Tune-up	MPR	
30	QPSK	1	1	17.00	17.00	16.93	17.5	0.0	
Channel									
Frequency (MHz)				647334	656000	664668	Tune-up	MPR	
25	QPSK	1	1	17.01	17.01	16.94	17.5	0.0	
Channel									
Frequency (MHz)				647000	656000	665000	Tune-up	MPR	
20	QPSK	1	1	16.95	16.95	16.88	17.5	0.0	
Channel									
Frequency (MHz)				646668	656000	665334	Tune-up	MPR	
15	QPSK	1	1	17.07	17.07	17.01	17.5	0.0	
Channel									
Frequency (MHz)				646334	656000	665668	Tune-up	MPR	
10	QPSK	1	1	16.88	17.03	16.95	17.5	0.0	



Part27Q n77 Ant1 Main_PA DSI1													
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	15.54			17.5	0.0					
100	1/2 BPSK	1	137	15.51									
100	1/2 BPSK	1	271	15.54									
100	1/2 BPSK	135	0	15.59			17.5 0.0						
100	1/2 BPSK	135	69	15.53			17.5 0.0						
100	1/2 BPSK	135	138	15.58			17.5	0.0					
100	1/2 BPSK	270	0	15.54									
100	QPSK	1	137	15.53			17.5	0.0					
100	QPSK	1	271	15.55									
100	QPSK	135	0	15.51							17.5 0.0		
100	QPSK	135	69	15.52			17.5 0.0						
100	QPSK	135	138	15.52			17.5 0.0						
100	QPSK	270	0	15.51			17.5 0.0						
100	16QAM	1	1	15.51			17.5 0.0						
100	16QAM	1	1	15.51			17.5 0.0						
100	256QAM	1	1	15.54			17.5 0.0						
Channel				633000	633334	633668	Tune-up MPR						
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)						
90	QPSK	1	1	15.55	15.52	15.53	17.5 0.0						
Channel				632688	633334	634000	Tune-up MPR						
Frequency (MHz)				3460.02	3500.01	3510	limit (dB)						
80	QPSK	1	1	15.55	15.51	15.51	17.5 0.0						
Channel				632334	633334	634334	Tune-up MPR						
Frequency (MHz)				3465.01	3500.01	3515.01	limit (dB)						
70	QPSK	1	1	15.59	15.50	15.55	17.5 0.0						
Channel				632000	633334	634668	Tune-up MPR						
Frequency (MHz)				3460	3500.01	3520.02	limit (dB)						
60	QPSK	1	1	15.51	15.53	15.55	17.5 0.0						
Channel				631668	633334	635000	Tune-up MPR						
Frequency (MHz)				3462.02	3500.01	3505	limit (dB)						
50	QPSK	1	1	15.59	15.52	15.54	17.5 0.0						
Channel				631334	633334	635334	Tune-up MPR						
Frequency (MHz)				3460.01	3500.01	3520.01	limit (dB)						
40	QPSK	1	1	15.51	15.59	15.51	17.5 0.0						
Channel				631000	633334	635668	Tune-up MPR						
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)						
30	QPSK	1	1	15.60	15.52	15.51	17.5 0.0						
Channel				630834	633334	635834	Tune-up MPR						
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)						
25	QPSK	1	1	15.54	15.52	15.51	17.5 0.0						
Channel				630668	633334	636000	Tune-up MPR						
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)						
20	QPSK	1	1	15.52	15.54	15.53	17.5 0.0						
Channel				630500	633334	636168	Tune-up MPR						
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)						
15	QPSK	1	1	15.53	15.51	15.50	17.5 0.0						
Channel				630334	633334	636334	Tune-up MPR						
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)						
10	QPSK	1	1	15.55	15.56	15.53	17.5 0.0						

Part27Q n77 Ant1 Main_PA DSI1 PC2													
BW [MHz]	Module ion	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	1/2 BPSK	1	1	15.54			20.5	0.0					
100	1/2 BPSK	1	137	15.54									
100	1/2 BPSK	1	271	15.55									
100	1/2 BPSK	135	0	15.54			20.5 0.0						
100	1/2 BPSK	135	69	15.53			20.5 0.0						
100	1/2 BPSK	135	138	15.58			20.5	0.0					
100	1/2 BPSK	270	0	15.51									
100	QPSK	1	137	15.51			20.5	0.0					
100	QPSK	1	271	15.54									
100	QPSK	135	0	15.55							20.5 0.0		
100	QPSK	135	69	15.59			20.5 0.0						
100	QPSK	135	138	15.55			20.5 0.0						
100	QPSK	270	0	15.53			20.5 0.0						
100	16QAM	1	1	15.51			20.5 0.0						
100	16QAM	1	1	15.51			20.5 0.0						
100	256QAM	1	1	15.57			20.5 0.0						
Channel				633000	633334	633668	Tune-up MPR						
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)						
90	QPSK	1	1	15.51	15.60	15.64	20.5 0.0						
Channel				632688	633334	634000	Tune-up MPR						
Frequency (MHz)				3462.02	3500.01	3510	limit (dB)						
80	QPSK	1	1	15.51	15.51	15.65	20.5 0.0						
Channel				632334	633334	634334	Tune-up MPR						
Frequency (MHz)				3465.01	3500.01	3515.01	limit (dB)						
70	QPSK	1	1	15.54	15.53	15.70	20.5 0.0						
Channel				632000	633334	634668	Tune-up MPR						
Frequency (MHz)				3460	3500.01	3520.02	limit (dB)						
60	QPSK	1	1	15.63	15.54	15.64	20.5 0.0						
Channel				631668	633334	635000	Tune-up MPR						
Frequency (MHz)				3462.02	3500.01	3525	limit (dB)						
50	QPSK	1	1	15.59	15.56	15.71	20.5 0.0						
Channel				631334	633334	635334	Tune-up MPR						
Frequency (MHz)				3460.01	3500.01	3520.01	limit (dB)						
40	QPSK	1	1	15.51	15.56	15.55	20.5 0.0						
Channel				631000	633334	635668	Tune-up MPR						
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)						
30	QPSK	1	1	15.57	15.58	15.61	20.5 0.0						
Channel				630834	633334	635834	Tune-up MPR						
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)						
25	QPSK	1	1	15.52	15.57	15.71	20.5 0.0						
Channel				630668	633334	636000	Tune-up MPR						
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)						
20	QPSK	1	1	15.57	15.54	15.85	20.5 0.0						
Channel				630500	633334	636168	Tune-up MPR						
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)						
15	QPSK	1	1	15.56	15.58	15.63	20.5 0.0						
Channel				630334	633334	636334	Tune-up MPR						
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)						
10	QPSK	1	1	15.59	15.59	15.64	20.5 0.0						

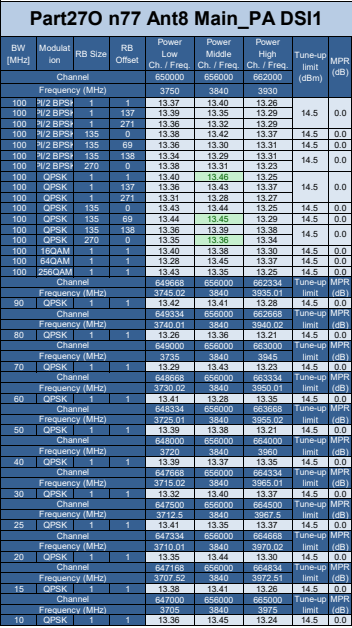
Part27O n78 Ant1 Main_PA DSI1										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
	Channel				650000					
	Frequency (MHz)				3750					
100	1/2 BPSK	1	1		15.99					
100	1/2 BPSK	137	137		16.01		17.5	0.0		
100	1/2 BPSK	1	221		16.11					
100	1/2 BPSK	135	0		16.12		17.5	0.0		
100	1/2 BPSK	135	135		16.14		17.5	0.0		
100	1/2 BPSK	135	135		16.09					
100	1/2 BPSK	270	0		16.10					
100	1/2 BPSK	270	0		16.15					
100	QPSK	1	127		16.10		17.5	0.0		
100	QPSK	135	135		16.05					
100	QPSK	135	0		16.05		17.5	0.0		
100	QPSK	135	68		16.11					
100	QPSK	135	135		16.10		17.5	0.0		
100	QPSK	270	0		15.98					
100	16QAM	1	1		16.09		17.5	0.0		
100	16QAM	1	1		16.05		17.5	0.0		
100	256QAM	1	1		16.00					
	Channel			649860	650000	650334	Tune-up	MPR		
	Frequency (MHz)			3750	3750	3750				
90	QPSK	1	1	15.97	16.13	16.02	17.5	0.0		
	Channel									
	Frequency (MHz)			3740.01	3750	3760.02	limit (dBm)			
80	QPSK	1	1	16.01	16.07	16.05	17.5	0.0		
	Channel									
	Frequency (MHz)			3735	3750	3765	limit (dBm)			
70	QPSK	1	1	15.95	16.03	16.05	17.5	0.0		
	Channel									
	Frequency (MHz)			3730.02	3750	3770.01	limit (dBm)			
60	QPSK	1	1	15.97	16.05	15.95	17.5	0.0		
	Channel									
	Frequency (MHz)			3725.01	3750	3775.02	limit (dBm)			
50	QPSK	1	1	16.10	16.04	16.00	17.5	0.0		
	Channel			649900	650000	15.95	Tune-up	MPR		
	Frequency (MHz)			3720	3750	3780				
40	QPSK	1	1	15.98	16.04	15.90	17.5	0.0		
	Channel									
	Frequency (MHz)			3716.05	650000	652334	Tune-up	MPR		
	Channel			649850	3750	3765.01				
30	QPSK	1	1	15.95	15.97	15.91	17.5	0.0		
	Channel			649760	650000	652500	Tune-up	MPR		
	Frequency (MHz)			3712.5	3750	3775.01				
25	QPSK	1	1	16.07	16.02	15.98	17.5	0.0		
	Channel									
	Frequency (MHz)			648300	650000	652698	Tune-up	MPR		
	Channel			7170.01	3750	3760.02				
20	QPSK	1	1	16.02	16.00	15.92	17.5	0.0		
	Channel			647485	650000	652834	Tune-up	MPR		
	Frequency (MHz)			3709.52	3750	3765.01				
15	QPSK	1	1	15.98	15.99	16.05	17.5	0.0		
	Channel			647000	650000	653000	Tune-up	MPR		
	Frequency (MHz)			3705	3750	3765				
10	QPSK	1	1	16.01	15.98	15.92	17.5	0.0		

Part27Q n78 Ant1 Main_PA DSI1

BW [MHz]	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	1/2 BPSK	1	1		15.80				
100	1/2 BPSK	1	137		15.87		17.5	0.0	
100	1/2 BPSK	1	271		15.79				
100	1/2 BPSK	135	0		15.76		17.5	0.0	
100	1/2 BPSK	135	69		15.79		17.5	0.0	
100	1/2 BPSK	135	138		15.76		17.5	0.0	
100	1/2 BPSK	270	0		15.77		17.5	0.0	
100	QPSK	1	1		15.80				
100	QPSK	1	137		15.73		17.5	0.0	
100	QPSK	1	271		15.74				
100	QPSK	135	0		15.70		17.5	0.0	
100	QPSK	135	69		15.85		17.5	0.0	
100	QPSK	135	138		15.83				
100	QPSK	270	0		15.75		17.5	0.0	
100	16QAM	1	1		15.83		17.5	0.0	
100	64QAM	1	1		15.83		17.5	0.0	
100	256QAM	1	1		15.75		17.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		15.72	15.85	15.80	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		15.71	15.86	15.83	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		15.69	15.71	15.73	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		15.73	15.80	15.71	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		15.73	15.83	15.76	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		15.76	15.76	15.84	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3500.01	3535.03			
30	QPSK	1	1		15.74	15.74	15.77	17.5	0.0
Channel				630834	633334	635834	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.21	3500.01	3537.21			
25	QPSK	1	1		15.74	15.85	15.71	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		15.69	15.84	15.83	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.6	3500.01	3542.83			
15	QPSK	1	1		15.74	15.76	15.81	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		15.76	15.72	15.76	17.5	0.0

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BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		18.92			
100	1/2 BPSK	1	137		18.88		20.5	0.0
100	1/2 BPSK	1	271		18.81			
100	1/2 BPSK	135	0		18.80		20.5	0.0
100	1/2 BPSK	135	69		18.89		20.5	0.0
100	1/2 BPSK	135	138		18.91		20.5	0.0
100	1/2 BPSK	270	0		18.91			
100	QPSK	1	1		18.85			
100	QPSK	1	137		18.81		20.5	0.0
100	QPSK	1	271		18.91			
100	QPSK	135	0		18.83		20.5	0.0
100	QPSK	135	69		18.94		20.5	0.0
100	QPSK	135	138		18.78		20.5	0.0
100	QPSK	270	0		18.81			
100	16QAM	1	1		18.89		20.5	0.0
100	64QAM	1	1		18.78		20.5	0.0
100	256QAM	1	1		18.83		20.5	0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		18.81	18.87	18.79	20.5 0.0
Channel				632668	633334	634000	Tune-up limit (dB)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		18.67	18.91	18.88	20.5 0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		18.79	18.69	18.91	20.5 0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		18.67	18.84	18.93	20.5 0.0
Channel				631668	633334	635000	Tune-up limit (dB)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		18.64	18.89	18.90	20.5 0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		18.65	18.80	18.83	20.5 0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR
Frequency (MHz)				3465	3500.01	3535.03		
30	QPSK	1	1		18.69	18.80	18.78	20.5 0.0
Channel				630834	633334	635834	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.21	3500.01	3537.21		
25	QPSK	1	1		18.80	18.78	18.80	20.5 0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		18.70	18.84	18.80	20.5 0.0
Channel				630500	633334	636168	Tune-up limit (dB)	MPR
Frequency (MHz)				3457.6	3500.01	3542.83		
15	QPSK	1	1		18.71	18.86	18.93	20.5 0.0
Channel				630334	633334	636334	Tune-up limit (dB)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1		18.67	18.81	18.76	20.5 0.0



Part270 n77 Ant8 Main_PA DSI1 PC2									
[BW MHz]	Module ID	RB Size MHz	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up Time (s/min)	MPR (dB)	
Channel									
				650000	656000	663000			
				3750	3840	3930			
100	1/2 QPSK	1	1	16.58	16.61	16.63			
100	QPSK	1	137	16.58	16.61	16.63	17.5	0.0	
100	1/2 QPSK	1	271	16.57	16.59	16.61			
100	QPSK	135	0	16.53	16.65	16.54			
100	1/2 QPSK	135	68	16.55	16.64	16.61	17.5	0.0	
100	QPSK	135	138	16.54	16.67	16.55	17.5	0.0	
100	1/2 QPSK	270	0	16.62	16.62	16.62			
100	QPSK	1	271	16.58	16.61	16.63	17.5	0.0	
100	QPSK	1	137	16.54	16.63	16.57			
100	1/2 QPSK	135	138	16.55	16.64	16.61	17.5	0.0	
100	QPSK	135	0	16.65	16.66	16.61	17.5	0.0	
100	QPSK	135	68	16.61	16.71	16.65	17.5	0.0	
100	1/2 QPSK	135	138	16.63	16.71	16.65	17.5	0.0	
100	QPSK	270	0	16.53	16.68	16.58			
100	1/2 QPSK	270	0	16.62	16.67	16.66			
100	QPSK	1	137	16.57	16.73	16.73	17.5	0.0	
100	1/2 QPSK	270	0	16.66	16.68	16.65	17.5	0.0	
Channel									
				650000	656000	662334			
				3750	3840	3945			
90	QPSK	1	1	16.58	16.58	16.55	17.5	0.0	
Channel									
				3740.01	3840	3940.02			
90	QPSK	1	1	16.66	16.67	16.66	17.5	0.0	
Channel									
				3738	3840	3945			
80	QPSK	1	1	16.66	16.67	16.66	17.5	0.0	
Channel									
				3735	3840	3945			
70	QPSK	1	1	16.50	16.60	16.50	17.5	0.0	
Channel									
				3730.02	3840	3950.01			
60	QPSK	1	1	16.62	16.65	16.52	17.5	0.0	
50	QPSK	1	1	17.01	17.01	16.92	17.5	0.0	
50	QPSK	1	1	18.20	18.20	18.20	17.5	0.0	
Channel									
				650000	656000	663000			
40	QPSK	1	1	16.65	16.69	16.61	17.5	0.0	
Channel									
				3735	3840	3950			
30	QPSK	1	1	16.68	16.68	16.68	17.5	0.0	
Channel									
				647808	650000	649334			
25	QPSK	1	1	17.03	17.03	16.93	17.5	0.0	
Channel									
				647825	650000	648668			
20	QPSK	1	1	16.92	16.92	16.87	17.5	0.0	
Channel									
				647830	650000	648668			
20	QPSK	1	1	17.01	17.01	16.92	17.5	0.0	
Channel									
				647166	650000	646834			
15	QPSK	1	1	16.92	16.92	16.87	17.5	0.0	
Channel									
				647000	656000	663000			
10	QPSK	1	1	16.80	16.80	16.80	17.5	0.0	
10	QPSK	1	1	16.57	16.71	16.54	17.5	0.0	

Part27Q n77 Ant8 Main_PA DSI1									
BW (MHz)	Module ID	RB Size	RB Offset	Power Low (dBm)	Power Middle (dBm)	Power High (dBm)	Tune-up Limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	13.01					
100	1/2 BPSK	1	137	12.99			14.5	0.0	
100	1/2 BPSK	1	271	12.99			14.5	0.0	
100	1/2 BPSK	135	0	12.99			14.5	0.0	
100	1/2 BPSK	62	138	12.99			14.5	0.0	
100	1/2 BPSK	135	138	12.91			14.5	0.0	
100	1/2 BPSK	270	0	12.99			14.5	0.0	
100	QPSK	1	1	12.96					
100	QPSK	1	137	12.96			14.5	0.0	
100	QPSK	1	271	12.96			14.5	0.0	
100	QPSK	135	0	13.01			14.5	0.0	
100	QPSK	135	68	13.05			14.5	0.0	
100	QPSK	135	138	12.99			14.5	0.0	
100	QPSK	270	0	12.96			14.5	0.0	
100	15QAM	1	1	12.91			14.5	0.0	
100	64QAM	1	1	12.99			14.5	0.0	
100	256QAM	1	1	12.94			14.5	0.0	
Channel				63300	63334	63368	Tune-up Limit (dBm)		
90	QPSK	1	1	12.97	12.94	12.94	14.5	0.0	
90	QPSK	1	137	12.97	12.94	12.94	14.5	0.0	
90	QPSK	1	271	12.97	12.94	12.94	14.5	0.0	
90	QPSK	1	3490	12.97	12.94	12.94	14.5	0.0	
80	QPSK	1	1	12.67	12.85	12.99	14.5	0.0	
80	QPSK	1	137	12.67	12.85	12.99	14.5	0.0	
80	QPSK	1	271	12.67	12.85	12.99	14.5	0.0	
80	QPSK	1	3490	12.67	12.85	12.99	14.5	0.0	
70	QPSK	1	1	12.29	13.02	12.99	14.5	0.0	
70	QPSK	1	137	12.29	13.02	12.99	14.5	0.0	
70	QPSK	1	271	12.29	13.02	12.99	14.5	0.0	
70	QPSK	1	3490	12.29	13.02	12.99	14.5	0.0	
60	QPSK	1	1	12.73	12.18	13.00	14.5	0.0	
60	QPSK	1	137	12.73	12.18	13.00	14.5	0.0	
60	QPSK	1	271	12.73	12.18	13.00	14.5	0.0	
60	QPSK	1	3490	12.73	12.18	13.00	14.5	0.0	
50	QPSK	1	1	12.49	12.25	12.99	14.5	0.0	
50	QPSK	1	137	12.49	12.25	12.99	14.5	0.0	
50	QPSK	1	271	12.49	12.25	12.99	14.5	0.0	
50	QPSK	1	3490	12.49	12.25	12.99	14.5	0.0	
40	QPSK	1	1	12.03	12.93	13.03	14.5	0.0	
40	QPSK	1	137	12.03	12.93	13.03	14.5	0.0	
40	QPSK	1	271	12.03	12.93	13.03	14.5	0.0	
40	QPSK	1	3490	12.03	12.93	13.03	14.5	0.0	
Channel				63100	63334	63668	Tune-up MPR (dB)		
30	QPSK	1	1	12.45	12.25	12.97	14.5	0.0	
30	QPSK	1	137	12.45	12.25	12.97	14.5	0.0	
30	QPSK	1	271	12.45	12.25	12.97	14.5	0.0	
30	QPSK	1	3490	12.45	12.25	12.97	14.5	0.0	
25	QPSK	1	1	12.35	12.69	12.99	14.5	0.0	
25	QPSK	1	137	12.35	12.69	12.99	14.5	0.0	
25	QPSK	1	271	12.35	12.69	12.99	14.5	0.0	
25	QPSK	1	3490	12.35	12.69	12.99	14.5	0.0	
Channel				63068	63334	63600	Tune-up MPR (dB)		
20	QPSK	1	1	12.25	12.50	12.99	14.5	0.0	
20	QPSK	1	137	12.25	12.50	12.99	14.5	0.0	
20	QPSK	1	271	12.25	12.50	12.99	14.5	0.0	
20	QPSK	1	3490	12.25	12.50	12.99	14.5	0.0	
Channel				63060	63334	63616	Tune-up MPR (dB)		
15	QPSK	1	1	12.15	12.30	12.99	14.5	0.0	
15	QPSK	1	137	12.15	12.30	12.99	14.5	0.0	
15	QPSK	1	271	12.15	12.30	12.99	14.5	0.0	
15	QPSK	1	3490	12.15	12.30	12.99	14.5	0.0	
Channel				63034	63334	63634	Tune-up MPR (dB)		
10	QPSK	1	1	12.05	12.20	12.99	14.5	0.0	
10	QPSK	1	137	12.05	12.20	12.99	14.5	0.0	
10	QPSK	1	271	12.05	12.20	12.99	14.5	0.0	
10	QPSK	1	3490	12.05	12.20	12.99	14.5	0.0	
Channel				62994	63334	63594	Tune-up MPR (dB)		
10	QPSK	1	1	12.94	12.94	12.90	14.5	0.0	

Part270 n77 Ant8 Main PA DSI1 PC2									
RW	Module	RB	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up	MPR
(MHz)	(int)	(int)	(int)	(int)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Channel									
					633334	350001			
100	1/2 BPS	1	1		16.10				
100	1/2 BPS	1	137		16.17		17.5	0.0	
100	1/2 BPS	1	271		16.06				
100	1/2 BPS	135	0		16.07		17.5	0.0	
100	1/2 BPS	135	136		16.15		17.5	0.0	
100	1/2 BPS	270	0		16.14				
100	QPSK	1	137		16.12		17.5	0.0	
100	QPSK	1	271		16.14				
100	QPSK	135	0		16.02		17.5	0.0	
100	QPSK	135	69		16.04		17.5	0.0	
100	QPSK	135	136		16.08		17.5	0.0	
100	QPSK	270	0		16.11		17.5	0.0	
100	12QAM	1	1		16.13		17.5	0.0	
100	12QAM	1	1		16.08		17.5	0.0	
100	256QAM	1	1		16.12		17.5	0.0	
Channel									
					633500	633334	633666	Tune-up	MPR
90	QPSK	1	1		16.05	16.05	16.13	17.5	0.0
Channel									
					633334	350001	3510		
80	QPSK	1	1		16.09	16.15	16.08	17.5	0.0
Channel									
					350001	3510	3515.01		
70	QPSK	1	1		16.07	16.10	16.01	17.5	0.0
Channel									
					633334	350001	3520.02		
60	QPSK	1	1		16.03	16.05	16.14	17.5	0.0
Channel									
					3520.02	3521	3522		
50	QPSK	1	1		16.02	16.09	16.06	17.5	0.0
Channel									
					633334	633333	633666	Tune-up	MPR
40	QPSK	1	1		16.03	16.05	16.11	17.5	0.0
Channel									
					633000	633334	633666	Tune-up	MPR
30	QPSK	1	1		16.01	16.03	16.08	17.5	0.0
Channel									
					633084	633334	633666	Tune-up	MPR
25	QPSK	1	1		16.07	16.03	15.97	17.5	0.0
Channel									
					633668	633334	633600	Tune-up	MPR
20	QPSK	1	1		16.03	16.01	16.04	17.5	0.0
Channel									
					633619	633600	633622	Tune-up	MPR
15	QPSK	1	1		16.04	16.00	15.99	17.5	0.0
Channel									
					633034	633334	633634	Tune-up	MPR
10	QPSK	1	1		16.01	16.00	16.01	17.5	0.0
Channel									
					633001	633001	633001	Tune-up	MPR
10	QPSK	1	1		16.08	16.13	16.13	17.5	0.0



Part270 n78 Ant8 Main_PA DSI1												
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	13.24				14.5	0.0			
100	1/2 BPSK	1	137	13.35								
100	1/2 BPSK	1	271	13.39								
100	1/2 BPSK	135	0	13.25								
100	1/2 BPSK	135	69	13.26								
100	1/2 BPSK	135	138	13.30								
100	1/2 BPSK	270	0	13.23								
100	QPSK	1	1	13.47								
100	QPSK	1	137	13.27				14.5	0.0			
100	QPSK	1	271	13.36								
100	QPSK	135	0	13.35				14.5	0.0			
100	QPSK	135	69	13.42								
100	QPSK	135	138	13.29				14.5	0.0			
100	QPSK	270	0	13.37								
100	16QAM	1	1	13.39				14.5	0.0			
100	16QAM	1	1	13.27								
100	256QAM	1	1	13.28				14.5	0.0			
100	256QAM	1	1	13.28								
Channel				649668	650000	650334	Tune-up	MPR				
Frequency (MHz)				3743.02	3750	3755.01	limit (dB)	(dB)				
90	QPSK	1	1	13.46	13.30	13.27		14.5	0.0			
90	QPSK	1	1	13.46	13.30	13.27						
Channel				649334	650000	650668	Tune-up	MPR				
Frequency (MHz)				3743.01	3750	3760.02	limit (dB)	(dB)				
80	QPSK	1	1	13.29	13.32	13.41		14.5	0.0			
80	QPSK	1	1	13.29	13.32	13.41						
Channel				649000	650000	651000	Tune-up	MPR				
Frequency (MHz)				3735	3750	3765	limit (dB)	(dB)				
70	QPSK	1	1	13.29	13.40	13.43		14.5	0.0			
70	QPSK	1	1	13.29	13.40	13.43						
Channel				648668	650000	651334	Tune-up	MPR				
Frequency (MHz)				3730.02	3750	3770.01 <td>limit (dB)</td> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
60	QPSK	1	1	13.41	13.38	13.39		14.5	0.0			
60	QPSK	1	1	13.41	13.38	13.39						
Channel				648334	650000	651668	Tune-up	MPR				
Frequency (MHz)				3725.01	3750	3775.02 <td>limit (dB)</td> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
50	QPSK	1	1	13.35	13.25	13.34		14.5	0.0			
50	QPSK	1	1	13.35	13.25	13.34						
Channel				648000	650000	652000	Tune-up	MPR				
Frequency (MHz)				3720	3750	3780 <td>limit (dB)</td> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
40	QPSK	1	1	13.29	13.24	13.35		14.5	0.0			
40	QPSK	1	1	13.29	13.24	13.35						
Channel				647668	650000	652334	Tune-up	MPR				
Frequency (MHz)				3715.02	3750	3785.01 <td>limit (dB)</td> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
30	QPSK	1	1	13.41	13.25	13.39		14.5	0.0			
30	QPSK	1	1	13.41	13.25	13.39						
Channel				647500	650000	652500	Tune-up	MPR				
Frequency (MHz)				3712.5	3750	3787.5 <td>limit (dB)</td> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
25	QPSK	1	1	13.45	13.33	13.26		14.5	0.0			
25	QPSK	1	1	13.45	13.33	13.26						
Channel				647334	650000	652668	Tune-up	MPR				
Frequency (MHz)				3710.01	3750	3790.00 <td>limit (dB)</td> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
20	QPSK	1	1	13.38	13.28	13.31		14.5	0.0			
20	QPSK	1	1	13.38	13.28	13.31						
Channel				647168	650000	652834	Tune-up	MPR				
Frequency (MHz)				3707.52	3750	3792.51 <td>limit (dB)</td> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
15	QPSK	1	1	13.39	13.29	13.31		14.5	0.0			
15	QPSK	1	1	13.39	13.29	13.31						
Channel				647000	650000	653000	Tune-up	MPR				
Frequency (MHz)				3705	3750	3795 <td>limit (dB)</td> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
10	QPSK	1	1	13.30	13.41	13.35		14.5	0.0			
10	QPSK	1	1	13.30	13.41	13.35						

Part270 n78 Ant8 Main_PA DSI1 PC2												
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	16.22				17.5	0.0			
100	1/2 BPSK	1	137	16.41								
100	1/2 BPSK	1	271	16.31								
100	1/2 BPSK	135	0	16.17								
100	1/2 BPSK	135	69	16.34								
100	1/2 BPSK	135	138	16.36								
100	1/2 BPSK	270	0	16.28								
100	1/2 BPSK	270	0	16.28								
100	QPSK	1	137	16.25				17.5	0.0			
100	QPSK	1	271	16.38								
100	QPSK	135	0	16.40				17.5	0.0			
100	QPSK	135	69	16.41								
100	QPSK	135	138	16.22				17.5	0.0			
100	QPSK	270	0	16.34								
100	16QAM	1	1	16.47				17.5	0.0			
100	16QAM	1	1	16.20								
100	256QAM	1	1	16.20				17.5	0.0			
100	256QAM	1	1	16.20								
Channel				649668	650000	650334	Tune-up	MPR				
Frequency (MHz)				3746.02	3750	3755.01	limit (dB)	(dB)				
90	QPSK	1	1	16.53	16.26	16.28		17.5	0.0			
90	QPSK	1	1	16.53	16.26	16.28						
Channel				650000	650000	650000	Tune-up	MPR				
Frequency (MHz)				3740.01 <th>3750</th> <th>3760.02<th>limit (dB)</th><th colspan="3">(dB)</th></th>	3750	3760.02 <th>limit (dB)</th> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
80	QPSK	1	1	16.46	16.34	16.19		17.5	0.0			
80	QPSK	1	1	16.46	16.34	16.19						
Channel				650000	650000	650000	Tune-up	MPR				
Frequency (MHz)				3735 <th>3750</th> <th>3765<th>limit (dB)</th><th colspan="3">(dB)</th></th>	3750	3765 <th>limit (dB)</th> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
70	QPSK	1	1	16.33	16.22	16.10		17.5	0.0			
70	QPSK	1	1	16.33	16.22	16.10						
Channel				650000	650000	650000	Tune-up	MPR				
Frequency (MHz)				3730.02 <th>3750<th>3770.01<th>limit (dB)</th><th colspan="3">(dB)</th></th></th>	3750 <th>3770.01<th>limit (dB)</th><th colspan="3">(dB)</th></th>	3770.01 <th>limit (dB)</th> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
60	QPSK	1	1	16.41	16.29	16.29		17.5	0.0			
60	QPSK	1	1	16.41	16.29	16.29						
Channel				650334	650000	650000	Tune-up	MPR				
Frequency (MHz)				3725.01 <th>3750<th>3775.02<th>limit (dB)</th><th colspan="3">(dB)</th></th></th>	3750 <th>3775.02<th>limit (dB)</th><th colspan="3">(dB)</th></th>	3775.02 <th>limit (dB)</th> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
50	QPSK	1	1	16.40	16.29	16.25		17.5	0.0			
50	QPSK	1	1	16.40	16.29	16.25						
Channel				649600	650000	650000	Tune-up	MPR				
Frequency (MHz)				3720 <th>3750<th>3780<th>limit (dB)</th><th colspan="3">(dB)</th></th></th>	3750 <th>3780<th>limit (dB)</th><th colspan="3">(dB)</th></th>	3780 <th>limit (dB)</th> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
40	QPSK	1	1	16.40	16.25	16.30		17.5	0.0			
40	QPSK	1	1	16.40	16.25	16.30						
Channel				649668	650000	650334	Tune-up	MPR				
Frequency (MHz)				3715.02 <th>3750</th> <th>3785.01<th>limit (dB)</th><th colspan="3">(dB)</th></th>	3750	3785.01 <th>limit (dB)</th> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
30	QPSK	1	1	16.42	16.33	16.23		17.5	0.0			
30	QPSK	1	1	16.42	16.33	16.23						
Channel				649500	650000	650500	Tune-up	MPR				
Frequency (MHz)				3712.5 <th>3750<th>3787.5<th>limit (dB)</th><th colspan="3">(dB)</th></th></th>	3750 <th>3787.5<th>limit (dB)</th><th colspan="3">(dB)</th></th>	3787.5 <th>limit (dB)</th> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
25	QPSK	1	1	16.42	16.26	16.30		17.5	0.0			
25	QPSK	1	1	16.42	16.26	16.30						
Channel				649334	650000	650668	Tune-up	MPR				
Frequency (MHz)				3710.01 <th>3750<th>3790.02<th>limit (dB)</th><th colspan="3">(dB)</th></th></th>	3750 <th>3790.02<th>limit (dB)</th><th colspan="3">(dB)</th></th>	3790.02 <th>limit (dB)</th> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
20	QPSK	1	1	16.41	16.28	16.23		17.5	0.0			
20	QPSK	1	1	16.41	16.28	16.23						
Channel				649168	650000	650834	Tune-up	MPR				
Frequency (MHz)				3707.52 <th>3750<th>3792.51<th>limit (dB)</th><th colspan="3">(dB)</th></th></th>	3750 <th>3792.51<th>limit (dB)</th><th colspan="3">(dB)</th></th>	3792.51 <th>limit (dB)</th> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
15	QPSK	1	1	16.41	16.24	16.25		17.5	0.0			
15	QPSK	1	1	16.41	16.24	16.25						
Channel				649000	650000	650900	Tune-up	MPR				
Frequency (MHz)				3705.01 <th>3750<th>3795.02<th>limit (dB)</th><th colspan="3">(dB)</th></th></th>	3750 <th>3795.02<th>limit (dB)</th><th colspan="3">(dB)</th></th>	3795.02 <th>limit (dB)</th> <th colspan="3">(dB)</th>	limit (dB)	(dB)				
10	QPSK	1	1	16.40	16.37	16.35		17.5	0.0			
10	QPSK	1	1	16.40	16.37	16.35						

Reduced Power Mode for NSA DSI 2

n7 Ant0 Main_PA 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	23.33	23.50	23.49		
40	1/2 BPSK	1	108	23.43	23.37	23.46	24.0	0.0
40	1/2 BPSK	1	214	23.32	23.49	23.33		
40	1/2 BPSK	108	0	23.22	23.29	23.23	24.0	0.0
40	1/2 BPSK	108	54	23.43	23.36	23.40	24.0	0.0
40	1/2 BPSK	108	108	23.13	23.20	23.12	24.0	0.0
40	1/2 BPSK	216	0	23.05	23.15	23.09		
40	QPSK	1	1	23.38	23.51	23.32		
40	QPSK	1	108	23.42	23.46	23.49	24.0	0.0
40	QPSK	1	214	23.43	23.40	23.42		
40	QPSK	108	0	22.75	22.82	22.74	23.5	0.5
40	QPSK	108	54	23.33	23.46	23.36	24.0	0.0
40	QPSK	108	108	22.67	22.73	22.70	23.5	0.5
40	QPSK	216	0	22.67	22.71	22.65		
40	16QAM	1	1	22.79	22.81	22.73	23.5	0.5
40	16QAM	1	1	21.35	21.39	21.27	22.5	1.5
40	256QAM	1	1	19.34	19.37	19.31	20.0	4.0
Channel				503500	507000	510500	Tune-up limit	MPR
Frequency (MHz)				2517.5	2534	2552.5	(dB)	
35	QPSK	1	1	23.40	23.46	23.49	24.0	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2516	2534	2554	(dB)	
30	QPSK	1	1	23.35	23.40	23.43	24.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2534	2552.5	(dB)	
25	QPSK	1	1	23.29	23.47	23.38	24.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2534	2560	(dB)	
20	1/2 BPSK	1	1	23.36	23.43	23.40	24.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2534	2562.5	(dB)	
15	QPSK	1	1	23.34	23.41	23.37	24.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2534	2565	(dB)	
10	QPSK	1	1	23.44	23.49	23.37	24.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2534	2567.5	(dB)	
5	QPSK	1	1	23.31	23.45	23.39	24.0	0.0

n66 Ant0 Other PA 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	19.21	19.25	19.36		
40	1/2 BPSK	1	108	19.21	19.23	19.36	19.7	0.0
40	1/2 BPSK	1	214	19.16	19.23	19.21		
40	1/2 BPSK	108	0	19.21	19.37	19.32	19.7	0.0
40	1/2 BPSK	108	54	19.15	19.25	19.25	19.7	0.0
40	1/2 BPSK	108	108	19.27	19.22	19.36	19.7	0.0
40	1/2 BPSK	216	0	19.13	19.36	19.31		
40	QPSK	1	1	19.27	19.35	19.33		
40	QPSK	1	108	19.30	19.36	19.27	19.7	0.0
40	QPSK	1	214	19.22	19.30	19.27		
40	QPSK	108	0	19.16	19.21	19.23	19.7	0.0
40	QPSK	108	54	19.14	19.35	19.31	19.7	0.0
40	QPSK	108	108	19.26	19.28	19.22	19.7	0.0
40	QPSK	216	0	19.22	19.54	19.23		
40	16QAM	1	1	19.30	19.21	19.29	19.7	0.0
40	16QAM	1	1	19.29	19.27	19.25	19.7	0.0
40	256QAM	1	1	19.14	19.33	19.33	19.7	0.0
Channel				345500	349000	352500	Tune-up limit	MPR
Frequency (MHz)				1727.5	1745	1762.5	(dB)	
35	QPSK	1	1	19.15	19.22	19.25	19.7	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dB)	
30	QPSK	1	1	19.19	19.32	19.23	19.7	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dB)	
25	QPSK	1	1	19.20	19.29	19.27	19.7	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dB)	
20	QPSK	1	1	19.23	19.30	19.31	19.7	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dB)	
15	QPSK	1	1	19.15	19.28	19.29	19.7	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dB)	
10	QPSK	1	1	19.30	19.23	19.31	19.7	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dB)	
5	QPSK	1	1	19.29	19.36	19.19	19.7	0.0

n38 Ant0 Main_PA DSI2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	22.74	22.82	22.87	23.0	0.0
40	1/2 BPSK	1	53	22.75	22.88	22.79		
40	1/2 BPSK	1	104	22.85	22.88	22.70		
40	1/2 BPSK	50	0	22.87	22.81	22.82	23.0	0.0
40	1/2 BPSK	50	26	22.80	22.78	22.73	23.0	0.0
40	1/2 BPSK	50	56	22.72	22.86	22.75	23.0	0.0
40	1/2 BPSK	100	0	22.70	22.90	22.86	23.0	0.0
40	QPSK	1	1	22.74	22.83	22.78	23.0	0.0
40	QPSK	1	53	22.86	22.82	22.79		
40	QPSK	1	104	22.88	22.88	22.86		
40	QPSK	50	0	22.67	22.69	22.62	23.0	0.0
40	QPSK	50	26	22.74	22.86	22.79	23.0	0.0
40	QPSK	50	56	22.65	22.75	22.65	23.0	0.0
40	QPSK	100	0	22.64	22.71	22.61	23.0	0.0
40	16QAM	1	1	22.69	22.75	22.69	23.0	0.0
40	16QAM	1	1	21.21	21.26	21.17	21.5	1.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	3.5
Channel				517002	519000	520998	Tune-up MPR	
Frequency (MHz)				2583.01	2595	2604.99	limit (dB)	
30	QPSK	1	1	22.80	22.91	22.73	23.0	0.0
Channel				516504	519000	521496	Tune-up MPR	
Frequency (MHz)				2592.52	2595	2607.48	limit (dB)	
25	QPSK	1	1	22.73	22.82	22.74	23.0	0.0
Channel				516000	519000	522000	Tune-up MPR	
Frequency (MHz)				2580 <td>2595</td> <td>2610</td> <th colspan="2">limit (dB)</th>	2595	2610	limit (dB)	
20	QPSK	1	1	22.84	22.80	22.87	23.0	0.0
Channel				515502	519000	522498	Tune-up MPR	
Frequency (MHz)				2577.51 <td>2595</td> <td>2612.49</td> <th colspan="2">limit (dB)</th>	2595	2612.49	limit (dB)	
15	QPSK	1	1	22.84	22.90	22.83	23.0	0.0
Channel				515004	519000	522996	Tune-up MPR	
Frequency (MHz)				2575.02 <td>2595</td> <td>2614.98</td> <th colspan="2">limit (dB)</th>	2595	2614.98	limit (dB)	
10	QPSK	1	1	22.84	22.84	22.74	23.0	0.0

n41 Ant0 Main_PA DSI2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	22.53	22.63	22.58	23.0	0.0
100	1/2 BPSK	1	137	22.47	22.63	22.51		
100	1/2 BPSK	1	271	22.44	22.57	22.62		
100	1/2 BPSK	135	0	22.43	22.67	22.54	23.0	0.0
100	1/2 BPSK	135	69	22.47	22.54	22.55	23.0	0.0
100	1/2 BPSK	135	138	22.58	22.59	22.59	23.0	0.0
100	1/2 BPSK	270	0	22.54	22.62	22.65	23.0	0.0
100	QPSK	1	1	22.51	22.68	22.57	23.0	0.0
100	QPSK	1	137	22.60	22.55	22.60		
100	QPSK	1	271	22.51	22.60	22.59		
100	QPSK	135	0	22.53	22.54	22.48	23.0	0.0
100	QPSK	135	69	22.58	22.65	22.60	23.0	0.0
100	QPSK	135	138	22.33	22.41	22.36	23.0	0.0
100	QPSK	270	0	22.38	22.45	22.41	23.0	0.0
100	16QAM	1	1	22.59	22.57	22.62	23.0	0.0
100	16QAM	1	1	22.58	22.56	22.52	23.0	0.0
100	256QAM	1	1	21.67	21.71	21.66	22.0	1.0
Channel				508200	518898	528996	Tune-up MPR	
Frequency (MHz)				2541.01	2592.99	2644.98	limit (dB)	
90	QPSK	1	1	22.47	22.59	22.52	23.0	0.0
Channel				507204	518898	529998	Tune-up MPR	
Frequency (MHz)				2536.02	2592.99	2648.99	limit (dB)	
80	QPSK	1	1	22.58	22.58	22.55	23.0	0.0
Channel				506202	518898	531000	Tune-up MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)	
70	QPSK	1	1	22.59	22.53	22.53	23.0	0.0
Channel				505200	518898	531996	Tune-up MPR	
Frequency (MHz)				2526.03	2592.99	2659.98	limit (dB)	
60	QPSK	1	1	22.51	22.63	22.64	23.0	0.0
Channel				504204	518898	532998	Tune-up MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (dB)	
50	QPSK	1	1	22.49	22.54	22.52	23.0	0.0
Channel				503202	518898	534000	Tune-up MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)	
40	QPSK	1	1	22.55	22.58	22.49	23.0	0.0
Channel				502200	518898	534996	Tune-up MPR	
Frequency (MHz)				2511.01	2592.99	2674.98	limit (dB)	
30	QPSK	1	1	22.54	22.58	22.49	23.0	0.0
Channel				502200	518898	534996	Tune-up MPR	
Frequency (MHz)				2511.01	2592.99	2674.98	limit (dB)	
25	QPSK	1	1	22.50	22.65	22.63	23.0	0.0
Channel				501204	518898	535998	Tune-up MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)	
20	QPSK	1	1	22.44	22.64	22.65	23.0	0.0
Channel				500700	518898	536496	Tune-up MPR	
Frequency (MHz)				2500.50	2592.99	2683.48	limit (dB)	
15	QPSK	1	1	22.43	22.60	22.57	23.0	0.0
Channel				500202	518898	537000	Tune-up MPR	
Frequency (MHz)				2501.01	2592.99	2685	limit (dB)	
10	QPSK	1	1	22.58	22.56	22.62	23.0	0.0



n7 Ant1 Main_PA 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	20.14	20.13	20.07	21.0	0.0
40	1/2 BPSK	1	108	20.20	20.22	20.04	21.0	0.0
40	1/2 BPSK	1	214	20.13	20.14	20.05	21.0	0.0
40	1/2 BPSK	108	0	20.12	20.28	20.13	21.0	0.0
40	1/2 BPSK	108	54	20.15	20.14	20.08	21.0	0.0
40	1/2 BPSK	108	108	20.09	20.30	20.12	21.0	0.0
40	1/2 BPSK	216	0	20.10	20.23	20.10	21.0	0.0
40	QPSK	1	1	20.17	20.31	20.08	21.0	0.0
40	QPSK	1	108	20.11	20.23	20.13	21.0	0.0
40	QPSK	1	214	20.08	20.20	20.19	21.0	0.0
40	QPSK	108	0	20.09	20.16	20.08	21.0	0.0
40	QPSK	108	54	20.05	20.27	20.21	21.0	0.0
40	QPSK	108	108	20.14	20.19	20.16	21.0	0.0
40	QPSK	216	0	20.18	20.24	20.10	21.0	0.0
40	16QAM	1	1	20.16	20.16	20.14	21.0	0.0
40	16QAM	1	1	20.11	20.13	20.15	21.0	0.0
40	256QAM	1	1	19.12	19.22	19.12	20.0	1.0
Channel				503500	507000	510500	Tune-up limit (dB)	MPR
Frequency (MHz)				2517.5	2535	2552.5	21.0	0.0
35	QPSK	1	1	20.07	20.16	20.15	21.0	0.0
Channel				503000	507000	511000	Tune-up limit (dB)	MPR
Frequency (MHz)				2515	2535	2555	21.0	0.0
30	QPSK	1	1	20.05	20.13	20.07	21.0	0.0
Channel				502500	507000	511500	Tune-up limit (dB)	MPR
Frequency (MHz)				2512.5	2535	2557.5	21.0	0.0
25	QPSK	1	1	20.17	20.10	20.03	21.0	0.0
Channel				502000	507000	512000	Tune-up limit (dB)	MPR
Frequency (MHz)				2510	2535	2560	21.0	0.0
20	1/2 BPSK	1	1	20.16	20.27	20.18	21.0	0.0
Channel				501500	507000	512500	Tune-up limit (dB)	MPR
Frequency (MHz)				2507.5	2535	2562.5	21.0	0.0
15	QPSK	1	1	20.14	20.18	20.10	21.0	0.0
Channel				501000	507000	513000	Tune-up limit (dB)	MPR
Frequency (MHz)				2505	2535	2560	21.0	0.0
10	QPSK	1	1	20.08	20.18	20.14	21.0	0.0
Channel				500500	507000	513500	Tune-up limit (dB)	MPR
Frequency (MHz)				2502.5	2535	2562.5	21.0	0.0
5	QPSK	1	1	20.04	20.30	20.18	21.0	0.0

n66 Ant1 Other PA 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	20.60	20.74	20.64	21.2	0.0
40	1/2 BPSK	1	108	20.73	20.68	20.70	21.2	0.0
40	1/2 BPSK	1	214	20.63	20.65	20.75	21.2	0.0
40	1/2 BPSK	108	0	20.69	20.68	20.63	21.2	0.0
40	1/2 BPSK	108	54	20.77	20.71	20.68	21.2	0.0
40	1/2 BPSK	108	108	20.70	20.70	20.76	21.2	0.0
40	1/2 BPSK	216	0	20.64	20.67	20.68	21.2	0.0
40	QPSK	1	1	20.61	20.65	20.71	21.2	0.0
40	QPSK	1	108	20.77	20.73	20.76	21.2	0.0
40	QPSK	1	214	20.65	20.75	20.67	21.2	0.0
40	QPSK	108	0	20.72	20.75	20.61	21.2	0.0
40	QPSK	108	54	20.68	20.61	20.63	21.2	0.0
40	QPSK	108	108	20.60	20.64	20.61	21.2	0.0
40	QPSK	216	0	20.64	20.70	20.77	21.2	0.0
40	16QAM	1	1	20.61	20.66	20.76	21.2	0.0
40	16QAM	1	1	20.60	20.78	20.62	21.2	0.0
40	256QAM	1	1	20.77	20.68	20.62	21.2	0.0
Channel				345500	349000	352500	Tune-up limit (dB)	MPR
Frequency (MHz)				1727.5	1745	1762.5	21.2	0.0
35	QPSK	1	1	20.68	20.61	20.65	21.2	0.0
Channel				345000	349000	353000	Tune-up limit (dB)	MPR
Frequency (MHz)				1725	1745	1765	21.2	0.0
30	QPSK	1	1	20.64	20.64	20.77	21.2	0.0
Channel				344500	349000	353500	Tune-up limit (dB)	MPR
Frequency (MHz)				1722.5	1745	1767.5	21.2	0.0
25	QPSK	1	1	20.69	20.62	20.77	21.2	0.0
Channel				344000	349000	354000	Tune-up limit (dB)	MPR
Frequency (MHz)				1720	1745	1770	21.2	0.0
20	QPSK	1	1	20.65	20.72	20.64	21.2	0.0
Channel				343500	349000	354500	Tune-up limit (dB)	MPR
Frequency (MHz)				1717.5	1745	1772.5	21.2	0.0
15	QPSK	1	1	20.63	20.69	20.69	21.2	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR
Frequency (MHz)				1715	1745	1775	21.2	0.0
10	QPSK	1	1	20.71	20.66	20.69	21.2	0.0
Channel				342500	349000	355500	Tune-up limit (dB)	MPR
Frequency (MHz)				1712.5	1745	1772.5	21.2	0.0
5	QPSK	1	1	20.64	20.67	20.74	21.2	0.0



n38 Ant1 Main_PA DSI2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	20.00	19.99	19.90			
40	1/2 BPSK	1	53	20.03	20.01	20.34			
40	1/2 BPSK	1	104	19.92	19.96	19.89		20.5	
40	1/2 BPSK	50	0	19.99	20.00	20.05	20.5	0.0	
40	1/2 BPSK	50	26	20.02	20.13	19.94		20.5	
40	1/2 BPSK	50	56	20.03	20.13	20.05		20.5	
40	1/2 BPSK	100	0	19.92	20.01	19.90		20.5	
40	QPSK	1	1	20.07	20.15	20.04			
40	QPSK	1	53	20.07	20.08	20.06		20.5	
40	QPSK	1	104	19.94	19.98	20.03			
40	QPSK	50	0	19.98	19.97	19.94		20.5	
40	QPSK	50	26	19.94	20.14	19.92			
40	QPSK	50	56	19.92	20.01	20.01		20.5	
40	QPSK	100	0	20.09	20.10	20.05			
40	16QAM	1	1	20.07	20.02	19.93	20.6	0.0	
40	16QAM	1	1	19.98	19.98	19.99	20.5	0.0	
40	256QAM	1	1	19.96	19.99	19.98	19.5	1.0	
Channel				517002	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2535.01	2555	2564.99			
30	QPSK	1	1	19.95	19.99	19.93		20.5	
Channel				516004	519000	521498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2532.52	2555	2567.48			
25	QPSK	1	1	20.07	20.02	19.99		20.5	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2530	2555	2610			
20	QPSK	1	1	20.03	20.11	20.02		20.5	
Channel				515002	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2517.51	2555	2617.49			
15	QPSK	1	1	20.10	20.12	19.99		20.5	
Channel				515004	519000	522998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2519.02	2555	2614.98			
10	QPSK	1	1	19.93	20.06	19.95		20.5	

n41 Ant1 Main_PA DSI2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	1/2 BPSK	1	1	19.65	19.70	19.56		20.5	
100	1/2 BPSK	1	137	19.61	19.77	19.58			
100	1/2 BPSK	1	271	19.55	19.77	19.68			
100	1/2 BPSK	135	0	19.59	19.63	19.61	20.5	0.0	
100	1/2 BPSK	135	69	19.67	19.62	19.54		20.5	
100	1/2 BPSK	135	138	19.54	19.70	19.68		20.5	
100	1/2 BPSK	270	0	19.63	19.73	19.62			
100	QPSK	1	1	19.70	19.73	19.70			
100	QPSK	1	137	19.69	19.69	19.66		20.5	
100	QPSK	1	271	19.59	19.61	19.55			
100	QPSK	135	0	19.64	19.65	19.67		20.5	
100	QPSK	135	69	19.55	19.78	19.55		20.5	
100	QPSK	135	138	19.57	19.64	19.64		20.5	
100	QPSK	270	0	19.63	19.66	19.60			
100	16QAM	1	1	19.56	19.66	19.63	20.5	0.0	
100	16QAM	1	1	19.62	19.60	19.57	20.5	0.0	
100	256QAM	1	1	19.58	19.62	19.60	19.5	1.0	
Channel				508200	518598	528998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.99			
90	QPSK	1	1	19.67	19.63	19.61		20.5	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2533.02	2592.99	2643.99			
80	QPSK	1	1	19.69	19.76	19.67		20.5	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2635			
70	QPSK	1	1	19.57	19.60	19.57		20.5	
Channel				505200	518598	531998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2639.98			
60	QPSK	1	1	19.55	19.64	19.71		20.5	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2524.02	2592.99	2644.99			
50	QPSK	1	1	19.59	19.78	19.58		20.5	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2518.01	2592.99	2639			
40	QPSK	1	1	19.59	19.61	19.67		20.5	
Channel				502200	518598	534998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2614.98			
30	QPSK	1	1	19.61	19.74	19.61		20.5	
Channel				502200	518598	534998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2614.98			
25	QPSK	1	1	19.67	19.73	19.67		20.5	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2629.98			
20	QPSK	1	1	19.67	19.65	19.70		20.5	
Channel				500700	518598	536498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503	2592.99	2636.98			
15	QPSK	1	1	19.54	19.75	19.70		20.5	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2639			
10	QPSK	1	1	19.58	19.67	19.59		20.5	

Part270 n77 Ant1 Main_PA DSI2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	18.46	18.52	18.49		19.0	
100	1/2 BPSK	1	137	18.41	18.51	18.42			
100	1/2 BPSK	1	271	18.53	18.51	18.41			
100	1/2 BPSK	135	0	18.39	18.41	18.34	19.0	0.0	
100	1/2 BPSK	138	69	18.49	18.46	18.46		19.0	
100	1/2 BPSK	138	138	18.50	18.51	18.51		19.0	
100	1/2 BPSK	270	0	18.48	18.45	18.41			
100	QPSK	1	1	18.44	18.55	18.38			
100	QPSK	1	137	18.47	18.55	18.39		19.0	
100	QPSK	1	271	18.41	18.54	18.42			
100	QPSK	138	0	18.52	18.35	18.46		19.0	
100	QPSK	138	69	18.43	18.54	18.41		19.0	
100	QPSK	138	138	18.39	18.43	18.40		19.0	
100	QPSK	270	0	18.35	18.51	18.35			
100	16QAM	1	1	18.53	18.47	18.39	19.0	0.0	
100	16QAM	1	1	18.47	18.44	18.41	19.0	0.0	
100	256QAM	1	1	18.48	18.41	18.41	19.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3743.02	3840	3933.01			
90	QPSK	1	1	18.53	18.41	18.37		19.0	
Channel				649334	656000	662668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.49	18.51	18.40		19.0	
Channel				649000	656000	663000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.41	18.44	18.51		19.0	
Channel				648668	656000	663334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.44	18.50	18.39		19.0	
Channel				648334	656000	663668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.42	18.41	18.43	19.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.41	18.50	18.43		19.0	
Channel				647668	656000	664334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.44	18.55	18.38		19.0	
Channel				647334	656000	664668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3712.35	3840	3972.00			
25	QPSK	1	1	18.42	18.53	18.33		19.0	
Channel				647000	656000	664998	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.49	18.45	18.43		19.0	
Channel				646668	656000	665334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.47	18.55	18.35		19.0	
Channel				646334	656000	665668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705.01	3840	3975.02			
10	QPSK	1	1	18.38	18.42	18.48		19.0	



Part27Q n77 Ant1 Main_PA DSI2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	17.05				19.0	0.0
100	1/2 BPSK	1	137	17.03					
100	1/2 BPSK	1	271	17.02					
100	1/2 BPSK	135	0	17.04					
100	1/2 BPSK	135	69	17.16				19.0	0.0
100	1/2 BPSK	135	138	17.03				19.0	0.0
100	1/2 BPSK	270	0	17.05				19.0	0.0
100	QPSK	1	1	17.17				19.0	0.0
100	QPSK	1	137	17.16					
100	QPSK	1	271	17.09					
100	QPSK	135	0	17.12					
100	QPSK	135	69	17.13				19.0	0.0
100	QPSK	135	138	17.10				19.0	0.0
100	QPSK	270	0	17.04				19.0	0.0
100	16QAM	1	1	17.04				18.0	0.0
100	16QAM	1	1	17.06				18.0	0.0
100	256QAM	1	1	17.13				19.0	0.0
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3485	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	17.07	17.04	17.09	19.0	0.0	0.0
Channel				632688	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	17.04	17.03	17.09	19.0	0.0	0.0
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	17.10	17.04	17.09	19.0	0.0	0.0
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3490	3500.01	3505.02	limit (dB)		
60	QPSK	1	1	17.04	17.01	17.10	19.0	0.0	0.0
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3492.02	3500.01	3505	limit (dB)		
50	QPSK	1	1	17.07	17.06	17.01	19.0	0.0	0.0
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3491.01	3500.01	3509.01	limit (dB)		
40	QPSK	1	1	17.14	17.07	17.04	19.0	0.0	0.0
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3485	3500.01	3505.02	limit (dB)		
30	QPSK	1	1	17.12	17.09	17.07	19.0	0.0	0.0
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3492.51	3500.01	3509.51	limit (dB)		
25	QPSK	1	1	17.09	17.07	17.03	19.0	0.0	0.0
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
20	QPSK	1	1	17.11	17.07	17.08	19.0	0.0	0.0
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3487.5	3500.01	3509.52	limit (dB)		
15	QPSK	1	1	17.06	17.07	17.05	19.0	0.0	0.0
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3508.01	limit (dB)		
10	QPSK	1	1	17.08	17.03	17.06	19.0	0.0	0.0

Part27Q n77 Ant1 Main_PA DSI2 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	20.05			22.0	0.0	
100	1/2 BPSK	1	137	20.06			22.0	0.0	
100	1/2 BPSK	1	271	20.03			22.0	0.0	
100	1/2 BPSK	135	0	20.02			22.0	0.0	
100	1/2 BPSK	135	69	20.21			22.0	0.0	
100	1/2 BPSK	135	138	20.01			22.0	0.0	
100	1/2 BPSK	270	0	20.02			22.0	0.0	
100	QPSK	1	1	20.22			21.0	1.0	
100	QPSK	1	137	20.12			22.0	0.0	
100	QPSK	1	271	20.13			22.0	0.0	
100	QPSK	135	0	20.17			22.0	0.0	
100	QPSK	135	69	20.18			22.0	0.0	
100	QPSK	135	138	20.12			22.0	0.0	
100	QPSK	270	0	19.66			22.0	0.0	
100	16QAM	1	1	20.01			22.0	0.0	
100	16QAM	1	1	20.07			22.0	0.0	
100	256QAM	1	1	20.10			21.0	1.0	
Channel				633000	633334	633668	Tune-up	MPR	
Frequency (MHz)				3485	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	20.02	20.09	20.02	22.0	0.0	
Channel				632688	633334	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	20.12	20.05	20.05	22.0	0.0	
Channel				632334	633334	634334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	20.04	20.04	20.15	22.0	0.0	
Channel				632000	633334	634668	Tune-up	MPR	
Frequency (MHz)				3490	3500.01	3505.02	limit (dB)		
60	QPSK	1	1	20.15	20.13	20.13	22.0	0.0	
Channel				631668	633334	635000	Tune-up	MPR	
Frequency (MHz)				3492.02	3500.01	3505	limit (dB)		
50	QPSK	1	1	20.03	20.13	20.08	22.0	0.0	
Channel				631334	633334	635334	Tune-up	MPR	
Frequency (MHz)				3491.01	3500.01	3509.01	limit (dB)		
40	QPSK	1	1	20.11	20.15	20.02	22.0	0.0	
Channel				631000	633334	635668	Tune-up	MPR	
Frequency (MHz)				3485	3500.01	3505.02	limit (dB)		
30	QPSK	1	1	20.02	20.04	20.17	22.0	0.0	
Channel				630834	633334	635834	Tune-up	MPR	
Frequency (MHz)				3492.51	3500.01	3509.51	limit (dB)		
25	QPSK	1	1	20.02	20.01	20.10	22.0	0.0	
Channel				630668	633334	636000	Tune-up	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
20	QPSK	1	1	20.09	20.05	20.13	22.0	0.0	
Channel				630500	633334	636168	Tune-up	MPR	
Frequency (MHz)				3487.5	3500.01	3509.52	limit (dB)		
15	QPSK	1	1	20.08	20.08	20.12	22.0	0.0	
Channel				630334	633334	636334	Tune-up	MPR	
Frequency (MHz)				3485.01	3500.01	3508.01	limit (dB)		
10	QPSK	1	1	20.11	20.01	20.17	22.0	0.0	

Part27O n78 Ant1 Main_PA DSI2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	17.09			18.5	0.0	
100	1/2 BPSK	1	137	17.03			18.5	0.0	
100	1/2 BPSK	1	271	16.95			18.5	0.0	
100	1/2 BPSK	135	0	17.02			18.5	0.0	
100	1/2 BPSK	135	69	16.95			18.5	0.0	
100	1/2 BPSK	135	138	17.09			18.5	0.0	
100	1/2 BPSK	270	0	16.95			18.5	0.0	
100	QPSK	1	1	17.14			18.5	0.0	
100	QPSK	1	137	17.12			18.5	0.0	
100	QPSK	1	271	16.94			18.5	0.0	
100	QPSK	135	0	17.11			18.5	0.0	
100	QPSK	135	69	17.12			18.5	0.0	
100	QPSK	135	138	16.96			18.5	0.0	
100	QPSK	270	0	16.97			18.5	0.0	
100	16QAM	1	1	17.06			18.5	0.0	
100	16QAM	1	1	17.10			18.5	0.0	
100	256QAM	1	1	17.10			18.5	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)		
90	QPSK	1	1	17.12	16.98	16.95	18.5	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	17.10	17.00	16.97	18.5	0.0	
Channel				648999	650000	650999	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	17.00	17.11	17.00	18.5	0.0	
Channel				648665	650000	651333	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	17.09	17.02	16.95	18.5	0.0	
Channel				648331	650000	651000	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
50	QPSK	1	1	16.95	17.08	17.04	18.5	0.0	
Channel				647997	650000	651000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	17.08	17.04	17.05	18.5	0.0	
Channel				647663	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
30	QPSK	1	1	17.10	16.95	17.08	18.5	0.0	
Channel				647329	650000	652999	Tune-up	MPR	
Frequency (MHz)				3710	3750	3790	limit (dB)		
25	QPSK	1	1	17.05	17.06	16.94	18.5	0.0	
Channel				646995	650000	653668	Tune-up	MPR	
Frequency (MHz)				3705.01	3750	3802.02	limit (dB)		
20	QPSK	1	1	17.04	17.00	16.99	18.5	0.0	
Channel				646661	650000	654334	Tune-up	MPR	
Frequency (MHz)				3700	3750	3805.01	limit (dB)		
15	QPSK	1	1	16.97	17.08	16.95	18.5	0.0	
Channel				646327	650000	655000	Tune-up	MPR	
Frequency (MHz)				3695	3750	3810	limit (dB)		
10	QPSK	1	1	16.94	17.02	17.04	18.5	0.0	

Part27Q n78 Ant1 Main_PA DS12

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [mHz]	MPR [dB]
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		18.72			18.5 0.0
100	1/2 BPSK	1	137		18.77			
100	1/2 BPSK	1	271		18.84			
100	1/2 BPSK	135	0		18.78			18.5 0.0
100	1/2 BPSK	135	69		18.86			18.5 0.0
100	1/2 BPSK	135	138		18.70			18.5 0.0
100	1/2 BPSK	270	0		18.79			
100	QPSK	1	1		18.68			
100	QPSK	1	137		18.74			18.5 0.0
100	QPSK	1	271		18.74			
100	QPSK	135	0		18.74			18.5 0.0
100	QPSK	135	69		18.82			18.5 0.0
100	QPSK	135	138		18.79			18.5 0.0
100	QPSK	270	0		18.75			
100	16QAM	1	1		18.81			18.5 0.0
100	16QAM	1	1		18.86			18.5 0.0
100	256QAM	1	1		18.87			18.5 0.0
Channel				633000	633334	633668	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)
90	QPSK	1	1		18.67	18.72	18.84	18.5 0.0
Channel				632668	633334	634000	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3490.02	3500.01	3510	lim	(dB)
80	QPSK	1	1		18.72	18.72	18.72	18.5 0.0
Channel				632334	633334	634334	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3485.01	3500.01	3515.01	lim	(dB)
70	QPSK	1	1		18.67	18.82	18.70	18.5 0.0
Channel				632000	633334	634668	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3490	3500.01	3500.02	lim	(dB)
60	QPSK	1	1		18.68	18.82	18.83	18.5 0.0
Channel				631668	633334	635000	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3493.02	3500.01	3502	lim	(dB)
50	QPSK	1	1		18.70	18.74	18.74	18.5 0.0
Channel				631334	633334	635334	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3490.01	3500.01	3503.01	lim	(dB)
40	QPSK	1	1		18.71	18.82	18.78	18.5 0.0
Channel				631000	633334	635668	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3485	3500.01	3505.02	lim	(dB)
30	QPSK	1	1		18.78	18.73	18.70	18.5 0.0
Channel				630834	633334	635834	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3492.51	3500.01	3507.51	lim	(dB)
25	QPSK	1	1		18.70	18.84	18.83	18.5 0.0
Channel				630668	633334	636000	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3490.02	3500.01	3500	lim	(dB)
20	QPSK	1	1		18.74	18.74	18.81	18.5 0.0
Channel				630500	633334	636168	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3487.6	3500.01	3502.82	lim	(dB)
15	QPSK	1	1		18.78	18.78	18.72	18.5 0.0
Channel				630334	633334	636334	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3485.01	3500.01	3504.01	lim	(dB)
10	QPSK	1	1		18.73	18.83	18.82	18.5 0.0

Part27Q n78 Ant1 Main_PA DS12 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [mHz]	MPR [dB]
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		19.80			21.5 0.0
100	1/2 BPSK	1	137		19.85			
100	1/2 BPSK	1	271		19.78			
100	1/2 BPSK	135	0		19.71			21.5 0.0
100	1/2 BPSK	135	69		19.80			21.5 0.0
100	1/2 BPSK	135	138		19.70			21.5 0.0
100	1/2 BPSK	270	0		19.75			
100	QPSK	1	1		19.83			
100	QPSK	1	137		19.74			21.5 0.0
100	QPSK	1	271		19.81			
100	QPSK	135	0		19.77			21.5 0.0
100	QPSK	135	69		19.85			21.5 0.0
100	QPSK	135	138		19.84			21.5 0.0
100	QPSK	270	0		19.71			
100	16QAM	1	1		19.76			21.5 0.0
100	16QAM	1	1		19.87			21.5 0.0
100	256QAM	1	1		19.92			21.0 0.5
Channel				633000	633334	633668	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)
90	QPSK	1	1		19.87	19.80	19.81	21.5 0.0
Channel				632668	633334	634000	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3490.02	3500.01	3510	lim	(dB)
80	QPSK	1	1		19.65	19.87	19.81	21.5 0.0
Channel				632334	633334	634334	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3485.01	3500.01	3515.01	lim	(dB)
70	QPSK	1	1		19.68	19.83	19.88	21.5 0.0
Channel				632000	633334	634668	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3490	3500.01	3500.02	lim	(dB)
60	QPSK	1	1		19.71	19.84	19.78	21.5 0.0
Channel				631668	633334	635000	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3493.02	3500.01	3502	lim	(dB)
50	QPSK	1	1		19.68	19.81	19.80	21.5 0.0
Channel				631334	633334	635334	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3490.01	3500.01	3503.01	lim	(dB)
40	QPSK	1	1		19.60	19.74	19.81	21.5 0.0
Channel				631000	633334	635668	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3485	3500.01	3505.02	lim	(dB)
30	QPSK	1	1		19.72	19.88	19.81	21.5 0.0
Channel				630834	633334	635834	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3492.51	3500.01	3507.51	lim	(dB)
25	QPSK	1	1		19.72	19.79	19.88	21.5 0.0
Channel				630668	633334	636000	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3490.02	3500.01	3500	lim	(dB)
20	QPSK	1	1		19.72	19.77	19.78	21.5 0.0
Channel				630500	633334	636168	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3487.6	3500.01	3502.82	lim	(dB)
15	QPSK	1	1		19.71	19.82	19.82	21.5 0.0
Channel				630334	633334	636334	Tune-up [mHz]	MPR [dB]
Frequency (MHz)				3485.01	3500.01	3504.01	lim	(dB)
10	QPSK	1	1		19.60	19.85	19.79	21.5 0.0



Part270 n77 Ant8 Main_PA DSI2										
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930	17.0	0.0		
100	1/2 BPSK	1	137	15.69	15.90	15.81				
100	1/2 BPSK	1	271	15.83	15.91	15.81				
100	1/2 BPSK	135	0	15.78	15.82	15.71				
100	1/2 BPSK	135	69	15.79	15.83	15.73	17.0	0.0		
100	1/2 BPSK	135	138	15.90	15.91	15.84	17.0	0.0		
100	1/2 BPSK	270	0	15.86	15.88	15.74	17.0	0.0		
100	QPSK	1	1	15.84	15.97	15.71	17.0	0.0		
100	QPSK	1	137	15.87	15.82	15.72				
100	QPSK	1	271	15.80	15.87	15.73				
100	QPSK	135	0	15.79	15.85	15.74				
100	QPSK	135	69	15.88	15.95	15.87	17.0	0.0		
100	QPSK	135	138	15.78	15.83	15.82	17.0	0.0		
100	QPSK	270	0	15.88	15.89	15.72	17.0	0.0		
100	16QAM	1	1	15.88	15.93	15.85	17.0	0.0		
100	64QAM	1	1	15.88	15.88	15.79	17.0	0.0		
100	256QAM	1	1	15.82	15.90	15.88	17.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	649688	656000	662334	Tune-up	MPR		
90	QPSK	1	1	374502	3840	3930.01	limit	(dB)		
90	QPSK	1	1	15.85	15.98	15.73	17.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	649334	656000	662668	Tune-up	MPR		
80	QPSK	1	1	374001	3840	3940.02	limit	(dB)		
80	QPSK	1	1	15.64	15.82	15.58	17.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	649000	656000	663000	Tune-up	MPR		
70	QPSK	1	1	3735	3840	3945	limit	(dB)		
70	QPSK	1	1	15.63	15.79	15.55	17.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	648668	656000	663334	Tune-up	MPR		
60	QPSK	1	1	373002	3840	3950.01	limit	(dB)		
60	QPSK	1	1	15.62	15.87	15.53	17.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	648334	656000	663668	Tune-up	MPR		
50	QPSK	1	1	372501	3840	3955.02	limit	(dB)		
50	QPSK	1	1	15.61	15.81	15.56	17.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	648000	656000	664000	Tune-up	MPR		
40	QPSK	1	1	3720	3840	3960	limit	(dB)		
40	QPSK	1	1	15.64	15.93	15.72	17.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	647668	656000	664334	Tune-up	MPR		
30	QPSK	1	1	371502	3840	3965.01	limit	(dB)		
30	QPSK	1	1	15.63	15.88	15.76	17.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	647500	656000	664500	Tune-up	MPR		
25	QPSK	1	1	37125	3840	3967.5	limit	(dB)		
25	QPSK	1	1	15.68	15.81	15.66	17.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	647334	656000	664668	Tune-up	MPR		
20	QPSK	1	1	371001	3840	3970.02	limit	(dB)		
20	QPSK	1	1	15.78	15.82	15.77	17.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	647168	656000	664834	Tune-up	MPR		
15	QPSK	1	1	370752	3840	3972.51	limit	(dB)		
15	QPSK	1	1	15.82	15.82	15.71	17.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	647000	656000	665000	Tune-up	MPR		
10	QPSK	1	1	3705	3840	3975	limit	(dB)		
10	QPSK	1	1	15.83	15.95	15.78	17.0	0.0		

Part270 n77 Ant8 Main_PA DSI2 PC2										
BW [MHz]	Module ion	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	1/2 BPSK	1	1	3750	3840	3930	20.0	0.0		
100	1/2 BPSK	1	137	18.88	18.85	18.82				
100	1/2 BPSK	1	271	18.76	18.84	18.87				
100	1/2 BPSK	135	0	18.76	18.79	18.74				
100	1/2 BPSK	135	69	18.84	18.87	18.80	20.0	0.0		
100	1/2 BPSK	135	138	18.90	18.84	18.82	20.0	0.0		
100	1/2 BPSK	270	0	18.87	18.81	18.71	20.0	0.0		
100	QPSK	1	1	18.76	19.05	18.70	20.0	0.0		
100	QPSK	1	137	18.95	18.84	18.72				
100	QPSK	1	271	18.72	18.88	18.89				
100	QPSK	135	0	18.60	18.85	18.71				
100	QPSK	135	69	18.86	19.03	18.87	20.0	0.0		
100	QPSK	135	138	18.77	19.02	18.89	20.0	0.0		
100	QPSK	270	0	18.94	19.07	19.68	20.0	0.0		
100	16QAM	1	1	18.96	18.84	18.88	20.0	0.0		
100	64QAM	1	1	18.81	18.90	18.81	20.0	0.0		
100	256QAM	1	1	18.83	18.88	19.83	19.5	0.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	649686	656000	662334	Tune-up	MPR		
90	QPSK	1	1	18.94	18.89	18.90	20.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	648334	656000	662668	Tune-up	MPR		
80	QPSK	1	1	374001	3840	3940.02	limit	(dB)		
80	QPSK	1	1	18.83	18.97	18.85	20.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	649000	656000	663000	Tune-up	MPR		
70	QPSK	1	1	3735	3840	3945	limit	(dB)		
70	QPSK	1	1	18.87	18.93	18.79	20.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	648668	656000	663334	Tune-up	MPR		
60	QPSK	1	1	373002	3840	3950.01	limit	(dB)		
60	QPSK	1	1	18.90	18.92	18.85	20.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	648334	656000	663668	Tune-up	MPR		
50	QPSK	1	1	372501	3840	3955.02	limit	(dB)		
50	QPSK	1	1	18.97	18.97	18.75	20.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	648000	656000	664000	Tune-up	MPR		
40	QPSK	1	1	3720	3840	3960	limit	(dB)		
40	QPSK	1	1	18.96	18.83	18.74	20.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	647668	656000	664334	Tune-up	MPR		
30	QPSK	1	1	371502	3840	3965.01	limit	(dB)		
30	QPSK	1	1	18.93	18.97	18.80	20.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	647235	656000	664000	Tune-up	MPR		
25	QPSK	1	1	371000	3840	3960.00	limit	(dB)		
25	QPSK	1	1	18.91	18.95	18.87	20.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	647168	656000	664000	Tune-up	MPR		
20	QPSK	1	1	370750	3840	3957.50	limit	(dB)		
20	QPSK	1	1	18.90	18.95	18.87	20.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	647000	656000	664000	Tune-up	MPR		
15	QPSK	1	1	370500	3840	3955.00	limit	(dB)		
15	QPSK	1	1	18.90	18.95	18.87	20.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.90	18.83	18.75	20.0	0.0		



Part270 n78 Ant8 Main_PA DSI2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	15.40	3750			
100	1/2 BPSK	1	137	15.25				
100	1/2 BPSK	1	271	15.40			16.5	0.0
100	1/2 BPSK	135	0	15.23			16.5	0.0
100	1/2 BPSK	135	69	15.31			16.5	0.0
100	1/2 BPSK	135	138	15.27			16.5	0.0
100	1/2 BPSK	270	0	15.31			16.5	0.0
100	QPSK	1	1	15.47				
100	QPSK	1	137	15.39			16.5	0.0
100	QPSK	1	271	15.38			16.5	0.0
100	QPSK	135	0	15.38			16.5	0.0
100	QPSK	135	69	15.44			16.5	0.0
100	QPSK	135	138	15.29			16.5	0.0
100	QPSK	270	0	15.31			16.5	0.0
100	16QAM	1	1	15.38			16.5	0.0
100	64QAM	1	1	15.26			16.5	0.0
100	256QAM	1	1	15.25			16.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.37	649668	650000	650334	16.5
90	QPSK	1	137	15.25	3750.01	3755.01	limit (dB)	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.41	649334	650000	650668	16.5
80	QPSK	1	137	15.31	3750.01	3755.02	limit (dB)	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.41	649000	650000	651000	16.5
70	QPSK	1	137	15.33	3750	3765	limit (dB)	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.43	648668	650000	651334	16.5
60	QPSK	1	137	15.37	3750.01	3760.01	limit (dB)	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.46	648334	650000	651668	16.5
50	QPSK	1	137	15.40	3750.01	3760.02	limit (dB)	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.33	647668	650000	652334	16.5
40	QPSK	1	137	15.33	3750	3765	limit (dB)	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.38	647500	650000	652500	16.5
30	QPSK	1	137	15.38	3750.01	3760.01	limit (dB)	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.31	647334	650000	652668	16.5
25	QPSK	1	137	15.31	3750.01	3760.02	limit (dB)	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.35	647168	650000	652834	16.5
20	QPSK	1	137	15.35	3750.01	3760.02	limit (dB)	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.40	647000	650000	653000	16.5
15	QPSK	1	137	15.40	3750	3765	limit (dB)	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.29	646700	650000	653200	16.5
10	QPSK	1	137	15.29	3750	3765	limit (dB)	0.0

Part270 n78 Ant8 Main_PA DSI2 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	18.44	3750			
100	1/2 BPSK	1	137	18.22			19.5	0.0
100	1/2 BPSK	1	271	18.41			19.5	0.0
100	1/2 BPSK	135	0	18.23			19.5	0.0
100	1/2 BPSK	135	69	18.37			19.5	0.0
100	1/2 BPSK	135	138	18.29			19.5	0.0
100	1/2 BPSK	270	0	18.27			19.5	0.0
100	QPSK	1	1	18.58				
100	QPSK	1	137	18.48			19.5	0.0
100	QPSK	1	271	18.39			19.5	0.0
100	QPSK	135	0	18.30			19.5	0.0
100	QPSK	135	69	18.41			19.5	0.0
100	QPSK	135	138	18.34			19.5	0.0
100	QPSK	270	0	18.25			19.5	0.0
100	16QAM	1	1	18.37			19.5	0.0
100	64QAM	1	1	18.28			19.5	0.0
100	256QAM	1	1	18.29			19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.34	649668	650000	650334	19.5
90	QPSK	1	137	18.31	3750.01	3755.01	limit (dB)	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.31	649334	650000	650668	19.5
80	QPSK	1	137	18.31	3750.01	3760.02	limit (dB)	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.37	649000	650000	651000	19.5
70	QPSK	1	137	18.37	3750	3765	limit (dB)	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.34	648668	650000	651334	19.5
60	QPSK	1	137	18.34	3750.01	3760.01	limit (dB)	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.42	648334	650000	651668	19.5
50	QPSK	1	137	18.30	3750.01	3760.02	limit (dB)	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.43	648000	650000	652000	19.5
40	QPSK	1	137	18.43	3750	3765	limit (dB)	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.41	647668	650000	652334	19.5
30	QPSK	1	137	18.41	3750.01	3760.01	limit (dB)	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.43	647500	650000	652500	19.5
25	QPSK	1	137	18.43	3750.01	3760.01	limit (dB)	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.35	647334	650000	652668	19.5
20	QPSK	1	137	18.35	3750.01	3760.02	limit (dB)	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.37	647168	650000	652834	19.5
15	QPSK	1	137	18.37	3750.01	3760.02	limit (dB)	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.44	647000	650000	653000	19.5
10	QPSK	1	137	18.44	3750	3765	limit (dB)	0.0

Part27Q n78 Ant8 Main_PA 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	1/2 BPSK	1	1	14.78	3500.01			
100	1/2 BPSK	1	137	14.77			16.5	0.0
100	1/2 BPSK	1	271	14.85			16.5	0.0
100	1/2 BPSK	135	0	14.70			16.5	0.0
100	1/2 BPSK	135	69	14.72			16.5	0.0
100	1/2 BPSK	135	138	14.86			16.5	0.0
100	1/2 BPSK	270	0	14.71			16.5	0.0
100	QPSK	1	1	14.87				
100	QPSK	1	137	14.73			16.5	0.0
100	QPSK	1	271	14.82			16.5	0.0
100	QPSK	135	0	14.71			16.5	0.0
100	QPSK	135	69	14.84			16.5	0.0
100	QPSK	135	138	14.76			16.5	0.0
100	QPSK	270	0	14.77			16.5	0.0
100	16QAM	1	1	14.83			16.5	0.0
100	64QAM	1	1	14.84			16.5	0.0
100	256QAM	1	1	14.86			16.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.71	633000	633334	633668	16.5
90	QPSK	1	137	14.71	3500.01	3505.02	limit (dB)	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.86	14.74	14.79	14.83	16.5
80	QPSK	1	137	14.78	3500.01	3505.02	limit (dB)	0.0
80	QPSK	1	271	14.83	3500.01	3505.02	limit (dB)	0.0
70	QPSK	1	1	14.70	14.70	14.79	14.79	16.5
70	QPSK	1	137	14.70	3500.01	3505.02	limit (dB)	0.0
70	QPSK	1	271	14.78	3500.01	3505.02	limit (dB)	0.0
60	QPSK	1	1	14.73	14.73	14.79	14.79	16.5
60	QPSK	1	137	14.73	3500.01	3505.02	limit (dB)	0.0
60	QPSK	1	271	14.72	3500.01	3505.02	limit (dB)	0.0
50	QPSK	1	1	14.72	14.86	14.87	14.87	16.5
50	QPSK	1	137	14.72	3500.01	3505.02	limit (dB)	0.0
50	QPSK	1	271	14.73	3500.01	3505.02	limit (dB)	0.0
40	QPSK	1	1	14.73	14.83	14.85	14.85	16.5
40	QPSK	1	137	14.70	3500.01	3505.02	limit (dB)	0.0
40	QPSK	1	271	14.78	3500.01	3505.02	limit (dB)	0.0
30	QPSK	1	1	14.72	14.83	14.85	14.85	16.5
30	QPSK	1	137	14.70	3500.01	3505.02	limit (dB)	0.0
30	QPSK	1	271	14.78	3500.01	3505.02	limit (dB)	0.0
25	QPSK	1	1	14.72	14.75	14.75	14.75	16.5
25	QPSK	1	137	14.70	3500.01	3505.02	limit (dB)	0.0
25	QPSK	1	271	14.78	3500.01	3505.02	limit (dB)	0.0
20	QPSK	1	1	14.74	14.79	14.79	14.79	16.5
20	QPSK	1	137	14.74	3500.01	3505.02	limit (dB)	0.0
20	QPSK	1	271	14.78	3500.01	3505.02	limit (dB)	0.0
15	QPSK	1	1	14.75	14.79	14.79	14.79	16.5
15	QPSK	1	137	14.75	3500.01	3505.02	limit (dB)	0.0
15	QPSK	1	271	14.78	3500.01	3505.02	limit (dB)	0.0
10	QPSK	1	1	14.70	14.71	14.85	14.85	16.5

Reduced Power Mode for NSA DSI3

n7 Ant0 Main_PA DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	MPR (dB)
Frequency (MHz)				2520	2535	2550	
40	1/2 BPSK	1	1	23.33	23.52	23.49	
40	1/2 BPSK	1	108	23.43	23.37	23.46	24.0
40	1/2 BPSK	1	214	23.32	23.49	23.33	
40	1/2 BPSK	108	0	23.22	23.29	23.23	24.0
40	1/2 BPSK	108	54	23.43	23.38	23.40	24.0
40	1/2 BPSK	108	108	23.13	23.20	23.12	24.0
40	1/2 BPSK	216	0	23.05	23.15	23.09	24.0
40	QPSK	1	1	23.38	23.51	23.32	
40	QPSK	1	108	23.42	23.46	23.49	24.0
40	QPSK	1	214	23.43	23.40	23.42	
40	QPSK	108	0	22.75	22.82	22.74	23.5
40	QPSK	108	54	23.33	23.45	23.36	24.0
40	QPSK	108	108	22.67	22.73	22.70	23.5
40	QPSK	216	0	22.67	22.71	22.65	23.5
40	16QAM	1	1	22.79	22.81	22.73	23.5
40	16QAM	1	1	21.35	21.38	21.27	22.5
40	256QAM	1	1	19.34	19.37	19.31	20.0
Channel				503500	507000	510500	Tune-up limit (dB)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	23.40	23.46	23.49	24.0
Channel				503000	507000	511000	Tune-up limit (dB)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	23.35	23.40	23.43	24.0
Channel				502500	507000	511500	Tune-up limit (dB)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	23.29	23.47	23.38	24.0
Channel				502000	507000	512000	Tune-up limit (dB)
Frequency (MHz)				2510	2535	2560	
20	1/2 BPSK	1	1	23.36	23.43	23.40	24.0
Channel				501500	507000	512500	Tune-up limit (dB)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	23.34	23.41	23.37	24.0
Channel				501000	507000	513000	Tune-up limit (dB)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	23.44	23.49	23.37	24.0
Channel				500500	507000	513500	Tune-up limit (dB)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	23.31	23.45	23.39	24.0

n66 Ant0 Other PA DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	MPR (dB)
Frequency (MHz)				1730	1745	1760	
40	1/2 BPSK	1	1	19.21	19.23	19.36	
40	1/2 BPSK	1	108	19.21	19.23	19.36	19.7
40	1/2 BPSK	1	214	19.16	19.23	19.21	
40	1/2 BPSK	108	0	19.21	19.37	19.32	19.7
40	1/2 BPSK	108	54	19.15	19.25	19.25	19.7
40	1/2 BPSK	108	108	19.27	19.22	19.36	19.7
40	1/2 BPSK	216	0	19.13	19.38	19.31	
40	QPSK	1	1	19.27	19.39	19.33	
40	QPSK	1	108	19.30	19.36	19.27	19.7
40	QPSK	1	214	19.22	19.30	19.27	
40	QPSK	108	0	19.16	19.21	19.23	19.7
40	QPSK	108	54	19.14	19.35	19.31	19.7
40	QPSK	108	108	19.28	19.28	19.22	19.7
40	QPSK	216	0	19.22	19.34	19.23	
40	16QAM	1	1	19.30	19.21	19.29	19.7
40	16QAM	1	1	19.28	19.27	19.25	19.7
40	256QAM	1	1	19.14	19.33	19.33	19.7
Channel				345500	349000	352500	Tune-up limit (dB)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	19.15	19.22	19.25	19.7
Channel				345000	349000	353000	Tune-up limit (dB)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	19.19	19.32	19.23	19.7
Channel				344500	349000	353500	Tune-up limit (dB)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	19.20	19.29	19.27	19.7
Channel				344000	349000	354000	Tune-up limit (dB)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	19.23	19.30	19.31	19.7
Channel				343500	349000	354500	Tune-up limit (dB)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	19.15	19.28	19.29	19.7
Channel				343000	349000	355000	Tune-up limit (dB)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	19.30	19.23	19.31	19.7
Channel				342500	349000	355500	Tune-up limit (dB)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	19.29	19.36	19.19	19.7

n38 Ant0 Main_PA DSI3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	22.74	22.82	22.87		
40	1/2 BPSK	1	53	22.75	22.88	22.79	23.0	0.0
40	1/2 BPSK	1	104	22.85	22.88	22.70		
40	1/2 BPSK	50	0	22.87	22.81	22.82	23.0	0.0
40	1/2 BPSK	50	26	22.80	22.78	22.73	23.0	0.0
40	1/2 BPSK	50	56	22.72	22.86	22.75	23.0	0.0
40	1/2 BPSK	100	0	22.70	22.90	22.86		
40	QPSK	1	1	22.74	22.83	22.78		
40	QPSK	1	53	22.86	22.82	22.79	23.0	0.0
40	QPSK	1	104	22.88	22.88	22.86		
40	QPSK	50	0	22.67	22.69	22.62	23.0	0.0
40	QPSK	50	26	22.74	22.86	22.79	23.0	0.0
40	QPSK	50	56	22.65	22.75	22.65	23.0	0.0
40	QPSK	100	0	22.64	22.71	22.61		
40	16QAM	1	1	22.69	22.75	22.69	23.0	0.0
40	64QAM	1	1	21.21	21.26	21.17	21.5	1.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	3.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.01	2595	2604.99	<td></td>	
30	QPSK	1	1	22.80	22.91	22.73	23.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.52	2595	2607.48	<td></td>	
25	QPSK	1	1	22.73	22.82	22.74	23.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	<td></td>	
20	QPSK	1	1	22.84	22.80	22.87	23.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	<td></td>	
15	QPSK	1	1	22.84	22.90	22.83	23.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	<td></td>	
10	QPSK	1	1	22.84	22.84	22.74	23.0	0.0

n41 Ant0 Main_PA DSI3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	22.53	22.63	22.58		
100	1/2 BPSK	1	137	22.47	22.63	22.51	23.0	0.0
100	1/2 BPSK	1	271	22.44	22.57	22.62		
100	1/2 BPSK	135	0	22.43	22.67	22.54	23.0	0.0
100	1/2 BPSK	135	69	22.47	22.54	22.55	23.0	0.0
100	1/2 BPSK	135	138	22.58	22.59	22.59	23.0	0.0
100	1/2 BPSK	270	0	22.54	22.62	22.65		
100	QPSK	1	1	22.51	22.68	22.57		
100	QPSK	1	137	22.60	22.55	22.60	23.0	0.0
100	QPSK	1	271	22.51	22.60	22.59		
100	QPSK	135	0	22.53	22.54	22.48	23.0	0.0
100	QPSK	135	69	22.58	22.65	22.60	23.0	0.0
100	QPSK	135	138	22.33	22.41	22.36	23.0	0.0
100	QPSK	270	0	22.38	22.45	22.41		
100	16QAM	1	1	22.59	22.57	22.62	23.0	0.0
100	64QAM	1	1	22.56	22.56	22.52	23.0	0.0
100	256QAM	1	1	21.67	21.71	21.66	22.0	1.0
Channel				508200	518898	528996	Tune-up MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit (dB)	
90	QPSK	1	1	22.47	22.59	22.52	23.0	0.0
Channel				507204	518898	529998	Tune-up MPR	
Frequency (MHz)				2536.02	2592.99	2648.99	limit (dB)	
80	QPSK	1	1	22.58	22.58	22.55	23.0	0.0
Channel				506202	518898	531000	Tune-up MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)	
70	QPSK	1	1	22.59	22.53	22.53	23.0	0.0
Channel				505200	518898	531896	Tune-up MPR	
Frequency (MHz)				2526	43.28	2658.98	limit (dB)	
60	QPSK	1	1	22.51	22.63	22.64	23.0	0.0
Channel				504204	518898	532998	Tune-up MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (dB)	
50	QPSK	1	1	22.49	22.54	22.52	23.0	0.0
Channel				503202	518898	534000	Tune-up MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)	
40	QPSK	1	1	22.55	22.56	22.49	23.0	0.0
Channel				502200	518898	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit (dB)	
30	QPSK	1	1	22.54	22.58	22.49	23.0	0.0
Channel				502200	518898	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit (dB)	
25	QPSK	1	1	22.50	22.65	22.63	23.0	0.0
Channel				501204	518898	535998	Tune-up MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)	
20	QPSK	1	1	22.44	22.64	22.65	23.0	0.0
Channel				500700	518898	536496	Tune-up MPR	
Frequency (MHz)				2500.5	2592.99	2683.48	limit (dB)	
15	QPSK	1	1	22.43	22.60	22.57	23.0	0.0
Channel				500202	518898	537000	Tune-up MPR	
Frequency (MHz)				2501.01	2592.99	2685	limit (dB)	
10	QPSK	1	1	22.58	22.56	22.62	23.0	0.0



n7 Ant1 Main_PA 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	20.14	20.13	20.07	21.0	0.0
40	1/2 BPSK	1	108	20.20	20.22	20.04		
40	1/2 BPSK	1	214	20.13	20.14	20.05		
40	1/2 BPSK	108	0	20.12	20.28	20.13	21.0	0.0
40	1/2 BPSK	108	54	20.15	20.14	20.08	21.0	0.0
40	1/2 BPSK	108	108	20.09	20.30	20.12	21.0	0.0
40	1/2 BPSK	216	0	20.10	20.23	20.10		
40	QPSK	1	1	20.17	20.31	20.08		
40	QPSK	1	108	20.11	20.23	20.13	21.0	0.0
40	QPSK	1	214	20.08	20.20	20.19	21.0	0.0
40	QPSK	108	0	20.09	20.16	20.08		
40	QPSK	108	54	20.05	20.27	20.21		
40	QPSK	108	108	20.14	20.19	20.16	21.0	0.0
40	QPSK	216	0	20.18	20.24	20.10	21.0	0.0
40	16QAM	1	1	20.16	20.16	20.14		
40	16QAM	1	1	20.11	20.13	20.15		
40	256QAM	1	1	19.12	19.22	19.12	20.0	1.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)	
35	QPSK	1	1	20.07	20.18	20.15	21.0	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit (dB)	
30	QPSK	1	1	20.05	20.13	20.07	21.0	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	
25	QPSK	1	1	20.17	20.10	20.03	21.0	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit (dB)	
20	1/2 BPSK	1	1	20.15	20.27	20.18	21.0	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	
15	QPSK	1	1	20.14	20.18	20.10	21.0	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit (dB)	
10	QPSK	1	1	20.08	20.18	20.14	21.0	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)	
5	QPSK	1	1	20.04	20.30	20.18	21.0	0.0

n66 Ant1 Other PA 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	20.60	20.74	20.64	21.2	0.0
40	1/2 BPSK	1	108	20.73	20.68	20.70		
40	1/2 BPSK	1	214	20.63	20.65	20.75		
40	1/2 BPSK	108	0	20.69	20.68	20.63	21.2	0.0
40	1/2 BPSK	108	54	20.77	20.71	20.68	21.2	0.0
40	1/2 BPSK	108	108	20.70	20.70	20.78	21.2	0.0
40	1/2 BPSK	216	0	20.64	20.67	20.68	21.2	0.0
40	QPSK	1	1	20.61	20.65	20.71		
40	QPSK	1	108	20.77	20.73	20.76		
40	QPSK	1	214	20.65	20.75	20.67	21.2	0.0
40	QPSK	108	0	20.72	20.75	20.61		
40	QPSK	108	54	20.68	20.81	20.63		
40	QPSK	108	108	20.60	20.64	20.61	21.2	0.0
40	QPSK	216	0	20.64	20.75	20.77	21.2	0.0
40	16QAM	1	1	20.61	20.66	20.78		
40	16QAM	1	1	20.60	20.78	20.62		
40	256QAM	1	1	20.77	20.68	20.62	21.2	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	
35	QPSK	1	1	20.58	20.61	20.65	21.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725 <td>1745</td> <td>1765</td> <td>limit (dB)</td> <td></td>	1745	1765	limit (dB)	
30	QPSK	1	1	20.54	20.64	20.77	21.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5 <td>1745</td> <td>1767.5</td> <td>limit (dB)</td> <td></td>	1745	1767.5	limit (dB)	
25	QPSK	1	1	20.60	20.62	20.77	21.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720 <td>1745</td> <td>1770</td> <td>limit (dB)</td> <td></td>	1745	1770	limit (dB)	
20	QPSK	1	1	20.65	20.72	20.64	21.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5 <td>1745</td> <td>1772.5</td> <td>limit (dB)</td> <td></td>	1745	1772.5	limit (dB)	
15	QPSK	1	1	20.63	20.69	20.66	21.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715 <td>1745</td> <td>1775</td> <td>limit (dB)</td> <td></td>	1745	1775	limit (dB)	
10	QPSK	1	1	20.71	20.66	20.69	21.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5 <td>1745</td> <td>1777.5</td> <td>limit (dB)</td> <td></td>	1745	1777.5	limit (dB)	
5	QPSK	1	1	20.64	20.67	20.74	21.2	0.0



n38 Ant1 Main_PA DSI3										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2590.02	2595	2599.98				
40 1/2 BPSK	1	1	20.00	19.99	19.90		20.5	0.0		
40 1/2 BPSK	1	53	20.03	20.01	20.34					
40 1/2 BPSK	1	104	19.92	19.96	19.89					
40 1/2 BPSK	50	0	19.99	20.00	20.05	20.5	0.0			
40 1/2 BPSK	50	26	20.02	20.13	19.94		20.5	0.0		
40 1/2 BPSK	50	56	20.03	20.13	20.05		20.5	0.0		
40 1/2 BPSK	100	0	19.92	20.01	19.90					
40 QPSK	1	1	20.07	20.15	20.04					
40 QPSK	1	53	20.07	20.08	20.06		20.5	0.0		
40 QPSK	1	104	19.94	19.98	20.03					
40 QPSK	50	0	19.98	19.97	19.94		20.5	0.0		
40 QPSK	50	26	19.94	20.14	19.92					
40 QPSK	50	56	19.92	20.01	20.01		20.5	0.0		
40 QPSK	100	0	20.09	20.10	20.05					
40 16QAM	1	1	20.07	20.02	19.93		20.5	0.0		
40 16QAM	1	1	19.98	19.98	19.99		20.5	0.0		
40 256QAM	1	1	19.96	19.99	19.98		19.5	1.0		
Channel				517002	519000	520998	Tune-up	MPR		
Frequency (MHz)				2535.01	2555	2574.99	limit (dB)			
30 QPSK	1	1	19.95	19.99	19.93		20.5	0.0		
Channel				516604	519000	521496	Tune-up	MPR		
Frequency (MHz)				2532.52	2555	2577.48	limit (dB)			
25 QPSK	1	1	20.07	20.02	19.99		20.5	0.0		
Channel				516000	519000	522000	Tune-up	MPR		
Frequency (MHz)				2530	2555	2610	limit (dB)			
20 QPSK	1	1	20.03	20.11	20.02		20.5	0.0		
Channel				515602	519000	522498	Tune-up	MPR		
Frequency (MHz)				2517.51	2555	2612.49	limit (dB)			
15 QPSK	1	1	20.10	20.12	19.99		20.5	0.0		
Channel				515004	519000	522996	Tune-up	MPR		
Frequency (MHz)				2519.02	2555	2614.98	limit (dB)			
10 QPSK	1	1	19.93	20.06	19.95		20.5	0.0		

n41 Ant1 Main_PA DSI3										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				509202	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640				
100 1/2 BPSK	1	1	19.65	19.78	19.56		20.5	0.0		
100 1/2 BPSK	1	137	19.61	19.77	19.58					
100 1/2 BPSK	1	271	19.55	19.77	19.68					
100 1/2 BPSK	135	0	19.59	19.63	19.61		20.5	0.0		
100 1/2 BPSK	135	69	19.67	19.62	19.54		20.5	0.0		
100 1/2 BPSK	135	138	19.54	19.71	19.68		20.5	0.0		
100 1/2 BPSK	270	0	19.63	19.73	19.62					
100 QPSK	1	1	19.70	19.79	19.70					
100 QPSK	1	137	19.69	19.69	19.66		20.5	0.0		
100 QPSK	1	271	19.59	19.61	19.55					
100 QPSK	135	0	19.64	19.65	19.67		20.5	0.0		
100 QPSK	135	69	19.55	19.78	19.55		20.5	0.0		
100 QPSK	135	138	19.57	19.64	19.64		20.5	0.0		
100 QPSK	270	0	19.63	19.66	19.60					
100 16QAM	1	1	19.56	19.66	19.63		20.5	0.0		
100 64QAM	1	1	19.62	19.60	19.57		20.5	0.0		
100 256QAM	1	1	19.58	19.62	19.60		19.5	1.0		
Channel				508200	518598	528998	Tune-up	MPR		
Frequency (MHz)				2541	2592.99	2640	limit (dB)			
90 QPSK	1	1	19.67	19.63	19.61		20.5	0.0		
Channel				507204	518598	529998	Tune-up	MPR		
Frequency (MHz)				2539.02	2592.99	2640	limit (dB)			
80 QPSK	1	1	19.69	19.76	19.67		20.5	0.0		
Channel				506202	518598	531000	Tune-up	MPR		
Frequency (MHz)				2531.01	2592.99	2635	limit (dB)			
70 QPSK	1	1	19.57	19.60	19.57		20.5	0.0		
Channel				505200	518598	531996	Tune-up	MPR		
Frequency (MHz)				2526	2592.99	2639.98	limit (dB)			
60 QPSK	1	1	19.55	19.64	19.71		20.5	0.0		
Channel				504204	518598	532998	Tune-up	MPR		
Frequency (MHz)				2524.02	2592.99	2640	limit (dB)			
50 QPSK	1	1	19.59	19.78	19.58		20.5	0.0		
Channel				503202	518598	534000	Tune-up	MPR		
Frequency (MHz)				2518.01	2592.99	2630	limit (dB)			
40 QPSK	1	1	19.59	19.61	19.67		20.5	0.0		
Channel				502200	518598	534996	Tune-up	MPR		
Frequency (MHz)				2511	2592.99	2634.98	limit (dB)			
30 QPSK	1	1	19.61	19.74	19.61		20.5	0.0		
Channel				502200	518598	534996	Tune-up	MPR		
Frequency (MHz)				2511	2592.99	2634.98	limit (dB)			
25 QPSK	1	1	19.67	19.73	19.67		20.5	0.0		
Channel				501204	518598	535996	Tune-up	MPR		
Frequency (MHz)				2506.02	2592.99	2639.98	limit (dB)			
20 QPSK	1	1	19.67	19.65	19.70		20.5	0.0		
Channel				500700	518598	536496	Tune-up	MPR		
Frequency (MHz)				2503	2592.99	2639.98	limit (dB)			
15 QPSK	1	1	19.54	19.75	19.70		20.5	0.0		
Channel				500202	518598	537000	Tune-up	MPR		
Frequency (MHz)				2501.01	2592.99	2639	limit (dB)			
10 QPSK	1	1	19.58	19.67	19.59		20.5	0.0		

Part270 n77 Ant1 Main_PA DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100 1/2 BPSK	1	1	18.46	18.52	18.49		19.0	0.0		
100 1/2 BPSK	1	137	18.41	18.53	18.42					
100 1/2 BPSK	1	271	18.53	18.51	18.41					
100 1/2 BPSK	135	0	18.39	18.41	18.34		19.0	0.0		
100 1/2 BPSK	138	69	18.49	18.46	18.46		19.0	0.0		
100 1/2 BPSK	138	138	18.50	18.51	18.51		19.0	0.0		
100 1/2 BPSK	270	0	18.48	18.45	18.41					
100 QPSK	1	1	18.44	18.55	18.38					
100 QPSK	1	137	18.47	18.55	18.39		19.0	0.0		
100 QPSK	1	271	18.41	18.54	18.42					
100 QPSK	138	0	18.52	18.35	18.46		19.0	0.0		
100 QPSK	138	69	18.43	18.54	18.41		19.0	0.0		
100 QPSK	138	138	18.39	18.43	18.40		19.0	0.0		
100 QPSK	270	0	18.35	18.51	18.35					
100 16QAM	1	1	18.53	18.47	18.39		19.0	0.0		
100 64QAM	1	1	18.47	18.44	18.41		19.0	0.0		
100 256QAM	1	1	18.46	18.41	18.41		19.0	0.0		
Channel				649668	656000	662334	Tune-up	MPR		
Frequency (MHz)				3743.02	3840	3930.01	limit (dB)			
90 QPSK	1	1	18.53	18.41	18.37		19.0	0.0		
Channel				649633	656000	662300	Tune-up	MPR		
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)			
80 QPSK	1	1	18.46	18.51	18.40		19.0	0.0		
Channel				649330	656000	661990	Tune-up	MPR		
Frequency (MHz)				3735	3840	3945	limit (dB)			
70 QPSK	1	1	18.41	18.44	18.51		19.0	0.0		
Channel				649030	656000	661690	Tune-up	MPR		
Frequency (MHz)				3730.02	3840	3950.01	limit (dB)			
60 QPSK	1	1	18.44	18.50	18.38		19.0	0.0		
Channel				648730	656000	661390	Tune-up	MPR		
Frequency (MHz)				3725.01	3840	3955.02	limit (dB)			
50 QPSK	1	1	18.42	18.54	18.43		19.0	0.0		
Channel				648430	656000	661090	Tune-up	MPR		
Frequency (MHz)				3720	3840	3960	limit (dB)			
40 QPSK	1	1	18.41	18.54	18.48		19.0	0.0		
Channel				648130	656000	660790	Tune-up	MPR		
Frequency (MHz)				3715.02	3840	3965.01	limit (dB)			
30 QPSK	1	1	18.41	18.55	18.38		19.0	0.0		
Channel				647830	656000	660490	Tune-up	MPR		
Frequency (MHz)				3710.01	3840	3970.02	limit (dB)			
25 QPSK	1	1	18.42	18.45	18.53		19.0	0.0		
Channel				647433	656000	660168	Tune-up	MPR		
Frequency (MHz)				3710.01	3840	3970.02	limit (dB)			
20 QPSK	1	1	18.49	18.45	18.38		19.0	0.0		
Channel				647138	656000	659884	Tune-up	MPR		
Frequency (MHz)				3707.02	3840	3972.01	limit (dB)			
15 QPSK	1	1	18.47	18.53	18.35		19.0	0.0		
Channel				646840	656000	659590	Tune-up	MPR		
Frequency (MHz)				3703.01	3840	3975.02	limit (dB)			
10 QPSK	1	1	18.38	18.42	18.48		19.0	0.0		



Part27Q n77 Ant1 Main_PA DSI3									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	17.05				19.0	0.0
100	1/2 BPSK	1	137	17.03					
100	1/2 BPSK	1	271	17.02					
100	1/2 BPSK	135	0	17.04				19.0	0.0
100	1/2 BPSK	135	69	17.16				19.0	0.0
100	1/2 BPSK	135	138	17.03				19.0	0.0
100	1/2 BPSK	270	0	17.05				19.0	0.0
100	QPSK	1	1	17.17				19.0	0.0
100	QPSK	1	137	17.16					
100	QPSK	1	271	17.09					
100	QPSK	135	0	17.12				19.0	0.0
100	QPSK	135	69	17.13				19.0	0.0
100	QPSK	135	138	17.10				19.0	0.0
100	QPSK	270	0	17.04				19.0	0.0
100	16QAM	1	1	17.04				19.0	0.0
100	16QAM	1	1	17.06				19.0	0.0
100	256QAM	1	1	17.13				19.0	0.0
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
90	QPSK	1	1	17.07	17.04	17.09	19.0	0.0	0.0
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	17.04	17.03	17.09	19.0	0.0	0.0
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	17.10	17.04	17.09	19.0	0.0	0.0
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3460	3500.01	3530.02	limit (dB)		
60	QPSK	1	1	17.04	17.01	17.10	19.0	0.0	0.0
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3470.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	17.07	17.06	17.01	19.0	0.0	0.0
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	17.14	17.07	17.04	19.0	0.0	0.0
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	17.12	17.09	17.07	19.0	0.0	0.0
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3532.51	limit (dB)		
25	QPSK	1	1	17.09	17.07	17.03	19.0	0.0	0.0
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	17.11	17.07	17.08	19.0	0.0	0.0
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	17.06	17.07	17.05	19.0	0.0	0.0
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	17.08	17.03	17.06	19.0	0.0	0.0

Part27Q n77 Ant1 Main_PA DSI3 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	20.05				22.0	0.0
100	1/2 BPSK	1	137	20.06					
100	1/2 BPSK	1	271	20.03					
100	1/2 BPSK	135	0	20.02				22.0	0.0
100	1/2 BPSK	135	69	20.21				22.0	0.0
100	1/2 BPSK	135	138	20.01				22.0	0.0
100	1/2 BPSK	270	0	20.02				22.0	0.0
100	QPSK	1	1	20.22				22.0	0.0
100	QPSK	1	137	20.12					
100	QPSK	1	271	20.13					
100	QPSK	135	0	20.17				22.0	0.0
100	QPSK	135	69	20.18				22.0	0.0
100	QPSK	135	138	20.12				22.0	0.0
100	QPSK	270	0	19.66				22.0	0.0
100	16QAM	1	1	20.01				22.0	0.0
100	16QAM	1	1	20.07				22.0	0.0
100	256QAM	1	1	20.10				21.0	1.0
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
90	QPSK	1	1	20.02	20.09	20.02	22.0	0.0	0.0
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	20.12	20.05	20.05	22.0	0.0	0.0
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	20.04	20.04	20.15	22.0	0.0	0.0
Channel				632000	633334	634668	Tune-up MPR		
Frequency (MHz)				3460	3500.01	3530.02	limit (dB)		
60	QPSK	1	1	20.15	20.13	20.13	22.0	0.0	0.0
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3470.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	20.03	20.13	20.08	22.0	0.0	0.0
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	20.11	20.15	20.02	22.0	0.0	0.0
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	20.02	20.04	20.17	22.0	0.0	0.0
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3532.51	limit (dB)		
25	QPSK	1	1	20.02	20.01	20.10	22.0	0.0	0.0
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	20.09	20.05	20.13	22.0	0.0	0.0
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1	20.08	20.08	20.12	22.0	0.0	0.0
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	20.11	20.01	20.17	22.0	0.0	0.0

Part27Q n78 Ant1 Main_PA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	17.09			18.5		0.0
100	1/2 BPSK	1	137	17.03					
100	1/2 BPSK	1	271	16.95					
100	1/2 BPSK	135	0	17.02			18.5		0.0
100	1/2 BPSK	135	69	16.95			18.5		0.0
100	1/2 BPSK	135	138	17.09			18.5		0.0
100	1/2 BPSK	270	0	16.95			18.5		0.0
100	QPSK	1	1	17.14			18.5		0.0
100	QPSK	1	137	17.12					
100	QPSK	1	271	16.94					
100	QPSK	135	0	17.11			18.5		0.0
100	QPSK	135	69	17.12			18.5		0.0
100	QPSK	135	138	16.96			18.5		0.0
100	QPSK	270	0	16.97			18.5		0.0
100	16QAM	1	1	17.06			18.5		0.0
100	16QAM	1	1	17.10			18.5		0.0
100	256QAM	1	1	17.10			18.5		0.0
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit		
90	QPSK	1	1	17.12	16.98	16.95	18.5		0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	17.00	17.00	16.97	18.5		0.0
Channel				648999	650000	650999	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	17.00	17.11	17.00	18.5		0.0
Channel				648665	650000	651333	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	17.09	17.02	16.96	18.5		0.0
Channel				648331	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
50	QPSK	1	1	16.95	17.08	17.04	18.5		0.0
Channel				647997	650000	652333	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	17.08	17.04	17.05	18.5		0.0
Channel				647663	650000	652668	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
30	QPSK	1	1	17.10	17.05	17.02	18.5		0.0
Channel				647329	650000	652999	Tune-up	MPR	
Frequency (MHz)				3710	3750	3790	limit (dB)		
25	QPSK	1	1	17.05	17.09	16.94	18.5		0.0
Channel				646995	650000	653333	Tune-up	MPR	
Frequency (MHz)				3705.01	3750	3800.02	limit (dB)		
20	QPSK	1	1	17.04	17.15	17.01	18.5		0.0
Channel				646661	650000	653668	Tune-up	MPR	
Frequency (MHz)				3700	3750	3825.54	limit (dB)		
15	QPSK	1	1	16.97	17.07	16.95	18.5		0.0
Channel				646327	650000	654000	Tune-up	MPR	
Frequency (MHz)				3695	3750	3850	limit (dB)		
10	QPSK	1	1	16.94	17.02	17.04	18.5		0.0

Part27Q n78 Ant1 Main_PA DSI3

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (m)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		16.72			18.5 0.0
100	1/2 BPSK	1	137		16.77			
100	1/2 BPSK	1	271		16.84			
100	1/2 BPSK	135	0		16.76			18.5 0.0
100	1/2 BPSK	135	69		16.86			18.5 0.0
100	1/2 BPSK	135	138		16.70			18.5 0.0
100	1/2 BPSK	270	0		16.79			18.5 0.0
100	QPSK	1	1		16.68			
100	QPSK	1	137		16.74			18.5 0.0
100	QPSK	1	271		16.74			
100	QPSK	135	0		16.74			18.5 0.0
100	QPSK	135	69		16.82			18.5 0.0
100	QPSK	135	138		16.79			18.5 0.0
100	QPSK	270	0		16.75			18.5 0.0
100	16QAM	1	1		16.81			18.5 0.0
100	16QAM	1	1		16.86			18.5 0.0
100	256QAM	1	1		16.67			18.5 0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)
90	QPSK	1	1		16.67	16.72	16.84	18.5 0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	lim	(dB)
80	QPSK	1	1		16.72	16.72	16.72	18.5 0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	lim	(dB)
70	QPSK	1	1		16.67	16.62	16.70	18.5 0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3490	3500.01	3500.02	lim	(dB)
60	QPSK	1	1		16.68	16.62	16.63	18.5 0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	lim	(dB)
50	QPSK	1	1		16.70	16.74	16.74	18.5 0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	lim	(dB)
40	QPSK	1	1		16.71	16.82	16.78	18.5 0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.03	lim	(dB)
30	QPSK	1	1		16.78	16.73	16.70	18.5 0.0
Channel				630634	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	lim	(dB)
25	QPSK	1	1		16.70	16.84	16.83	18.5 0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	lim	(dB)
20	QPSK	1	1		16.74	16.74	16.81	18.5 0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	lim	(dB)
15	QPSK	1	1		16.78	16.78	16.72	18.5 0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	lim	(dB)
10	QPSK	1	1		16.73	16.83	16.82	18.5 0.0

Part27Q n78 Ant1 Main_PA DSI3 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (m)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		19.80			21.5 0.0
100	1/2 BPSK	1	137		19.85			
100	1/2 BPSK	1	271		19.76			
100	1/2 BPSK	135	0		19.71			21.5 0.0
100	1/2 BPSK	135	69		19.80			21.5 0.0
100	1/2 BPSK	135	138		19.70			21.5 0.0
100	1/2 BPSK	270	0		19.75			21.5 0.0
100	QPSK	1	1		19.63			
100	QPSK	1	137		19.74			21.5 0.0
100	QPSK	1	271		19.81			
100	QPSK	135	0		19.77			21.5 0.0
100	QPSK	135	69		19.85			21.5 0.0
100	QPSK	135	138		19.84			21.5 0.0
100	QPSK	270	0		19.71			21.5 0.0
100	16QAM	1	1		19.76			21.5 0.0
100	16QAM	1	1		19.87			21.5 0.0
100	256QAM	1	1		19.92			21.0 0.5
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)
90	QPSK	1	1		19.67	19.60	19.81	21.5 0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	lim	(dB)
80	QPSK	1	1		19.65	19.67	19.81	21.5 0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	lim	(dB)
70	QPSK	1	1		19.68	19.63	19.69	21.5 0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3490	3500.01	3500.02	lim	(dB)
60	QPSK	1	1		19.71	19.84	19.78	21.5 0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	lim	(dB)
50	QPSK	1	1		19.68	19.81	19.80	21.5 0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	lim	(dB)
40	QPSK	1	1		19.60	19.74	19.81	21.5 0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.03	lim	(dB)
30	QPSK	1	1		19.72	19.86	19.81	21.5 0.0
Channel				630634	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	lim	(dB)
25	QPSK	1	1		19.72	19.79	19.86	21.5 0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	lim	(dB)
20	QPSK	1	1		19.72	19.77	19.76	21.5 0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	lim	(dB)
15	QPSK	1	1		19.71	19.82	19.82	21.5 0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	lim	(dB)
10	QPSK	1	1		19.60	19.85	19.79	21.5 0.0



Part270 n77 Ant8 Main_PA DSI3										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	1/2 BPSK	1	1	20.12	20.22	20.21		21.5	0.0	
100	1/2 BPSK	1	137	20.09	20.18	20.12				
100	1/2 BPSK	1	271	20.09	20.17	20.15				
100	1/2 BPSK	135	0	19.66	19.73	19.65	21.5	0.0		
100	1/2 BPSK	135	69	20.18	20.26	20.23				
100	1/2 BPSK	135	138	20.12	20.18	20.09		21.5	0.0	
100	1/2 BPSK	270	0	20.08	20.15	20.10	21.5	0.0		
100	QPSK	1	1	20.35	20.37	20.26				
100	QPSK	1	137	20.19	20.28	20.20		21.5	0.0	
100	QPSK	1	271	20.16	20.26	20.19				
100	QPSK	135	0	20.24	20.27	20.21		21.5	0.0	
100	QPSK	135	69	20.28	20.34	20.32				
100	QPSK	135	138	20.28	20.33	20.31		21.5	0.0	
100	QPSK	270	0	20.22	20.31	20.21				
100	16QAM	1	1	20.06	20.15	20.06	21.5	0.0		
100	16QAM	1	1	19.80	19.81	19.73	21.0	0.5		
100	256QAM	1	1	17.68	17.73	17.66	19.0	2.5		
Channel				649688	656000	662334	Tune-up limit (dB)	MPR		
90	QPSK	1	1	20.33	20.30	20.22	21.5	0.0		
Channel				649334	656000	662668	Tune-up limit (dB)	MPR		
80	QPSK	1	1	20.25	20.31	20.24	21.5	0.0		
Channel				649000	656000	663000	Tune-up limit (dB)	MPR		
70	QPSK	1	1	20.30	20.34	20.23	21.5	0.0		
Channel				648668	656000	663334	Tune-up limit (dB)	MPR		
60	QPSK	1	1	20.33	20.34	20.22	21.5	0.0		
Channel				648334	656000	663668	Tune-up limit (dB)	MPR		
50	QPSK	1	1	20.33	20.32	20.19	21.5	0.0		
Channel				648000	656000	664000	Tune-up limit (dB)	MPR		
40	QPSK	1	1	20.32	20.32	20.18	21.5	0.0		
Channel				647668	656000	664334	Tune-up limit (dB)	MPR		
30	QPSK	1	1	20.24	20.35	20.26	21.5	0.0		
Channel				647334	656000	664500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	20.29	20.32	20.19	21.5	0.0		
Channel				647334	656000	664668	Tune-up limit (dB)	MPR		
20	QPSK	1	1	20.31	20.32	20.24	21.5	0.0		
Channel				647168	656000	664834	Tune-up limit (dB)	MPR		
15	QPSK	1	1	20.30	20.34	20.24	21.5	0.0		
Channel				647000	656000	665000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	20.32	20.35	20.21	21.5	0.0		

Part270 n77 Ant8 Main_PA DSI3 PC2										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	1/2 BPSK	1	1	23.00	23.06	22.98	24.0	0.0		
100	1/2 BPSK	1	137	22.86	22.95	22.87				
100	1/2 BPSK	1	271	22.94	23.01	22.98				
100	1/2 BPSK	135	0	22.71	22.75	22.65	23.5	0.5		
100	1/2 BPSK	135	69	22.70	22.71	22.63	24.0	0.0		
100	1/2 BPSK	135	138	22.92	22.95	22.94	23.5	0.5		
100	1/2 BPSK	270	0	22.98	23.07	23.01				
100	QPSK	1	1	23.09	23.15	23.09				
100	QPSK	1	137	23.08	23.11	23.05	24.0	0.0		
100	QPSK	1	271	23.04	23.06	23.04				
100	QPSK	135	0	22.51	22.53	22.45	23.0	1.0		
100	QPSK	135	69	22.90	22.91	22.85	24.0	0.0		
100	QPSK	135	138	22.50	22.51	22.45	23.0	1.0		
100	QPSK	270	0	22.51	22.58	22.50				
100	16QAM	1	1	22.09	22.18	22.12	23.0	1.0		
100	64QAM	1	1	20.73	20.77	20.70	21.5	2.5		
100	256QAM	1	1	19.63	19.68	19.63	19.5	4.5		
Channel				649688	656000	662334	Tune-up limit (dB)	MPR		
90	QPSK	1	1	23.07	23.12	23.07	24.0	0.0		
Channel				649334	656000	662668	Tune-up limit (dB)	MPR		
80	QPSK	1	1	23.02	23.12	23.05	24.0	0.0		
Channel				649000	656000	663000	Tune-up limit (dB)	MPR		
70	QPSK	1	1	23.04	23.12	23.02	24.0	0.0		
Channel				648668	656000	663334	Tune-up limit (dB)	MPR		
60	QPSK	1	1	22.99	23.05	23.05	24.0	0.0		
Channel				648334	656000	663668	Tune-up limit (dB)	MPR		
50	QPSK	1	1	23.07	23.14	23.08	24.0	0.0		
Channel				648000	656000	664000	Tune-up limit (dB)	MPR		
40	QPSK	1	1	23.07	23.07	23.04	24.0	0.0		
Channel				647668	656000	664334	Tune-up limit (dB)	MPR		
30	QPSK	1	1	23.00	23.11	22.99	24.0	0.0		
Channel				647334	656000	664500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	22.98	23.13	23.03	24.0	0.0		
Channel				647334	656000	664668	Tune-up limit (dB)	MPR		
20	QPSK	1	1	22.99	23.11	23.07	24.0	0.0		
Channel				647168	656000	664834	Tune-up limit (dB)	MPR		
15	QPSK	1	1	22.98	23.07	23.02	24.0	0.0		
Channel				647000	656000	665000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	23.02	23.10	23.06	24.0	0.0		

Part27Q n77 Ant8 Main_PA DSI3										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3500.01	3500.01	3500.01				
100	1/2 BPSK	1	1	19.85			21.5	0.0		
100	1/2 BPSK	1	137	19.87						
100	1/2 BPSK	1	271	19.87						
100	1/2 BPSK	135	0	19.91			21.5	0.0		
100	1/2 BPSK	135	69	19.74						
100	1/2 BPSK	135	138	19.71			21.5	0.0		
100	1/2 BPSK	270	0	19.70						
100	QPSK	1	1	20.00						
100	QPSK	1	137	19.83			21.5	0.0		
100	QPSK	1	271	19.85						
100	QPSK	135	0	19.92			21.5	0.0		
100	QPSK	135	69	19.98						
100	QPSK	135	138	19.91			21.5	0.0		
100	QPSK	270	0	19.90						
100	16QAM	1	1	19.92			21.5	0.0		
100	64QAM	1	1	19.35			21.0	0.5		
100	256QAM	1	1	17.29			19.0	2.5		
Channel				633000	633334	633668	Tune-up limit (dB)	MPR		
90	QPSK	1	1	19.91	19.93	19.98	21.5	0.0		
Channel				632668	633334	634000	Tune-up limit (dB)	MPR		
80	QPSK	1	1	19.92	19.91	19.90	21.5	0.0		
Channel				632334	633334	634334	Tune-up limit (dB)	MPR		
70	QPSK	1	1	19.93	19.92	19.95	21.5	0.0		
Channel				632000	633334	634668	Tune-up limit (dB)	MPR		
60	QPSK	1	1	19.92	19.91	19.90	21.5	0.0		
Channel				631668	633334	635000	Tune-up limit (dB)	MPR		
50	QPSK	1	1	19.97	19.98	19.91	21.5	0.0		
Channel				631334	632334	632668	Tune-up limit (dB)	MPR		
40	QPSK	1	1	19.97	19.98	19.91	21.5	0.0		
Channel				631000	633334	632934	Tune-up limit (dB)	MPR		
30	QPSK	1	1	19.91	19.91	19.91	21.5	0.0		
Channel				630534	633334	630934	Tune-up limit (dB)	MPR		
25	QPSK	1	1	19.92	19.92	19.92	21.5	0.0		
Channel				630068	633334	630600	Tune-up limit (dB)	MPR		
20	QPSK	1	1	19.92	19.92	19.92	21.5	0.0		
Channel				630000	633334	630434	Tune-up limit (dB)	MPR		
15	QPSK	1	1	19.92	19.92	19.92	21.5	0.0		
Channel				630034	633334	630334	Tune-up limit (dB)	MPR		
10	QPSK	1	1	19.89	19.90	19.94	21.5	0.0		



Part270 n78 Ant8 Main_PA 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)				3750					
100	1/2 BPSK	1	1	20.04				21.5	0.0
100	1/2 BPSK	1	137	20.16					
100	1/2 BPSK	1	271	20.13				21.5	0.0
100	1/2 BPSK	135	0	20.19					
100	1/2 BPSK	135	69	20.10				21.5	0.0
100	1/2 BPSK	135	138	20.09				21.5	0.0
100	1/2 BPSK	270	0	20.33					
100	QPSK	1	1	20.38				21.5	0.0
100	QPSK	1	137	20.20					
100	QPSK	1	271	20.18				21.5	0.0
100	QPSK	135	0	19.92					
100	QPSK	135	69	20.21				21.5	0.0
100	QPSK	135	138	20.07				21.5	0.0
100	QPSK	270	0	20.03					
100	16QAM	1	1	20.11				21.5	0.0
100	64QAM	1	1	20.17				21.0	0.5
100	256QAM	1	1	19.67				19.0	2.5
Channel									
Frequency (MHz)				649668	650000	650334	Tune-up MPR		
90	QPSK	1	1	20.37	20.32	20.35	21.5 0.0		
Channel									
Frequency (MHz)				649334	650000	650668	Tune-up MPR		
80	QPSK	1	1	20.34	20.34	20.28	21.5 0.0		
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up MPR		
70	QPSK	1	1	20.33	20.33	20.34	21.5 0.0		
Channel									
Frequency (MHz)				648668	650000	651334	Tune-up MPR		
60	QPSK	1	1	20.33	20.28	20.31	21.5 0.0		
Channel									
Frequency (MHz)				648334	650000	651668	Tune-up MPR		
50	QPSK	1	1	20.29	20.32	20.34	21.5 0.0		
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up MPR		
40	QPSK	1	1	20.31	20.33	20.36	21.5 0.0		
Channel									
Frequency (MHz)				647668	650000	652334	Tune-up MPR		
30	QPSK	1	1	20.32	20.27	20.33	21.5 0.0		
Channel									
Frequency (MHz)				647500	650000	652500	Tune-up MPR		
25	QPSK	1	1	20.35	20.37	20.32	21.5 0.0		
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up MPR		
20	QPSK	1	1	20.34	20.32	20.33	21.5 0.0		
Channel									
Frequency (MHz)				647168	650000	652834	Tune-up MPR		
15	QPSK	1	1	20.36	20.27	20.32	21.5 0.0		
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up MPR		
10	QPSK	1	1	20.37	20.29	20.29	21.5 0.0		

Part270 n78 Ant8 Main_PA DSI3 PC2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				3750						
100	1/2 BPSK	1	1	23.31			24.0	0.0		
100	1/2 BPSK	1	137	23.29						
100	1/2 BPSK	1	271	22.50				23.5	0.5	
100	1/2 BPSK	135	0	22.56						
100	1/2 BPSK	135	69	23.25				24.0	0.0	
100	1/2 BPSK	135	138	22.90				23.5	0.5	
100	1/2 BPSK	270	0	22.97						
100	QPSK	1	1	23.38				24.0	0.0	
100	QPSK	1	137	23.35						
100	QPSK	1	271	23.25				23.0	1.0	
100	QPSK	135	0	22.47						
100	QPSK	135	69	22.46				24.0	0.0	
100	QPSK	135	138	22.46				23.0	1.0	
100	QPSK	270	0	22.47						
100	16QAM	1	1	22.39				23.0	1.0	
100	64QAM	1	1	19.61				21.5	2.5	
100	256QAM	1	1	19.90				19.5	4.5	
Channel										
Frequency (MHz)				649668	650000	650334	Tune-up MPR			
90	QPSK	1	1	23.33	23.31	23.37		24.0	0.0	
Channel										
Frequency (MHz)				649334	650000	650668	Tune-up MPR			
80	QPSK	1	1	23.30	23.33	23.31		24.0	0.0	
Channel										
Frequency (MHz)				649000	650000	651000	Tune-up MPR			
70	QPSK	1	1	23.32	23.37	23.30		24.0	0.0	
Channel										
Frequency (MHz)				648668	650000	651334	Tune-up MPR			
60	QPSK	1	1	23.31	23.31	23.33		24.0	0.0	
Channel										
Frequency (MHz)				648334	650000	651668	Tune-up MPR			
50	QPSK	1	1	23.33	23.29	23.37		24.0	0.0	
Channel										
Frequency (MHz)				648000	650000	652000	Tune-up MPR			
40	QPSK	1	1	23.35	23.35	23.32		24.0	0.0	
Channel										
Frequency (MHz)				647668	650000	652334	Tune-up MPR			
30	QPSK	1	1	23.37	23.28	23.35		24.0	0.0	
Channel										
Frequency (MHz)				647500	650000	652500	Tune-up MPR			
25	QPSK	1	1	23.31	23.36	23.35		24.0	0.0	
Channel										
Frequency (MHz)				647334	650000	652668	Tune-up MPR			
20	QPSK	1	1	23.33	23.32	23.33		24.0	0.0	
Channel										
Frequency (MHz)				647168	650000	652834	Tune-up MPR			
15	QPSK	1	1	23.29	23.37	23.34		24.0	0.0	
Channel										
Frequency (MHz)				647000	650000	653000	Tune-up MPR			
10	QPSK	1	1	23.38	23.32	23.36		24.0	0.0	

Part27Q n78 Ant8 Main_PA DSI3									
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	19.96			21.5		
100	1/2 BPSK	1	137	19.76					
100	1/2 BPSK	1	271	19.92			21.5		
100	1/2 BPSK	135	0	19.78					
100	1/2 BPSK	135	69	19.71			21.5	0.0	
100	1/2 BPSK	135	138	19.97			21.5	0.0	
100	1/2 BPSK	270	0	19.80					
100	QPSK	1	1	19.82			21.5	0.0	
100	QPSK	1	137	19.71					
100	QPSK	1	271	19.67			21.5	0.0	
100	QPSK	135	0	19.84					
100	QPSK	135	69	19.69			21.5	0.0	
100	QPSK	135	138	19.62			21.5	0.0	
100	QPSK	270	0	19.83					
100	16QAM	1	1	18.66			21.5	0.0	
100	64QAM	1	1	19.58			21.0	0.5	
100	256QAM	1	1	18.05			19.0	2.5	
Channel									
Frequency (MHz)	633000	633334	633668	Tune-up MPR					
90	QPSK	1	1	3495	3500.01	3503.02	limit (dB)		
Channel									
Frequency (MHz)	632668	633334	3490.02	3500.01	3510	limit (dB)			
80	QPSK	1	1	19.77	19.80	19.76	21.5	0.0	
Channel									
Frequency (MHz)	633334	633334	3485.01	3500.01	3515.01	limit (dB)			
70	QPSK	1	1	19.76	19.73	19.77	21.5	0.0	
Channel									
Frequency (MHz)	633334	633334	3480	3500.01	3520.02	limit (dB)			
60	QPSK	1	1	19.79	19.73	19.76	21.5	0.0	
Channel									
Frequency (MHz)	633334	633334	3475.02	3500.01	3525	limit (dB)			
50	QPSK	1	1	19.77	19.73	19.72	21.5	0.0	
Channel									
Frequency (MHz)	633334	633334	3470.01	3500.01	3530.01	limit (dB)			
40	QPSK	1	1	19.75	19.73	19.73	21.5	0.0	
Channel									
Frequency (MHz)	631000	633334	3465	3500.01	3535.02	limit (dB)			
30	QPSK	1	1	19.74	19.73	19.77	21.5	0.0	
Channel									
Frequency (MHz)	630834	633334	3460.84	3500.01	3538.84	Tune-up MPR			
25	QPSK	1	1	3462.51	3500.01	3537.51	limit (dB)		
Channel									
Frequency (MHz)	631334	633334	19.75	19.73	19.71	21.5	0.0		
Channel									
Frequency (MHz)	630668	633334	3460.00	3500.01	3540.00	Tune-up MPR			
20	QPSK	1	1	3460.02	3500.01	3540	limit (dB)		
Channel									
Frequency (MHz)	630500	633334	3461.66	3500.01	3541.66	Tune-up MPR			
15	QPSK	1	1	3458.75	3500.01	3538.75	limit (dB)		
Channel									
Frequency (MHz)	630334	633334	3463.34	3500.01	3543.34	Tune-up MPR			
10	QPSK	1	1	3457.00	3500.01	3537.00	limit (dB)		
Channel									
Frequency (MHz)	630177	633334	3464.77	3500.01	3544.77	Tune-up MPR			

Reduced Power Mode for NSA DSI 4

n7 Ant0 Main_PA 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				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	15.77	15.82	15.78		16.5	0.0	
40	1/2 BPSK	1	108	15.77	15.82	15.81				
40	1/2 BPSK	1	214	15.78	15.79	15.80				
40	1/2 BPSK	108	0	15.77	15.80	15.79	16.5			
40	1/2 BPSK	108	54	15.74	15.83	15.81	16.5	0.0	0.0	
40	1/2 BPSK	108	108	15.74	15.79	15.78				
40	1/2 BPSK	216	0	15.75	15.84	15.80				
40	QPSK	1	1	15.77	15.80	15.84				
40	QPSK	1	108	15.77	15.82	15.79	16.5	0.0	0.0	
40	QPSK	1	214	15.72	15.81	15.81				
40	QPSK	108	0	15.75	15.84	15.83	16.5			
40	QPSK	108	54	15.78	15.85	15.81	16.5			
40	QPSK	108	108	15.74	15.81	15.78		0.0	0.0	
40	QPSK	216	0	15.75	15.85	15.84				
40	16QAM	1	1	15.75	15.85	15.84	16.5			
40	16QAM	1	1	15.75	15.83	15.82	16.5	0.0	0.0	
40	16QAM	1	1	15.74	15.83	15.81	16.5			
Channel				503500	507000	510500	Tune-up MPR			
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)			
35	QPSK	1	1	15.74	15.84	15.77	16.5	0.0	0.0	
Channel				503000	507000	511000	Tune-up MPR			
Frequency (MHz)				2515	2535	2555	limit (dB)			
30	QPSK	1	1	15.68	15.80	15.79	16.5			
Channel				502500	507000	511500	Tune-up MPR			
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)			
25	QPSK	1	1	15.72	15.86	15.81	16.5	0.0	0.0	
Channel				502000	507000	512000	Tune-up MPR			
Frequency (MHz)				2510	2535	2560	limit (dB)			
20	1/2 BPSK	1	1	15.68	15.84	15.80	16.5			
Channel				501500	507000	512500	Tune-up MPR			
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)			
15	QPSK	1	1	15.68	15.82	15.80	16.5	0.0	0.0	
Channel				501000	507000	513000	Tune-up MPR			
Frequency (MHz)				2505	2535	2565	limit (dB)			
10	QPSK	1	1	15.61	15.81	15.78	16.5			
Channel				500500	507000	513500	Tune-up MPR			
Frequency (MHz)				2502.5	2535	2592.5	limit (dB)			
5	QPSK	1	1	15.61	15.53	15.51	16.5			

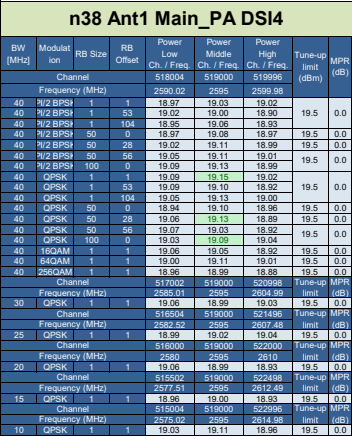
n66 Ant0 Other_PA DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	13.19	13.31	13.28		13.7	0.0	
40	1/2 BPSK	1	108	13.24	13.26	13.27				
40	1/2 BPSK	1	214	13.21	13.29	13.29				
40	1/2 BPSK	108	0	13.24	13.28	13.27	13.7			
40	1/2 BPSK	108	54	13.24	13.29	13.30	13.7	0.0	0.0	
40	1/2 BPSK	108	108	13.24	13.30	13.29				
40	1/2 BPSK	216	0	13.22	13.27	13.24	13.7			
40	QPSK	1	1	13.20	13.35	13.25				
40	QPSK	1	108	13.22	13.27	13.24	13.7	0.0	0.0	
40	QPSK	1	214	13.21	13.32	13.24				
40	QPSK	108	0	13.25	13.26	13.27	13.7			
40	QPSK	108	54	13.23	13.34	13.26	13.7			
40	QPSK	108	108	13.24	13.29	13.27		0.0	0.0	
40	QPSK	216	0	13.25	13.29	13.24	13.7			
40	16QAM	1	1	13.23	13.27	13.25	13.7			
40	16QAM	1	1	13.20	13.31	13.25	13.7	0.0	0.0	
40	16QAM	1	1	13.25	13.26	13.28	13.7			
Channel				345500	349000	352500	Tune-up MPR			
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)			
35	QPSK	1	1	13.17	13.27	13.22	13.7	0.0	0.0	
Channel				345000	349000	353000	Tune-up MPR			
Frequency (MHz)				1725	1745	1765	limit (dB)			
30	QPSK	1	1	13.12	13.30	13.19	13.7			
Channel				344500	349000	353500	Tune-up MPR			
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)			
25	QPSK	1	1	13.16	13.28	13.17	13.7	0.0	0.0	
Channel				344000	349000	354000	Tune-up MPR			
Frequency (MHz)				1720	1745	1770	limit (dB)			
20	QPSK	1	1	13.11	13.29	13.16	13.7			
Channel				343500	349000	354500	Tune-up MPR			
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)			
15	QPSK	1	1	13.13	13.28	13.16	13.7	0.0	0.0	
Channel				343000	349000	355000	Tune-up MPR			
Frequency (MHz)				1715	1745	1775	limit (dB)			
10	QPSK	1	1	13.12	13.28	13.20	13.7			
Channel				342500	349000	355500	Tune-up MPR			
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)			
5	QPSK	1	1	13.16	13.28	13.20	13.7			

n38 Ant0 Main_PA DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	15.80	15.87	15.78	16.0	0.0
40	1/2 BPSK	1	53	15.79	15.84	15.80	16.0	0.0
40	1/2 BPSK	1	104	15.78	15.84	15.77	16.0	0.0
40	1/2 BPSK	50	0	15.78	15.88	15.77	16.0	0.0
40	1/2 BPSK	50	28	15.82	15.85	15.75	16.0	0.0
40	1/2 BPSK	50	56	15.80	15.85	15.78	16.0	0.0
40	1/2 BPSK	100	0	15.79	15.83	15.76	16.0	0.0
40	QPSK	1	1	15.77	15.80	15.80	16.0	0.0
40	QPSK	1	53	15.80	15.85	15.78	16.0	0.0
40	QPSK	1	104	15.79	15.83	15.76	16.0	0.0
40	QPSK	50	0	15.82	15.87	15.77	16.0	0.0
40	QPSK	50	28	15.81	15.88	15.77	16.0	0.0
40	QPSK	50	56	15.79	15.83	15.78	16.0	0.0
40	QPSK	100	0	15.80	15.85	15.75	16.0	0.0
40	16QAM	1	1	15.79	15.86	15.76	16.0	0.0
40	64QAM	1	1	15.80	15.82	15.77	16.0	0.0
40	256QAM	1	1	15.80	15.83	15.78	16.0	0.0
Channel				517002	519000	520998	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	2583.01	2595	2604.99	16.0	0.0
Channel				516504	519000	521498	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	2592.52	2595	2607.48	16.0	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	2590	2595	2610	16.0	0.0
Channel				515502	519000	522498	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	2577.51	2595	2612.49	16.0	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	2575.02	2595	2614.98	16.0	0.0

n41 Ant0 Main_PA DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	16.00	16.09	16.05		
100	1/2 BPSK	1	137	16.02	16.08	16.08	16.5	0.0
100	1/2 BPSK	1	271	15.99	16.08	16.08	16.5	0.0
100	1/2 BPSK	135	0	16.02	16.06	16.04	16.5	0.0
100	1/2 BPSK	135	69	16.02	16.07	16.06	16.5	0.0
100	1/2 BPSK	135	138	16.04	16.07	16.07	16.5	0.0
100	1/2 BPSK	270	0	15.99	16.08	16.08	16.5	0.0
100	QPSK	1	1	16.01	16.11	16.08	16.5	0.0
100	QPSK	1	137	16.04	16.06	16.04	16.5	0.0
100	QPSK	1	271	16.00	16.08	16.06	16.5	0.0
100	QPSK	135	0	16.03	16.10	16.06	16.5	0.0
100	QPSK	135	69	16.02	16.09	16.09	16.5	0.0
100	QPSK	135	138	16.02	16.09	16.08	16.5	0.0
100	QPSK	270	0	16.02	16.08	16.08	16.5	0.0
100	16QAM	1	1	16.03	16.05	16.05	16.5	0.0
100	64QAM	1	1	16.02	16.05	16.07	16.5	0.0
100	256QAM	1	1	16.02	16.10	16.03	16.5	0.0
Channel				508200	518598	528996	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	2541	2602.99	2647.98	16.5	0.0
Channel				507204	518598	529998	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	2538.02	2602.99	2648.99	16.5	0.0
Channel				506202	518598	531000	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	2531.01	2602.99	2655	16.5	0.0
Channel				505200	518598	531996	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	2526	2611	2659.98	16.5	0.0
Channel				504204	518598	532998	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	2521.02	2602.99	2654.99	16.5	0.0
Channel				503202	518598	534000	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	2516.01	2602.99	2670	16.5	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	2511	2602.99	2674.98	16.5	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	2506.02	2602.99	2679.99	16.5	0.0
Channel				500700	518598	536496	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	2501.5	2602.99	2683.48	16.5	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	2491.01	2602.99	2685	16.5	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	2481.01	2602.99	2685	16.5	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	2471.01	2602.99	2685	16.5	0.0

n7 Ant1 Main_PA 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	19.55	19.63	19.68	20.5	0.0
40	1/2 BPSK	1	108	19.64	19.80	19.80		
40	1/2 BPSK	1	214	19.61	19.64	19.63		
40	1/2 BPSK	108	0	19.57	19.77	19.54	20.5	0.0
40	1/2 BPSK	108	54	19.66	19.72	19.70	20.5	0.0
40	1/2 BPSK	108	108	19.63	19.64	19.57	20.5	0.0
40	1/2 BPSK	216	0	19.66	19.74	19.53	20.5	0.0
40	QPSK	1	1	19.71	19.81	19.82	20.5	0.0
40	QPSK	1	108	19.64	19.70	19.56		
40	QPSK	1	214	19.69	19.75	19.64		
40	QPSK	108	0	19.57	19.68	19.69	20.5	0.0
40	QPSK	108	54	19.55	19.78	19.57	20.5	0.0
40	QPSK	108	108	19.63	19.76	19.64	20.5	0.0
40	QPSK	216	0	19.63	19.77	19.69	20.5	0.0
40	16QAM	1	1	19.69	19.78	19.70	20.5	0.0
40	16QAM	1	1	19.55	19.74	19.59	20.5	0.0
40	256QAM	1	1	19.12	19.22	19.17	20.0	0.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)	(dB)
35	QPSK	1	1	19.77	19.70	19.60	20.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit (dB)	(dB)
30	QPSK	1	1	19.62	19.76	19.55	20.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	(dB)
25	QPSK	1	1	19.65	19.79	19.53	20.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit (dB)	(dB)
20	1/2 BPSK	1	1	19.50	19.64	19.68	20.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	(dB)
15	QPSK	1	1	19.61	19.67	19.57	20.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit (dB)	(dB)
10	QPSK	1	1	19.55	19.72	19.59	20.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)	(dB)
5	QPSK	1	1	19.65	19.74	19.66	20.5	0.0

n66 Ant1 Other PA DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	19.06	19.18	19.13	19.7	0.0
40	1/2 BPSK	1	108	19.12	19.15	19.09		
40	1/2 BPSK	1	214	19.10	19.15	19.11		
40	1/2 BPSK	108	0	19.05	19.19	19.10	19.7	0.0
40	1/2 BPSK	108	54	19.08	19.11	19.12	19.7	0.0
40	1/2 BPSK	108	108	19.09	19.14	19.13	19.7	0.0
40	1/2 BPSK	216	0	19.06	19.13	19.10	19.7	0.0
40	QPSK	1	1	19.19	19.26	19.21	19.7	0.0
40	QPSK	1	108	19.12	19.18	19.13		
40	QPSK	1	214	19.10	19.20	19.10		
40	QPSK	108	0	19.11	19.19	19.09	19.7	0.0
40	QPSK	108	54	19.12	19.22	19.15	19.7	0.0
40	QPSK	108	108	19.09	19.16	19.13	19.7	0.0
40	QPSK	216	0	19.15	19.18	19.13	19.7	0.0
40	16QAM	1	1	19.10	19.17	19.10	19.7	0.0
40	16QAM	1	1	19.14	19.19	19.10	19.7	0.0
40	256QAM	1	1	19.12	19.15	19.11	19.7	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	(dB)
35	QPSK	1	1	19.16	19.22	19.18	19.7	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	(dB)
30	QPSK	1	1	19.16	19.18	19.14	19.7	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	(dB)
25	QPSK	1	1	19.12	19.22	19.16	19.7	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	(dB)
20	QPSK	1	1	19.16	19.22	19.14	19.7	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	(dB)
15	QPSK	1	1	19.14	19.22	19.16	19.7	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	(dB)
10	QPSK	1	1	19.15	19.13	19.15	19.7	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	(dB)
5	QPSK	1	1	19.06	19.03	19.05	19.7	0.0



n41 Ant1 Main_PA DSI4									
RW	Module	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up (ms)	MPR (dB)	
	Channel			590202	518598	526000			
	Frequency (MHz)			2546.01	2552.99	2600.00			
100	1/2 BPSK	1	1	18.55	18.61	18.55			
100	QPSK	1	137	18.55	18.62	18.57	19.5		
100	1/2 BPSK	1	271	18.55	18.62	18.57			
100	QPSK	135	0	18.56	18.67	18.55			
100	QPSK	135	69	18.56	18.67	18.57			
100	1/2 BPSK	135	136	18.55	18.62	18.59	19.5	0.0	
100	QPSK	270	0	18.56	18.62	18.62			
100	QPSK	270	136	18.58	18.73	18.64			
100	1/2 BPSK	1	137	18.54	18.76	18.66	19.5	0.0	
100	QPSK	1	271	18.56	18.63	18.63			
100	QPSK	135	0	18.55	18.77	18.67			
100	QPSK	135	69	18.56	18.78	18.65	19.5	0.0	
100	QPSK	135	136	18.57	18.83	18.64			
100	QPSK	270	0	18.60	18.74	18.60			
100	15QAM	1	1	18.65	18.69	18.70	19.5	0.0	
100	QPSK	1	137	18.67	18.77	18.67	19.5	0.0	
100	25QAM	1	1	18.58	18.62	18.60	19.5	0.0	
	Channel			590202	518598	526998			
90	QPSK	1	1	18.67	18.73	18.65	19.5	0.0	
	Channel			590202	518598	526999			
90	QPSK	1	1	18.67	18.73	18.65	19.5	0.0	
	Channel			590202	518598	526999			
90	QPSK	1	1	18.66	18.76	18.63	19.5	0.0	
	Channel			590202	518598	526999			
70	QPSK	1	1	2531.01	2552.99	2605			
	Channel			590202	518598	526999			
70	QPSK	1	1	18.64	18.69	18.63	19.5	0.0	
	Channel			590202	518598	526999			
60	QPSK	1	1	2520	2552.99	2659.98			
	Channel			590202	518598	526999			
60	QPSK	1	1	18.66	18.74	18.67	19.5	0.0	
	Channel			590202	518598	526999			
50	QPSK	1	1	18.66	18.75	18.70	19.5	0.0	
	Channel			590202	518598	526999			
40	QPSK	1	1	2512.02	2552.99	2664.99			
	Channel			590202	518598	526999			
40	QPSK	1	1	18.71	18.78	18.76	19.5	0.0	
	Channel			590202	518598	526999			
30	QPSK	1	1	2511.01	2552.99	2674.98			
	Channel			590202	518598	526999			
25	QPSK	1	1	2502.00	2552.99	2686.99			
	Channel			590202	518598	526999			
25	QPSK	1	1	2501.01	2552.99	2697.98			
	Channel			610204	618998	635998	19.5	0.0	
	Frequency (MHz)			2593.02	2592.99	2574.99			
20	QPSK	1	1	18.75	18.78	18.67	19.5	0.0	
	Channel			600000	618998	634998	19.5	0.0	
	Frequency (MHz)			2500.00	2522.99	2599.99			
15	QPSK	1	1	18.83	18.83	18.87	19.5	0.0	
	Channel			590202	618998	637000	19.5	0.0	
	Frequency (MHz)			2531.01	2552.99	2605			
10	QPSK	1	1	18.66	18.66	18.56	19.5	0.0	

Part270 n77 An1 Main_PA DSI4										
[BW MHz]	Module ID	RB Size MHz	RB Offset	Power Low dBm	Power Middle dBm	Power High dBm	Tune-up freq. (MHz)	[dPR dB]		
Channel										
				850000	856000	863000				
				3750	3840	3930				
100	12BPSK	1	1	14.82	14.86	14.82				
100	QPSK	1	137	14.82	14.86	14.82	15.5			
100	QPSK	1	271	14.86	14.89	14.86				
100	QPSK	136	60	14.82	14.86	14.85	15.5			
100	QPSK	136	69	14.82	14.86	14.85	15.5			
100	12BPSK	136	136	14.82	14.89	14.85				
100	QPSK	270	0	14.86	14.85	14.86				
100	QPSK	270	1	14.86	14.85	14.86				
100	QPSK	1	137	14.84	14.87	14.83				
100	QPSK	1	271	14.85	14.88	14.86				
100	QPSK	136	6	14.88	14.87	14.81	15.5			
100	QPSK	136	69	14.88	14.89	14.86	15.5			
100	QPSK	136	136	14.88	14.87	14.86	15.5			
100	QPSK	270	0	14.83	14.82	14.86				
100	12QAM	1	1	14.84	14.88	14.86	15.5			
100	QPSK	1	137	14.83	14.82	14.86	15.5			
100	25QAM	1	1	14.82	14.86	14.82				
Channel										
				646686	650000	662234	Tune-up	MPR		
				3750	3840	3930				
90	QPSK	1	1	14.78	14.91	14.83	15.5			
Channel										
				649035	650000	662234	Tune-up	MPR		
				3750	3840	3930				
90	QPSK	1	1	14.78	14.86	14.82	15.5			
Channel										
				650000	650000	662234	Tune-up	MPR		
				3735	3840	3945				
70	QPSK	1	1	14.75	14.80	14.78	15.5			
Channel										
				650000	650000	662234	Tune-up	MPR		
				3730	3820	3950	1			
60	QPSK	1	1	14.77	14.80	14.79	15.5			
Channel										
				650000	650000	662234	Tune-up	MPR		
				3725	3810	3955	0.2			
40	QPSK	1	1	14.74	14.83	14.74	15.5			
Channel										
				650000	650000	662234	Tune-up	MPR		
				3720	3830	3950	0			
20	QPSK	1	1	14.81	14.81	14.82	15.5			
Channel										
				650000	650000	662234	Tune-up	MPR		
				3715	3820	3965	0.1			
15	QPSK	1	1	14.83	14.89	14.89	15.5			
Channel										
				650000	650000	662234	Tune-up	MPR		
				3725	3830	3975	0			
25	QPSK	1	1	14.75	14.83	14.79	15.5			
Channel										
				647334	650000	664688	Tune-up	MPR		
				3710	3830	3970	0.2			
20	QPSK	1	1	14.83	14.89	14.79	15.5			
Channel										
				650000	650000	664834	Tune-up	MPR		
				3707	3830	3972	1			
15	QPSK	1	1	14.89	14.89	14.81	15.5			
Channel										
				647000	650000	665000	Tune-up	MPR		
				3700	3830	3975	0.2			
10	QPSK	1	1	14.90	14.86	14.82	15.5			

Part270 n77 Ant+Main_PA DSI4 PC2										
BW	Module	RB Size	RB Offset	Power Low Ch. Offset	Power Middle Ch. Offset	Power High Ch. Offset	Turn-up (dBm)	MPR (dB)		
	Channel			650000	656000	662000				
	Frequency (MHz)			3750	3840	3930				
100	1/2 BPSK	1	1	1780	1780	1784				
100	1/2 BPSK	1	137	1780	1780	1784	18.5	0		
100	1/2 BPSK	1	271	1781	1789	1784				
100	1/2 BPSK	135	0	1780	1787	1787	18.5	0		
100	1/2 BPSK	135	136	1781	1789	1784	18.5	0		
100	1/2 BPSK	135	136	1784	1790	1783	18.5	0		
100	1/2 BPSK	270	0	1787	1784	1786				
100	QPSK	1	271	1780	1789	1788				
100	QPSK	1	137	1783	1789	1785	18.5	0		
100	QPSK	135	0	1780	1787	1787	18.5	0		
100	QPSK	135	0	1780	1788	1788	18.5	0		
100	QPSK	135	69	1786	1788	1785	18.5	0		
100	QPSK	270	0	1780	1788	1788	18.5	0		
100	QPSK	270	0	1780	1788	1788	18.5	0		
100	16QAM	1		1785	1787	1785	18.5	0		
100	16QAM	1		1788	1788	1788	18.5	0		
100	256QAM	1		1784	1788	1780	18.5	0		
	Channel			646688	656000	662334				
90	QPSK	1		3840	3840	3840	18.5	MPR		
90	QPSK	1	177	1778	1783	1783	19.5	0		
	Channel			656000	656000	656000				
80	QPSK	1		3400	3400	3400	18.5	MPR		
80	QPSK	1		3771	3771	3771	18.5	MPR		
	Channel			650000	650000	650000				
70	QPSK	1		3720	3840	3945	18.5	MPR		
70	QPSK	1		1780	1781	1781	18.5	0		
	Channel			650000	650000	650000				
60	QPSK	1		3730	3840	3950	18.5	MPR		
60	QPSK	1		1770	1782	1781	18.5	0		
	Channel			650000	650000	650000				
50	QPSK	1		3725	3840	3955	18.5	MPR		
50	QPSK	1		1770	1780	1782	18.5	0		
	Channel			650000	650000	650000				
40	QPSK	1		3720	3840	3950	18.5	MPR		
40	QPSK	1		1770	1780	1782	18.5	0		
	Channel			646688	656000	662334				
30	QPSK	1		3715	3840	3955	18.5	MPR		
30	QPSK	1		1765	1780	1782	18.5	0		
	Channel			647500	656000	664500				
25	QPSK	1		3715	3840	3955	18.5	MPR		
25	QPSK	1		1765	1780	1782	18.5	0		
	Channel			647334	656000	664668				
	Frequency (MHz)			371001	3840	397012				
20	QPSK	1		1762	1782	1782	18.5	0		
	Channel			647188	656000	664734				
	Frequency (MHz)			370972	3840	397231				
15	QPSK	1		1762	1782	1782	18.5	0		
	Channel			647000	656000	665000				
10	QPSK	1		1782	1790	1781	19.5	0		



Part27Q n77 Ant1 Main_PA DSI4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	13.53				15.5	0.0
100	1/2 BPSK	1	137	13.51					
100	1/2 BPSK	1	271	13.54					
100	1/2 BPSK	135	0	13.55				15.5	0.0
100	1/2 BPSK	135	69	13.56				15.5	0.0
100	1/2 BPSK	135	138	13.55				15.5	0.0
100	1/2 BPSK	270	0	13.54				15.5	0.0
100	QPSK	1	1	13.55				15.5	0.0
100	QPSK	1	137	13.56					
100	QPSK	1	271	13.52					
100	QPSK	135	0	13.54				15.5	0.0
100	QPSK	135	69	13.51				15.5	0.0
100	QPSK	135	138	13.52				15.5	0.0
100	QPSK	270	0	13.52				15.5	0.0
100	16QAM	1	1	13.52				15.5	0.0
100	64QAM	1	1	13.52				15.5	0.0
100	256QAM	1	1	13.55				15.5	0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
90	QPSK	1	1	13.47	13.53	13.46	15.5	0.0	
Channel				632688	633334	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	13.51	13.55	13.47	15.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	13.51	13.54	13.45	15.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	13.49	13.53	13.48	15.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3492.02	3500.01	3505	limit (dB)		
50	QPSK	1	1	13.51	13.55	13.48	15.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3492.01	3500.01	3520.01	limit (dB)		
40	QPSK	1	1	13.52	13.51	13.45	15.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	13.48	13.53	13.45	15.5	0.0	
Channel				630834	633334	635834	Tune-up limit (dB)	MPR	
Frequency (MHz)				3492.51	3500.01	3521.51	limit (dB)		
25	QPSK	1	1	13.47	13.52	13.45	15.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
20	QPSK	1	1	13.52	13.53	13.48	15.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3500.01	3545.52	limit (dB)		
15	QPSK	1	1	13.48	13.55	13.46	15.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	13.51	13.52	13.46	15.5	0.0	

Part27Q n77 Ant1 Main_PA DSI4 PC2									
BW [MHz]	Module ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	16.51			18.5		
100	1/2 BPSK	1	137	16.53					
100	1/2 BPSK	1	271	16.55					
100	1/2 BPSK	135	0	16.57			18.5		0.0
100	1/2 BPSK	135	69	16.55			18.5		0.0
100	1/2 BPSK	135	138	16.55			18.5	0.0	
100	1/2 BPSK	270	0	16.53			18.5		0.0
100	QPSK	1	1	16.59			18.5		
100	QPSK	1	137	16.58					
100	QPSK	1	271	16.52					
100	QPSK	135	0	16.54			18.5		0.0
100	QPSK	135	69	16.56			18.5		0.0
100	QPSK	135	138	16.53			18.5		0.0
100	QPSK	270	0	16.54			18.5		0.0
100	16QAM	1	1	16.53			18.5		0.0
100	64QAM	1	1	16.52			18.5		0.0
100	256QAM	1	1	16.52			18.5		0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
90	QPSK	1	1	16.52	16.54	16.55	18.5		0.0
Channel				632688	633334	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	16.52	16.54	16.55	18.5		0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	16.53	16.55	16.51	18.5		0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	16.52	16.52	16.54	18.5		0.0
Channel				631668	633334	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3492.02	3500.01	3505	limit (dB)		
50	QPSK	1	1	16.51	16.51	16.55	18.5		0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3492.01	3500.01	3520.01	limit (dB)		
40	QPSK	1	1	16.52	16.54	16.53	18.5		0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	16.51	16.55	16.55	18.5		0.0
Channel				630834	633334	635834	Tune-up limit (dB)	MPR	
Frequency (MHz)				3492.51	3500.01	3521.51	limit (dB)		
25	QPSK	1	1	16.51	16.56	16.52	18.5		0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
20	QPSK	1	1	16.53	16.51	16.52	18.5		0.0
Channel				630500	633334	636168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3500.01	3545.52	limit (dB)		
15	QPSK	1	1	16.53	16.55	16.55	18.5		0.0
Channel				630334	633334	636334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1	16.51	16.55	16.51	18.5		0.0

Part27Q n78 Ant1 Main_PA 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	1/2 BPSK	1	1	13.95				15.5	0.0
100	1/2 BPSK	1	137	13.91					
100	1/2 BPSK	1	271	14.05					
100	1/2 BPSK	135	0	13.97				15.5	0.0
100	1/2 BPSK	135	69	14.05				15.5	0.0
100	1/2 BPSK	135	138	14.01				15.5	0.0
100	1/2 BPSK	270	0	14.02				15.5	0.0
100	QPSK	1	1	14.11				15.5	0.0
100	QPSK	1	137	13.95					
100	QPSK	1	271	13.94					
100	QPSK	135	0	13.91				15.5	0.0
100	QPSK	135	69	13.95				15.5	0.0
100	QPSK	135	138	13.89				15.5	0.0
100	QPSK	270	0	13.97				15.5	0.0
100	16QAM	1	1	14.03				15.5	0.0
100	64QAM	1	1	13.95				15.5	0.0
100	256QAM	1	1	14.04				15.5	0.0
Channel				649668	650000	650334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)		
90	QPSK	1	1	14.02	14.06	13.99	15.5	0.0	
Channel									
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	14.04	14.08	13.95	15.5	0.0	
Channel									
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	14.04	14.07	14.04	15.5	0.0	
Channel									
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	14.00	14.02	13.94	15.5	0.0	
Channel									
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
50	QPSK	1	1	14.04	14.06	13.95	15.5	0.0	
Channel				649600	650000	650400	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	14.00	14.03	13.96	15.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
30	QPSK	1	1	14.03	14.05	13.95	15.5	0.0	
Channel				647600	650000	652500	Tune-up limit (dB)	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
25	QPSK	1	1	14.04	14.04	13.95	15.5	0.0	
Channel				647300	650000	652700	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1	14.05	14.05	13.94	15.5	0.0	
Channel				647025	650000	652975	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.5	3750	3792.5	limit (dB)		
15	QPSK	1	1	14.05	14.07	13.93	15.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1	14.05	14.06	13.96	15.5	0.0	

Part27Q n78 Ant1 Main_PA DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		13.78			
100	1/2 BPSK	1	137		13.77		15.5	0.0
100	1/2 BPSK	1	271		13.70			
100	1/2 BPSK	135	0		13.67		15.5	0.0
100	1/2 BPSK	135	69		13.70		15.5	0.0
100	1/2 BPSK	135	138		13.81		15.5	0.0
100	1/2 BPSK	270	0		13.68		15.5	0.0
100	QPSK	1	1		13.93			
100	QPSK	1	137		13.88		15.5	0.0
100	QPSK	1	271		13.76			
100	QPSK	135	0		13.68		15.5	0.0
100	QPSK	135	69		13.83		15.5	0.0
100	QPSK	135	138		13.65		15.5	0.0
100	QPSK	270	0		13.65		15.5	0.0
100	16QAM	1	1		13.82		15.5	0.0
100	16QAM	1	1		13.67		15.5	0.0
100	256QAM	1	1		13.69		15.5	0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.80	13.85	13.82	15.5	0.0
Channel				632668	633334	634000	Tune-up limit (dB)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.82	13.85	13.77	15.5	0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.84	13.82	13.79	15.5	0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.82	13.85	13.82	15.5	0.0
Channel				631668	633334	635000	Tune-up limit (dB)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.85	13.82	13.80	15.5	0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.83	13.82	13.81	15.5	0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.86	13.82	13.77	15.5	0.0
Channel				630634	633334	635834	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.21	3500.01	3537.21		
25	QPSK	1	1	13.80	13.83	13.77	15.5	0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR
Frequency (MHz)				3450.02	3500.01	3540		
20	QPSK	1	1	13.85	13.82	13.82	15.5	0.0
Channel				630500	633334	636168	Tune-up limit (dB)	MPR
Frequency (MHz)				3451.5	3500.01	3542.52		
15	QPSK	1	1	13.80	13.84	13.77	15.5	0.0
Channel				630334	633334	636334	Tune-up limit (dB)	MPR
Frequency (MHz)				3445.01	3500.01	3545.01		
10	QPSK	1	1	13.80	13.84	13.80	15.5	0.0

Part27Q n78 Ant1 Main_PA DS14 PC2

BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		16.72			
100	1/2 BPSK	1	137		16.69		18.5	0.0
100	1/2 BPSK	1	271		16.65			
100	1/2 BPSK	135	0		16.58		18.5	0.0
100	1/2 BPSK	135	69		16.86		18.5	0.0
100	1/2 BPSK	135	138		16.76		18.5	0.0
100	1/2 BPSK	270	0		16.75		18.5	0.0
100	QPSK	1	1		16.88			
100	QPSK	1	137		16.73		18.5	0.0
100	QPSK	1	271		16.68			
100	QPSK	135	0		16.68		18.5	0.0
100	QPSK	135	69		16.75		18.5	0.0
100	QPSK	135	138		16.68		18.5	0.0
100	QPSK	270	0		16.58		18.5	0.0
100	16QAM	1	1		16.82		18.5	0.0
100	16QAM	1	1		16.68		18.5	0.0
100	256QAM	1	1		16.64		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.75	16.69	16.72	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dB)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.78	16.63	16.66	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.74	16.60	16.69	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.75	16.61	16.71	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dB)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.72	16.69	16.70	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.78	16.65	16.72	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.77	16.64	16.70	18.5	0.0
Channel				630634	633334	635834	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.21	3500.01	3537.21		
25	QPSK	1	1	16.77	16.61	16.70	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR
Frequency (MHz)				3450.02	3500.01	3540		
20	QPSK	1	1	16.74	16.60	16.72	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dB)	MPR
Frequency (MHz)				3451.5	3500.01	3542.52		
15	QPSK	1	1	16.75	16.61	16.71	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dB)	MPR
Frequency (MHz)				3445.01	3500.01	3545.01		
10	QPSK	1	1	16.76	16.61	16.66	18.5	0.0



Part270 n77 Ant8 Main_PA DSI4													
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930							
100	1/2 BPSK	1	1	13.37	13.40	13.26							
100	1/2 BPSK	1	137	13.39	13.35	13.26		14.5					
100	1/2 BPSK	1	271	13.36	13.32	13.29		14.5					
100	1/2 BPSK	135	0	13.38	13.42	13.37		14.5					
100	1/2 BPSK	135	69	13.36	13.30	13.31		14.5					
100	1/2 BPSK	135	135	13.34	13.29	13.31		14.5					
100	1/2 BPSK	270	0	13.38	13.31	13.23							
100	QPSK	1	1	13.40	13.46	13.26							
100	QPSK	1	137	13.36	13.43	13.37		14.5					
100	QPSK	1	271	13.31	13.28	13.27							
100	QPSK	135	0	13.43	13.44	13.25		14.5					
100	QPSK	135	69	13.44	13.45	13.29		14.5					
100	QPSK	135	135	13.36	13.39	13.38		14.5					
100	QPSK	270	0	13.35	13.36	13.34							
100	16QAM	1	1	13.40	13.38	13.30		14.5					
100	64QAM	1	1	13.28	13.45	13.37		14.5					
100	256QAM	1	1	13.43	13.35	13.25		14.5					
Channel													
Frequency (MHz)													
90	QPSK	1	1	649688	656000	662334	Tune-up MPR						
90	QPSK	1	1	3745.02	3900	3953.01	limit (dB)						
90	QPSK	1	1	13.42	13.41	13.28		14.5					
Channel													
Frequency (MHz)													
80	QPSK	1	1	649334	656000	662668	Tune-up MPR						
80	QPSK	1	1	3740.01	3900	3940.02	limit (dB)						
80	QPSK	1	1	13.39	13.36	13.21		14.5					
Channel													
Frequency (MHz)													
70	QPSK	1	1	649000	656000	663000	Tune-up MPR						
70	QPSK	1	1	3735	3900	3945	limit (dB)						
70	QPSK	1	1	13.39	13.43	13.23		14.5					
Channel													
Frequency (MHz)													
60	QPSK	1	1	648668	656000	663334	Tune-up MPR						
60	QPSK	1	1	3730.02	3900	3950.01	limit (dB)						
60	QPSK	1	1	13.41	13.33	13.35		14.5					
Channel													
Frequency (MHz)													
50	QPSK	1	1	648334	656000	663668	Tune-up MPR						
50	QPSK	1	1	3725.01	3900	3955.02	limit (dB)						
50	QPSK	1	1	13.39	13.38	13.21		14.5					
Channel													
Frequency (MHz)													
40	QPSK	1	1	648000	656000	664000	Tune-up MPR						
40	QPSK	1	1	3720	3900	3950	limit (dB)						
40	QPSK	1	1	13.39	13.37	13.35		14.5					
Channel													
Frequency (MHz)													
30	QPSK	1	1	647668	656000	664334	Tune-up MPR						
30	QPSK	1	1	3715.02	3900	3965.01	limit (dB)						
30	QPSK	1	1	13.32	13.40	13.37		14.5					
Channel													
Frequency (MHz)													
25	QPSK	1	1	647500	656000	664500	Tune-up MPR						
25	QPSK	1	1	3712.5	3900	3972.5	limit (dB)						
25	QPSK	1	1	13.41	13.35	13.37		14.5					
Channel													
Frequency (MHz)													
20	QPSK	1	1	647334	656000	664668	Tune-up MPR						
20	QPSK	1	1	3710.01	3900	3970.02	limit (dB)						
20	QPSK	1	1	13.35	13.44	13.30		14.5					
Channel													
Frequency (MHz)													
15	QPSK	1	1	647168	656000	664834	Tune-up MPR						
15	QPSK	1	1	3707.52	3900	3972.51	limit (dB)						
15	QPSK	1	1	13.38	13.41	13.26		14.5					
Channel													
Frequency (MHz)													
10	QPSK	1	1	647000	656000	665000	Tune-up MPR						
10	QPSK	1	1	3705	3900	3975	limit (dB)						
10	QPSK	1	1	13.36	13.45	13.24		14.5					

Part270 n77 Ant8 Main_PA DSI4 PC2													
BW [MHz]	Module ion	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	1/2 BPSK	1	1	3750	3840	3930							
100	1/2 BPSK	1	1	16.58	16.61	16.63		17.5					
100	1/2 BPSK	1	137	16.55	16.59	16.60							
100	1/2 BPSK	1	271	16.67	16.65	16.55							
100	1/2 BPSK	135	0	16.53	16.65	16.54		17.5					
100	1/2 BPSK	135	69	16.54	16.61	16.55		17.5					
100	1/2 BPSK	135	138	16.54	16.67	16.63		17.5					
100	1/2 BPSK	270	0	16.62	16.62	16.60							
100	QPSK	1	1	16.58	16.75	16.51							
100	QPSK	1	137	16.64	16.63	16.57		17.5					
100	QPSK	1	271	16.55	16.71	16.53							
100	QPSK	135	0	16.65	16.65	16.51		17.5					
100	QPSK	135	69	16.61	16.71	16.65		17.5					
100	QPSK	135	138	16.63	16.61	16.61		17.5					
100	QPSK	270	0	16.53	16.68	16.56							
100	16QAM	1	1	16.62	16.67	16.58		17.5					
100	64QAM	1	1	16.67	16.73	16.63		17.5					
100	256QAM	1	1	16.66	16.68	16.65		17.5					
Channel													
Frequency (MHz)													
90	QPSK	1	1	646868	656000	662334	Tune-up MPR						
90	QPSK	1	1	16.58	16.56	16.55		17.5					
90	QPSK	1	1	646534	656000	662668	Tune-up MPR						
90	QPSK	1	1	3740.01	3940	3940.02	limit (dB)						
80	QPSK	1	1	16.68	16.67	16.60		17.5					
80	QPSK	1	1	646500	656000	663000	Tune-up MPR						
70	QPSK	1	1	3735	3940	3945	limit (dB)						
70	QPSK	1	1	16.50	16.60	16.50		17.5					
70	QPSK	1	1	646168	656000	663334	Tune-up MPR						
60	QPSK	1	1	3730.02	3940	3950.01	limit (dB)						
60	QPSK	1	1	16.52	16.65	16.52		17.5					
50	QPSK	1	1	645834	656000	663668	Tune-up MPR						
50	QPSK	1	1	3725.01	3940	3950.02	limit (dB)						
40	QPSK	1	1	16.56	16.69	16.61		17.5					
40	QPSK	1	1	645500	656000	664000	Tune-up MPR						
30	QPSK	1	1	3720	3930	3940	limit (dB)						
30	QPSK	1	1	16.53	16.68	16.53		17.5					
30	QPSK	1	1	645168	656000	664334	Tune-up MPR						
25	QPSK	1	1	3715.02	3940	3945.01	limit (dB)						
25	QPSK	1	1	16.54	16.72	16.57		17.5					
25	QPSK	1	1	644834	656000	664668	Tune-up MPR						
20	QPSK	1	1	3710.01	3940	3950.02	limit (dB)						
20	QPSK	1	1	16.57	16.82	16.57		17.5					
20	QPSK	1	1	644500	656000	665000	Tune-up MPR						
15	QPSK	1	1	3705.02	3940	3955.01	limit (dB)						
15	QPSK	1	1	16.59	16.92	16.59		17.5					
15	QPSK	1	1	644168	656000	665334	Tune-up MPR						
10	QPSK	1	1	3700.01	3940	3960.02	limit (dB)						
10	QPSK	1	1	16.57	16.71	16.54		17.5					



Part270 n78 Ant8 Main_PA DSI4									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	13.24				14.5	0.0
100	1/2 BPSK	1	137	13.35					
100	1/2 BPSK	1	271	13.39					
100	1/2 BPSK	135	0	13.25				14.5	0.0
100	1/2 BPSK	135	69	13.26				14.5	0.0
100	1/2 BPSK	135	138	13.30				14.5	0.0
100	1/2 BPSK	270	0	13.23					
100	QPSK	1	1	13.47					
100	QPSK	1	137	13.27				14.5	0.0
100	QPSK	1	271	13.36					
100	QPSK	135	0	13.35				14.5	0.0
100	QPSK	135	69	13.42				14.5	0.0
100	QPSK	135	138	13.29				14.5	0.0
100	QPSK	270	0	13.37					
100	16QAM	1	1	13.38				14.5	0.0
100	64QAM	1	1	13.27				14.5	0.0
100	256QAM	1	1	13.28				14.5	0.0
Channel				649668	650000	650334	Tune-up MPR		
Frequency (MHz)				3743.02	3750	3753.01	limit (dB)		
90	QPSK	1	1	13.46	13.30	13.27	14.5	0.0	
Channel				649334	650000	650668	Tune-up MPR		
Frequency (MHz)				3743.01	3750	3763.02	limit (dB)		
80	QPSK	1	1	13.29	13.32	13.41	14.5	0.0	
Channel				649000	650000	651000	Tune-up MPR		
Frequency (MHz)				3755	3750	3765	limit (dB)		
70	QPSK	1	1	13.29	13.40	13.43	14.5	0.0	
Channel				648668	650000	651334	Tune-up MPR		
Frequency (MHz)				3733.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	13.41	13.38	13.39	14.5	0.0	
Channel				648334	650000	651668	Tune-up MPR		
Frequency (MHz)				3723.01	3750	3763.02	limit (dB)		
50	QPSK	1	1	13.35	13.25	13.34	14.5	0.0	
Channel				648000	650000	652000	Tune-up MPR		
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	13.29	13.24	13.35	14.5	0.0	
Channel				647668	650000	652334	Tune-up MPR		
Frequency (MHz)				3718.02	3750	3765.01	limit (dB)		
30	QPSK	1	1	13.41	13.25	13.39	14.5	0.0	
Channel				647500	650000	652500	Tune-up MPR		
Frequency (MHz)				3712.5	3750	3767.5	limit (dB)		
25	QPSK	1	1	13.45	13.33	13.26	14.5	0.0	
Channel				647334	650000	652668	Tune-up MPR		
Frequency (MHz)				3710.01	3750	3760.02	limit (dB)		
20	QPSK	1	1	13.38	13.28	13.31	14.5	0.0	
Channel				647168	650000	652834	Tune-up MPR		
Frequency (MHz)				3707.52	3750	3762.51	limit (dB)		
15	QPSK	1	1	13.39	13.29	13.31	14.5	0.0	
Channel				647000	650000	653000	Tune-up MPR		
Frequency (MHz)				3715	3750	3795	limit (dB)		
10	QPSK	1	1	13.30	13.41	13.35	14.5	0.0	

Part270 n78 Ant8 Main_PA DSI4 PC2									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	16.22			17.5	0.0	
100	1/2 BPSK	1	137	16.41					
100	1/2 BPSK	1	271	16.31					
100	1/2 BPSK	135	0	16.17			17.5	0.0	
100	1/2 BPSK	135	69	16.34			17.5	0.0	
100	1/2 BPSK	135	138	16.36			17.5	0.0	
100	1/2 BPSK	270	0	16.28					
100	QPSK	1	1	16.58					
100	QPSK	1	137	16.25			17.5	0.0	
100	QPSK	1	271	16.38					
100	QPSK	135	0	16.40			17.5	0.0	
100	QPSK	135	69	16.41			17.5	0.0	
100	QPSK	135	138	16.22			17.5	0.0	
100	QPSK	270	0	16.34					
100	16QAM	1	1	16.47			17.5	0.0	
100	64QAM	1	1	16.20			17.5	0.0	
100	256QAM	1	1	16.20			17.5	0.0	
Channel				649668	650000	650334	Tune-up MPR		
Frequency (MHz)				3743.02	3750	3753.01	limit (dB)		
90	QPSK	1	1	16.53	16.25	16.23	17.5	0.0	
Channel				649334	650000	650668	Tune-up MPR		
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	16.46	16.34	16.19	17.5	0.0	
Channel				649000	650000	651000	Tune-up MPR		
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	16.33	16.22	16.10	17.5	0.0	
Channel				648668	650000	651334	Tune-up MPR		
Frequency (MHz)				3733.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	16.41	16.29	16.29	17.5	0.0	
Channel				648334	650000	651668	Tune-up MPR		
Frequency (MHz)				3723.01	3750	3763.02	limit (dB)		
50	QPSK	1	1	16.40	16.29	16.25	17.5	0.0	
Channel				648000	650000	652000	Tune-up MPR		
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	16.40	16.25	16.30	17.5	0.0	
Channel				647668	650000	652334	Tune-up MPR		
Frequency (MHz)				3715.02	3750	3765.01	limit (dB)		
30	QPSK	1	1	16.42	16.33	16.23	17.5	0.0	
Channel				647500	650000	652500	Tune-up MPR		
Frequency (MHz)				3712.5	3750	3767.5	limit (dB)		
25	QPSK	1	1	16.42	16.26	16.30	17.5	0.0	
Channel				647334	650000	652668	Tune-up MPR		
Frequency (MHz)				3710.01	3750	3760.02	limit (dB)		
20	QPSK	1	1	16.41	16.26	16.25	17.5	0.0	
Channel				647168	650000	652834	Tune-up MPR		
Frequency (MHz)				3707.52	3750	3762.51	limit (dB)		
15	QPSK	1	1	16.55	16.24	16.20	17.5	0.0	
Channel				647000	650000	653000	Tune-up MPR		
Frequency (MHz)				3715	3750	3795	limit (dB)		
10	QPSK	1	1	16.40	16.37	16.35	17.5	0.0	

Part27Q n78 Ant8 Main_PA 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	1/2 BPSK	1	1	12.82			14.5	0.0	
100	1/2 BPSK	1	137	12.82					
100	1/2 BPSK	1	271	12.81					
100	1/2 BPSK	135	0	12.86			14.5	0.0	
100	1/2 BPSK	135	69	12.87			14.5	0.0	
100	1/2 BPSK	135	138	12.79			14.5	0.0	
100	1/2 BPSK	270	0	12.86					
100	QPSK	1	1	12.88					
100	QPSK	1	137	12.73			14.5	0.0	
100	QPSK	1	271	12.70					
100	QPSK	135	0	12.70			14.5	0.0	
100	QPSK	135	69	12.86			14.5	0.0	
100	QPSK	135	138	12.83			14.5	0.0	
100	QPSK	270	0	12.76					
100	16QAM	1	1	12.77			14.5	0.0	
100	64QAM	1	1	12.77			14.5	0.0	
100	256QAM	1	1	12.72			14.5	0.0	
Channel				633000	633334	633668	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	12.73	12.73	12.83	14.5	0.0	
Channel				632668	633334	634000	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510 <td>limit (dB)</td> <th colspan="2"></th>	limit (dB)		
80	QPSK	1	1	12.75	12.77	12.78	14.5	0.0	
Channel				632334	633334	634334	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01 <td>limit (dB)</td> <th colspan="2"></th>	limit (dB)		
70	QPSK	1	1	12.74	12.76	12.82	14.5	0.0	
Channel				632000	633334	634000	Tune-up MPR		
Frequency (MHz)				3480 <th>3500.01</th> <td>3520.02</td> <td>limit (dB)</td> <th colspan="2"></th>	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	12.73	12.84	12.75	14.5	0.0	
Channel				631668	633334	635000	Tune-up MPR		
Frequency (MHz)				3475.02 <td>3500.01</td> <td>3525</td> <td>limit (dB)</td> <th colspan="2"></th>	3500.01	3525	limit (dB)		
50	QPSK	1	1	12.84	12.82	12.81	14.5	0.0	
Channel				631334	633334	635334	Tune-up MPR		
Frequency (MHz)				3470.01 <td>3500.01</td> <td>3530.01</td> <td>limit (dB)</td> <th colspan="2"></th>	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	12.77	12.77	12.75	14.5	0.0	
Channel				631000	633334	635668	Tune-up MPR		
Frequency (MHz)				3465 <td>3500.01</td> <td>3535.02</td> <td>limit (dB)</td> <th colspan="2"></th>	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	12.81	12.73	12.70	14.5	0.0	
Channel				630834	633334	635834	Tune-up MPR		
Frequency (MHz)				3462.51 <td>3500.01</td> <td>3537.51</td> <td>limit (dB)</td> <th colspan="2"></th>	3500.01	3537.51	limit (dB)		
25	QPSK	1	1	12.82	12.70	12.68	14.5	0.0	
Channel				630668	633334	636000	Tune-up MPR		
Frequency (MHz)				3460.02 <td>3500.01</td> <td>3540</td> <td>limit (dB)</td> <th colspan="2"></th>	3500.01	3540	limit (dB)		
20	QPSK	1	1	12.80	12.82	12.83	14.5	0.0	
Channel				630500	633334	636168	Tune-up MPR		
Frequency (MHz)				3457.5 <td>3500.01</td> <td>3542.5</td> <td>limit (dB)</td> <th colspan="2"></th>	3500.01	3542.5	limit (dB)		
15	QPSK	1	1	12.77	12.74	12.77	14.5	0.0	
Channel				630334	633334	636334	Tune-up MPR		
Frequency (MHz)				3455 <td>3500.01</td> <td>3545</td> <td>limit (dB)</td> <th colspan="2"></th>	3500.01	3545	limit (dB)		
10	QPSK	1	1	12.83	12.83	12.89	14.5	0.0	

Reduced Power Mode for NSA DSI5

n7 Ant0 Main_PA DSI 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2320	2335	2350		
40	1/2 BPSK	1	1	23.20	23.31	23.55	24.5	0.0
40	1/2 BPSK	1	108	23.86	23.88	23.81	24.5	0.0
40	1/2 BPSK	1	214	23.79	23.85	23.78		
40	1/2 BPSK	108	0	23.22	23.29	23.23	24.0	0.5
40	1/2 BPSK	108	54	23.82	23.88	23.82	24.5	0.0
40	1/2 BPSK	108	108	23.13	23.20	23.12		
40	1/2 BPSK	216	0	23.05	23.15	23.09	24.0	0.5
40	QPSK	1	1	23.85	23.92	23.91		
40	QPSK	1	108	23.87	23.88	23.79	24.5	0.0
40	QPSK	1	214	23.82	23.89	23.84		
40	QPSK	108	0	22.75	22.82	22.74	23.5	1.0
40	QPSK	108	54	23.78	23.87	23.79	24.5	0.0
40	QPSK	108	108	22.67	22.73	22.70	23.5	1.0
40	QPSK	216	0	22.67	22.71	22.65	23.5	1.0
40	16QAM	1	1	22.79	22.81	22.73	23.5	1.0
40	64QAM	1	1	21.35	21.38	21.27	22.0	2.5
40	256QAM	1	1	19.34	19.37	19.31	20.0	4.5
Channel				503500	507000	510500	tune-up limit	MPR
Frequency (MHz)				2317.5	2335	2352.5	(dB)	(dB)
35	QPSK	1	1	23.76	23.82	23.82	24.5	0.0
Channel				503000	507000	511000	tune-up limit	MPR
Frequency (MHz)				2315	2335	2355	(dB)	(dB)
30	QPSK	1	1	23.75	23.90	23.82	24.5	0.0
Channel				502500	507000	511500	tune-up limit	MPR
Frequency (MHz)				2312.5	2335	2357.5	(dB)	(dB)
25	QPSK	1	1	23.76	23.87	23.83	24.5	0.0
Channel				502000	507000	512000	tune-up limit	MPR
Frequency (MHz)				2310	2335	2360	(dB)	(dB)
20	1/2 BPSK	1	1	23.84	23.83	23.83	24.5	0.0
Channel				501500	507000	512500	tune-up limit	MPR
Frequency (MHz)				2307.5	2335	2362.5	(dB)	(dB)
15	QPSK	1	1	23.76	23.85	23.89	24.5	0.0
Channel				501000	507000	513000	tune-up limit	MPR
Frequency (MHz)				2305	2335	2365	(dB)	(dB)
10	QPSK	1	1	23.83	23.82	23.84	24.5	0.0
Channel				500500	507000	513500	tune-up limit	MPR
Frequency (MHz)				2302.5	2335	2367.5	(dB)	(dB)
5	QPSK	1	1	23.76	23.86	23.85	24.5	0.0

n66 Ant0 Other PA DSI 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	25.20	25.22	25.19		
40	1/2 BPSK	1	108	24.98	25.07	25.06	25.7	0.0
40	1/2 BPSK	1	214	25.01	25.05	24.95		
40	1/2 BPSK	108	0	24.56	24.62	24.56	25.2	0.5
40	1/2 BPSK	108	54	25.10	25.18	25.09	25.7	0.0
40	1/2 BPSK	108	108	24.48	24.59	24.52		
40	1/2 BPSK	216	0	24.58	24.64	24.53	25.2	0.5
40	QPSK	1	1	25.22	25.29	25.27		
40	QPSK	1	108	25.09	25.12	25.01	25.7	0.0
40	QPSK	1	214	24.96	25.02	24.96		
40	QPSK	108	0	24.13	24.15	24.13	24.7	1.0
40	QPSK	108	54	25.17	25.22	25.19	25.7	0.0
40	QPSK	108	108	24.10	24.13	24.11	24.7	1.0
40	QPSK	216	0	24.13	24.20	24.11		
40	16QAM	1	1	24.11	24.17	24.09	24.7	1.0
40	64QAM	1	1	22.55	22.61	22.37	23.2	2.5
40	256QAM	1	1	21.01	21.09	20.98	21.2	4.5
Channel				345500	349000	352500	tune-up limit	MPR
Frequency (MHz)				1727.5	1745	1762.5	(dB)	(dB)
35	QPSK	1	1	25.20	25.20	25.15	25.7	0.0
Channel				345000	349000	353000	tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dB)	(dB)
30	QPSK	1	1	25.14	25.19	25.25	25.7	0.0
Channel				344500	349000	353500	tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dB)	(dB)
25	QPSK	1	1	25.14	25.19	25.18	25.7	0.0
Channel				344000	349000	354000	tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dB)	(dB)
20	QPSK	1	1	25.12	25.23	25.19	25.7	0.0
Channel				343500	349000	354500	tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dB)	(dB)
15	QPSK	1	1	25.14	25.20	25.21	25.7	0.0
Channel				343000	349000	355000	tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dB)	(dB)
10	QPSK	1	1	25.14	25.27	25.23	25.7	0.0
Channel				342500	349000	355500	tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dB)	(dB)
5	QPSK	1	1	25.16	25.26	25.20	25.7	0.0

n38 Ant0 Main_PA DSI 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	23.74	23.81	23.72		
40	1/2 BPSK	1	53	23.74	23.75	23.66	24.0	0.0
40	1/2 BPSK	1	104	23.62	23.71	23.66		
40	1/2 BPSK	50	0	23.15	23.16	23.10	23.5	0.5
40	1/2 BPSK	50	26	23.66	23.73	23.66	24.0	0.0
40	1/2 BPSK	50	56	22.96	23.01	23.00	23.5	0.5
40	1/2 BPSK	100	0	22.95	23.06	22.97		
40	QPSK	1	1	23.79	23.86	23.78		
40	QPSK	1	53	23.77	23.81	23.76	24.0	0.0
40	QPSK	1	104	23.77	23.83	23.76		
40	QPSK	50	0	22.67	22.69	22.62	23.0	1.0
40	QPSK	50	26	23.74	23.75	23.72	24.0	0.0
40	QPSK	50	56	22.65	22.75	22.65	23.0	1.0
40	QPSK	100	0	22.64	22.71	22.61		
40	16QAM	1	1	22.69	22.75	22.69	23.0	1.0
40	64QAM	1	1	21.21	21.26	21.17	21.5	2.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.01	2595	2604.99		
30	QPSK	1	1	23.62	23.83	23.69	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.52	2595	2607.48		
25	QPSK	1	1	23.74	23.81	23.72	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	23.69	23.82	23.70	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.71	23.77	23.74	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.75	23.79	23.77	24.0	0.0

n41 Ant0 Main_PA DSI 5								
BW [MHz]	Modulat ion	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	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	23.16	23.21	23.12		
100	1/2 BPSK	1	137	23.15	23.22	23.12	24.0	0.0
100	1/2 BPSK	1	271	23.16	23.21	23.12		
100	1/2 BPSK	135	0	23.16	23.24	23.14	24.0	0.0
100	1/2 BPSK	135	69	23.09	23.16	23.10	24.0	0.0
100	1/2 BPSK	135	138	23.12	23.19	23.10	24.0	0.0
100	1/2 BPSK	270	0	23.13	23.16	23.07		
100	QPSK	1	1	23.32	23.35	23.36		
100	QPSK	1	137	23.48	23.55	23.47	24.0	0.0
100	QPSK	1	271	23.47	23.50	23.47		
100	QPSK	135	0	22.46	22.59	22.46	23.0	1.0
100	QPSK	135	69	23.12	23.21	23.11	24.0	0.0
100	QPSK	135	138	22.33	22.41	22.36	23.0	1.0
100	QPSK	270	0	22.38	22.45	22.41		
100	16QAM	1	1	23.37	23.45	23.42	24.0	0.0
100	64QAM	1	1	23.34	23.39	23.34	24.0	0.0
100	256QAM	1	1	21.07	21.11	21.06	22.0	2.0
Channel				508200	518598	528996	Tune-up limit (dBm)	
Frequency (MHz)				2541	2592.99	2644.99		
90	QPSK	1	1	23.46	23.49	23.46	24.0	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	
Frequency (MHz)				2539.02	2592.99	2649.99		
80	QPSK	1	1	23.45	23.54	23.47	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.47	23.48	23.47	24.0	0.0
Channel				505200	518598	531696	Tune-up limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	23.49	23.51	23.53	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.51	23.48	23.52	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	1	23.42	23.56	23.50	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.96		
30	QPSK	1	1	23.46	23.56	23.52	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.96		
25	QPSK	1	1	23.48	23.51	23.52	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.45	23.57	23.50	24.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	
Frequency (MHz)				2500.5	2592.99	2680.48		
15	QPSK	1	1	23.42	23.52	23.52	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	
Frequency (MHz)				2491.01	2592.99	2686		
10	QPSK	1	1	23.43	23.51	23.51	24.0	0.0

n7 Ant1 Main_PA DSI 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	18.41	18.59	18.53	19.5	0.0	
40	1/2 BPSK	1	108	18.45	18.56	18.54			
40	1/2 BPSK	1	214	18.45	18.61	18.53			
40	1/2 BPSK	108	0	18.41	18.57	18.54	19.5	0.0	
40	1/2 BPSK	108	54	18.45	18.56	18.52	19.5	0.0	
40	1/2 BPSK	108	108	18.45	18.59	18.50	19.5	0.0	
40	1/2 BPSK	216	0	18.40	18.55	18.47	19.5	0.0	
40	QPSK	1	1	18.54	18.68	18.59	19.5	0.0	
40	QPSK	1	108	18.45	18.56	18.51			
40	QPSK	1	214	18.49	18.64	18.47			
40	QPSK	108	0	18.50	18.57	18.54	19.5	0.0	
40	QPSK	108	54	18.51	18.62	18.55	19.5	0.0	
40	QPSK	108	108	18.47	18.60	18.49	19.5	0.0	
40	QPSK	216	0	18.49	18.55	18.43	19.5	0.0	
40	16QAM	1	1	18.50	18.57	18.52	19.5	0.0	
40	16QAM	1	1	18.15	18.21	18.15	19.5	0.0	
40	256QAM	1	1	18.05	18.01	18.03	19.5	0.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)		
35	QPSK	1	1	18.43	18.65	18.53	19.5	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit (dB)		
30	QPSK	1	1	18.51	18.63	18.56	19.5	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)		
25	QPSK	1	1	18.51	18.62	18.52	19.5	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit (dB)		
20	1/2 BPSK	1	1	18.51	18.64	18.52	19.5	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)		
15	QPSK	1	1	18.49	18.61	18.53	19.5	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit (dB)		
10	QPSK	1	1	18.48	18.61	18.52	19.5	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)		
5	QPSK	1	1	18.49	18.61	18.54	19.5	0.0	

n66 Ant1 Other PA DSI 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	19.06	19.18	19.13	19.7	0.0
40	1/2 BPSK	1	108	19.12	19.15	19.09		
40	1/2 BPSK	1	214	19.10	19.15	19.11		
40	1/2 BPSK	108	0	19.05	19.19	19.10	19.7	0.0
40	1/2 BPSK	108	54	19.08	19.11	19.12	19.7	0.0
40	1/2 BPSK	108	108	19.09	19.14	19.13	19.7	0.0
40	1/2 BPSK	216	0	19.06	19.13	19.10	19.7	0.0
40	QPSK	1	1	19.19	19.26	19.21	19.7	0.0
40	QPSK	1	108	19.12	19.18	19.13		
40	QPSK	1	214	19.10	19.20	19.10		
40	QPSK	108	0	19.11	19.19	19.09	19.7	0.0
40	QPSK	108	54	19.12	19.22	19.15	19.7	0.0
40	QPSK	108	108	19.09	19.16	19.13	19.7	0.0
40	QPSK	216	0	19.15	19.18	19.13	19.7	0.0
40	16QAM	1	1	19.10	19.17	19.10	19.7	0.0
40	16QAM	1	1	19.14	19.19	19.10	19.7	0.0
40	256QAM	1	1	19.12	19.15	19.11	19.7	0.0
Channel				345900	349000	352900	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	
35	QPSK	1	1	19.16	19.22	19.18	19.7	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	
30	QPSK	1	1	19.16	19.18	19.14	19.7	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	
25	QPSK	1	1	19.12	19.22	19.16	19.7	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	
20	QPSK	1	1	19.16	19.22	19.14	19.7	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	
15	QPSK	1	1	19.14	19.22	19.16	19.7	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	
10	QPSK	1	1	19.15	19.13	19.15	19.7	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	
5	QPSK	1	1	19.06	19.03	19.05	19.7	0.0

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BW [MHz]	Modulat on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	18.04	17.98	17.99		
40	1/2 BPSK	1	53	18.05	17.97	17.96	18.5	0.0
40	1/2 BPSK	1	104	17.95	18.00	17.99		
40	1/2 BPSK	50	0	18.00	18.03	17.93	18.5	0.0
40	1/2 BPSK	50	28	17.99	18.01	17.99	18.5	0.0
40	1/2 BPSK	50	56	18.02	18.07	18.00		
40	1/2 BPSK	100	0	18.03	18.05	17.98	18.5	0.0
40	QPSK	1	1	18.09	18.11	18.05		
40	QPSK	1	53	18.04	18.04	17.93	18.5	0.0
40	QPSK	1	104	17.97	17.97	17.98		
40	QPSK	50	0	18.04	18.00	17.97	18.5	0.0
40	QPSK	50	28	18.02	18.06	18.01	18.5	0.0
40	QPSK	50	56	18.05	18.01	17.94	18.5	0.0
40	QPSK	100	0	18.01	18.02	18.01		
40	16QAM	1	1	18.04	18.00	17.92	18.5	0.0
40	64QAM	1	1	17.97	18.06	18.00	18.5	0.0
40	256QAM	1	1	18.05	18.04	18.00	18.5	0.0
Channel				517002	519000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	18.04	18.05	17.97	18.5	0.0
Channel				518504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	18.00	18.02	17.98	18.5	0.0
Channel				518000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	18.02	18.02	17.98	18.5	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	18.04	18.07	17.97	18.5	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	18.03	18.06	18.01	18.5	0.0

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BW [MHz]	Modulat on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	17.11	17.17	17.08		
100	1/2 BPSK	1	137	17.09	17.13	17.01	18.0	0.0
100	1/2 BPSK	1	271	17.08	17.13	17.03		
100	1/2 BPSK	135	0	17.12	17.17	17.03	18.0	0.0
100	1/2 BPSK	135	69	17.17	17.11	17.09	18.0	0.0
100	1/2 BPSK	135	138	17.14	17.13	17.10		
100	1/2 BPSK	270	0	17.09	17.12	17.09	18.0	0.0
100	QPSK	1	1	17.21	17.23	17.15		
100	QPSK	1	137	17.14	17.18	17.10	18.0	0.0
100	QPSK	1	271	17.16	17.13	17.07		
100	QPSK	135	0	17.10	17.14	17.04	18.0	0.0
100	QPSK	135	69	17.14	17.21	17.08	18.0	0.0
100	QPSK	135	138	17.13	17.11	17.01		
100	QPSK	270	0	17.05	17.12	17.06	18.0	0.0
100	16QAM	1	1	17.15	17.13	17.04	18.0	0.0
100	64QAM	1	1	17.14	17.15	17.08	18.0	0.0
100	256QAM	1	1	17.08	17.16	17.07	18.0	0.0
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	17.13	17.15	17.09	18.0	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	17.17	17.15	17.10	18.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	17.13	17.19	17.08	18.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2526	2592.99	2658.98	limit	(dB)
60	QPSK	1	1	17.15	17.18	17.03	18.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	17.16	17.16	17.12	18.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	17.18	17.18	17.08	18.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	17.16	17.15	17.06	18.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	17.17	17.15	17.11	18.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2678.99	limit	(dB)
20	QPSK	1	1	17.14	17.19	17.03	18.0	0.0
Channel				500700	518598	536996	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	17.16	17.19	17.11	18.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	17.16	17.15	17.06	18.0	0.0

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BW [MHz]	Modulat on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	16.41	16.51	16.39		
100	1/2 BPSK	1	137	16.38	16.46	16.32	17.0	0.0
100	1/2 BPSK	1	271	16.37	16.45	16.40		
100	1/2 BPSK	135	0	16.38	16.49	16.33	17.0	0.0
100	1/2 BPSK	135	69	16.35	16.42	16.40	17.0	0.0
100	1/2 BPSK	135	138	16.43	16.42	16.33		
100	1/2 BPSK	270	0	16.40	16.48	16.36	17.0	0.0
100	QPSK	1	1	16.49	16.55	16.45		
100	QPSK	1	137	16.42	16.46	16.33	17.0	0.0
100	QPSK	1	271	16.45	16.48	16.38		
100	QPSK	135	0	16.44	16.49	16.32	17.0	0.0
100	QPSK	135	69	16.42	16.51	16.41	17.0	0.0
100	QPSK	135	138	16.44	16.44	16.36		
100	QPSK	270	0	16.41	16.44	16.35	17.0	0.0
100	16QAM	1	1	16.40	16.46	16.32	17.0	0.0
100	64QAM	1	1	16.36	16.43	16.36	17.0	0.0
100	256QAM	1	1	16.43	16.42	16.36	17.0	0.0
Channel				649668	656000	662334	Tune-up	MPR
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	16.41	16.51	16.37	17.0	0.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	16.40	16.52	16.36	17.0	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit	(dB)
70	QPSK	1	1	16.43	16.49	16.40	17.0	0.0
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	16.41	16.52	16.38	17.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	16.40	16.51	16.37	17.0	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3960	limit	(dB)
40	QPSK	1	1	16.45	16.51	16.36	17.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	16.41	16.48	16.40	17.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)
25	QPSK	1	1	16.43	16.50	16.40	17.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
20	QPSK	1	1	16.43	16.50	16.40	17.0	0.0
Channel				646768	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	16.41	16.47	16.38	17.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
10	QPSK	1	1	16.42	16.50	16.42	17.0	0.0

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BW [MHz]	Modulati on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	19.36	19.36	19.24		
100	1/2 BPSK	1	137	19.31	19.41	19.29	20.0	0.0
100	1/2 BPSK	1	271	19.32	19.32	19.26		
100	1/2 BPSK	135	0	19.36	19.32	19.27	20.0	0.0
100	1/2 BPSK	135	69	19.34	19.34	19.32	20.0	0.0
100	1/2 BPSK	135	138	19.30	19.31	19.24	20.0	0.0
100	1/2 BPSK	270	0	19.30	19.38	19.31		
100	QPSK	1	1	19.41	19.45	19.38		
100	QPSK	1	137	19.23	19.36	19.26	20.0	0.0
100	QPSK	1	271	19.33	19.38	19.33		
100	QPSK	135	0	19.30	19.34	19.34	20.0	0.0
100	QPSK	135	69	19.33	19.42	19.36	20.0	0.0
100	QPSK	135	138	19.29	19.32	19.32	20.0	0.0
100	QPSK	270	0	19.25	19.34	19.21		
100	16QAM	1	1	19.35	19.34	19.24	20.0	0.0
100	64QAM	1	1	19.34	19.32	19.25	20.0	0.0
100	256QAM	1	1	19.31	19.32	19.26	20.0	0.0
Channel				646668	656000	662334	Tune-up	MPR
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	19.38	19.39	19.31	20.0	0.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	19.36	19.42	19.30	20.0	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit	(dB)
70	QPSK	1	1	19.34	19.37	19.33	20.0	0.0
Channel				646668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	19.33	19.41	19.32	20.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	19.34	19.38	19.34	20.0	0.0
Channel				649000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3960	limit	(dB)
40	QPSK	1	1	19.38	19.40	19.34	20.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	19.34	19.36	19.30	20.0	0.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	19.36	19.39	19.35	20.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	19.33	19.40	19.35	20.0	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	19.34	19.40	19.30	20.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
10	QPSK	1	1	19.32	19.37	19.29	20.0	0.0

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BW [MHz]	Modulati on	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	1/2 BPSK	1	1		15.10			
100	1/2 BPSK	1	137		15.10		17.0	0.0
100	1/2 BPSK	1	271		15.09			
100	1/2 BPSK	135	0		15.06		17.0	0.0
100	1/2 BPSK	135	69		15.06		17.0	0.0
100	1/2 BPSK	135	138		15.09		17.0	0.0
100	1/2 BPSK	270	0		15.14			
100	QPSK	1	1		15.19		17.0	0.0
100	QPSK	1	137		15.10			
100	QPSK	1	271		15.14			
100	QPSK	135	0		15.08		17.0	0.0
100	QPSK	135	69		15.15		17.0	0.0
100	QPSK	135	138		15.06		17.0	0.0
100	QPSK	270	0		15.12		17.0	0.0
100	16QAM	1	1		15.07		17.0	0.0
100	64QAM	1	1		15.14		17.0	0.0
100	256QAM	1	1		15.11		17.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	15.02	15.15	15.05	17.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	15.05	15.13	15.05	17.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	15.02	15.13	15.05	17.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	15.03	15.13	15.10	17.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	15.08	15.10	15.07	17.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	15.03	15.10	15.05	17.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	15.08	15.13	15.09	17.0	0.0
Channel				630834	633334	635934	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	15.02	15.16	15.04	17.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	15.03	15.12	15.03	17.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	15.02	15.14	15.08	17.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	15.04	15.14	15.08	17.0	0.0

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BW [MHz]	Modulati on	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	1/2 BPSK	1	1		18.68			
100	1/2 BPSK	1	137		18.61		20.0	0.0
100	1/2 BPSK	1	271		18.70			
100	1/2 BPSK	135	0		18.65		20.0	0.0
100	1/2 BPSK	135	69		18.64		20.0	0.0
100	1/2 BPSK	135	138		18.67		20.0	0.0
100	1/2 BPSK	270	0		18.68			
100	QPSK	1	1		18.75		20.0	0.0
100	QPSK	1	137		18.65			
100	QPSK	1	271		18.68			
100	QPSK	135	0		18.65		20.0	0.0
100	QPSK	135	69		18.71		20.0	0.0
100	QPSK	135	138		18.65		20.0	0.0
100	QPSK	270	0		18.64		20.0	0.0
100	16QAM	1	1		18.66		20.0	0.0
100	256QAM	1	1		18.64		20.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	18.63	18.71	18.61	20.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	18.61	18.72	18.59	20.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	18.63	18.70	18.61	20.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	18.65	18.65	18.58	20.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	18.68	18.68	18.59	20.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	18.63	18.68	18.61	20.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	18.65	18.66	18.62	20.0	0.0
Channel				630834	633334	635934	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	18.65	18.68	18.59	20.0	0.

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BW [MHz]	Modulat on	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	1/2 BPSK	1	1	15.10			16.5	0.0	
100	1/2 BPSK	1	137	15.06					
100	1/2 BPSK	1	271	15.04					
100	1/2 BPSK	135	0	15.04			16.5	0.0	
100	1/2 BPSK	135	69	15.04			16.5	0.0	
100	1/2 BPSK	135	138	15.09			16.5	0.0	
100	1/2 BPSK	270	0	15.05					
100	QPSK	1	1	15.15			16.5	0.0	
100	QPSK	1	137	15.07					
100	QPSK	1	271	15.01			16.5	0.0	
100	QPSK	135	0	15.04			16.5	0.0	
100	QPSK	135	69	15.12			16.5	0.0	
100	QPSK	135	138	15.11			16.5	0.0	
100	QPSK	270	0	15.07					
100	16QAM	1	1	15.02			16.5	0.0	
100	64QAM	1	1	15.09			16.5	0.0	
100	256QAM	1	1	15.07			16.5	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	14.98	15.10	14.97	16.5	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	15.01	15.08	14.97	16.5	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	14.97	15.07	14.97	16.5	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1	14.97	15.09	14.99	16.5	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)	
50	QPSK	1	1	14.99	15.08	14.94	16.5	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit	(dB)	
40	QPSK	1	1	14.97	15.06	14.99	16.5	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)	
30	QPSK	1	1	14.98	15.12	14.95	16.5	0.0	
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
25	QPSK	1	1	14.97	15.10	14.94	16.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
20	QPSK	1	1	14.97	15.05	14.96	16.5	0.0	
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)	
15	QPSK	1	1	15.01	15.06	14.98	16.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit	(dB)	
10	QPSK	1	1	15.01	15.12	14.97	16.5	0.0	

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PC2									
BW [MHz]	Modulat on	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	1/2 BPSK	1	1	18.39			19.5	0.0	
100	1/2 BPSK	1	137	18.45					
100	1/2 BPSK	1	271	18.44					
100	1/2 BPSK	135	0	18.44			19.5	0.0	
100	1/2 BPSK	135	69	18.38			19.5	0.0	
100	1/2 BPSK	135	138	18.46			19.5	0.0	
100	1/2 BPSK	270	0	18.45					
100	QPSK	1	1	18.52			19.5	0.0	
100	QPSK	1	137	18.40			19.5	0.0	
100	QPSK	1	271	18.43					
100	QPSK	135	0	18.41			19.5	0.0	
100	QPSK	135	69	18.46			19.5	0.0	
100	QPSK	135	138	18.41			19.5	0.0	
100	QPSK	270	0	18.44					
100	16QAM	1	1	18.41			19.5	0.0	
100	64QAM	1	1	18.39			19.5	0.0	
100	256QAM	1	1	18.46			19.5	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	18.39	18.47	18.39	19.5	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	18.40	18.49	18.37	19.5	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	18.37	18.45	18.35	19.5	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1	18.38	18.44	18.39	19.5	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)	
50	QPSK	1	1	18.42	18.46	18.34	19.5	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit	(dB)	
40	QPSK	1	1	18.42	18.47	18.38	19.5	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)	
30	QPSK	1	1	18.38	18.45	18.35	19.5	0.0	
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
25	QPSK	1	1	18.40	18.44	18.37	19.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
20	QPSK	1	1	18.40	18.43	18.39	19.5	0.0	
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)	
15	QPSK	1	1	18.36	18.48	18.36	19.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit	(dB)	
10	QPSK	1	1	18.42	18.46	18.40	19.5	0.0	

Part27Q n78 Ant1 Main_PA DSI 8

BW [MHz]	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	1/2 BPSK	1	1		14.84			
100	1/2 BPSK	1	137		14.76		16.5	0.0
100	1/2 BPSK	1	271		14.79			
100	1/2 BPSK	135	0		14.81		16.5	0.0
100	1/2 BPSK	135	69		14.84		16.5	0.0
100	1/2 BPSK	135	138		14.84			
100	1/2 BPSK	270	0		14.83		16.5	0.0
100	QPSK	1	1		14.89			
100	QPSK	1	137		14.79		16.5	0.0
100	QPSK	1	271		14.84			
100	QPSK	135	0		14.77		16.5	0.0
100	QPSK	135	69		14.83		16.5	0.0
100	QPSK	135	138		14.81		16.5	0.0
100	QPSK	270	0		14.74			
100	16QAM	1	1		14.83		16.5	0.0
100	64QAM	1	1		14.76		16.5	0.0
100	256QAM	1	1		14.80		16.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	14.81	14.84	14.74	16.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	14.82	14.81	14.76	16.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	14.79	14.84	14.76	16.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	14.76	14.82	14.75	16.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	14.82	14.84	14.72	16.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	14.79	14.86	14.76	16.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	14.81	14.82	14.73	16.5	0.0
Channel				630334	633334	635934	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	14.82	14.81	14.73	16.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	14.81	14.85	14.75	16.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	14.76	14.83	14.72	16.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	14.82	14.83	14.76	16.5	0.0

Part27Q n78 Ant1 Main_PA DSI 8 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		17.90			
100	1/2 BPSK	1	137		17.89		19.5	0.0
100	1/2 BPSK	1	271		17.81			
100	1/2 BPSK	135	0		17.86		19.5	0.0
100	1/2 BPSK	135	69		17.85		19.5	0.0
100	1/2 BPSK	135	138		17.86			
100	1/2 BPSK	270	0		17.83		19.5	0.0
100	QPSK	1	1		17.85			
100	QPSK	1	137		17.83		19.5	0.0
100	QPSK	1	271		17.83			
100	QPSK	135	0		17.89		19.5	0.0
100	QPSK	135	69		17.91		19.5	0.0
100	QPSK	135	138		17.85		19.5	0.0
100	QPSK	270	0		17.84			
100	16QAM	1	1		17.87		19.5	0.0
100	64QAM	1	1		17.83		19.5	0.0
100	256QAM	1	1		17.89		19.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	17.77	17.87	17.74	19.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	17.78	17.89	17.74	19.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	17.79	17.88	17.78	19.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	17.80	17.91	17.75	19.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	17.77	17.91	17.77	19.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	17.81	17.92	17.73	19.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	17.77	17.87	17.75	19.5	0.0
Channel				630334	633334	635934	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	17.81	17.87	17.74	19.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	17.81	17.89	17.78	19.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	17.80	17.91	17.77	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	17.85	17.75	17.71	19.5	0.0



Part270 n77 Ant8 Main_PA DSI 8										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)										
100	1/2 BPSK	1	1	11:27	11:36	11:18				
100	1/2 BPSK	1	137	11:31	11:35	11:24	12.5	0.0		
100	1/2 BPSK	1	271	11:26	11:34	11:18				
100	1/2 BPSK	135	0	11:23	11:30	11:18	12.5	0.0		
100	1/2 BPSK	135	69	11:32	11:33	11:27				
100	1/2 BPSK	135	135	11:29	11:35	11:23	12.5	0.0		
100	1/2 BPSK	270	0	11:27	11:30	11:27				
100	QPSK	1	1	11:36	11:42	11:31				
100	QPSK	1	137	11:32	11:33	11:21	12.5	0.0		
100	QPSK	1	271	11:24	11:30	11:24				
100	QPSK	135	0	11:23	11:31	11:26	12.5	0.0		
100	QPSK	135	69	11:34	11:38	11:28	12.5	0.0		
100	QPSK	135	135	11:24	11:37	11:19	12.5	0.0		
100	QPSK	270	0	11:26	11:34	11:24				
100	16QAM	1	1	11:27	11:34	11:19	12.5	0.0		
100	64QAM	1	1	11:29	11:32	11:20	12.5	0.0		
100	256QAM	1	1	11:30	11:34	11:25	12.5	0.0		
Channel				649688	656000	662334	Tune-up limit (dB)	MPR		
Frequency (MHz)				3745.02	3840	3935.01	(dB)			
90	QPSK	1	1	11:27	11:35	11:28	12.5	0.0		
Channel				649334	656000	662668	Tune-up limit (dB)	MPR		
Frequency (MHz)				3740.01	3840	3940.02	(dB)			
80	QPSK	1	1	11:29	11:34	11:28	12.5	0.0		
Channel				649000	656000	663000	Tune-up limit (dB)	MPR		
Frequency (MHz)				3735	3840	3945	(dB)			
70	QPSK	1	1	11:31	11:39	11:27	12.5	0.0		
Channel				648668	656000	663334	Tune-up limit (dB)	MPR		
Frequency (MHz)				3730.02	3840	3950.01	(dB)			
60	QPSK	1	1	11:29	11:33	11:23	12.5	0.0		
Channel				648334	656000	663668	Tune-up limit (dB)	MPR		
Frequency (MHz)				3725.01	3840	3955.02	(dB)			
50	QPSK	1	1	11:27	11:39	11:22	12.5	0.0		
Channel				648000	656000	664000	Tune-up limit (dB)	MPR		
Frequency (MHz)				3720	3840	3960	(dB)			
40	QPSK	1	1	11:28	11:35	11:23	12.5	0.0		
Channel				647668	656000	664334	Tune-up limit (dB)	MPR		
Frequency (MHz)				3715.02	3840	3965.01	(dB)			
30	QPSK	1	1	11:33	11:39	11:25	12.5	0.0		
Channel				647300	656000	664500	Tune-up limit (dB)	MPR		
Frequency (MHz)				3712.5	3840	3967.5	(dB)			
25	QPSK	1	1	11:29	11:38	11:22	12.5	0.0		
Channel				647334	656000	664668	Tune-up limit (dB)	MPR		
Frequency (MHz)				3710.01	3840	3970.02	(dB)			
20	QPSK	1	1	11:33	11:39	11:28	12.5	0.0		
Channel				647168	656000	664834	Tune-up limit (dB)	MPR		
Frequency (MHz)				3707.52	3840	3972.51	(dB)			
15	QPSK	1	1	11:32	11:38	11:28	12.5	0.0		
Channel				647000	656000	665000	Tune-up limit (dB)	MPR		
Frequency (MHz)				3705	3840	3975	(dB)			
10	QPSK	1	1	11:32	11:35	11:24	12.5	0.0		

Part270 n77 Ant8 Main_PA DSI 8 PC2										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)										
100	1/2 BPSK	1	1	14:37	14:43	14:49				
100	1/2 BPSK	1	137	14:40	14:49	14:35	15.5	0.0		
100	1/2 BPSK	1	271	14:36	14:41	14:34				
100	1/2 BPSK	135	0	14:36	14:49	14:38	15.5	0.0		
100	1/2 BPSK	135	69	14:40	14:48	14:37	15.5	0.0		
100	1/2 BPSK	135	138	14:34	14:41	14:38	15.5	0.0		
100	1/2 BPSK	270	0	14:36	14:46	14:43				
100	QPSK	1	1	14:47	14:54	14:48				
100	QPSK	1	137	14:42	14:41	14:42	15.5	0.0		
100	QPSK	1	271	14:39	14:41	14:42				
100	QPSK	135	0	14:37	14:41	14:41	15.5	0.0		
100	QPSK	135	69	14:43	14:48	14:38	15.5	0.0		
100	QPSK	135	138	14:40	14:31	14:34	15.5	0.0		
100	QPSK	270	0	14:25	14:37	14:34				
100	16QAM	1	1	14:43	14:50	14:37	15.5	0.0		
100	64QAM	1	1	14:43	14:49	14:38	15.5	0.0		
100	256QAM	1	1	14:34	14:42	14:40	15.5	0.0		
Channel				649688	656000	662334	Tune-up limit (dB)	MPR		
Frequency (MHz)				3743.02	3840	3938.01	(dB)			
90	QPSK	1	1	14:39	14:45	14:45	15.5	0.0		
Channel				649334	656000	662668	Tune-up limit (dB)	MPR		
Frequency (MHz)				3740.01	3840	3940.02	(dB)			
80	QPSK	1	1	14:40	14:45	14:45	15.5	0.0		
Channel				649000	656000	663000	Tune-up limit (dB)	MPR		
Frequency (MHz)				3735	3840	3945	(dB)			
70	QPSK	1	1	14:35	14:49	14:39	15.5	0.0		
Channel				648668	656000	663334	Tune-up limit (dB)	MPR		
Frequency (MHz)				3730.02	3840	3950.01	(dB)			
60	QPSK	1	1	14:41	14:49	14:43	15.5	0.0		
Channel				648334	656000	663668	Tune-up limit (dB)	MPR		
Frequency (MHz)				3725.01	3840	3955.02	(dB)			
50	QPSK	1	1	14:40	14:48	14:40	15.5	0.0		
Channel				648000	656000	664000	Tune-up limit (dB)	MPR		
Frequency (MHz)				3720	3840	3960	(dB)			
40	QPSK	1	1	14:44	14:46	14:44	15.5	0.0		
Channel				647668	656000	664334	Tune-up limit (dB)	MPR		
Frequency (MHz)				3715.02	3840	3965.01	(dB)			
30	QPSK	1	1	14:43	14:48	14:39	15.5	0.0		
Channel				647500	656000	664500	Tune-up limit (dB)	MPR		
Frequency (MHz)				3712.5	3840	3967.5	(dB)			
25	QPSK	1	1	14:42	14:49	14:44	15.5	0.0		
Channel				647334	656000	664668	Tune-up limit (dB)	MPR		
Frequency (MHz)				3710.01	3840	3970.02	(dB)			
20	QPSK	1	1	14:40	14:49	14:40	15.5	0.0		
Channel				647168	656000	664834	Tune-up limit (dB)	MPR		
Frequency (MHz)				3707.52	3840	3972.51	(dB)			
15	QPSK	1	1	14:39	14:48	14:42	15.5	0.0		
Channel				647000	656000	665000	Tune-up limit (dB)	MPR		
Frequency (MHz)				3705	3840	3975	(dB)			
10	QPSK	1	1	14:43	14:47	14:41	15.5	0.0		

Part27Q n77 Ant8 Main_PA DSI 8										
BW [MHz]	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	653334					
Frequency (MHz)										
100	1/2 BPSK	1	1	11:01						
100	1/2 BPSK	1	137	11:01			12.5		0.0	
100	1/2 BPSK	1	271	11:02						
100	1/2 BPSK	135	0	11:00			12.5	0.0		
100	1/2 BPSK	135	138	11:02			12.5	0.0		
100	1/2 BPSK	270	0	11:02			12.5	0.0		
100	QPSK	1	137	11:01	10:58		12.5	0.0		
100	QPSK	135	0	11:01			12.5	0.0		
100	QPSK	135	138	11:02			12.5	0.0		
100	QPSK	270	0	11:02			12.5	0.0		
100	16QAM	1	1	11:04	11:05		12.5	0.0		
100	16QAM	135	138	11:05			12.5	0.0		
100	256QAM	1	1	11:07	11:08		12.5	0.0		
Channel				633000	633334	633668	Tune-up	MPR		
90	QPSK	1	1	11:00	11:08	11:16	12.5	0.0		
Channel				636000	636334	636668	Tune-up	MPR		
Frequency (MHz)										
80	QPSK	1	1	10:38	11:04	11:30	12.5	0.0		
Channel				633334	633668	634002	Tune-up	MPR		
Frequency (MHz)										
70	QPSK	1	1	10:08	11:05	11:09	12.5	0.0		
Channel				630000	630334	630668	Tune-up	MPR		
Frequency (MHz)										
60	QPSK	1	1	11:00	11:08	11:14	12.5	0.0		
Channel				647000	647334	647668	Tune-up	MPR		
Frequency (MHz)										
50	QPSK	1	1	11:02	11:07	11:16	12.5	0.0		
Channel				633334	633668	634002	Tune-up	MPR		
Frequency (MHz)										
40	QPSK	1	1	11:04	11:09	11:14	12.5	0.0		
Channel				631000	633334	635668	Tune-up	MPR		
Frequency (MHz)										
30	QPSK	1	1	11:04	11:07	11:13	12.5	0.0		
Channel				630834	633334	635668	Tune-up	MPR		
Frequency (MHz)										
25	QPSK	1	1	11:04	11:07	11:13	12.5	0.0		
Channel				636668	633334	639000	Tune-up	MPR		
Frequency (MHz)										
20	QPSK	1	1	11:04	11:09	11:16	12.5	0.0		
Channel				630000	633334	636168	Tune-up	MPR		
Frequency (MHz)										
15	QPSK	1	1	11:04	11:09	11:14	12.5	0.0		
Channel				630334	633334	636334	Tune-up	MPR		
Frequency (MHz)										
10	QPSK	1	1	10:38	11:08	11:12	12.5	0.0		

Reduced Power Mode for NSA DSI 6

n7 Ant0 Main_PA DSI 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	MPR (dB)
Frequency (MHz)				2520	2535	2550	
40	1/2 BPSK	1	1	21.29	21.40	21.22	
40	1/2 BPSK	1	108	21.31	21.40	21.27	22.0
40	1/2 BPSK	1	214	21.36	21.38	21.24	
40	1/2 BPSK	108	0	21.30	21.42	21.21	22.0
40	1/2 BPSK	108	54	21.28	21.44	21.23	22.0
40	1/2 BPSK	108	108	21.30	21.34	21.23	22.0
40	1/2 BPSK	216	0	21.35	21.36	21.25	
40	QPSK	1	1	21.38	21.45	21.32	
40	QPSK	1	108	21.29	21.41	21.23	22.0
40	QPSK	1	214	21.30	21.42	21.27	
40	QPSK	108	0	21.32	21.40	21.22	22.0
40	QPSK	108	54	21.35	21.41	21.27	22.0
40	QPSK	108	108	21.30	21.39	21.29	22.0
40	QPSK	216	0	21.29	21.33	21.21	
40	16QAM	1	1	21.31	21.43	21.22	22.0
40	16QAM	1	1	21.35	21.38	21.27	22.0
40	256QAM	1	1	19.34	19.37	19.31	20.0
Channel				503500	507000	510500	Tune-up limit (dB)
35	QPSK	1	1	21.35	21.40	21.29	22.0
Channel				503000	507000	511000	Tune-up limit (dB)
30	QPSK	1	1	21.34	21.31	21.26	22.0
Channel				502500	507000	511500	Tune-up limit (dB)
25	QPSK	1	1	21.35	21.35	21.28	22.0
Channel				502000	507000	512000	Tune-up limit (dB)
20	1/2 BPSK	1	1	21.36	21.40	21.29	22.0
Channel				501500	507000	512500	Tune-up limit (dB)
15	QPSK	1	1	21.36	21.39	21.29	22.0
Channel				501000	507000	513000	Tune-up limit (dB)
10	QPSK	1	1	21.36	21.39	21.28	22.0
Channel				500500	507000	513500	Tune-up limit (dB)
5	QPSK	1	1	21.34	21.40	21.26	22.0

n66 Ant0 Other PA DSI 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	MPR (dB)
Frequency (MHz)				1730	1745	1760	
40	1/2 BPSK	1	1	21.29	21.31	21.26	
40	1/2 BPSK	1	108	21.17	21.25	21.33	21.7
40	1/2 BPSK	1	214	21.14	21.27	21.29	
40	1/2 BPSK	108	0	21.24	21.21	21.41	21.7
40	1/2 BPSK	108	54	21.27	21.22	21.33	21.7
40	1/2 BPSK	108	108	21.29	21.23	21.28	21.7
40	1/2 BPSK	216	0	21.22	21.25	21.27	
40	QPSK	1	1	21.17	21.38	21.23	
40	QPSK	1	108	21.24	21.31	21.19	21.7
40	QPSK	1	214	21.22	21.24	21.26	
40	QPSK	108	0	21.28	21.34	21.23	21.7
40	QPSK	108	54	21.20	21.37	21.32	21.7
40	QPSK	108	108	21.22	21.29	21.34	21.7
40	QPSK	216	0	21.29	21.35	21.33	
40	16QAM	1	1	21.26	21.24	21.24	21.7
40	16QAM	1	1	21.14	21.29	21.30	21.7
40	256QAM	1	1	21.01	21.09	20.98	21.2
Channel				345500	349000	352500	Tune-up limit (dB)
35	QPSK	1	1	21.09	21.32	21.20	21.7
Channel				345000	349000	353000	Tune-up limit (dB)
30	QPSK	1	1	21.14	21.33	21.19	21.7
Channel				344500	349000	353500	Tune-up limit (dB)
25	QPSK	1	1	21.11	21.31	21.18	21.7
Channel				344000	349000	354000	Tune-up limit (dB)
20	QPSK	1	1	21.12	21.31	21.15	21.7
Channel				343500	349000	354500	Tune-up limit (dB)
15	QPSK	1	1	21.08	21.35	21.16	21.7
Channel				343000	349000	355000	Tune-up limit (dB)
10	QPSK	1	1	21.10	21.35	21.19	21.7
Channel				342500	349000	355500	Tune-up limit (dB)
5	QPSK	1	1	21.09	21.31	21.20	21.7

n38 Ant0 Main_PA DSI 6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	22.78	22.81	22.73		
40	1/2 BPSK	1	53	22.73	22.80	22.72	23.0	0.0
40	1/2 BPSK	1	104	22.76	22.86	22.70		
40	1/2 BPSK	50	0	22.72	22.83	22.70	23.0	0.0
40	1/2 BPSK	50	26	22.74	22.87	22.76	23.0	0.0
40	1/2 BPSK	50	56	22.72	22.79	22.74	23.0	0.0
40	1/2 BPSK	100	0	22.72	22.83	22.68		
40	QPSK	1	1	22.81	22.88	22.78		
40	QPSK	1	53	22.79	22.82	22.72	23.0	0.0
40	QPSK	1	104	22.72	22.84	22.76		
40	QPSK	50	0	22.76	22.81	22.74	23.0	0.0
40	QPSK	50	26	22.74	22.83	22.74	23.0	0.0
40	QPSK	50	56	22.74	22.82	22.71		
40	QPSK	100	0	22.69	22.75	22.71	23.0	0.0
40	16QAM	1	1	22.77	22.78	22.87	23.0	0.0
40	64QAM	1	1	21.21	21.26	21.17	21.5	1.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	3.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.01	2595	2604.99	<td></td>	
30	QPSK	1	1	22.76	22.84	22.72	23.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.52	2595	2607.48	<td></td>	
25	QPSK	1	1	22.74	22.82	22.74	23.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	<td></td>	
20	QPSK	1	1	22.77	22.85	22.75	23.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	<td></td>	
15	QPSK	1	1	22.74	22.86	22.74	23.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2573.02	2595	2614.98	<td></td>	
10	QPSK	1	1	22.71	22.80	22.74	23.0	0.0

n41 Ant0 Main_PA DSI 6								
BW [MHz]	Modulat ion	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	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	22.01	22.08	22.01		
100	1/2 BPSK	1	137	22.02	22.05	21.97	22.5	0.0
100	1/2 BPSK	1	271	22.01	22.10	21.99		
100	1/2 BPSK	135	0	21.96	22.01	21.96	22.5	0.0
100	1/2 BPSK	135	69	22.04	22.00	22.03	22.5	0.0
100	1/2 BPSK	135	138	21.96	22.06	21.95	22.5	0.0
100	1/2 BPSK	270	0	21.97	22.10	21.99		
100	QPSK	1	1	22.06	22.11	22.05		
100	QPSK	1	137	21.97	22.10	21.97	22.5	0.0
100	QPSK	1	271	21.98	22.00	21.96		
100	QPSK	135	0	22.02	22.05	21.96	22.5	0.0
100	QPSK	135	69	22.01	22.06	21.95	22.5	0.0
100	QPSK	135	138	21.99	22.02	22.00		
100	QPSK	270	0	21.95	21.91	21.78	22.5	0.0
100	16QAM	1	1	21.99	22.05	21.97	22.5	0.0
100	64QAM	1	1	21.96	22.08	21.99	22.5	0.0
100	256QAM	1	1	21.67	21.71	21.69	22.0	0.5
Channel				508200	518698	528996	Tune-up MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit (dB)	
90	QPSK	1	1	22.01	22.04	22.00	22.5	0.0
Channel				507204	518698	529996	Tune-up MPR	
Frequency (MHz)				2536.02	2592.99	2646.99	limit (dB)	
80	QPSK	1	1	22.02	22.06	21.95	22.5	0.0
Channel				506202	518698	531000	Tune-up MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)	
70	QPSK	1	1	22.04	22.05	21.94	22.5	0.0
Channel				505200	518698	531696	Tune-up MPR	
Frequency (MHz)				2526	42.71	2659.98	limit (dB)	
60	QPSK	1	1	21.95	22.00	21.98	22.5	0.0
Channel				504204	518698	532998	Tune-up MPR	
Frequency (MHz)				2521.02	2592.99	2664.97	limit (dB)	
50	QPSK	1	1	21.98	22.03	22.03	22.5	0.0
Channel				503202	518698	534000	Tune-up MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)	
40	QPSK	1	1	21.97	22.07	21.97	22.5	0.0
Channel				502200	518698	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
30	QPSK	1	1	21.99	22.07	22.02	22.5	0.0
Channel				502200	518698	534996	Tune-up MPR	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
25	QPSK	1	1	22.01	22.07	22.00	22.5	0.0
Channel				501204	518698	535998	Tune-up MPR	
Frequency (MHz)				2506.02	2592.99	2679.95	limit (dB)	
20	QPSK	1	1	21.95	22.03	22.04	22.5	0.0
Channel				500700	518698	536496	Tune-up MPR	
Frequency (MHz)				2500.5	2592.99	2683.48	limit (dB)	
15	QPSK	1	1	21.96	22.01	22.03	22.5	0.0
Channel				500202	518698	537000	Tune-up MPR	
Frequency (MHz)				2501.01	2592.99	2685	limit (dB)	
10	QPSK	1	1	21.96	22.06	21.96	22.5	0.0



n7 Ant1 Main_PA DSI 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	21.74	21.74	21.76	22.5	0.0
40	1/2 BPSK	1	108	21.75	21.70	21.76		
40	1/2 BPSK	1	214	21.76	21.74	21.74		
40	1/2 BPSK	108	0	21.72	21.73	21.71	22.5	0.0
40	1/2 BPSK	108	54	21.77	21.71	21.74	22.5	0.0
40	1/2 BPSK	108	108	21.70	21.70	21.77	22.5	0.0
40	1/2 BPSK	216	0	21.77	21.71	21.73	22.5	0.0
40	QPSK	1	1	21.71	21.73	21.75	22.5	0.0
40	QPSK	1	108	21.75	21.70	21.70		
40	QPSK	1	214	21.69	21.75	21.68		
40	QPSK	108	0	21.68	21.71	21.70	22.5	0.0
40	QPSK	108	54	21.65	21.72	21.69	22.5	0.0
40	QPSK	108	108	21.71	21.67	21.71	22.5	0.0
40	QPSK	216	0	21.61	21.68	21.65	22.5	0.0
40	16QAM	1	1	21.75	21.75	21.72	22.5	0.0
40	16QAM	1	1	21.15	21.21	21.15	22.0	0.5
40	256QAM	1	1	19.12	19.22	19.12	20.0	2.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)	
35	QPSK	1	1	21.68	21.73	21.75	22.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit (dB)	
30	QPSK	1	1	21.69	21.71	21.76	22.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	
25	QPSK	1	1	21.77	21.68	21.75	22.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit (dB)	
20	1/2 BPSK	1	1	21.69	21.69	21.72	22.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	
15	QPSK	1	1	21.75	21.68	21.77	22.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit (dB)	
10	QPSK	1	1	21.76	21.77	21.77	22.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)	
5	QPSK	1	1	21.69	21.68	21.70	22.5	0.0

n66 Ant1 Other PA DSI 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				34600	34900	35200		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	22.21	22.18	22.21	22.7	0.0
40	1/2 BPSK	1	108	22.21	22.25	22.22		
40	1/2 BPSK	1	214	22.20	22.15	22.18		
40	1/2 BPSK	108	0	22.16	22.22	22.16	22.7	0.0
40	1/2 BPSK	108	54	22.16	22.17	22.20	22.7	0.0
40	1/2 BPSK	108	108	22.18	22.21	22.21	22.7	0.0
40	1/2 BPSK	216	0	22.20	22.18	22.18	22.7	0.0
40	QPSK	1	1	22.21	22.26	22.16	22.7	0.0
40	QPSK	1	108	22.20	22.24	22.22		
40	QPSK	1	214	22.22	22.21	22.17		
40	QPSK	108	0	22.11	22.11	22.11	22.7	0.0
40	QPSK	108	54	22.15	22.16	22.13	22.7	0.0
40	QPSK	108	108	22.15	22.12	22.11	22.7	0.0
40	QPSK	216	0	22.01	22.11	22.05	22.7	0.0
40	16QAM	1	1	22.16	22.21	22.17	22.7	0.0
40	16QAM	1	1	22.23	22.20	22.17	22.7	0.0
40	256QAM	1	1	21.09	21.13	21.09	21.2	1.5
Channel				34550	34900	35250	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	
35	QPSK	1	1	22.16	22.19	22.22	22.7	0.0
Channel				34500	34900	35300	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit (dB)	
30	QPSK	1	1	22.21	22.21	22.18	22.7	0.0
Channel				34450	34900	35350	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	
25	QPSK	1	1	22.20	22.18	22.21	22.7	0.0
Channel				34400	34900	35400	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit (dB)	
20	QPSK	1	1	22.20	22.18	22.21	22.7	0.0
Channel				34350	34900	35450	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	
15	QPSK	1	1	22.16	22.18	22.17	22.7	0.0
Channel				34300	34900	35500	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit (dB)	
10	QPSK	1	1	22.20	22.21	22.20	22.7	0.0
Channel				34250	34900	35550	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	
5	QPSK	1	1	22.15	22.20	22.18	22.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	19.01	19.05	18.96		
40	1/2 BPSK	1	53	18.99	19.06	19.00	19.5	0.0
40	1/2 BPSK	1	104	19.00	19.09	18.99		
40	1/2 BPSK	50	0	19.04	19.05	19.00	19.5	0.0
40	1/2 BPSK	50	28	18.97	19.06	18.96	19.5	0.0
40	1/2 BPSK	50	56	19.01	19.07	18.97		
40	1/2 BPSK	100	0	19.04	19.07	18.94	19.5	0.0
40	QPSK	1	1	19.05	19.12	19.03		
40	QPSK	1	53	19.04	19.10	18.93	19.5	0.0
40	QPSK	1	104	19.03	19.02	18.92		
40	QPSK	50	0	19.02	19.01	18.93	19.5	0.0
40	QPSK	50	28	19.01	19.05	18.95	19.5	0.0
40	QPSK	50	56	18.97	19.01	18.97		
40	QPSK	100	0	19.01	19.02	18.85	19.5	0.0
40	16QAM	1	1	19.00	19.08	19.01	19.5	0.0
40	64QAM	1	1	19.00	19.10	18.94	19.5	0.0
40	256QAM	1	1	18.96	18.99	18.88	19.5	0.0
Channel				517002	519000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	18.98	19.07	19.01	19.5	0.0
Channel				518504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	19.03	19.04	18.99	19.5	0.0
Channel				518000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	18.95	19.06	18.98	19.5	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	19.03	19.05	18.99	19.5	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	18.97	19.08	19.01	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	19.57	19.65	19.61		
100	1/2 BPSK	1	137	19.57	19.63	19.57	20.5	0.0
100	1/2 BPSK	1	271	19.54	19.67	19.65		
100	1/2 BPSK	135	0	19.56	19.66	19.64	20.5	0.0
100	1/2 BPSK	135	69	19.59	19.68	19.56	20.5	0.0
100	1/2 BPSK	135	138	19.61	19.66	19.60		
100	1/2 BPSK	270	0	19.60	19.62	19.62	20.5	0.0
100	QPSK	1	1	19.65	19.72	19.66		
100	QPSK	1	137	19.57	19.71	19.57	20.5	0.0
100	QPSK	1	271	19.63	19.62	19.61		
100	QPSK	135	0	19.58	19.61	19.57	20.5	0.0
100	QPSK	135	69	19.60	19.64	19.57	20.5	0.0
100	QPSK	135	138	19.62	19.61	19.56		
100	QPSK	270	0	19.51	19.54	19.45	20.5	0.0
100	16QAM	1	1	19.62	19.64	19.57	20.5	0.0
100	64QAM	1	1	19.56	19.65	19.57	20.5	0.0
100	256QAM	1	1	18.58	18.62	18.60	19.5	1.0
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	19.63	19.64	19.58	20.5	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	19.58	19.68	19.64	20.5	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	19.56	19.69	19.62	20.5	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2526	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	19.63	19.65	19.60	20.5	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	19.56	19.64	19.62	20.5	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	19.55	19.68	19.58	20.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	19.55	19.69	19.62	20.5	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	19.61	19.62	19.53	20.5	0.0
Channel				500700	518598	536996	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	19.55	19.64	19.57	20.5	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	19.58	19.62	19.56	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	17.43	17.47	17.38		
100	1/2 BPSK	1	137	17.47	17.50	17.32	18.0	0.0
100	1/2 BPSK	1	271	17.40	17.51	17.39		
100	1/2 BPSK	135	0	17.41	17.47	17.35	18.0	0.0
100	1/2 BPSK	135	69	17.44	17.51	17.38	18.0	0.0
100	1/2 BPSK	135	138	17.45	17.54	17.33		
100	1/2 BPSK	270	0	17.44	17.49	17.40	18.0	0.0
100	QPSK	1	1	17.49	17.55	17.42		
100	QPSK	1	137	17.48	17.45	17.39	18.0	0.0
100	QPSK	1	271	17.40	17.47	17.38		
100	QPSK	135	0	17.39	17.49	17.37	18.0	0.0
100	QPSK	135	69	17.41	17.52	17.38	18.0	0.0
100	QPSK	135	138	17.44	17.45	17.40		
100	QPSK	270	0	17.42	17.46	17.35	18.0	0.0
100	16QAM	1	1	17.40	17.52	17.40	18.0	0.0
100	64QAM	1	1	17.46	17.51	17.38	18.0	0.0
100	256QAM	1	1	17.39	17.50	17.37	18.0	0.0
Channel				649668	656000	662334	Tune-up	MPR
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	17.44	17.52	17.35	18.0	0.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	17.40	17.51	17.36	18.0	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit	(dB)
70	QPSK	1	1	17.40	17.52	17.34	18.0	0.0
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	17.40	17.45	17.33	18.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	17.40	17.49	17.35	18.0	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3960	limit	(dB)
40	QPSK	1	1	17.44	17.51	17.33	18.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	17.40	17.51	17.39	18.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	17.41	17.45	17.39	18.0	0.0
Channel				647000	656000	664996	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
15	QPSK	1	1	17.44	17.52	17.39	18.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
10	QPSK	1	1	17.41	17.45	17.34	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	20.26	20.32	20.26	21.0	0.0
100	1/2 BPSK	1	137	20.32	20.37	20.26		
100	1/2 BPSK	1	271	20.25	20.29	20.22		
100	1/2 BPSK	135	0	20.33	20.34	20.23	21.0	0.0
100	1/2 BPSK	135	69	20.33	20.35	20.28	21.0	0.0
100	1/2 BPSK	135	138	20.32	20.33	20.27	21.0	0.0
100	1/2 BPSK	270	0	20.28	20.36	20.30		
100	QPSK	1	1	20.35	20.38	20.32	21.0	0.0
100	QPSK	1	137	20.29	20.29	20.28		
100	QPSK	1	271	20.28	20.33	20.23		
100	QPSK	135	0	20.27	20.34	20.22	21.0	0.0
100	QPSK	135	69	20.31	20.36	20.25	21.0	0.0
100	QPSK	135	138	20.29	20.32	20.30	21.0	0.0
100	QPSK	270	0	20.27	20.29	20.28		
100	16QAM	1	1	20.32	20.31	20.22	21.0	0.0
100	64QAM	1	1	20.30	20.35	20.26	21.0	0.0
100	256QAM	1	1	20.09	20.17	20.11	21.0	0.0
Channel				649668	656000	662334	Tune-up	MPR
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	20.31	20.31	20.28	21.0	0.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	20.42	20.35	20.26	21.0	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit	(dB)
70	QPSK	1	1	20.28	20.35	20.26	21.0	0.0
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	20.32	20.32	20.28	21.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	20.28	20.34	20.29	21.0	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3960	limit	(dB)
40	QPSK	1	1	20.30	20.34	20.26	21.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	20.31	20.34	20.25	21.0	0.0
Channel				647000	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	20.32	20.34	20.26	21.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	20.32	20.34	20.26	21.0	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	20.31	20.35	20.29	21.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
10	QPSK	1	1	20.17	20.16	20.15	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	1/2 BPSK	1	1		16.18		18.0	0.0
100	1/2 BPSK	1	137		16.14			
100	1/2 BPSK	1	271		16.12			
100	1/2 BPSK	135	0		16.15		18.0	0.0
100	1/2 BPSK	135	69		16.14		18.0	0.0
100	1/2 BPSK	135	138		16.17		18.0	0.0
100	1/2 BPSK	270	0		16.21			
100	QPSK	1	1		16.22		18.0	0.0
100	QPSK	1	137		16.15			
100	QPSK	1	271		16.20			
100	QPSK	135	0		16.12		18.0	0.0
100	QPSK	135	69		16.16		18.0	0.0
100	QPSK	135	138		16.15		18.0	0.0
100	QPSK	270	0		16.12			
100	16QAM	1	1		16.17		18.0	0.0
100	64QAM	1	1		16.19		18.0	0.0
100	256QAM	1	1		16.17		18.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	16.08	16.18	16.04	18.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	16.07	16.14	16.04	18.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	16.08	16.19	16.04	18.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	16.11	16.10	16.10	18.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	16.11	16.15	16.04	18.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	16.06	16.16	16.06	18.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	16.11	16.17	16.05	18.0	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	16.10	16.18	16.05	18.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	16.12	16.13	16.05	18.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	16.09	16.13	16.08	18.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	16.06	16.17	16.06	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	1/2 BPSK	1	1		19.70		21.0	0.0
100	1/2 BPSK	1	137		19.75			
100	1/2 BPSK	1	271		19.72			
100	1/2 BPSK	135	0		19.76		21.0	0.0
100	1/2 BPSK	135	69		19.66		21.0	0.0
100	1/2 BPSK	135	138		19.67		21.0	0.0
100	1/2 BPSK	270	0		19.72			
100	QPSK	1	1		19.77		21.0	0.0
100	QPSK	1	137		19.76			
100	QPSK	1	271		19.69			
100	QPSK	135	0		19.61		21.0	0.0
100	QPSK	135	69		19.65		21.0	0.0
100	QPSK	135	138		19.61		21.0	0.0
100	QPSK	270	0		19.62			
100	16QAM	1	1		19.45		21.0	0.0
100	64QAM	1	1		19.43		21.0	0.0
100	256QAM	1	1		19.49		21.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(db)
90	QPSK	1	1	19.67	19.68	19.56	21.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(db)
80	QPSK	1	1	19.65	19.70	19.62	21.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(db)
70	QPSK	1	1	19.62	19.72	19.62	21.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(db)
60	QPSK	1	1	19.64	19.68	19.59	21.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(db)
50	QPSK	1	1	19.62	19.69	19.57	21.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(db)
40	QPSK	1	1	19.68	19.70	19.59	21.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(db)
30	QPSK	1	1	19.66	19.69	19.61	21.0	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(db)
25	QPSK	1	1	19.68	19.69	19.62	21.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(db)
20	QPSK	1	1	19.66	19.70	19.56	21.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(db)
15	QPSK	1	1	19.65	19.63	19.50	21.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(db)
10	QPSK	1	1	19.33	19.31	19.35	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	1/2 BPSK	1	1	15.05			16.5	0.0
100	1/2 BPSK	1	137	15.06				
100	1/2 BPSK	1	271	15.11				
100	1/2 BPSK	135	0	15.07			16.5	0.0
100	1/2 BPSK	135	69	15.14			16.5	0.0
100	1/2 BPSK	135	138	15.05			16.5	0.0
100	1/2 BPSK	270	0	15.13				
100	QPSK	1	1	15.15				
100	QPSK	1	137	15.05			16.5	0.0
100	QPSK	1	271	15.04				
100	QPSK	135	0	15.08			16.5	0.0
100	QPSK	135	69	15.12			16.5	0.0
100	QPSK	135	138	15.05			16.5	0.0
100	QPSK	270	0	15.07				
100	16QAM	1	1	15.13			16.5	0.0
100	64QAM	1	1	15.05			16.5	0.0
100	256QAM	1	1	15.01			16.5	0.0
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	14.99	15.06	15.03	16.5	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	14.99	15.05	15.04	16.5	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	14.96	15.10	15.02	16.5	0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	14.93	15.11	15.02	16.5	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	15.01	15.11	15.02	16.5	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	14.97	15.12	15.03	16.5	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	14.96	15.07	15.04	16.5	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
25	QPSK	1	1	14.99	15.07	15.05	16.5	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
20	QPSK	1	1	14.96	15.09	15.04	16.5	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	15.02	15.10	15.08	16.5	0.0

**Part270 n78 Ant1 Main_PA DSI 6
PC2**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	1/2 BPSK	1	1	18.50			19.5	0.0
100	1/2 BPSK	1	137	18.46				
100	1/2 BPSK	1	271	18.46				
100	1/2 BPSK	135	0	18.46			19.5	0.0
100	1/2 BPSK	135	69	18.45			19.5	0.0
100	1/2 BPSK	135	138	18.45			19.5	0.0
100	1/2 BPSK	270	0	18.50				
100	QPSK	1	1	18.52			19.5	0.0
100	QPSK	1	137	18.46				
100	QPSK	1	271	18.47				
100	QPSK	135	0	18.41			19.5	0.0
100	QPSK	135	69	18.46			19.5	0.0
100	QPSK	135	138	18.43			19.5	0.0
100	QPSK	270	0	18.44				
100	16QAM	1	1	18.47			19.5	0.0
100	64QAM	1	1	18.48			19.5	0.0
100	256QAM	1	1	18.41			19.5	0.0
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	18.37	18.44	18.36	19.5	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	18.42	18.43	18.34	19.5	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	18.40	18.43	18.40	19.5	0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	18.39	18.44	18.40	19.5	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	18.39	18.45	18.38	19.5	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	18.36	18.44	18.38	19.5	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	18.37	18.43	18.36	19.5	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
25	QPSK	1	1	18.39	18.47	18.34	19.5	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
20	QPSK	1	1	18.40	18.46	18.39	19.5	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	18.41	18.43	18.42	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		14.79			
100	1/2 BPSK	1	137		14.83		16.5	0.0
100	1/2 BPSK	1	271		14.84			
100	1/2 BPSK	135	0		14.81		16.5	0.0
100	1/2 BPSK	135	69		14.86		16.5	0.0
100	1/2 BPSK	135	138		14.86			
100	1/2 BPSK	270	0		14.85		16.5	0.0
100	QPSK	1	1		14.89			
100	QPSK	1	137		14.87		16.5	0.0
100	QPSK	1	271		14.79			
100	QPSK	135	0		14.81		16.5	0.0
100	QPSK	135	69		14.83		16.5	0.0
100	QPSK	135	138		14.81		16.5	0.0
100	QPSK	270	0		14.74		16.5	0.0
100	16QAM	1	1		14.84		16.5	0.0
100	64QAM	1	1		14.88		16.5	0.0
100	256QAM	1	1		14.84		16.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3485	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	14.77	14.81	14.88	16.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	14.72	14.80	14.88	16.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	14.74	14.84	14.71	16.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	14.77	14.83	14.69	16.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	14.77	14.82	14.71	16.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	14.74	14.80	14.70	16.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	14.77	14.84	14.66	16.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	14.77	14.85	14.72	16.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	14.76	14.80	14.71	16.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	14.77	14.85	14.67	16.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	14.72	14.86	14.69	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		17.92			
100	1/2 BPSK	1	137		17.89		19.5	0.0
100	1/2 BPSK	1	271		17.81			
100	1/2 BPSK	135	0		17.90		19.5	0.0
100	1/2 BPSK	135	69		17.89		19.5	0.0
100	1/2 BPSK	135	138		17.93			
100	1/2 BPSK	270	0		17.86		19.5	0.0
100	QPSK	1	1		17.85			
100	QPSK	1	137		17.88		19.5	0.0
100	QPSK	1	271		17.90			
100	QPSK	135	0		17.90		19.5	0.0
100	QPSK	135	69		17.91		19.5	0.0
100	QPSK	135	138		17.78		19.5	0.0
100	QPSK	270	0		17.84		19.5	0.0
100	16QAM	1	1		17.86		19.5	0.0
100	64QAM	1	1		17.90		19.5	0.0
100	256QAM	1	1		17.81		19.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3485	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	17.77	17.89	17.85	19.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	17.78	17.87	17.87	19.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	17.77	17.90	17.84	19.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	17.78	17.80	17.83	19.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	17.78	17.89	17.82	19.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	17.82	17.91	17.88	19.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	17.82	17.81	17.85	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	17.82	17.86	17.85	19.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	17.76	17.89	17.85	19.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	17.80	17.91	17.85	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	17.82	17.92	17.87	19.5	0.0

Part270 n77 Ant8 Main_PA DSI 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	14.83	14.79	14.66			
100	1/2 BPSK	1	137	14.74	14.75	14.71	16.0	0.0	
100	1/2 BPSK	1	271	14.83	14.80	14.64			
100	1/2 BPSK	135	0	14.83	14.80	14.71	16.0	0.0	
100	1/2 BPSK	135	69	14.76	14.78	14.65	16.0	0.0	
100	1/2 BPSK	135	138	14.75	14.81	14.67	16.0	0.0	
100	1/2 BPSK	270	0	14.73	14.83	14.72			
100	QPSK	1	1	14.87	14.89	14.76			
100	QPSK	1	137	14.77	14.79	14.71	16.0	0.0	
100	QPSK	1	271	14.77	14.79	14.62			
100	QPSK	135	0	14.80	14.79	14.70	16.0	0.0	
100	QPSK	135	69	14.76	14.82	14.72	16.0	0.0	
100	QPSK	135	138	14.77	14.81	14.69			
100	QPSK	270	0	14.70	14.71	14.65	16.0	0.0	
100	16QAM	1	1	14.77	14.80	14.63	16.0	0.0	
100	64QAM	1	1	14.79	14.77	14.63	16.0	0.0	
100	256QAM	1	1	14.81	14.79	14.70	16.0	0.0	
Channel				649668	656000	662334	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	14.79	14.80	14.73	16.0	0.0	
Channel				649334	656000	662668	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	14.84	14.80	14.73	16.0	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	14.84	14.81	14.73	16.0	0.0	
Channel				648668	656000	663334	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	14.83	14.82	14.70	16.0	0.0	
Channel				648334	656000	663668	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	14.81	14.84	14.68	16.0	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	14.78	14.83	14.68	16.0	0.0	
Channel				647668	656000	664334	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	14.81	14.85	14.73	16.0	0.0	
Channel				647300	656000	664500	Tune-up	MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	14.80	14.80	14.70	16.0	0.0	
Channel				647334	656000	664668	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	14.82	14.82	14.70	16.0	0.0	
Channel				647168	656000	664334	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	14.79	14.80	14.67	16.0	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	14.82	14.85	14.68	16.0	0.0	

Part270 n77 Ant8 Main_PA DSI 6 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	17.81	17.81	17.70			
100	1/2 BPSK	1	137	17.87	17.93	17.76	19.0	0.0	
100	1/2 BPSK	1	271	17.86	17.88	17.72			
100	1/2 BPSK	135	0	17.84	17.96	17.76	19.0	0.0	
100	1/2 BPSK	135	69	17.79	17.90	17.78	19.0	0.0	
100	1/2 BPSK	135	138	17.87	17.92	17.76	19.0	0.0	
100	1/2 BPSK	270	0	17.88	17.97	17.75			
100	QPSK	1	1	17.92	18.02	17.84			
100	QPSK	1	137	17.80	17.96	17.73	19.0	0.0	
100	QPSK	1	271	17.82	17.92	17.79			
100	QPSK	135	0	17.79	17.91	17.70	19.0	0.0	
100	QPSK	135	69	17.84	17.93	17.81	19.0	0.0	
100	QPSK	135	138	17.81	17.92	17.80			
100	QPSK	270	0	17.81	17.86	17.78	19.0	0.0	
100	16QAM	1	1	17.81	17.90	17.76	19.0	0.0	
100	64QAM	1	1	17.78	17.88	17.76	19.0	0.0	
100	256QAM	1	1	17.81	17.92	17.74	19.0	0.0	
Channel				649668	656000	662334	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	17.86	17.95	17.79	19.0	0.0	
Channel				649334	656000	662668	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	17.89	17.95	17.78	19.0	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	17.88	17.94	17.81	19.0	0.0	
Channel				648668	656000	663334	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	17.84	17.95	17.79	19.0	0.0	
Channel				648334	656000	663668	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	17.87	17.99	17.75	19.0	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	17.87	17.93	17.76	19.0	0.0	
Channel				647668	656000	664334	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	17.88	17.95	17.77	19.0	0.0	
Channel				647500	656000	664500	Tune-up	MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	17.85	17.94	17.81	19.0	0.0	
Channel				647334	656000	664668	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	17.85	17.99	17.78	19.0	0.0	
Channel				647168	656000	664334	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	17.87	17.94	17.79	19.0	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	17.87	17.97	17.77	19.0	0.0	



Part27Q n77 Ant8 Main_PA DSI 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			16.0	0.0	
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		14.43		16.0	0.0	
100	1/2 BPSK	1	137		14.42				
100	1/2 BPSK	1	271		14.45		16.0	0.0	
100	1/2 BPSK	135	0		14.44				
100	1/2 BPSK	135	69		14.44		16.0	0.0	
100	1/2 BPSK	135	138		14.48				
100	1/2 BPSK	270	0		14.45		16.0	0.0	
100	QPSK	1	1		14.55				
100	QPSK	1	137		14.41		16.0	0.0	
100	QPSK	1	271		14.49				
100	QPSK	135	0		14.42		16.0	0.0	
100	QPSK	135	69		14.51				
100	QPSK	135	138		14.50		16.0	0.0	
100	QPSK	270	0		14.48				
100	16QAM	1	1		14.43		16.0	0.0	
100	64QAM	1	1		14.42				
100	256QAM	1	1		14.49		16.0	0.0	
Channel				633000	633334	633668		Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)	
90	QPSK	1	1	14.46	14.47	14.42	16.0	0.0	
Channel				632668	633334	634000	16.0	0.0	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	14.45	14.49	14.39	16.0	0.0	
Channel				632334	633334	634334	16.0	0.0	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	14.48	14.52	14.36	16.0	0.0	
Channel				632000	633334	634668	16.0	0.0	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	14.47	14.49	14.38	16.0	0.0	
Channel				631668	633334	635000	16.0	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	14.48	14.49	14.42	16.0	0.0	
Channel				631334	633334	635334	16.0	0.0	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	14.44	14.51	14.41	16.0	0.0	
Channel				631000	633334	635668	16.0	0.0	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	14.46	14.47	14.41	16.0	0.0	
Channel				630834	633334	635834	16.0	0.0	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	14.46	14.47	14.42	16.0	0.0	
Channel				630668	633334	636000	16.0	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	14.42	14.52	14.38	16.0	0.0	
Channel				630500	633334	636168	16.0	0.0	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	14.48	14.50	14.41	16.0	0.0	
Channel				630334	633334	636334	16.0	0.0	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	14.46	14.47	14.42	16.0	0.0	

Part27Q n77 Ant8 Main_PA DSI 6 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			19.0	0.0	
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1		17.49		19.0	0.0	
100	1/2 BPSK	1	137		17.51				
100	1/2 BPSK	1	271		17.56		19.0	0.0	
100	1/2 BPSK	135	0		17.51				
100	1/2 BPSK	135	69		17.50		19.0	0.0	
100	1/2 BPSK	135	138		17.54				
100	1/2 BPSK	270	0		17.49		19.0	0.0	
100	QPSK	1	1		17.61				
100	QPSK	1	137		17.48		19.0	0.0	
100	QPSK	1	271		17.56				
100	QPSK	135	0		17.50		19.0	0.0	
100	QPSK	135	69		17.55				
100	QPSK	135	138		17.51		19.0	0.0	
100	QPSK	270	0		17.49				
100	16QAM	1	1		17.50		19.0	0.0	
100	64QAM	1	1		17.50				
100	256QAM	1	1		17.52		19.0	0.0	
Channel				633000	633334	633668		Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)	
90	QPSK	1	1	17.50	17.58	17.45	19.0	0.0	
Channel				632668	633334	634000	19.0	0.0	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.51	17.58	17.46	19.0	0.0	
Channel				632334	633334	634334	19.0	0.0	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.46	17.54	17.44	19.0	0.0	
Channel				632000	633334	634668	19.0	0.0	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.47	17.52	17.49	19.0	0.0	
Channel				631668	633334	635000	19.0	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.51	17.55	17.49	19.0	0.0	
Channel				631334	633334	635334	19.0	0.0	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.51	17.56	17.50	19.0	0.0	
Channel				631000	633334	635668	19.0	0.0	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.46	17.53	17.45	19.0	0.0	
Channel				630834	633334	635834	19.0	0.0	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	17.46	17.56	17.50	19.0	0.0	
Channel				630668	633334	636000	19.0	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.46	17.52	17.47	19.0	0.0	
Channel				630500	633334	636168	19.0	0.0	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	17.46	17.58	17.48	19.0	0.0	
Channel				630334	633334	636334	19.0	0.0	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	17.50	17.54	17.49	19.0	0.0	

Part27O n78 Ant8 Main_PA DSI 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000		16.0	0.0	
Frequency (MHz)					3750				
100	1/2 BPSK	1	1		14.90		16.0	0.0	
100	1/2 BPSK	1	137		14.89				
100	1/2 BPSK	1	271		14.90		16.0	0.0	
100	1/2 BPSK	135	0		14.92				
100	1/2 BPSK	135	69		14.96		16.0	0.0	
100	1/2 BPSK	135	138		14.94				
100	1/2 BPSK	270	0		14.93		16.0	0.0	
100	QPSK	1	1		15.02				
100	QPSK	1	137		14.89		16.0	0.0	
100	QPSK	1	271		14.95				
100	QPSK	135	0		14.91		16.0	0.0	
100	QPSK	135	69		14.95				
100	QPSK	135	138		14.85		16.0	0.0	
100	QPSK	270	0		14.89				
100	16QAM	1	1		14.88		16.0	0.0	
100	16QAM	1	1		14.94				
100	256QAM	1	1		14.95		16.0	0.0	
Channel					649668	650000			
Frequency (MHz)					3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	14.82	14.95	14.76	16.0	0.0	
Channel					649334	650000	650668	Tune-up	MPR
Frequency (MHz)					3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	14.85	14.97	14.77	16.0	0.0	
Channel					649000	650000	651000	Tune-up	MPR
Frequency (MHz)					3735	3750	3765	limit	(dB)
70	QPSK	1	1	14.85	14.97	14.80	16.0	0.0	
Channel					648668	650000	651334	Tune-up	MPR
Frequency (MHz)					3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	14.84	14.99	14.75	16.0	0.0	
Channel					648334	650000	651668	Tune-up	MPR
Frequency (MHz)					3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	14.89	14.98	14.77	16.0	0.0	
Channel					648000	650000	652000	Tune-up	MPR
Frequency (MHz)					3720	3750	3780	limit	(dB)
40	QPSK	1	1	14.85	14.95	14.79	16.0	0.0	
Channel					647668	650000	652334	Tune-up	MPR
Frequency (MHz)					3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	14.89	14.97	14.74	16.0	0.0	
Channel					647500	650000	652500	Tune-up	MPR
Frequency (MHz)					3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	14.81	14.93	14.75	16.0	0.0	
Channel					647334	650000	652668	Tune-up	MPR
Frequency (MHz)					3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	14.84	14.96	14.75	16.0	0.0	
Channel					647168	650000	652834	Tune-up	MPR
Frequency (MHz)					3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	14.80	14.98	14.74	16.0	0.0	
Channel					647000	650000	653000	Tune-up	MPR
Frequency (MHz)					3705	3750	3795	limit	(dB)
10	QPSK	1	1	14.58	14.89	14.81	16.0	0.0	

Part27O n78 Ant8 Main_PA DSI 6**PC2**

BW [MHz]	Modulati on	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	1/2 BPSK	1	1		18.19			
100	1/2 BPSK	1	137		18.19		19.0	0.0
100	1/2 BPSK	1	271		18.16			
100	1/2 BPSK	135	0		18.11		19.0	0.0
100	1/2 BPSK	135	69		18.20		19.0	0.0
100	1/2 BPSK	135	138		18.20		19.0	0.0
100	1/2 BPSK	270	0		18.12			
100	QPSK	1	1		18.24			
100	QPSK	1	137		18.11		19.0	0.0
100	QPSK	1	271		18.15			
100	QPSK	135	0		18.15		19.0	0.0
100	QPSK	135	69		18.18		19.0	0.0
100	QPSK	135	138		18.15		19.0	0.0
100	QPSK	270	0		18.16			
100	16QAM	1	1		18.13		19.0	0.0
100	64QAM	1	1		18.13		19.0	0.0
100	256QAM	1	1		18.16		19.0	0.0
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	18.14	18.15	18.10	19.0	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	18.14	18.18	18.14	19.0	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	18.15	18.20	18.15	19.0	0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	18.15	18.21	18.14	19.0	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	18.15	18.18	18.10	19.0	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	18.17	18.18	18.13	19.0	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	18.14	18.17	18.14	19.0	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	18.15	18.20	18.10	19.0	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	18.12	18.17	18.15	19.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	18.12	18.19	18.16	19.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	18.18	18.15	18.15	19.0	0.0

Part27Q n78 Ant8 Main_PA DSI 6

BW [MHz]	Modulati on	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	1/2 BPSK	1	1		14.31			
100	1/2 BPSK	1	137		14.31		16.0	0.0
100	1/2 BPSK	1	271		14.37			
100	1/2 BPSK	135	0		14.40		16.0	0.0
100	1/2 BPSK	135	69		14.38		16.0	0.0
100	1/2 BPSK	135	138		14.32		16.0	0.0
100	1/2 BPSK	270	0		14.36			
100	QPSK	1	1		14.44			
100	QPSK	1	137		14.37		16.0	0.0
100	QPSK	1	271		14.36			
100	QPSK	135	0		14.36		16.0	0.0
100	QPSK	135	69		14.39		16.0	0.0
100	QPSK	135	138		14.31		16.0	0.0
100	QPSK	270	0		14.35			
100	16QAM	1	1		14.40		16.0	0.0
100	64QAM	1	1		14.33		16.0	0.0
100	256QAM	1	1		14.34		16.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	14.32	14.40	14.34	16.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	14.38	14.39	14.36	16.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	14.37	14.37	14.33	16.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	14.36	14.40	14.30	16.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	14.34	14.37	14.31	16.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	14.32	14.36	14.33	16.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	14.34	14.35	14.34	16.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	14.34	14.37	14.34	16.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	14.32	14.41	14.35	16.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	14.37	14.39	14.36	16.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	14.35	14.38	14.32	16.0	0.0

Part27Q n78 Ant8 Main_PA DSI 6 PC2

BW [MHz]	Modulati on	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	1/2 BPSK	1	1		17.51			
100	1/2 BPSK	1	137		17.46		19.0	0.0
100	1/2 BPSK	1	271		17.46			
100	1/2 BPSK	135	0		17.55		19.0	0.0
100	1/2 BPSK	135	69		17.49		19.0	0.0
100	1/2 BPSK	135	138		17.51		19.0	0.0
100	1/2 BPSK	270	0		17.51			
100	QPSK	1	1		17.59			
100	QPSK	1	137		17.47		19.0	0.0
100	QPSK	1	271		17.50			
100	QPSK	135	0		17.51		19.0	0.0
100	QPSK	135	69		17.52		19.0	0.0
100	QPSK	135	138		17.45		19.0	0.0
100	QPSK	270	0		17.46			
100	16QAM	1	1		17.55		19.0	0.0
100	64QAM	1	1		17.48		19.0	0.0
100	256QAM	1	1		17.53		19.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	17.43	17.54	17.42	19.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	17.46	17.53	17.41	19.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	17.46	17.55	17.40	19.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	17.48	17.53	17.42	19.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	17.45	17.55	17.38	19.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	17.48	17.55	17.42	19.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	17.45	17.52	17.39	19.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	17.47	17.56	17.39	19.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	17.45	17.52	17.39	19.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	17.45	17.53	17.42	19.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	17.41	17.45	17.43	19.0	0.0

Reduced Power Mode for NSA DSI 7

n7 Ant0 Main_PA DSI 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	21.29	21.40	21.22			
40	1/2 BPSK	1	108	21.31	21.40	21.27	22.0	0.0	
40	1/2 BPSK	1	214	21.38	21.38	21.24			
40	1/2 BPSK	108	0	21.30	21.42	21.21	22.0	0.0	
40	1/2 BPSK	108	54	21.28	21.44	21.23	22.0	0.0	
40	1/2 BPSK	108	108	21.30	21.34	21.23	22.0	0.0	
40	1/2 BPSK	216	0	21.35	21.38	21.25			
40	QPSK	1	1	21.39	21.45	21.32			
40	QPSK	1	108	21.29	21.41	21.23	22.0	0.0	
40	QPSK	1	214	21.30	21.42	21.27			
40	QPSK	108	0	21.32	21.40	21.22	22.0	0.0	
40	QPSK	108	54	21.35	21.41	21.27	22.0	0.0	
40	QPSK	108	108	21.30	21.39	21.29	22.0	0.0	
40	QPSK	216	0	21.29	21.33	21.21			
40	16QAM	1	1	21.31	21.43	21.22	22.0	0.0	
40	16QAM	1	1	21.35	21.38	21.27	22.0	0.0	
40	256QAM	1	1	19.34	19.37	19.31	20.0	2.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)	
35	QPSK	1	1	21.33	21.40	21.29	22.0	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit	(dB)	
30	QPSK	1	1	21.34	21.31	21.25	22.0	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)	
25	QPSK	1	1	21.33	21.35	21.28	22.0	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit	(dB)	
20	1/2 BPSK	1	1	21.30	21.40	21.29	22.0	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)	
15	QPSK	1	1	21.35	21.39	21.29	22.0	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit	(dB)	
10	QPSK	1	1	21.38	21.39	21.28	22.0	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)	
5	QPSK	1	1	21.34	21.40	21.26	22.0	0.0	

n66 Ant0 Other PA DSI 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	21.25	21.31	21.26			
40	1/2 BPSK	1	108	21.17	21.25	21.33	21.7	0.0	
40	1/2 BPSK	1	214	21.14	21.27	21.29			
40	1/2 BPSK	108	0	21.24	21.21	21.21	21.7	0.0	
40	1/2 BPSK	108	54	21.27	21.22	21.33	21.7	0.0	
40	1/2 BPSK	108	108	21.29	21.23	21.28	21.7	0.0	
40	1/2 BPSK	216	0	21.22	21.25	21.27			
40	QPSK	1	1	21.17	21.38	21.23			
40	QPSK	1	108	21.24	21.31	21.19	21.7	0.0	
40	QPSK	1	214	21.22	21.24	21.29			
40	QPSK	108	0	21.28	21.34	21.23	21.7	0.0	
40	QPSK	108	54	21.20	21.37	21.32	21.7	0.0	
40	QPSK	108	108	21.22	21.28	21.34	21.7	0.0	
40	QPSK	216	0	21.29	21.35	21.33			
40	16QAM	1	1	21.26	21.24	21.24	21.7	0.0	
40	16QAM	1	1	21.14	21.20	21.30	21.7	0.0	
40	256QAM	1	1	21.01	21.09	20.98	21.2	0.5	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	21.09	21.32	21.20	21.7	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	21.14	21.33	21.19	21.7	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	21.11	21.31	21.16	21.7	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	21.12	21.31	21.15	21.7	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	21.08	21.35	21.16	21.7	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	21.10	21.35	21.19	21.7	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	21.09	21.31	21.20	21.7	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	23.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.78	22.81	22.73		
40	PI/2 BPSK	1	53	22.73	22.80	22.72	23.0	0.0
40	PI/2 BPSK	1	104	22.76	22.86	22.70		
40	PI/2 BPSK	50	0	22.72	22.83	22.70		
40	PI/2 BPSK	50	28	22.74	22.87	22.76	23.0	0.0
40	PI/2 BPSK	50	56	22.72	22.79	22.74		
40	PI/2 BPSK	100	0	22.72	22.83	22.68		
40	QPSK	1	1	22.81	22.89	22.78	23.0	0.0
40	QPSK	1	53	22.79	22.82	22.72		
40	QPSK	1	104	22.72	22.84	22.76		
40	QPSK	50	0	22.78	22.81	22.74	23.0	0.0
40	QPSK	50	28	22.74	22.83	22.74		
40	QPSK	50	56	22.74	22.82	22.71		
40	QPSK	100	0	22.69	22.75	22.71	23.0	0.0
40	16QAM	1	1	22.77	22.78	22.67		
40	64QAM	1	1	21.21	21.26	21.17		
40	256QAM	1	1	19.15	19.22	19.15	19.5	3.5
Channel				517002	519000	520998	Tune-up limit	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.76	22.84	22.72		
Channel				516504	519000	521496	Tune-up limit	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.74	22.82	22.74		
Channel				516000	519000	522000	Tune-up limit	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.77	22.85	22.75		
Channel				515502	519000	522498	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.74	22.86	22.71		
Channel				515004	519000	522996	Tune-up limit	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.71	22.80	22.71		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.01	22.08	22.01		
100	PI/2 BPSK	1	137	22.02	22.05	21.97	22.5	0.0
100	PI/2 BPSK	1	271	22.01	22.10	21.99		
100	PI/2 BPSK	135	0	21.96	22.01	21.96		
100	PI/2 BPSK	135	69	22.04	22.00	22.03	22.5	0.0
100	PI/2 BPSK	135	138	21.96	22.06	21.95		
100	PI/2 BPSK	270	0	21.97	22.10	21.99		
100	QPSK	1	1	22.06	22.11	22.05	22.5	0.0
100	QPSK	1	137	21.97	22.10	21.97		
100	QPSK	1	271	21.98	22.00	21.96		
100	QPSK	135	0	22.02	22.05	21.96	22.5	0.0
100	QPSK	135	69	22.01	22.06	21.95		
100	QPSK	135	138	21.99	22.02	22.00		
100	QPSK	270	0	21.89	21.91	21.78	22.5	0.0
100	16QAM	1	1	21.99	22.05	21.97		
100	64QAM	1	1	21.96	22.08	21.99		
100	256QAM	1	1	21.67	21.71	21.69	22.0	0.5
Channel				508200	518598	528996	Tune-up limit	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.01	22.04	22.00		
Channel				507204	518598	529998	Tune-up limit	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.02	22.06	21.95		
Channel				506202	518598	531000	Tune-up limit	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.04	22.05	21.94		
Channel				505200	518598	531996	Tune-up limit	MPR (dB)
Frequency (MHz)				2526	42.71	2659.98		
60	QPSK	1	1	21.95	22.00	21.98		
Channel				504204	518598	532998	Tune-up limit	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.98	22.03	22.03		
Channel				503202	518598	534000	Tune-up limit	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.97	22.07	21.97		
Channel				502200	518598	534996	Tune-up limit	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.99	22.07	22.02		
Channel				502200	518598	534996	Tune-up limit	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
25	QPSK	1	1	22.01	22.07	22.00		
Channel				501204	518598	535998	Tune-up limit	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.95	22.03	22.04		
Channel				500700	518598	536496	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.96	22.01	22.03		
Channel				500202	518598	537000	Tune-up limit	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.96	22.06	21.96		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	21.74	21.74	21.76	22.5	0.0
40	1/2 BPSK	1	108	21.75	21.70	21.76		
40	1/2 BPSK	1	214	21.76	21.74	21.74		
40	1/2 BPSK	108	0	21.72	21.73	21.71	22.5	0.0
40	1/2 BPSK	108	54	21.77	21.71	21.74	22.5	0.0
40	1/2 BPSK	108	108	21.70	21.70	21.77	22.5	0.0
40	1/2 BPSK	216	0	21.77	21.71	21.73	22.5	0.0
40	QPSK	1	1	21.71	21.73	21.75	22.5	0.0
40	QPSK	1	108	21.75	21.70	21.70		
40	QPSK	1	214	21.69	21.75	21.68		
40	QPSK	108	0	21.68	21.71	21.70	22.5	0.0
40	QPSK	108	54	21.85	21.72	21.69	22.5	0.0
40	QPSK	108	108	21.71	21.67	21.71	22.5	0.0
40	QPSK	216	0	21.61	21.68	21.65	22.5	0.0
40	16QAM	1	1	21.75	21.75	21.72	22.5	0.0
40	16QAM	1	1	21.15	21.21	21.15	22.0	0.5
40	256QAM	1	1	19.12	19.22	19.12	20.0	2.5
Channel				503500	507000	510500	Tune-up MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)	
35	QPSK	1	1	21.68	21.73	21.75	22.5	0.0
Channel				503000	507000	511000	Tune-up MPR	
Frequency (MHz)				2515	2535	2555	limit (dB)	
30	QPSK	1	1	21.69	21.71	21.76	22.5	0.0
Channel				502500	507000	511500	Tune-up MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)	
25	QPSK	1	1	21.77	21.68	21.75	22.5	0.0
Channel				502000	507000	512000	Tune-up MPR	
Frequency (MHz)				2510	2535	2560	limit (dB)	
20	1/2 BPSK	1	1	21.69	21.69	21.72	22.5	0.0
Channel				501500	507000	512500	Tune-up MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)	
15	QPSK	1	1	21.75	21.68	21.77	22.5	0.0
Channel				501000	507000	513000	Tune-up MPR	
Frequency (MHz)				2505	2535	2565	limit (dB)	
10	QPSK	1	1	21.76	21.77	21.77	22.5	0.0
Channel				500500	507000	513500	Tune-up MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)	
5	QPSK	1	1	21.69	21.68	21.70	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 346000	Power Middle Ch. Freq. 349000	Power High Ch. Freq. 352000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760		
Frequency (MHz)								
40	1/2 BPSK	1	1	22.21	22.18	22.21	22.7	0.0
40	1/2 BPSK	1	108	22.21	22.25	22.22		
40	1/2 BPSK	1	214	22.20	22.15	22.18		
40	1/2 BPSK	108	0	22.16	22.22	22.16	22.7	0.0
40	1/2 BPSK	108	54	22.16	22.17	22.20	22.7	0.0
40	1/2 BPSK	108	108	22.18	22.21	22.21	22.7	0.0
40	1/2 BPSK	216	0	22.20	22.18	22.18	22.7	0.0
40	QPSK	1	1	22.21	22.26	22.19	22.7	0.0
40	QPSK	1	108	22.20	22.24	22.22		
40	QPSK	1	214	22.22	22.21	22.17		
40	QPSK	108	0	22.11	22.11	22.11	22.7	0.0
40	QPSK	108	54	22.15	22.16	22.13	22.7	0.0
40	QPSK	108	108	22.15	22.12	22.11	22.7	0.0
40	QPSK	216	0	22.01	22.11	22.05	22.7	0.0
40	16QAM	1	1	22.16	22.21	22.17	22.7	0.0
40	16QAM	1	1	22.23	22.20	22.17	22.7	0.0
40	256QAM	1	1	21.09	21.13	21.09	21.2	1.5
Channel				345800	349000	352800	Tune-up MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)	
35	QPSK	1	1	22.16	22.19	22.22	22.7	0.0
Channel				345000	349000	353000	Tune-up MPR	
Frequency (MHz)				1725	1745	1765	limit (dB)	
30	QPSK	1	1	22.21	22.21	22.16	22.7	0.0
Channel				344500	349000	353500	Tune-up MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)	
25	QPSK	1	1	22.20	22.18	22.21	22.7	0.0
Channel				344000	349000	354000	Tune-up MPR	
Frequency (MHz)				1720	1745	1770	limit (dB)	
20	1/2 BPSK	1	1	22.20	22.18	22.21	22.7	0.0
Channel				343500	349000	354500	Tune-up MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)	
15	QPSK	1	1	22.16	22.18	22.17	22.7	0.0
Channel				343000	349000	355000	Tune-up MPR	
Frequency (MHz)				1715	1745	1775	limit (dB)	
10	QPSK	1	1	22.20	22.21	22.20	22.7	0.0
Channel				342500	349000	355500	Tune-up MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)	
5	QPSK	1	1	22.15	22.20	22.18	22.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	19.01	19.05	18.96	19.5	0.0
40	1/2 BPSK	1	53	18.99	19.06	19.00		
40	1/2 BPSK	1	104	19.00	19.09	18.99		
40	1/2 BPSK	50	0	19.04	19.05	19.00	19.5	0.0
40	1/2 BPSK	50	28	18.97	19.06	18.96		
40	1/2 BPSK	50	56	19.01	19.07	18.97	19.5	0.0
40	1/2 BPSK	100	0	19.04	19.07	18.94		
40	QPSK	1	1	19.06	19.12	19.03		
40	QPSK	1	53	19.04	19.10	18.93	19.5	0.0
40	QPSK	1	104	19.03	19.02	18.92		
40	QPSK	50	0	19.02	19.01	18.93	19.5	0.0
40	QPSK	50	28	19.01	19.05	18.95	19.5	0.0
40	QPSK	50	56	18.97	19.01	18.97	19.5	0.0
40	QPSK	100	0	19.01	19.02	18.85		
40	16QAM	1	1	19.00	19.08	19.01	19.5	0.0
40	64QAM	1	1	19.00	19.10	18.94	19.5	0.0
40	256QAM	1	1	18.96	18.99	18.88	19.5	0.0
Channel				517002	519000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	18.98	19.07	19.01	19.5	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	19.03	19.04	18.99	19.5	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	18.95	19.06	18.98	19.5	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	19.03	19.06	18.99	19.5	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	18.97	19.08	19.01	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	19.57	19.65	19.61		
100	1/2 BPSK	1	137	19.57	19.63	19.57	20.5	0.0
100	1/2 BPSK	1	271	19.54	19.67	19.65		
100	1/2 BPSK	135	0	19.56	19.66	19.64	20.5	0.0
100	1/2 BPSK	135	69	19.59	19.68	19.56	20.5	0.0
100	1/2 BPSK	135	138	19.61	19.66	19.60	20.5	0.0
100	1/2 BPSK	270	0	19.60	19.62	19.62		
100	QPSK	1	1	19.65	19.72	19.66		
100	QPSK	1	137	19.57	19.71	19.57	20.5	0.0
100	QPSK	1	271	19.63	19.62	19.61		
100	QPSK	135	0	19.58	19.61	19.57	20.5	0.0
100	QPSK	135	69	19.60	19.64	19.57	20.5	0.0
100	QPSK	135	138	19.62	19.61	19.56	20.5	0.0
100	QPSK	270	0	19.51	19.54	19.45	20.5	0.0
100	16QAM	1	1	19.62	19.64	19.57	20.5	0.0
100	64QAM	1	1	19.56	19.65	19.57	20.5	0.0
100	256QAM	1	1	18.58	18.62	18.60	19.5	1.0
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	19.63	19.64	19.58	20.5	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	19.58	19.68	19.64	20.5	1.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	19.56	19.69	19.62	20.5	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2526	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	19.63	19.65	19.60	20.5	1.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	19.56	19.64	19.62	20.5	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	19.55	19.68	19.58	20.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	19.59	19.69	19.62	20.5	1.0
Channel				501202	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
25	QPSK	1	1	19.61	19.62	19.53	20.5	1.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	19.55	19.64	19.57	20.5	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	19.58	19.62	19.56	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	17.43	17.47	17.38		
100	1/2 BPSK	1	137	17.47	17.50	17.32	18.0	0.0
100	1/2 BPSK	1	271	17.40	17.51	17.39		
100	1/2 BPSK	135	0	17.41	17.47	17.35	18.0	0.0
100	1/2 BPSK	135	69	17.44	17.51	17.38	18.0	0.0
100	1/2 BPSK	135	138	17.45	17.54	17.33	18.0	0.0
100	1/2 BPSK	270	0	17.44	17.49	17.40		
100	QPSK	1	1	17.49	17.55	17.42		
100	QPSK	1	137	17.48	17.45	17.39	18.0	0.0
100	QPSK	1	271	17.40	17.47	17.38		
100	QPSK	135	0	17.39	17.49	17.37	18.0	0.0
100	QPSK	135	69	17.41	17.52	17.38	18.0	0.0
100	QPSK	135	138	17.44	17.45	17.40	18.0	0.0
100	QPSK	270	0	17.42	17.46	17.35		
100	16QAM	1	1	17.40	17.52	17.40	18.0	0.0
100	64QAM	1	1	17.46	17.51	17.38	18.0	0.0
100	256QAM	1	1	17.39	17.50	17.37	18.0	0.0
Channel				649668	656000	662334	Tune-up	MPR
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	17.44	17.52	17.35	18.0	0.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	17.40	17.51	17.35	18.0	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit	(dB)
70	QPSK	1	1	17.40	17.52	17.34	18.0	0.0
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	17.40	17.45	17.33	18.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	17.40	17.49	17.35	18.0	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3960	limit	(dB)
40	QPSK	1	1	17.44	17.51	17.33	18.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	17.40	17.51	17.39	18.0	0.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	17.46	17.52	17.33	18.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	17.41	17.48	17.39	18.0	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	17.44	17.52	17.39	18.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
10	QPSK	1	1	17.41	17.45	17.34	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	20.26	20.32	20.26		
100	1/2 BPSK	1	137	20.32	20.37	20.26	21.0	0.0
100	1/2 BPSK	1	271	20.25	20.29	20.22		
100	1/2 BPSK	135	0	20.33	20.34	20.23	21.0	0.0
100	1/2 BPSK	135	69	20.33	20.35	20.28	21.0	0.0
100	1/2 BPSK	135	138	20.32	20.33	20.27	21.0	0.0
100	1/2 BPSK	270	0	20.28	20.36	20.30		
100	QPSK	1	1	20.35	20.38	20.32		
100	QPSK	1	137	20.29	20.29	20.28	21.0	0.0
100	QPSK	1	271	20.28	20.33	20.23		
100	QPSK	135	0	20.27	20.34	20.22	21.0	0.0
100	QPSK	135	69	20.31	20.36	20.25	21.0	0.0
100	QPSK	135	138	20.29	20.32	20.30	21.0	0.0
100	QPSK	270	0	20.27	20.29	20.28		
100	16QAM	1	1	20.32	20.31	20.22	21.0	0.0
100	64QAM	1	1	20.30	20.35	20.26	21.0	0.0
100	256QAM	1	1	20.09	20.17	20.11	21.0	0.0
Channel				649668	656000	662334	Tune-up	MPR
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	20.31	20.31	20.28	21.0	0.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	20.32	20.35	20.26	21.0	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit	(dB)
70	QPSK	1	1	20.28	20.35	20.26	21.0	0.0
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	20.32	20.32	20.23	21.0	0.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	20.28	20.34	20.29	21.0	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3960	limit	(dB)
40	QPSK	1	1	20.30	20.34	20.26	21.0	0.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	20.31	20.34	20.25	21.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	20.32	20.34	20.26	21.0	0.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	20.32	20.34	20.23	21.0	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	20.31	20.35	20.29	21.0	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
10	QPSK	1	1	20.17	20.16	20.15	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	1/2 BPSK	1	1		16.18			
100	1/2 BPSK	1	137		16.14		18.0	0.0
100	1/2 BPSK	1	271		16.12			
100	1/2 BPSK	135	0		16.18		18.0	0.0
100	1/2 BPSK	135	69		16.14		18.0	0.0
100	1/2 BPSK	135	138		16.17		18.0	0.0
100	1/2 BPSK	270	0		16.21			
100	QPSK	1	1		16.22		18.0	0.0
100	QPSK	1	137		16.18			
100	QPSK	1	271		16.20			
100	QPSK	135	0		16.12		18.0	0.0
100	QPSK	135	69		16.16		18.0	0.0
100	QPSK	135	138		16.15		18.0	0.0
100	QPSK	270	0		16.12			
100	16QAM	1	1		16.17		18.0	0.0
100	64QAM	1	1		16.19		18.0	0.0
100	256QAM	1	1		16.17		18.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	16.08	16.18	16.04	18.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	16.07	16.14	16.04	18.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	16.08	16.19	16.04	18.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	16.11	16.16	16.10	18.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	16.11	16.15	16.04	18.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	16.06	16.16	16.06	18.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	16.11	16.17	16.05	18.0	0.0
Channel				630834	633334	635994	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	16.10	16.18	16.05	18.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	16.12	16.13	16.05	18.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	16.09	16.13	16.08	18.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	16.06	16.17	16.06	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		19.70			
100	1/2 BPSK	1	137		19.75		21.0	0.0
100	1/2 BPSK	1	271		19.72			
100	1/2 BPSK	135	0		19.76		21.0	0.0
100	1/2 BPSK	135	69		19.66		21.0	0.0
100	1/2 BPSK	135	138		19.67		21.0	0.0
100	1/2 BPSK	270	0		19.72			
100	QPSK	1	1		19.77			
100	QPSK	1	137		19.76		21.0	0.0
100	QPSK	1	271		19.69			
100	QPSK	135	0		19.61		21.0	0.0
100	QPSK	135	69		19.65		21.0	0.0
100	QPSK	135	138		19.61		21.0	0.0
100	QPSK	270	0		19.62		21.0	0.0
100	16QAM	1	1		19.45		21.0	0.0
100	64QAM	1	1		19.43		21.0	0.0
100	256QAM	1	1		19.49		21.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	19.67	19.69	19.56	21.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	19.65	19.70	19.62	21.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	19.62	19.72	19.62	21.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	19.64	19.68	19.59	21.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	19.62	19.69	19.57	21.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	19.68	19.70	19.59	21.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	19.66	19.69	19.61	21.0	0.0
Channel				630834	633334	635994	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	19.68	19.69	19.62	21.0	0.0
Channel				630668	633334	636334	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	19.66	19.70	19.56	21.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	19.65	19.63	19.52	21.0	0.0
Channel				630334	633334	636000	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	19.33	19.31	19.35	21.0	0.0

Part270 n78 Ant1 Main_PA DSI 7									
BW [MHz]	Modulat on	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	1/2 BPSK	1	1	15.05					
100	1/2 BPSK	1	137	15.06			16.5	0.0	
100	1/2 BPSK	1	271	15.11					
100	1/2 BPSK	135	0	15.07			16.5	0.0	
100	1/2 BPSK	135	69	15.14			16.5	0.0	
100	1/2 BPSK	135	138	15.05					
100	1/2 BPSK	270	0	15.13			16.5	0.0	
100	QPSK	1	1	15.15					
100	QPSK	1	137	15.05			16.5	0.0	
100	QPSK	1	271	15.04					
100	QPSK	135	0	15.08			16.5	0.0	
100	QPSK	135	69	15.12			16.5	0.0	
100	QPSK	135	138	15.05			16.5	0.0	
100	QPSK	270	0	15.07					
100	16QAM	1	1	15.13			16.5	0.0	
100	64QAM	1	1	15.05			16.5	0.0	
100	256QAM	1	1	15.01			16.5	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	14.99	15.06	15.03	16.5	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	14.97	15.06	15.04	16.5	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	14.96	15.10	15.02	16.5	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1	14.93	15.11	15.02	16.5	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)	
50	QPSK	1	1	15.01	15.11	15.02	16.5	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit	(dB)	
40	QPSK	1	1	14.97	15.12	15.03	16.5	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)	
30	QPSK	1	1	14.95	15.07	15.04	16.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
25	QPSK	1	1	14.99	15.07	15.06	16.5	0.0	
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)	
15	QPSK	1	1	14.96	15.09	15.04	16.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit	(dB)	
10	QPSK	1	1	15.02	15.10	15.08	16.5	0.0	

Part270 n78 Ant1 Main_PA DSI 7									
PC2									
BW [MHz]	Modulat on	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	1/2 BPSK	1	1	18.50					
100	1/2 BPSK	1	137	18.46			19.5	0.0	
100	1/2 BPSK	1	271	18.46					
100	1/2 BPSK	135	0	18.46			19.5	0.0	
100	1/2 BPSK	135	69	18.45			19.5	0.0	
100	1/2 BPSK	135	138	18.45					
100	1/2 BPSK	270	0	18.50			19.5	0.0	
100	QPSK	1	1	18.52					
100	QPSK	1	137	18.46			19.5	0.0	
100	QPSK	1	271	18.47					
100	QPSK	135	0	18.41			19.5	0.0	
100	QPSK	135	69	18.46			19.5	0.0	
100	QPSK	135	138	18.43			19.5	0.0	
100	QPSK	270	0	18.44					
100	16QAM	1	1	18.47			19.5	0.0	
100	64QAM	1	1	18.48			19.5	0.0	
100	256QAM	1	1	18.41			19.5	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	18.37	18.44	18.36	19.5	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	18.42	18.43	18.34	19.5	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	18.40	18.43	18.40	19.5	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1	18.39	18.44	18.40	19.5	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)	
50	QPSK	1	1	18.39	18.45	18.38	19.5	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit	(dB)	
40	QPSK	1	1	18.36	18.44	18.38	19.5	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)	
30	QPSK	1	1	18.37	18.43	18.36	19.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
25	QPSK	1	1	18.36	18.47	18.34	19.5	0.0	
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)	
15	QPSK	1	1	18.40	18.46	18.39	19.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit	(dB)	
10	QPSK	1	1	18.41	18.43	18.42	19.5	0.0	

Part27Q n78 Ant1 Main_PA DSI 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		14.79			
100	1/2 BPSK	1	137		14.83		16.5	0.0
100	1/2 BPSK	1	271		14.84			
100	1/2 BPSK	135	0		14.81		16.5	0.0
100	1/2 BPSK	135	69		14.86		16.5	0.0
100	1/2 BPSK	135	138		14.86			
100	1/2 BPSK	270	0		14.85		16.5	0.0
100	QPSK	1	1		14.89			
100	QPSK	1	137		14.87		16.5	0.0
100	QPSK	1	271		14.79			
100	QPSK	135	0		14.81		16.5	0.0
100	QPSK	135	69		14.83		16.5	0.0
100	QPSK	135	138		14.81		16.5	0.0
100	QPSK	270	0		14.74			
100	16QAM	1	1		14.84		16.5	0.0
100	64QAM	1	1		14.88		16.5	0.0
100	256QAM	1	1		14.84		16.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3485	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	14.77	14.81	14.88	16.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	14.72	14.80	14.88	16.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	14.74	14.84	14.71	16.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	14.77	14.83	14.69	16.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	14.77	14.82	14.71	16.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	14.74	14.80	14.70	16.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	14.77	14.84	14.66	16.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	14.77	14.85	14.72	16.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	14.76	14.80	14.71	16.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	14.77	14.85	14.67	16.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	14.72	14.86	14.69	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1		17.92			
100	1/2 BPSK	1	137		17.89		19.5	0.0
100	1/2 BPSK	1	271		17.81			
100	1/2 BPSK	135	0		17.90		19.5	0.0
100	1/2 BPSK	135	69		17.89		19.5	0.0
100	1/2 BPSK	135	138		17.93			
100	1/2 BPSK	270	0		17.86		19.5	0.0
100	QPSK	1	1		17.85			
100	QPSK	1	137		17.88		19.5	0.0
100	QPSK	1	271		17.90			
100	QPSK	135	0		17.90		19.5	0.0
100	QPSK	135	69		17.91		19.5	0.0
100	QPSK	135	138		17.78		19.5	0.0
100	QPSK	270	0		17.84			
100	16QAM	1	1		17.86		19.5	0.0
100	64QAM	1	1		17.90		19.5	0.0
100	256QAM	1	1		17.81		19.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3485	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	17.77	17.89	17.85	19.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	17.78	17.87	17.87	19.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	17.77	17.90	17.84	19.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	17.78	17.80	17.83	19.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	17.78	17.89	17.82	19.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	17.82	17.91	17.88	19.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	17.82	17.81	17.85	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	17.82	17.86	17.85	19.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	17.76	17.89	17.85	19.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	17.80	17.91	17.85	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	17.82	17.92	17.87	19.5	0.0



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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	20.12	20.22	20.21		
100	1/2 BPSK	1	137	20.09	20.18	20.12		
100	1/2 BPSK	1	271	20.09	20.17	20.15		21.5
100	1/2 BPSK	135	0	19.66	19.73	19.65		21.5
100	1/2 BPSK	135	69	20.18	20.26	20.23		21.5
100	1/2 BPSK	135	138	20.12	20.18	20.09		21.5
100	1/2 BPSK	270	0	20.08	20.15	20.10		21.5
100	QPSK	1	1	20.35	20.37	20.26		
100	QPSK	1	137	20.19	20.28	20.20		21.5
100	QPSK	1	271	20.16	20.26	20.19		21.5
100	QPSK	135	0	20.24	20.27	20.21		21.5
100	QPSK	135	69	20.28	20.34	20.32		21.5
100	QPSK	135	138	20.28	20.33	20.31		21.5
100	QPSK	270	0	20.22	20.31	20.21		21.5
100	16QAM	1	1	20.06	20.15	20.06		21.8
100	16QAM	1	1	19.80	19.81	19.73		21.0
100	256QAM	1	1	17.68	17.73	17.66		19.0
Channel				649688	656000	662334	Tune-up	MPR
Frequency (MHz)				3742.02	3840	3935.01	limit (dB)	
90	QPSK	1	1	20.33	20.30	20.22		21.5
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)	
80	QPSK	1	1	20.25	20.31	20.24		21.5
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit (dB)	
70	QPSK	1	1	20.30	20.34	20.23		21.5
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit (dB)	
60	QPSK	1	1	20.33	20.34	20.22		21.5
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3725.01	3840	3955.02	limit (dB)	
50	QPSK	1	1	20.33	20.32	20.19		21.5
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3950	limit (dB)	
40	QPSK	1	1	20.32	20.32	20.18		21.5
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3955.01	limit (dB)	
30	QPSK	1	1	20.24	20.35	20.26		21.5
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3957.5	limit (dB)	
25	QPSK	1	1	20.29	20.32	20.19		21.5
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3959.02	limit (dB)	
20	QPSK	1	1	20.31	20.32	20.24		21.5
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3957.51	limit (dB)	
15	QPSK	1	1	20.30	20.34	20.24		21.5
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3955	limit (dB)	
10	QPSK	1	1	20.32	20.35	20.21		21.5

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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	23.00	23.06	22.98		24.0
100	1/2 BPSK	1	137	22.86	22.95	22.87		24.0
100	1/2 BPSK	1	271	22.94	23.01	22.98		24.0
100	1/2 BPSK	135	0	22.71	22.75	22.65		23.5
100	1/2 BPSK	135	69	22.70	22.71	22.63		24.0
100	1/2 BPSK	135	138	22.92	22.95	22.94		23.5
100	1/2 BPSK	270	0	22.98	23.07	23.01		23.5
100	QPSK	1	1	23.09	23.15	23.09		
100	QPSK	1	137	23.08	23.11	23.05		24.0
100	QPSK	1	271	23.04	23.06	23.04		24.0
100	QPSK	135	0	22.51	22.53	22.45		23.0
100	QPSK	135	69	22.90	22.91	22.85		24.0
100	QPSK	135	138	22.50	22.51	22.45		23.0
100	QPSK	270	0	22.51	22.58	22.50		23.0
100	16QAM	1	1	22.09	22.18	22.12		23.0
100	16QAM	1	1	20.73	20.77	20.70		21.5
100	256QAM	1	1	19.63	19.68	19.63		19.5
Channel				649688	656000	662334	Tune-up	MPR
Frequency (MHz)				3743.02	3840	3935.01	limit (dB)	
90	QPSK	1	1	23.07	23.12	23.07		24.0
Channel				649334	656000	662668	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)	
80	QPSK	1	1	23.02	23.12	23.05		24.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit (dB)	
70	QPSK	1	1	23.04	23.12	23.02		24.0
Channel				648668	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit (dB)	
60	QPSK	1	1	22.99	23.05	23.05		24.0
Channel				648334	656000	663668	Tune-up	MPR
Frequency (MHz)				3725.01	3840	3955.02	limit (dB)	
50	QPSK	1	1	23.07	23.14	23.08		24.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3950	limit (dB)	
40	QPSK	1	1	23.07	23.07	23.04		24.0
Channel				647668	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3955.01	limit (dB)	
30	QPSK	1	1	23.00	23.11	22.99		24.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3957.5	limit (dB)	
25	QPSK	1	1	22.98	23.13	23.03		24.0
Channel				647334	656000	664668	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3959.02	limit (dB)	
20	QPSK	1	1	22.99	23.11	23.07		24.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3957.51	limit (dB)	
15	QPSK	1	1	22.98	23.07	23.02		24.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3955	limit (dB)	
10	QPSK	1	1	23.02	23.10	23.06		24.0

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BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		19.85			
100	1/2 BPSK	1	137		19.87			
100	1/2 BPSK	1	271		19.87			
100	1/2 BPSK	135	0		19.91		21.5	0.0
100	1/2 BPSK	135	69		19.74		21.5	0.0
100	1/2 BPSK	135	138		19.71		21.5	0.0
100	1/2 BPSK	270	0		19.70		21.5	0.0
100	QPSK	1	1		20.00			
100	QPSK	1	137		19.83		21.5	0.0
100	QPSK	1	271		19.85		21.5	0.0
100	QPSK	135	0		19.92		21.5	0.0
100	QPSK	135	69		19.98		21.5	0.0
100	QPSK	135	138		19.91		21.5	0.0
100	QPSK	270	0		19.80		21.5	0.0
100	16QAM	1	1		19.92		21.5	0.0
100	16QAM	1	1		19.35		21.0	0.5
100	256QAM	1	1		17.29		19.0	2.5
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3485	3500.01	3505.02	limit (dB)	
90	QPSK	1	1		19.91	19.93	19.98	21.5
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3480.02	3500.01	3510	limit (dB)	
80	QPSK	1	1		19.92	19.91	19.90	21.5
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3483.01	3500.01	3515.01	limit (dB)	
70	QPSK	1	1		19.98	19.99	19.95	21.5
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1		19.92	19.91	19.95	21.5
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3483.02	3500.01	3525	limit (dB)	
50	QPSK	1	1		19.97	19.98	19.91	21.5
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3480.01	3500.01	3530.01	limit (dB)	
40	QPSK	1	1		19.92	19.90	19.91	21.5
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3485	3500.01	3535.02	limit (dB)	
30	QPSK	1	1		19.91	19.91	19.91	21.5
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3482.51	3500.01	3537.51	limit (dB)	



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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limt (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	1/2 BPSK	1	1	20.04				
100	1/2 BPSK	1	137	20.16			21.5	0.0
100	1/2 BPSK	1	271	20.13				
100	1/2 BPSK	135	0	20.19			21.5	0.0
100	1/2 BPSK	135	69	20.10			21.5	0.0
100	1/2 BPSK	135	138	20.09			21.5	0.0
100	1/2 BPSK	270	0	20.33				
100	QPSK	1	1	20.38				
100	QPSK	1	137	20.20			21.5	0.0
100	QPSK	1	271	20.18				
100	QPSK	135	0	19.92			21.5	0.0
100	QPSK	135	69	20.21			21.5	0.0
100	QPSK	135	138	20.07			21.5	0.0
100	QPSK	270	0	20.03				
100	16QAM	1	1	20.11			21.5	0.0
100	64QAM	1	1	20.17			21.0	0.5
100	256QAM	1	1	19.67			19.0	2.5
Channel								
Frequency (MHz)				649668 650000 650334				
90	QPSK	1	1	20.37	20.32	20.35	21.5	0.0
Channel								
Frequency (MHz)				649334 650000 650668				
80	QPSK	1	1	20.34	20.34	20.28	21.5	0.0
Channel								
Frequency (MHz)				649000 650000 651000				
70	QPSK	1	1	3725	3720	3765	limt	(dB)
Channel								
Frequency (MHz)				648668 650000 651334				
60	QPSK	1	1	20.33	20.28	20.31	21.5	0.0
Channel								
Frequency (MHz)				648334 650000 651668				
50	QPSK	1	1	20.29	20.32	20.34	21.5	0.0
Channel								
Frequency (MHz)				648000 650000 652000				
40	QPSK	1	1	20.31	20.33	20.36	21.5	0.0
Channel								
Frequency (MHz)				647668 650000 652334				
30	QPSK	1	1	20.32	20.27	20.33	21.5	0.0
Channel								
Frequency (MHz)				647500 650000 652500				
25	QPSK	1	1	20.35	20.37	20.32	21.5	0.0
Channel								
Frequency (MHz)				647334 650000 652668				
20	QPSK	1	1	20.34	20.32	20.33	21.5	0.0
Channel								
Frequency (MHz)				647168 650000 652834				
15	QPSK	1	1	20.36	20.27	20.32	21.5	0.0
Channel								
Frequency (MHz)				647000 650000 653000				
10	QPSK	1	1	20.37	20.29	20.29	21.5	0.0

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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limt (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	1/2 BPSK	1	1	23.31			24.0	0.0
100	1/2 BPSK	1	137	23.29				
100	1/2 BPSK	1	271	22.50				
100	1/2 BPSK	135	0	22.56			23.5	0.5
100	1/2 BPSK	135	69	23.25			24.0	0.0
100	1/2 BPSK	135	138	22.90			23.5	0.5
100	1/2 BPSK	270	0	22.97				
100	QPSK	1	1	23.38				
100	QPSK	1	137	23.35			24.0	0.0
100	QPSK	1	271	23.25				
100	QPSK	135	0	22.47			23.0	1.0
100	QPSK	135	69	22.45			24.0	0.0
100	QPSK	135	138	22.46			23.0	1.0
100	QPSK	270	0	22.47				
100	16QAM	1	1	22.39			23.0	1.0
100	64QAM	1	1	19.61			21.5	2.5
100	256QAM	1	1	19.99			19.5	4.5
Channel								
Frequency (MHz)				649668 650000 650334				
90	QPSK	1	1	23.33	23.31	23.37	24.0	0.0
Channel								
Frequency (MHz)				649334 650000 650668				
80	QPSK	1	1	23.30	23.33	23.31	24.0	0.0
Channel								
Frequency (MHz)				649000 650000 651000				
70	QPSK	1	1	3735	3730	3765	limt	(dB)
Channel								
Frequency (MHz)				648668 650000 651334				
60	QPSK	1	1	23.31	23.31	23.33	24.0	0.0
Channel								
Frequency (MHz)				648334 650000 651668				
50	QPSK	1	1	23.33	23.29	23.37	24.0	0.0
Channel								
Frequency (MHz)				648000 650000 652000				
40	QPSK	1	1	23.35	23.35	23.32	24.0	0.0
Channel								
Frequency (MHz)				647668 650000 652334				
30	QPSK	1	1	23.37	23.28	23.35	24.0	0.0
Channel								
Frequency (MHz)				647500 650000 652500				
25	QPSK	1	1	23.31	23.36	23.35	24.0	0.0
Channel								
Frequency (MHz)				647334 650000 652668				
20	QPSK	1	1	23.33	23.32	23.33	24.0	0.0
Channel								
Frequency (MHz)				647168 650000 652834				
15	QPSK	1	1	23.29	23.37	23.34	24.0	0.0
Channel								
Frequency (MHz)				647000 650000 653000				
10	QPSK	1	1	23.38	23.32	23.36	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	19.96			21.5	0.0
100	1/2 BPSK	1	137	19.76				
100	1/2 BPSK	1	271	19.92				
100	1/2 BPSK	135	0	19.78			21.5	0.0
100	1/2 BPSK	135	69	19.71			21.5	0.0
100	1/2 BPSK	135	138	19.97			21.5	0.0
100	1/2 BPSK	270	0	19.80				
100	QPSK	1	1	19.82				
100	QPSK	1	137	19.71			21.5	0.0
100	QPSK	1	271	19.67				
100	QPSK	135	0	19.84			21.5	0.0
100	QPSK	135	69	19.69			21.5	0.0
100	QPSK	135	138	19.62			21.5	0.0
100	QPSK	270	0	19.83				
100	16QAM	1	1	19.66			21.5	0.0
100	64QAM	1	1	19.58			21.0	0.5
100	256QAM	1	1	18.05			19.0	2.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit	(dB)
90	QPSK	1	1	3495	3500.01	3505.02	limt	(dB)
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit	(dB)
80	QPSK	1	1	3490	3500.01	3510	limt	(dB)
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit	(dB)
70	QPSK	1	1	3483.01	3500.01	3516.01	limt	(dB)
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit	(dB)
60	QPSK	1	1	3480	3500.01	3520.02	limt	(dB)
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit	(dB)
50	QPSK	1	1	3479.02	3500.01	3525	limt	(dB)
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit	(dB)
40	QPSK	1	1	3479.75	3500.01	3533.01	limt	(dB)
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit	(dB)
30	QPSK	1	1	3479.25	3500.01	3538.02	limt	(dB)
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit	(dB)
25	QPSK	1	1	3478.75	3500.01	3541.01	limt	(dB)
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit	(dB)
20	QPSK	1	1	3478.25	3500.01	3544.02	limt	(dB)
Channel								
Frequency (MHz)				630000	633334	636668	Tune-up limit	(dB)
15	QPSK	1	1	3477.75	3500.01	3547.01	limt	(dB)
Channel								
Frequency (MHz)				629668	633334	637000	Tune-up limit	(dB)
10	QPSK	1	1	3477.25	3500.01	3550.02	limt	(dB)



Reduced Power Mode for NSA DSI 8

n7 Ant0 Main_PA DSI 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm) MPR (dB)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	1/2 BPSK	1	1	21.29	21.40	21.22	
40	1/2 BPSK	1	108	21.31	21.40	21.27	22.0
40	1/2 BPSK	1	214	21.38	21.38	21.24	
40	1/2 BPSK	108	0	21.30	21.42	21.21	22.0
40	1/2 BPSK	108	54	21.28	21.44	21.23	22.0
40	1/2 BPSK	108	108	21.30	21.34	21.23	22.0
40	1/2 BPSK	216	0	21.35	21.38	21.25	
40	QPSK	1	1	21.39	21.45	21.32	
40	QPSK	1	108	21.29	21.41	21.23	22.0
40	QPSK	1	214	21.30	21.42	21.27	
40	QPSK	108	0	21.32	21.40	21.22	22.0
40	QPSK	108	54	21.35	21.41	21.27	22.0
40	QPSK	108	108	21.30	21.39	21.29	22.0
40	QPSK	216	0	21.29	21.33	21.21	
40	16QAM	1	1	21.31	21.43	21.22	22.0
40	16QAM	1	1	21.35	21.39	21.27	22.0
40	256QAM	1	1	19.34	19.37	19.31	20.0
Channel				503500	507000	510500	Tune-up MPR
Frequency (MHz)				2517.5	2532	2552.5	limit (dB)
35	QPSK	1	1	21.33	21.40	21.29	22.0
Channel				503000	507000	511000	Tune-up MPR
Frequency (MHz)				2515	2532	2550	limit (dB)
30	QPSK	1	1	21.34	21.31	21.28	22.0
Channel				502500	507000	511500	Tune-up MPR
Frequency (MHz)				2512.5	2532	2552.5	limit (dB)
25	QPSK	1	1	21.35	21.35	21.28	22.0
Channel				502000	507000	512000	Tune-up MPR
Frequency (MHz)				2510	2532	2560	limit (dB)
20	1/2 BPSK	1	1	21.36	21.40	21.29	22.0
Channel				501500	507000	512500	Tune-up MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dB)
15	QPSK	1	1	21.36	21.39	21.29	22.0
Channel				501000	507000	513000	Tune-up MPR
Frequency (MHz)				2505	2535	2565	limit (dB)
10	QPSK	1	1	21.36	21.39	21.28	22.0
Channel				500500	507000	513500	Tune-up MPR
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)
5	QPSK	1	1	21.34	21.40	21.28	22.0

n66 Ant0 Other PA DSI 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm) MPR (dB)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	1/2 BPSK	1	1	21.25	21.31	21.28	
40	1/2 BPSK	1	108	21.17	21.25	21.33	21.7
40	1/2 BPSK	1	214	21.14	21.27	21.29	
40	1/2 BPSK	108	0	21.24	21.21	21.21	21.7
40	1/2 BPSK	108	54	21.27	21.22	21.33	21.7
40	1/2 BPSK	108	108	21.29	21.23	21.28	21.7
40	1/2 BPSK	216	0	21.22	21.25	21.27	
40	QPSK	1	1	21.17	21.38	21.23	
40	QPSK	1	108	21.24	21.31	21.19	21.7
40	QPSK	1	214	21.22	21.24	21.29	
40	QPSK	108	0	21.28	21.34	21.23	21.7
40	QPSK	108	54	21.20	21.37	21.32	21.7
40	QPSK	108	108	21.22	21.28	21.34	21.7
40	QPSK	216	0	21.29	21.35	21.33	
40	16QAM	1	1	21.26	21.24	21.24	21.7
40	16QAM	1	1	21.14	21.20	21.30	21.7
40	256QAM	1	1	21.01	21.09	20.98	21.2
Channel				345500	349000	352500	Tune-up MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)
35	QPSK	1	1	21.09	21.32	21.20	21.7
Channel				345000	349000	353000	Tune-up MPR
Frequency (MHz)				1725	1745	1765	limit (dB)
30	QPSK	1	1	21.14	21.33	21.19	21.7
Channel				344500	349000	353500	Tune-up MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)
25	QPSK	1	1	21.11	21.31	21.18	21.7
Channel				344000	349000	354000	Tune-up MPR
Frequency (MHz)				1720	1745	1770	limit (dB)
20	QPSK	1	1	21.12	21.31	21.15	21.7
Channel				343500	349000	354500	Tune-up MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)
15	QPSK	1	1	21.08	21.35	21.16	21.7
Channel				343000	349000	355000	Tune-up MPR
Frequency (MHz)				1715	1745	1775	limit (dB)
10	QPSK	1	1	21.10	21.35	21.19	21.7
Channel				342500	349000	355500	Tune-up MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)
5	QPSK	1	1	21.09	21.31	21.20	21.7

n38 Ant0 Main_PA DSI 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	22.78	22.81	22.73	23.0	0.0
40	1/2 BPSK	1	53	22.73	22.80	22.72	23.0	0.0
40	1/2 BPSK	1	104	22.76	22.86	22.70	23.0	0.0
40	1/2 BPSK	50	0	22.72	22.83	22.70	23.0	0.0
40	1/2 BPSK	50	26	22.74	22.87	22.76	23.0	0.0
40	1/2 BPSK	50	56	22.72	22.79	22.74	23.0	0.0
40	1/2 BPSK	100	0	22.72	22.83	22.68	23.0	0.0
40	QPSK	1	1	22.81	22.88	22.78		
40	QPSK	1	53	22.79	22.82	22.72	23.0	0.0
40	QPSK	1	104	22.72	22.84	22.76	23.0	0.0
40	QPSK	50	0	22.78	22.81	22.74	23.0	0.0
40	QPSK	50	26	22.74	22.83	22.74	23.0	0.0
40	QPSK	50	56	22.74	22.82	22.71	23.0	0.0
40	QPSK	100	0	22.69	22.75	22.71		
40	16QAM	1	1	22.77	22.78	22.87	23.0	0.0
40	64QAM	1	1	21.21	21.26	21.17	21.5	1.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	3.5
Channel				517002	519000	520998	Tune-up limit (dBm)	
Frequency (MHz)				2583.01	2595	2604.99		
30	QPSK	1	1	22.76	22.84	22.72	23.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	
Frequency (MHz)				2592.52	2595	2607.48		
25	QPSK	1	1	22.74	22.82	22.74	23.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.77	22.85	22.75	23.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.74	22.86	22.74	23.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	
Frequency (MHz)				2573.02	2595	2614.98		
10	QPSK	1	1	22.71	22.80	22.74	23.0	0.0

n41 Ant0 Main_PA DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	22.01	22.08	22.01		
100	1/2 BPSK	1	137	22.02	22.05	21.97	22.5	0.0
100	1/2 BPSK	1	271	22.01	22.10	21.99		
100	1/2 BPSK	135	0	21.96	22.01	21.96	22.5	0.0
100	1/2 BPSK	135	69	22.04	22.00	22.03	22.5	0.0
100	1/2 BPSK	135	138	21.96	22.06	21.95	22.5	0.0
100	1/2 BPSK	270	0	21.97	22.10	21.99		
100	QPSK	1	1	22.06	22.11	22.05		
100	QPSK	1	137	21.97	22.10	21.97	22.5	0.0
100	QPSK	1	271	21.98	22.00	21.96		
100	QPSK	135	0	22.02	22.05	21.96	22.5	0.0
100	QPSK	135	69	22.01	22.06	21.95	22.5	0.0
100	QPSK	135	138	21.99	22.02	22.00		
100	QPSK	270	0	21.95	21.91	21.78	22.5	0.0
100	16QAM	1	1	21.99	22.05	21.97	22.5	0.0
100	64QAM	1	1	21.96	22.08	21.99	22.5	0.0
100	256QAM	1	1	21.67	21.71	21.99	22.0	0.5
Channel				508200	518898	528996	Tune-up	
Frequency (MHz)				2541	2592.99	2644.98	limit (dB)	
90	QPSK	1	1	22.01	22.04	22.00	22.5	0.0
Channel				507204	518898	529998	Tune-up	
Frequency (MHz)				2536.02	2592.99	2646.99	limit (dB)	
80	QPSK	1	1	22.02	22.06	21.95	22.5	0.0
Channel				506202	518898	531000	Tune-up	
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)	
70	QPSK	1	1	22.04	22.05	21.94	22.5	0.0
Channel				505200	518898	531896	Tune-up	
Frequency (MHz)				2526	2592.99	2659.98	limit (dB)	
60	QPSK	1	1	21.95	22.00	21.98	22.5	0.0
Channel				504204	518898	532998	Tune-up	
Frequency (MHz)				2521.02	2592.99	2664.97	limit (dB)	
50	QPSK	1	1	21.98	22.03	22.03	22.5	0.0
Channel				503202	518898	534000	Tune-up	
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)	
40	QPSK	1	1	21.97	22.07	21.97	22.5	0.0
Channel				502200	518898	534996	Tune-up	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
30	QPSK	1	1	21.99	22.07	22.02	22.5	0.0
Channel				502200	518898	534996	Tune-up	
Frequency (MHz)				2511	2592.99	2674.96	limit (dB)	
25	QPSK	1	1	22.01	22.07	22.00	22.5	0.0
Channel				501204	518898	535998	Tune-up	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)	
20	QPSK	1	1	21.95	22.03	22.04	22.5	0.0
Channel				500700	518898	536496	Tune-up	
Frequency (MHz)				2500.5	2592.99	2683.48	limit (dB)	
15	QPSK	1	1	21.96	22.01	22.03	22.5	0.0
Channel				500202	518898	537000	Tune-up	
Frequency (MHz)				2501.01	2592.99	2685	limit (dB)	
10	QPSK	1	1	21.96	22.06	21.96	22.5	0.0



n7 Ant1 Main_PA DSI 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	MPR (dB)
Frequency (MHz)				2520	2535	2550	
40	1/2 BPSK	1	1	18.41	18.59	18.53	
40	1/2 BPSK	1	108	18.45	18.56	18.54	19.5 0.0
40	1/2 BPSK	1	214	18.45	18.61	18.53	
40	1/2 BPSK	108	0	18.41	18.57	18.54	19.5 0.0
40	1/2 BPSK	108	54	18.45	18.56	18.52	19.5 0.0
40	1/2 BPSK	108	108	18.45	18.59	18.50	19.5 0.0
40	1/2 BPSK	216	0	18.40	18.55	18.47	
40	QPSK	1	1	18.54	18.68	18.59	
40	QPSK	1	108	18.45	18.56	18.51	19.5 0.0
40	QPSK	1	214	18.49	18.64	18.47	
40	QPSK	108	0	18.50	18.57	18.54	19.5 0.0
40	QPSK	108	54	18.51	18.62	18.55	19.5 0.0
40	QPSK	108	108	18.47	18.60	18.49	19.5 0.0
40	QPSK	216	0	18.49	18.55	18.43	
40	16QAM	1	1	18.50	18.57	18.52	19.5 0.0
40	16QAM	1	1	18.15	18.21	18.15	19.5 0.0
40	256QAM	1	1	18.09	18.01	18.03	19.5 0.0
Channel				503500	507000	510500	Tune-up MPR
Frequency (MHz)				2517.5	2535	2552.5	limit (dB)
35	QPSK	1	1	18.43	18.65	18.53	19.5 0.0
Channel				503000	507000	511000	Tune-up MPR
Frequency (MHz)				2515	2535	2555	limit (dB)
30	QPSK	1	1	18.51	18.63	18.56	19.5 0.0
Channel				502500	507000	511500	Tune-up MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dB)
25	QPSK	1	1	18.51	18.62	18.52	19.5 0.0
Channel				502000	507000	512000	Tune-up MPR
Frequency (MHz)				2510	2535	2560	limit (dB)
20	1/2 BPSK	1	1	18.51	18.64	18.52	19.5 0.0
Channel				501500	507000	512500	Tune-up MPR
Frequency (MHz)				2507.5	2535	2567.5	limit (dB)
15	QPSK	1	1	18.49	18.61	18.53	19.5 0.0
Channel				501000	507000	513000	Tune-up MPR
Frequency (MHz)				2505	2535	2560	limit (dB)
10	QPSK	1	1	18.48	18.61	18.52	19.5 0.0
Channel				500500	507000	513500	Tune-up MPR
Frequency (MHz)				2502.5	2535	2567.5	limit (dB)
5	QPSK	1	1	18.49	18.61	18.54	19.5 0.0

n66 Ant1 Other PA DSI 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	MPR (dB)
Frequency (MHz)				1730	1745	1760	
40	1/2 BPSK	1	1	19.06	19.18	19.13	
40	1/2 BPSK	1	108	19.12	19.15	19.09	19.7 0.0
40	1/2 BPSK	1	214	19.10	19.15	19.11	
40	1/2 BPSK	108	0	19.05	19.19	19.10	19.7 0.0
40	1/2 BPSK	108	54	19.08	19.11	19.12	19.7 0.0
40	1/2 BPSK	108	108	19.09	19.14	19.13	19.7 0.0
40	1/2 BPSK	216	0	19.06	19.13	19.10	
40	QPSK	1	1	19.19	19.25	19.21	
40	QPSK	1	108	19.12	19.18	19.13	19.7 0.0
40	QPSK	1	214	19.10	19.20	19.10	
40	QPSK	108	0	19.11	19.19	19.09	19.7 0.0
40	QPSK	108	54	19.12	19.22	19.15	19.7 0.0
40	QPSK	108	108	19.09	19.16	19.13	19.7 0.0
40	QPSK	216	0	19.15	19.16	19.13	
40	16QAM	1	1	19.10	19.17	19.10	19.7 0.0
40	16QAM	1	1	19.14	19.19	19.10	19.7 0.0
40	256QAM	1	1	19.12	19.15	19.11	19.7 0.0
Channel				345900	349000	352900	Tune-up MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dB)
35	QPSK	1	1	19.16	19.22	19.18	19.7 0.0
Channel				345000	349000	353000	Tune-up MPR
Frequency (MHz)				1725	1745	1765	limit (dB)
30	QPSK	1	1	19.16	19.18	19.14	19.7 0.0
Channel				344500	349000	353500	Tune-up MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)
25	QPSK	1	1	19.12	19.22	19.16	19.7 0.0
Channel				344000	349000	354000	Tune-up MPR
Frequency (MHz)				1720	1745	1770	limit (dB)
20	QPSK	1	1	19.16	19.22	19.14	19.7 0.0
Channel				343500	349000	354500	Tune-up MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)
15	QPSK	1	1	19.14	19.22	19.16	19.7 0.0
Channel				343000	349000	355000	Tune-up MPR
Frequency (MHz)				1715	1745	1775	limit (dB)
10	QPSK	1	1	19.15	19.13	19.15	19.7 0.0
Channel				342500	349000	355500	Tune-up MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)
5	QPSK	1	1	19.08	19.03	19.05	19.7 0.0



n38 Ant1 Main_PA DSI 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	18.04	17.98	17.99	18.5	0.0	
40	1/2 BPSK	1	53	18.05	17.97	17.98			
40	1/2 BPSK	1	104	17.95	18.00	17.99			
40	1/2 BPSK	50	0	18.00	18.03	17.93	18.5	0.0	0.0
40	1/2 BPSK	50	28	17.99	18.01	17.99	18.5	0.0	0.0
40	1/2 BPSK	50	56	18.02	18.07	18.00	18.5	0.0	0.0
40	1/2 BPSK	100	0	18.03	18.05	17.98	18.5	0.0	0.0
40	QPSK	1	1	18.09	18.11	18.05	18.5	0.0	
40	QPSK	1	53	18.04	18.04	17.93			
40	QPSK	1	104	17.97	17.97	17.98			
40	QPSK	50	0	18.04	18.00	17.97	18.5	0.0	0.0
40	QPSK	50	28	18.02	18.06	18.01	18.5	0.0	0.0
40	QPSK	50	56	18.05	18.01	17.94	18.5	0.0	0.0
40	QPSK	100	0	18.01	18.02	18.01	18.5	0.0	0.0
40	16QAM	1	1	18.04	18.00	17.92	18.5	0.0	0.0
40	16QAM	1	1	17.97	18.06	18.00	18.5	0.0	0.0
40	256QAM	1	1	18.05	18.04	18.00	18.5	0.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.04	18.05	17.97	18.5	0.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.00	18.02	17.98	18.5	0.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.02	18.02	17.95	18.5	0.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.04	18.07	17.97	18.5	0.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.03	18.06	18.01	18.5	0.0	0.0

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BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	17.11	17.17	2592.99		18.0	0.0		
100	1/2 BPSK	1	137	17.09	17.13	2592.99					
100	1/2 BPSK	1	271	17.08	17.13	17.03					
100	1/2 BPSK	135	0	17.12	17.17	17.03	18.0	0.0	0.0		
100	1/2 BPSK	135	69	17.17	17.11	17.09	18.0				
100	1/2 BPSK	135	138	17.14	17.13	17.10	18.0				
100	1/2 BPSK	270	0	17.09	17.12	17.09	18.0	0.0	0.0		
100	QPSK	1	1	17.21	17.23	17.15					
100	QPSK	1	137	17.14	17.16	17.10	18.0	0.0	0.0		
100	QPSK	1	271	17.16	17.13	17.07					
100	QPSK	135	0	17.10	17.14	17.04	18.0	0.0	0.0		
100	QPSK	135	69	17.14	17.21	17.08	18.0				
100	QPSK	135	138	17.13	17.11	17.01	18.0				
100	QPSK	270	0	17.05	17.12	17.05	18.0	0.0	0.0		
100	16QAM	1	1	17.15	17.13	17.04	18.0				
100	16QAM	1	1	17.14	17.15	17.08	18.0	0.0	0.0		
100	256QAM	1	1	17.08	17.16	17.07	18.0				
Channel				550002	518698	527000	Tune-up	MPR			
Frequency (MHz)				2592.99	2592.99	2592.99	18.0	0.0			
90	QPSK	1	1	17.13	17.15	17.09	18.0	0.0	0.0		
Channel				507024	518698	526998	Tune-up	MPR			
Frequency (MHz)				2592.99	2592.99	2592.99	18.0	0.0			
80	QPSK	1	1	17.17	17.15	17.10	18.0	0.0	0.0		
Channel				2592.99	2592.99	2592.99	Tune-up	MPR			
Frequency (MHz)				2531.01	2592.99	2595	18.0	0.0			
70	QPSK	1	1	17.13	17.19	17.08	18.0	0.0	0.0		
Channel				550000	518698	527000	Tune-up	MPR			
Frequency (MHz)				2592.99	2592.99	2592.99	18.0	0.0			
60	QPSK	1	1	17.15	17.18	17.10	18.0	0.0	0.0		
Channel				2592.99	2592.99	2592.99	Tune-up	MPR			
Frequency (MHz)				2592.99	2592.99	2592.99	18.0	0.0			
50	QPSK	1	1	17.16	17.16	17.12	18.0	0.0	0.0		
Channel				550000	518698	527000	Tune-up	MPR			
Frequency (MHz)				2592.99	2592.99	2592.99	18.0	0.0			
40	QPSK	1	1	17.10	17.18	17.08	18.0	0.0	0.0		
Channel				522210	518698	534498	Tune-up	MPR			
Frequency (MHz)				2511.01	2592.99	2674.98	18.0	0.0			
30	QPSK	1	1	17.16	17.15	17.09	18.0	0.0	0.0		
Channel				522210	518698	534498	Tune-up	MPR			
Frequency (MHz)				2511.01	2592.99	2674.98	18.0	0.0			
25	QPSK	1	1	17.17	17.15	17.11	18.0	0.0	0.0		
Channel				610104	518698	533698	Tune-up	MPR			
Frequency (MHz)				2592.99	2592.99	2592.99	18.0	0.0			
20	QPSK	1	1	17.17	17.19	17.09	18.0	0.0	0.0		
Channel				537000	518698	536498	Tune-up	MPR			
Frequency (MHz)				2592.99	2592.99	2592.99	18.0	0.0			
15	QPSK	1	1	17.16	17.19	17.11	18.0	0.0	0.0		
Channel				560002	518698	537000	Tune-up	MPR			
Frequency (MHz)				2592.99	2592.99	2592.99	18.0	0.0			
10	QPSK	1	1	17.16	17.15	17.06	18.0	0.0	0.0		

Par270 n77 Ant1 Main_PA DSI 8									
BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	16.41	16.51	16.39		17.0	0.0
100	1/2 BPSK	1	137	16.38	16.46	16.32			
100	1/2 BPSK	1	271	16.37	16.45	16.40			
100	1/2 BPSK	135	0	16.38	16.49	16.36	17.0	0.0	0.0
100	1/2 BPSK	135	69	16.35	16.42	16.40	17.0		
100	1/2 BPSK	135	138	16.43	16.42	16.33	17.0		
100	1/2 BPSK	270	0	16.40	16.48	16.36	17.0	0.0	0.0
100	QPSK	1	1	16.46	16.55	16.45			
100	QPSK	1	137	16.42	16.46	16.33	17.0	0.0	0.0
100	QPSK	1	271	16.45	16.48	16.38			
100	QPSK	135	0	16.44	16.46	16.32	17.0	0.0	0.0
100	QPSK	135	69	16.42	16.51	16.41	17.0		
100	QPSK	135	138	16.44	16.44	16.36	17.0		
100	QPSK	270	0	16.41	16.44	16.35	17.0	0.0	0.0
100	16QAM	1	1	16.40	16.46	16.32	17.0		
100	16QAM	1	1	16.36	16.43	16.36	17.0	0.0	0.0
100	256QAM	1	1	16.43	16.42	16.36	17.0		
Channel				16.468	16.500	16.234	Tune-up	MPR	
Frequency (MHz)				17.475.02	17.480.00	17.475.00	limit	limit	
90	QPSK	1	1	16.41	16.51	16.37	17.0	0.0	0.0
Channel				16.431	16.463	16.395	Tune-up	MPR	
Frequency (MHz)				17.470.01	17.464.00	17.466.00	limit	limit	
80	QPSK	1	1	16.40	16.52	16.38	17.0	0.0	0.0
Channel				16.400.00	16.400.00	16.400.00	Tune-up	MPR	
Frequency (MHz)				17.355	17.354	17.355	limit	limit	
70	QPSK	1	1	16.43	16.49	16.40	17.0	0.0	0.0
Channel				16.430	16.430	16.430	Tune-up	MPR	
Frequency (MHz)				17.350.02	17.344	17.350.01	limit	limit	
60	QPSK	1	1	16.41	16.52	16.38	17.0	0.0	0.0
Channel				17.221.01	17.221.00	17.221.00	Tune-up	MPR	
Frequency (MHz)				17.221.01	17.216	17.221.02	limit	limit	
50	QPSK	1	1	16.40	16.53	16.37	17.0	0.0	0.0
Channel				16.400	16.400	16.400	Tune-up	MPR	
Frequency (MHz)				17.320	17.314	17.320	limit	limit	
40	QPSK	1	1	16.45	16.51	16.39	17.0	0.0	0.0
Channel				16.468	16.500	16.434	Tune-up	MPR	
Frequency (MHz)				17.115.02	17.110.00	17.115.00	limit	limit	
30	QPSK	1	1	16.41	16.49	16.40	17.0	0.0	0.0
Channel				16.470	16.500	16.460	Tune-up	MPR	
Frequency (MHz)				17.123.00	17.117.00	17.123.00	limit	limit	
25	QPSK	1	1	16.43	16.49	16.36	17.0	0.0	0.0
Channel				16.434	16.500	16.466	Tune-up	MPR	
Frequency (MHz)				17.113.01	17.107	17.113.02	limit	limit	
20	QPSK	1	1	16.43	16.51	16.37	17.0	0.0	0.0
Channel				17.078	16.500	16.484	Tune-up	MPR	
Frequency (MHz)				17.067.00	17.061.00	17.067.00	limit	limit	
15	QPSK	1	1	16.41	16.47	16.38	17.0	0.0	0.0
Channel				16.400	16.500	16.500	Tune-up	MPR	
Frequency (MHz)				17.063.00	17.057.00	17.063.00	limit	limit	
10	QPSK	1	1	16.42	16.50	16.42	17.0	0.0	0.0



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BW [MHz]	Modulat ion	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	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	1	19.36	19.36	19.24		
100	1/2 BPSK	1	137	19.31	19.41	19.29		
100	1/2 BPSK	1	271	19.32	19.32	19.26		20.0
100	1/2 BPSK	135	0	19.36	19.32	19.27		20.0
100	1/2 BPSK	135	69	19.34	19.34	19.32		20.0
100	1/2 BPSK	135	138	19.30	19.31	19.24		20.0
100	1/2 BPSK	270	0	19.30	19.36	19.31		20.0
100	QPSK	1	1	19.41	19.45	19.38		
100	QPSK	1	137	19.29	19.36	19.26		20.0
100	QPSK	1	271	19.33	19.38	19.33		20.0
100	QPSK	135	0	19.30	19.34	19.34		20.0
100	QPSK	135	69	19.33	19.42	19.36		20.0
100	QPSK	135	138	19.29	19.32	19.32		20.0
100	QPSK	270	0	19.25	19.34	19.21		20.0
100	16QAM	1	1	19.35	19.34	19.24		20.0
100	16QAM	1	1	19.34	19.32	19.25		20.0
100	256QAM	1	1	19.31	19.32	19.26		20.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	3743.02	3740	3753.01	limit (dB)	
90	QPSK	1	1	19.38	19.39	19.31		20.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3740	3740.02	limit (dB)	
80	QPSK	1	1	19.36	19.42	19.30		20.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3739	3740	3743	limit (dB)	
70	QPSK	1	1	19.34	19.37	19.33		20.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3737.02	3740	3750.01	limit (dB)	
60	QPSK	1	1	19.36	19.41	19.32		20.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3735.01	3740	3753.02	limit (dB)	
50	QPSK	1	1	19.34	19.36	19.34		20.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3733.01	3740	3750.01	limit (dB)	
40	QPSK	1	1	19.38	19.40	19.34		20.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3731.02	3740	3755.01	limit (dB)	
30	QPSK	1	1	19.34	19.36	19.30		20.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3729.01	3740	3757.02	limit (dB)	
25	QPSK	1	1	19.36	19.39	19.35		20.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3727.01	3740	3759.02	limit (dB)	
20	QPSK	1	1	19.38	19.40	19.35		20.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3725.01	3740	3761.01	limit (dB)	
15	QPSK	1	1	19.34	19.40	19.30		20.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3723.01	3740	3763.01	limit (dB)	
10	QPSK	1	1	19.32	19.37	19.29		20.0

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BW [MHz]	Modulat ion	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	1/2 BPSK	1	1		3500.01			
100	1/2 BPSK	1	137		15.10			
100	1/2 BPSK	1	271		15.09			17.0
100	1/2 BPSK	135	0		15.06			17.0
100	1/2 BPSK	135	69		15.06			17.0
100	1/2 BPSK	135	138		15.09			17.0
100	1/2 BPSK	270	0		15.14			17.0
100	QPSK	1	1		15.13			
100	QPSK	1	137		15.10			17.0
100	QPSK	1	271		15.14			17.0
100	QPSK	135	0		15.06			17.0
100	QPSK	135	69		15.15			17.0
100	QPSK	135	138		15.06			17.0
100	QPSK	270	0		15.17			17.0
100	16QAM	1	1		15.07			17.0
100	16QAM	1	1		15.14			17.0
100	256QAM	1	1		15.11			17.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up MPR	
90	QPSK	1	1	15.02	15.15	15.09	limit (dB)	
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up MPR	
80	QPSK	1	1	15.03	15.13	15.05	limit (dB)	
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up MPR	
70	QPSK	1	1	15.02	15.13	15.09	limit (dB)	
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up MPR	
60	QPSK	1	1	15.00	15.13	15.10	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up MPR	
50	QPSK	1	1	14.97	15.02	15.02	limit (dB)	
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up MPR	
40	QPSK	1	1	15.03	15.10	15.05	limit (dB)	
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up MPR	
30	QPSK	1	1	15.08	15.13	15.09	limit (dB)	
Channel								
Frequency (MHz)								
25	QPSK	1	1	630668	633334	636000	Tune-up MPR	
25	QPSK	1	1	15.02	15.16	15.04	limit (dB)	
Channel								
Frequency (MHz)								
20	QPSK	1	1	630334	633334	636334	Tune-up MPR	
20	QPSK	1	1	15.03	15.12	15.08	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	630000	633334	636668	Tune-up MPR	
15	QPSK	1	1	15.02	15.14	15.08	limit (dB)	
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up MPR	
10	QPSK	1	1	15.04	15.14	15.08	limit (dB)	

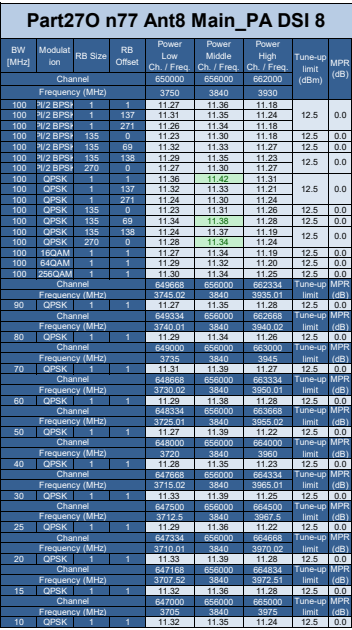
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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	1/2 BPSK	1	1		3500.01			
100	1/2 BPSK	1	137		18.61		20.0	0.0
100	1/2 BPSK	1	271		18.70		20.0	
100	1/2 BPSK	135	0		18.70		20.0	0.0
100	1/2 BPSK	135	69		18.64		20.0	
100	1/2 BPSK	135	138		18.67		20.0	
100	1/2 BPSK	270	0		18.68		20.0	
100	QPSK	1	1		18.75			
100	QPSK	1	137		18.65		20.0	0.0
100	QPSK	1	271		18.68		20.0	
100	QPSK	135	0		18.65		20.0	0.0
100	QPSK	135	69		18.71		20.0	
100	QPSK	135	138		18.65		20.0	
100	QPSK	270	0		18.64		20.0	
100	16QAM	1	1		18.64		20.0	0.0
100	16QAM	1	1		18.66		20.0	
100	256QAM	1	1		18.64		20.0	
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up MPR	
90	QPSK	1	1	18.63	18.71	18.61	limit (dB)	
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up MPR	
80	QPSK	1	1	18.64	18.72	18.59	limit (dB)	
Channel								
Frequency (MHz)								
70	QPSK	1	1	632336	633001	633666	Tune-up MPR	
70	QPSK	1	1	18.63	18.70	18.61	limit (dB)	
Channel								
Frequency (MHz)								
60	QPSK	1	1	632004	632669	633334	Tune-up MPR	
60	QPSK	1	1	18.65	18.69	18.59	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	631672	632337	633002	Tune-up MPR	
50	QPSK	1	1	18.66	18.68	18.59	limit (dB)	
Channel								
Frequency (MHz)								
40	QPSK	1	1	631340	632005	632670	Tune-up MPR	
40	QPSK	1	1	18.67	18.69	18.61	limit (dB)	
Channel								
Frequency (MHz)								
30	QPSK	1	1	631008	631673	632338	Tune-up MPR	
30	QPSK	1	1	18.65	18.67	18.62	limit (dB)	
Channel								
Frequency (MHz)								
25	QPSK	1	1	630676	631341	632006	Tune-up MPR	
25	QPSK	1	1	18.62	18.69	18.59	limit (dB)	
Channel								
Frequency (MHz)								
20	QPSK	1	1	630344	631009	631674	Tune-up MPR	
20	QPSK	1	1	18.63	18.71	18.61	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	629992	630657	631322	Tune-up MPR	
15	QPSK	1	1	18.68	18.69	18.59	limit (dB)	
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up MPR	
10	QPSK	1	1	18.62	18.69	18.61	limit (dB)	
10	QPSK	1	1	18.61	18.65	18.63	limit (dB)	0.0

Part270 n78 Ant1 Main_PA DSI 8									
PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000					
Frequency (MHz)				3750					
100	1/2 BPS	1	1	18.39				19.5	0.0
100	1/2 BPS	1	137	18.45					
100	1/2 BPS	1	271	18.44					
100	1/2 BPS	135	0	18.44					
100	1/2 BPS	135	69	18.38				19.5	0.0
100	1/2 BPS	135	138	18.46				19.5	0.0
100	1/2 BPS	270	0	18.45				19.5	0.0
100	QPSK	1	1	18.52				19.5	0.0
100	QPSK	1	137	18.40					
100	QPSK	1	271	18.43					
100	QPSK	135	0	18.41					
100	QPSK	135	69	18.46				19.5	0.0
100	QPSK	135	138	18.41				19.5	0.0
100	QPSK	270	0	18.44				19.5	0.0
100	16QAM	1	1	18.41				19.5	0.0
100	64QAM	1	1	18.39				19.5	0.0
100	256QAM	1	1	18.46				19.5	0.0
Channel				64968	65000	65034	Tune-up MPR		
Frequency (MHz)				3743.02	3750	3763.01	limit (dB)		
30	QPSK	1	1	18.39	18.47	18.39	19.5	0.0	
Channel				64934	65000	65068	Tune-up MPR		
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1	18.40	18.49	18.37	19.5	0.0	
Channel				64900	65000	65100	Tune-up MPR		
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1	18.37	18.45	18.35	19.5	0.0	
Channel				64868	65000	65134	Tune-up MPR		
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1	18.38	18.44	18.39	19.5	0.0	
Channel				64834	65000	65168	Tune-up MPR		
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
50	QPSK	1	1	18.42	18.46	18.34	19.5	0.0	
Channel				64800	65000	65200	Tune-up MPR		
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1	18.42	18.47	18.38	19.5	0.0	
Channel				64768	65000	65234	Tune-up MPR		
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)		
30	QPSK	1	1	18.36	18.45	18.35	19.5	0.0	
Channel				64750	65000	65250	Tune-up MPR		
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
25	QPSK	1	1	18.40	18.44	18.37	19.5	0.0	
Channel				64734	65000	65268	Tune-up MPR		
Frequency (MHz)				3710.01	3750	3790.03	limit (dB)		
20	QPSK	1	1	18.40	18.48	18.38	19.5	0.0	
Channel				64718	65000	65284	Tune-up MPR		
Frequency (MHz)				3707.59	3750	3792.51	limit (dB)		
15	QPSK	1	1	18.36	18.48	18.36	19.5	0.0	
Channel				64700	65000	65300	Tune-up MPR		
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1	18.42	18.46	18.40	19.5	0.0	

Part27Q n78 Ant1 Main_PA DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63300		63334			
Frequency (MHz)				3500.01					
100	1/2 BPS	1	1	14.84				16.5	0.0
100	1/2 BPS	1	137	14.76					
100	1/2 BPS	1	271	14.79					
100	1/2 BPS	135	0	14.81					
100	1/2 BPS	135	69	14.84				16.5	0.0
100	1/2 BPS	135	138	14.84				16.5	0.0
100	1/2 BPS	270	0	14.83				16.5	0.0
100	QPSK	1	1	14.89				16.5	0.0
100	QPSK	1	137	14.79					
100	QPSK	1	271	14.84					
100	QPSK	135	0	14.77					
100	QPSK	135	69	14.85				16.5	0.0
100	QPSK	135	138	14.81				16.5	0.0
100	QPSK	270	0	14.74				16.5	0.0
100	16QAM	1	1	14.83				16.5	0.0
100	64QAM	1	1	14.76				16.5	0.0
100	256QAM	1	1	14.80				16.5	0.0
Channel				63300	63334	63368	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	14.81	14.84	14.74	16.5	0.0	
Channel				63268	63334	63400	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	14.82	14.81	14.75	16.5	0.0	
Channel				63234	63334	63434	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	14.79	14.84	14.79	16.5	0.0	
Channel				63200	63334	63468	Tune-up MPR		
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	14.79	14.82	14.75	16.5	0.0	
Channel				63168	63334	63500	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	14.82	14.84	14.72	16.5	0.0	
Channel				63134	63334	63534	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	14.79	14.89	14.76	16.5	0.0	
Channel				63100	63334	63568	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3538.02	limit (dB)		
30	QPSK	1	1	14.81	14.82	14.73	16.5	0.0	
Channel				63084	63334	63584	Tune-up MPR		
Frequency (MHz)				3462.51	3500.01	3542.51	limit (dB)		
25	QPSK	1	1	14.82	14.81	14.73	16.5	0.0	
Channel				63068	63334	63600	Tune-up MPR		
Frequency (MHz)				3460.02	3500.01	3546	limit (dB)		
20	QPSK	1	1	14.81	14.85	14.75	16.5	0.0	
Channel				63050	63334	63618	Tune-up MPR		
Frequency (MHz)				3457.5	3500.01	3548.59	limit (dB)		
15	QPSK	1	1	14.76	14.83	14.72	16.5	0.0	
Channel				63034	63334	63634	Tune-up MPR		
Frequency (MHz)				3455.01	3500.01	3550.01	limit (dB)		
10	QPSK	1	1	14.82	14.83	14.76	16.5	0.0	

Part27Q n78 Ant1 Main_PA DSI 8 PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63334					
Frequency (MHz)				3500.01					
100	1/2 BPS	1	1	17.90				19.5	0.0
100	1/2 BPS	1	137	17.89					
100	1/2 BPS	1	271	17.81					
100	1/2 BPS	135	0	17.86					
100	1/2 BPS	135	69	17.85				19.5	0.0
100	1/2 BPS	135	138	17.86				19.5	0.0
100	1/2 BPS	270	0	17.83				19.5	0.0
100	QPSK	1	1	17.95				19.5	0.0
100	QPSK	1	137	17.83					
100	QPSK	1	271	17.83					
100	QPSK	135	0	17.88					
100	QPSK	135	69	17.91				19.5	0.0
100	QPSK	135	138	17.85				19.5	0.0
100	QPSK	270	0	17.84				19.5	0.0
100	16QAM	1	1	17.87				19.5	0.0
100	64QAM	1	1	17.83				19.5	0.0
100	256QAM	1	1	17.89				19.5	0.0
Channel				63300	63334	63368	Tune-up MPR		
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1	17.77	17.87	17.74	19.5	0.0	
Channel				63268	63334	63400	Tune-up MPR		
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1	17.78	17.89	17.74	19.5	0.0	
Channel				63236	63334	63432	Tune-up MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	17.79	17.88	17.78	19.5	0.0	
Channel				63204	63334	63464	Tune-up MPR		
Frequency (MHz)				3480.03	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	17.69	17.61	17.78	19.5	0.0	
Channel				63172	63334	63496	Tune-up MPR		
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1	17.77	17.61	17.77	19.5	0.0	
Channel				63140	63334	63528	Tune-up MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	17.81	17.62	17.73	19.5	0.0	
Channel				63108	63334	63560	Tune-up MPR		
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)		
30	QPSK	1	1	17.77	17.62	17.75	19.5	0.0	
Channel				63076	63334	63592	Tune-up MPR		
Frequency (MHz)				3460.01	3500.01	3537.01	limit (dB)		
25	QPSK	1	1	17.81	17.67	17.74	19.5	0.0	
Channel				63044	63334	63624	Tune-up MPR		
Frequency (MHz)				3455.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	17.81	17.69	17.78	19.5	0.0	
Channel				63012	63334	63656	Tune-up MPR		
Frequency (MHz)				3450.01	3500.01	3543.01	limit (dB)		
15	QPSK	1	1	17.80	17.63	17.77	19.5	0.0	
Channel				63000	63334	63684	Tune-up MPR		
Frequency (MHz)				3445.01	3500.01	3546.01	limit (dB)		
10	QPSK	1	1	17.85	17.75	17.71	19.5	0.0	



Part27n n77 Ant Main_PA DS1 8 PC2										
BW [MHz]	Module ID	RB Size [MHz]	RB Offset	Low Power Channel #	Low Power Power [dBm]	Power Middle Channel #	Power High Power [dBm]	Tune-up [ms]	MRR (dB)	
Channel										
				655000	655000	655000	663000			
				Frequency (MHz)	3750	3840	3930			
100	1D2 BPSK	1	1	14.37	14.43	14.43	14.39			
100	QPSK	1	137	14.36	14.40	14.40	14.38	15.5	0.0	
100	1D2 BPSK	1	271	14.36	14.38	14.37	14.37			
100	QPSK	135	0	14.36	14.40	14.40	14.38	15.5	0.0	
100	1D2 BPSK	135	136	14.36	14.38	14.41	14.38			
100	QPSK	135	136	14.36	14.42	14.41	14.43	15.5	0.0	
100	1D2 BPSK	270	0	14.36	14.40	14.41	14.43			
100	QPSK	270	0	14.37	14.47	14.47	14.46	15.5	0.0	
100	QPSK	1	137	14.42	14.41	14.41	14.43	15.5	0.0	
100	QPSK	135	271	14.39	14.41	14.41	14.41			
100	QPSK	135	271	14.38	14.41	14.41	14.41	15.5	0.0	
100	QPSK	135	69	14.43	14.48	14.48	14.38	15.5	0.0	
100	QPSK	135	168	14.43	14.48	14.48	14.38	15.5	0.0	
100	QPSK	270	0	14.25	14.37	14.34	14.34	15.5	0.0	
100	16QAM	1	1	14.43	14.53	14.56	14.37	15.5	0.0	
100	16QAM	135	136	14.43	14.53	14.56	14.39	15.5	0.0	
100	256QAM	1	1	14.34	14.42	14.42	14.40	15.5	0.0	
Channel										
				64968	65000	65024	64968		MRR	
				Frequency (MHz)	3840	3930	4020	4110		
90	QPSK	1	1	14.39	14.45	14.45	14.45	15.5	0.0	
90	QPSK	1	137	14.39	14.45	14.45	14.45	15.5	0.0	
Channel										
				64935	65000	65065	64935		MRR	
				Frequency (MHz)	3930	4020	4110	4200		
80	QPSK	1	1	14.40	14.45	14.45	14.45	15.5	0.0	
80	QPSK	1	137	14.40	14.45	14.45	14.45	15.5	0.0	
Channel										
				3735	3840	3945	4050		MRR	
				Frequency (MHz)	3735	3840	3945	4050		
70	QPSK	1	1	14.53	14.49	14.49	14.39	15.5	0.0	
70	QPSK	1	137	14.53	14.49	14.49	14.49	15.5	0.0	
Channel										
				3730	3840	3950	4010		MRR	
				Frequency (MHz)	3730	3840	3950	4010		
60	QPSK	1	1	14.21	14.49	14.43	14.35	15.5	0.0	
60	QPSK	1	137	14.21	14.49	14.43	14.35	15.5	0.0	
Channel										
				3725	3840	3955	4020		MRR	
				Frequency (MHz)	3725	3840	3955	4020		
50	QPSK	1	1	14.48	14.48	14.48	14.48	15.5	0.0	
50	QPSK	1	137	14.48	14.48	14.48	14.48	15.5	0.0	
Channel										
				3720	3930				MRR	
				Frequency (MHz)	3720	3930				
40	QPSK	1	1	14.44	14.48	14.48	14.44	15.5	0.0	
40	QPSK	1	137	14.44	14.48	14.48	14.44	15.5	0.0	
Channel										
				64768	65000	65334	64768		MRR	
				Frequency (MHz)	3715	3850	3965	4010		
30	QPSK	1	1	14.53	14.53	14.53	14.53	15.5	0.0	
30	QPSK	1	137	14.52	14.49	14.49	14.49	15.5	0.0	
Channel										
				64700	65000	65400	64700		MRR	
				Frequency (MHz)	3725	3840	3975	4020		
25	QPSK	1	1	14.52	14.49	14.49	14.44	15.5	0.0	
25	QPSK	1	137	14.52	14.49	14.49	14.44	15.5	0.0	
Channel										
				64700	65000	65400	64700		MRR	
				Frequency (MHz)	3710	3850	3975	4020		
20	QPSK	1	1	14.50	14.49	14.49	14.49	15.5	0.0	
20	QPSK	1	137	14.50	14.49	14.49	14.49	15.5	0.0	
Channel										
				64716	65000	65400	64716		MRR	
				Frequency (MHz)	3705	3840	3975	4020		
15	QPSK	1	1	14.49	14.49	14.49	14.49	15.5	0.0	
15	QPSK	1	137	14.49	14.49	14.49	14.49	15.5	0.0	
Channel										
				64700	65000	65500	64700		MRR	
				Frequency (MHz)	3840	3930	4020	4110		
10	QPSK	1	1	14.43	14.47	14.41	14.50	15.5	0.0	

Part27Q n77 Ant8 Main_PA DSI 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power Middle (dBm)	Power High (dBm)	Tune-up (dBm)	Power (dB)	MPR (dB)
Channel									
	Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	11.01			12.5	0.0	
100	1/2 BPSK	1	137	11.01			12.5	0.0	
100	1/2 BPSK	1	271	11.02			12.5	0.0	
100	1/2 BPSK	135	0	11.04			12.5	0.0	
100	1/2 BPSK	135	136	11.02			12.5	0.0	
100	1/2 BPSK	270	0	11.05			12.5	0.0	
100	1/2 BPSK	270	136	11.02			12.5	0.0	
100	QPSK	1	137	11.02			12.5	0.0	
100	QPSK	135	271	10.98			12.5	0.0	
100	QPSK	135	69	11.06			12.5	0.0	
100	QPSK	135	168	11.06			12.5	0.0	
100	QPSK	270	0	11.05			12.5	0.0	
100	16QAM	1	1	11.06			12.5	0.0	
100	16QAM	1	137	11.05			12.5	0.0	
100	256QAM	1	1	11.07			12.5	0.0	
Channel									
	Frequency (MHz)			83300	83334	83368	Tune-up	MPR	
90	QPSK	1	1	3485	3500.01	3515.01	12.5	0.0	
	Channel			11.00	11.08	11.05	12.5	0.0	
	Frequency (MHz)			83260	83334	83860	Tune-up	MPR	
90	QPSK	1	1	3490.02	3500.01	3510.01	12.5	0.0	
	Channel			10.98	11.04	11.02	12.5	0.0	
90	QPSK	1	1	3485.01	3500.01	3515.01	Tune-up	MPR	
	Channel			10.98	11.04	11.05	12.5	0.0	
70	QPSK	1	1	3485.01	3500.01	3515.01	Tune-up	MPR	
	Channel			10.86	11.05	10.99	12.5	0.0	
	Frequency (MHz)			83200	83334	83400	Tune-up	MPR	
60	QPSK	1	1	3480	3500.01	3520.02	12.5	0.0	
	Channel			11.00	11.08	11.04	12.5	0.0	
	Frequency (MHz)			83140	83334	83360	Tune-up	MPR	
50	QPSK	1	1	3475.02	3500.01	3525.02	12.5	0.0	
	Channel			11.02	11.07	11.05	12.5	0.0	
50	QPSK	1	1	3475.01	3500.01	3525.01	Tune-up	MPR	
	Channel			11.04	11.07	11.04	12.5	0.0	
	Frequency (MHz)			34700	3500.01	3530.01	12.5	0.0	
40	QPSK	1	1	83100	83334	83368	Tune-up	MPR	
	Channel			3485	3500.01	3535.02	12.5	0.0	
30	QPSK	1	1	83100	83334	83668	Tune-up	MPR	
	Channel			83084	83334	83684	Tune-up	MPR	
	Frequency (MHz)			348251	3500.01	353751	12.5	0.0	
25	QPSK	1	1	11.04	11.07	11.03	12.5	0.0	
	Channel			83068	83334	83600	Tune-up	MPR	
20	QPSK	1	1	349802	3500.01	3501	12.5	0.0	
	Channel			83134	83334	83334	Tune-up	MPR	
20	QPSK	1	1	83060	83334	83616	Tune-up	MPR	
	Channel			83575	3500.01	35225	12.5	0.0	
15	QPSK	1	1	11.04	11.07	11.04	12.5	0.0	
	Channel			83034	83334	83634	Tune-up	MPR	
15	QPSK	1	1	83575	3500.01	35225	12.5	0.0	
10	QPSK	1	1	10.98	11.08	11.02	12.5	0.0	

Part27Q n77 Ant8 Main_PA DSI 8 PC2									
[BW MHz]	Modulation	RB Size	RB Offset	Power Low (dBm)	Power Middle (dBm)	Power High (dBm)	Time-up (ms)	Margin (dB)	
Channel					633334				
Frequency (MHz)					3000.01				
100	1/2 BPSK	1	1	14.02			15.5	0.0	
100	QPSK	1	137	14.03			15.5	0.0	
100	QPSK	1	231	14.04			15.5	0.0	
100	2 BPSK	135	0	13.99			15.5	0.0	
100	QPSK	135	138	14.08			15.5	0.0	
100	QPSK	270	0	13.99			15.5	0.0	
100	QPSK	270	138	14.12			15.5	0.0	
100	QPSK	1	137	14.01			15.5	0.0	
100	QPSK	135	231	14.00			15.5	0.0	
100	QPSK	135	69	14.06			15.5	0.0	
100	QPSK	135	198	14.07			15.5	0.0	
100	QPSK	270	0	14.01			15.5	0.0	
100	16QAM	1	140	14.07			15.5	0.0	
100	16QAM	1	142	14.08			15.5	0.0	
100	256QAM	1	140	14.04			15.5	0.0	
Channel					633300	633334	633666	Time-up: MPR	
100	QPSK	1	137	14.00	14.00	14.01	15.5	0.0	
100	QPSK	1	231	14.00	14.00	14.01	15.5	0.0	
Frequency (MHz)					633666	633334	633666	Time-up: MPR	
80	QPSK	1	137	14.00	14.00	14.01	15.5	0.0	
80	QPSK	1	231	14.00	14.00	14.01	15.5	0.0	
Frequency (MHz)					3000.01	3000.01	3000.01	Time-up: MPR	
80	QPSK	1	137	14.05	14.00	14.00	15.5	0.0	
80	QPSK	1	231	14.05	14.00	14.00	15.5	0.0	
Frequency (MHz)					633334	633334	633334	Time-up: MPR	
70	QPSK	1	137	14.00	14.00	14.00	15.5	0.0	
70	QPSK	1	231	14.00	14.00	14.00	15.5	0.0	
Frequency (MHz)					3480	3000.01	3520.02	Time-up: MPR	
60	QPSK	1	137	14.03	14.07	14.03	15.5	0.0	
60	QPSK	1	231	14.03	14.07	14.03	15.5	0.0	
Frequency (MHz)					3472.02	3000.01	3525	Time-up: MPR	
50	QPSK	1	137	14.00	14.00	14.02	15.5	0.0	
50	QPSK	1	231	14.00	14.00	14.02	15.5	0.0	
Frequency (MHz)					3470.01	3000.01	3520.01	Time-up: MPR	
40	QPSK	1	137	14.00	14.03	14.00	15.5	0.0	
40	QPSK	1	231	14.00	14.03	14.00	15.5	0.0	
Channel					631000	633334	635666	Time-up: MPR	
30	QPSK	1	137	14.05	14.00	14.00	15.5	0.0	
30	QPSK	1	231	14.05	14.00	14.01	15.5	0.0	
Channel					630834	633334	635834	Time-up: MPR	
25	QPSK	1	137	14.0251	14.0001	14.0001	15.5	0.0	
25	QPSK	1	231	14.01	14.07	14.03	15.5	0.0	
Channel					630666	633334	636000	Time-up: MPR	
20	QPSK	1	137	14.0002	14.0001	14.0001	15.5	0.0	
20	QPSK	1	231	14.00	14.03	13.99	15.5	0.0	
Channel					630500	633334	636166	Time-up: MPR	
15	QPSK	1	137	14.00	14.00	14.02	15.5	0.0	
15	QPSK	1	231	14.00	14.00	14.02	15.5	0.0	
Channel					630334	633334	636334	Time-up: MPR	
10	QPSK	1	137	14.00	14.00	14.02	15.5	0.0	
10	QPSK	1	231	14.01	14.06	14.04	15.5	0.0	



Part270 n78 Ant8 Main_PA DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	11.40			12.5		0.0
100	1/2 BPSK	1	137	11.40					
100	1/2 BPSK	1	271	11.43			12.5		0.0
100	1/2 BPSK	135	0	11.40					
100	1/2 BPSK	135	69	11.40			12.5		0.0
100	1/2 BPSK	135	138	11.43			12.5	0.0	
100	1/2 BPSK	270	0	11.44					
100	QPSK	1	1	11.53					
100	QPSK	1	137	11.41			12.5		0.0
100	QPSK	1	271	11.44					
100	QPSK	135	0	11.39			12.5		0.0
100	QPSK	135	69	11.45			12.5		0.0
100	QPSK	135	138	11.31			12.5		0.0
100	QPSK	270	0	11.35					
100	16QAM	1	1	11.44			12.5		0.0
100	64QAM	1	1	11.47			12.5		0.0
100	256QAM	1	1	11.41			12.5		0.0
Channel									
90	QPSK	1	1	849688	650000	650334	Tune-up	MPR	
				3743.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	11.42	11.48	11.35	12.5		0.0
				Channel					
80	QPSK	1	1	849334	650000	650668	Tune-up	MPR	
				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	11.33	11.48	11.38	12.5		0.0
				Channel					
70	QPSK	1	1	849000	650000	651000	Tune-up	MPR	
				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	11.30	11.45	11.36	12.5		0.0
				Channel					
60	QPSK	1	1	848668	650000	651334	Tune-up	MPR	
				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1	11.30	11.49	11.35	12.5		0.0
				Channel					
50	QPSK	1	1	848334	650000	651668	Tune-up	MPR	
				3725.01	3750	3745.02	limit	(dB)	
50	QPSK	1	1	11.39	11.49	11.36	12.5		0.0
				Channel					
40	QPSK	1	1	848000	650000	652000	Tune-up	MPR	
				3720	3750	3780	limit	(dB)	
40	QPSK	1	1	11.41	11.48	11.39	12.5		0.0
				Channel					
30	QPSK	1	1	847668	650000	652334	Tune-up	MPR	
				3715.02	3750	3765.01	limit	(dB)	
30	QPSK	1	1	11.38	11.48	11.35	12.5		0.0
				Channel					
25	QPSK	1	1	847500	650000	652500	Tune-up	MPR	
				3712.5	3750	3767.5	limit	(dB)	
25	QPSK	1	1	11.42	11.48	11.36	12.5		0.0
				Channel					
20	QPSK	1	1	847334	650000	652668	Tune-up	MPR	
				3710.01	3750	3760.02	limit	(dB)	
20	QPSK	1	1	11.38	11.50	11.35	12.5		0.0
				Channel					
15	QPSK	1	1	847168	650000	652834	Tune-up	MPR	
				3707.52	3750	3762.51	limit	(dB)	
15	QPSK	1	1	11.37	11.45	11.39	12.5		0.0
				Channel					
10	QPSK	1	1	847000	650000	653000	Tune-up	MPR	
				3705	3750	3765	limit	(dB)	
10	QPSK	1	1	11.40	11.47	11.36	12.5		0.0
				Channel					

Part270 n78 Ant8 Main_PA DSI 8									
PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	14.61				15.5	0.0
100	1/2 BPSK	1	137	14.64					
100	1/2 BPSK	1	271	14.67				15.5	0.0
100	1/2 BPSK	135	0	14.63					
100	1/2 BPSK	135	69	14.67				15.5	0.0
100	1/2 BPSK	135	138	14.61				15.5	0.0
100	1/2 BPSK	270	0	14.63					
100	QPSK	1	1	14.72					
100	QPSK	1	137	14.61				15.5	0.0
100	QPSK	1	271	14.59					
100	QPSK	135	0	14.59				15.5	0.0
100	QPSK	135	69	14.65				15.5	0.0
100	QPSK	135	138	14.55				15.5	0.0
100	QPSK	270	0	14.58					
100	16QAM	1	1	14.64				15.5	0.0
100	64QAM	1	1	14.60				15.5	0.0
100	256QAM	1	1	14.60				15.5	0.0
Channel									
90	Frequency (MHz)	849686	650000	650334	Tune-up	MPR			
	Frequency (MHz)	3743.02	3750	3755.01	limit	(dB)			
90	QPSK	1	1	14.57	14.67	14.64		15.5	0.0
Channel									
80	Frequency (MHz)	849334	650000	650668	Tune-up	MPR			
	Frequency (MHz)	3740.01	3750	3760.02	limit	(dB)			
80	QPSK	1	1	14.59	14.67	14.63		15.5	0.0
Channel									
70	Frequency (MHz)	849000	650000	651000	Tune-up	MPR			
	Frequency (MHz)	3735	3750	3765	limit	(dB)			
70	QPSK	1	1	14.62	14.66	14.63		15.5	0.0
Channel									
60	Frequency (MHz)	848668	650000	651334	Tune-up	MPR			
	Frequency (MHz)	3730.02	3750	3770.01	limit	(dB)			
60	QPSK	1	1	14.59	14.64	14.63		15.5	0.0
Channel									
50	Frequency (MHz)	848334	650000	651668	Tune-up	MPR			
	Frequency (MHz)	3725.01	3750	3745.02	limit	(dB)			
50	QPSK	1	1	14.57	14.66	14.63		15.5	0.0
Channel									
40	Frequency (MHz)	848000	650000	652000	Tune-up	MPR			
	Frequency (MHz)	3720	3750	3780	limit	(dB)			
40	QPSK	1	1	14.59	14.63	14.64		15.5	0.0
Channel									
30	Frequency (MHz)	847686	650000	652334	Tune-up	MPR			
	Frequency (MHz)	3715.02	3750	3765.01	limit	(dB)			
30	QPSK	1	1	14.62	14.68	14.64		15.5	0.0
Channel									
25	Frequency (MHz)	847500	650000	652500	Tune-up	MPR			
	Frequency (MHz)	3712.5	3750	3767.5	limit	(dB)			
25	QPSK	1	1	14.60	14.67	14.64		15.5	0.0
Channel									
20	Frequency (MHz)	847334	650000	652668	Tune-up	MPR			
	Frequency (MHz)	3710.01	3750	3760.02	limit	(dB)			
20	QPSK	1	1	14.62	14.69	14.61		15.5	0.0
Channel									
15	Frequency (MHz)	847168	650000	652834	Tune-up	MPR			
	Frequency (MHz)	3707.52	3750	3762.51	limit	(dB)			
15	QPSK	1	1	14.60	14.67	14.60		15.5	0.0
Channel									
10	Frequency (MHz)	847000	650000	653000	Tune-up	MPR			
	Frequency (MHz)	3705	3750	3765	limit	(dB)			
10	QPSK	1	1	14.58	14.67	14.65		15.5	0.0

Part27Q n78 Ant8 Main_PA DSI 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	10.63				12.5	0.0
100	1/2 BPSK	1	137	10.64					
100	1/2 BPSK	1	271	10.92				12.5	0.0
100	1/2 BPSK	135	0	10.63					
100	1/2 BPSK	135	69	10.91				12.5	0.0
100	1/2 BPSK	135	138	10.89				12.5	0.0
100	1/2 BPSK	270	0	10.88					
100	QPSK	1	1	10.93					
100	QPSK	1	137	10.92				12.5	0.0
100	QPSK	1	271	10.82					
100	QPSK	135	0	10.81				12.5	0.0
100	QPSK	135	69	10.87				12.5	0.0
100	QPSK	135	138	10.85				12.5	0.0
100	QPSK	270	0	10.74					
100	16QAM	1	1	10.89				12.5	0.0
100	64QAM	1	1	10.87				12.5	0.0
100	256QAM	1	1	10.90				12.5	0.0
Channel									
90	QPSK	1	1	83300	83334	83368			MPR
				3485	3500.01	3515.02			limit (dB)
				10.79	10.95	10.80		12.5	0.0
Channel									
90	QPSK	1	1	83300	83334	83368			MPR
				3490.02	3500.01	3510			limit (dB)
				10.77	10.95	10.80		12.5	0.0
Channel									
70	QPSK	1	1	83300	83334	83368			MPR
				3485.01	3500.01	3515.01			limit (dB)
				10.80	10.94	10.86		12.5	0.0
Channel									
60	QPSK	1	1	83300	83334	83368			MPR
				3480	3500.01	3520.02			limit (dB)
				10.81	10.96	10.85		12.5	0.0
Channel									
50	QPSK	1	1	83300	83334	83368			MPR
				3475.02	3500.01	3525			limit (dB)
				10.79	10.92	10.82		12.5	0.0
Channel									
40	QPSK	1	1	83300	83334	83368			MPR
				3470.01	3500.01	3530.01			limit (dB)
				10.78	10.94	10.85		12.5	0.0
Channel									
30	QPSK	1	1	83300	83334	83368			MPR
				3465	3500.01	3535.02			limit (dB)
				10.82	10.93	10.83		12.5	0.0
Channel									
25	QPSK	1	1	830834	833334	836834			MPR
				346251	3500.01	353751			limit (dB)
				10.81	10.95	10.85		12.5	0.0
Channel									
20	QPSK	1	1	830834	833334	836834			MPR
				346102	3500.01	353600			limit (dB)
				10.80	10.91	10.84		12.5	0.0
Channel									
15	QPSK	1	1	830834	833334	836834			MPR
				345975	3500.01	353475			limit (dB)
				10.79	10.93	10.81		12.5	0.0
Channel									
10	QPSK	1	1	830834	833334	836834			MPR
				345850	3500.01	353350			limit (dB)
				10.82	10.92	10.86		12.5	0.0

Bluetooth/WLAN Power

Art 9+10				Full power Receiver on for Head Close Full power for hotspot open Full power for Bodyworn open/Close Full power for Extremity Open/close		Receiver on for Head Open		standalone for hotspot Close		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.92	22.50	18.77	19.50	19.71	20.50	100.00
		6	2437	21.86	22.50	18.72	19.50	19.68	20.50	
		11	2462	21.79	22.50	18.67	19.50	19.61	20.50	
	802.11g 6Mbps	1	2412	18.99	19.50	Not Required	19.50	Not Required	19.50	98.97
		6	2437	20.50	21.00		19.50		20.50	
		11	2462	19.84	20.50		19.50		20.50	
	802.11n-HT20 MCS0	1	2412	19.33	20.00		19.50		20.00	100.00
		6	2437	19.48	20.00		19.50		20.00	
		11	2462	19.50	20.00		19.50		20.00	
	802.11n-HT40 MCS0	3	2422	17.83	18.50		18.50		18.50	100.00
		6	2437	19.80	20.50		19.50		20.50	
		9	2452	18.58	19.50		19.50		19.50	
	802.11ax-HE20 MCS0	1	2412	19.35	20.00	Not Required	19.50	Not Required	20.00	100.00
		6	2437	19.49	20.00		19.50		20.00	
		11	2462	17.72	18.50		18.50		18.50	
	802.11ax-HE40 MCS0	3	2422	17.87	18.50		18.50		18.50	100.00
		6	2437	19.82	20.50		19.50		20.50	
		9	2452	18.62	19.50		19.50		19.50	
	802.11be EHT20 MCS0	1	2412	19.40	20.00	Not Required	19.50	Not Required	20.00	100.00
		6	2437	19.54	20.50		19.50		20.50	
		11	2462	17.75	18.50		18.50		18.50	
	802.11be EHT40 MCS0	3	2422	17.90	18.50		18.50		18.50	100.00
		6	2437	19.85	20.50		19.50		20.50	
		9	2452	18.66	19.50		19.50		19.50	

Art 8+10				Full power for hotspot open/Close Full power for Bodyworn open/Close Full power for Extremity Open/close		Receiver on for Head Open		Receiver on for Head Close		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.03	20.00	Not Required	17.00	Not Required	18.50	99.32
		40	5200	19.73	20.50		17.00		18.50	
		44	5220	19.58	20.50		17.00		18.50	
		48	5240	19.68	20.50		17.00		18.50	
	802.11n-HT20 MCS0	36	5180	19.67	20.50		17.00		18.50	100.00
		40	5200	19.58	20.50		17.00		18.50	
		44	5220	19.57	20.50		17.00		18.50	
		48	5240	19.63	20.50		17.00		18.50	
	802.11n-HT40 MCS0	38	5190	18.48	19.00		17.00		18.50	100.00
		46	5230	18.81	19.50		17.00		18.50	
	802.11ac-VHT20 MCS0	36	5180	19.73	20.50		17.00		18.50	100.00
		40	5200	19.65	20.50		17.00		18.50	
		44	5220	19.62	20.50		17.00		18.50	
		48	5240	19.67	20.50		17.00		18.50	
	802.11ac-VHT40 MCS0	38	5190	18.49	19.00		17.00		18.50	100.00
		46	5230	18.84	19.50		17.00		18.50	
	802.11ac-VHT80 MCS0	42	5210	18.37	19.00	16.21	17.00	17.65	19.50	100.00
	802.11ax-HE20 MCS0	36	5180	19.87	20.50	Not Required	17.00	Not Required	18.50	100.00
		40	5200	19.79	20.50		17.00		18.50	
		44	5220	19.74	20.50		17.00		18.50	
		48	5240	19.78	20.50		17.00		18.50	
	802.11ax-HE40 MCS0	38	5190	18.52	19.50		17.00		18.50	100.00
		46	5230	18.87	19.50		17.00		18.50	
	802.11ax-HE80 MCS0	42	5210	17.41	18.00		17.00		18.00	100.00
	802.11be EHT20 MCS0	36	5180	19.90	20.50	Not Required	17.00	Not Required	18.50	100.00
		40	5200	19.83	20.50		17.00		18.50	
		44	5220	19.79	20.50		17.00		18.50	
		48	5240	19.82	20.50		17.00		18.50	
	802.11be EHT40 MCS0	38	5190	18.54	19.50		17.00		18.50	100.00
		46	5230	18.90	19.50		17.00		18.50	
	802.11be EHT80 MCS0	42	5210	17.44	18.00		17.00		18.00	100.00

Art 8+10				Full power for Extremity open/Close Full power for Bodyworn open/Close		Receiver on for Head Open		Receiver on for Head Close		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	20.56	21.50	Not Required	17.00	Not Required	18.50	99.32
		56	5280	20.69	21.50		17.00		18.50	
		60	5300	20.78	21.50		17.00		18.50	
		64	5320	19.11	20.00		17.00		18.50	
	802.11n-HT20 MCS0	52	5260	20.55	21.50		17.00		18.50	100.00
		56	5280	20.65	21.50		17.00		18.50	
		60	5300	20.40	21.00		17.00		18.50	
		64	5320	20.33	21.00		17.00		18.50	
	802.11n-HT40 MCS0	54	5270	19.75	20.50		17.00	17.51	18.50	100.00
		62	5310	18.85	19.50		17.00	17.62	18.50	
	802.11ac-VHT20 MCS0	52	5260	20.58	21.50		17.00	Not Required	18.50	100.00
		56	5280	20.68	21.50		17.00		18.50	
		60	5300	20.45	21.00		17.00		18.50	
		64	5320	20.36	21.00		17.00		18.50	
	802.11ac-VHT40 MCS0	54	5270	19.79	20.50		17.00		18.50	100.00
		62	5310	18.88	19.50		17.00		18.50	
	802.11ac-VHT80 MCS0	58	5290	16.42	17.00	16.42	17.00	16.42	17.00	100.00
	802.11ac-VHT160 MCS0	50	5250	15.40	16.00	Not Required	16.00	Not Required	16.00	100.00
	802.11ax-HE20 MCS0	52	5260	20.69	21.50		17.00		18.50	100.00
		56	5280	20.80	21.50		17.00		18.50	
		60	5300	20.56	21.50		17.00		18.50	
		64	5320	20.38	21.00		17.00		18.50	
	802.11ax-HE40 MCS0	54	5270	19.81	20.50		17.00		18.50	100.00
		62	5310	18.91	19.50		17.00		18.50	
	802.11ax-HE80 MCS0	58	5290	16.48	17.00		17.00		17.00	100.00
	802.11ax-HE160 MCS0	50	5250	15.43	16.00		16.00		16.00	100
	802.11be EHT20 MCS0	52	5260	20.76	21.50		17.00		18.50	100.00
		56	5280	20.86	21.50		17.00		18.50	
		60	5300	20.60	21.50		17.00		18.50	
		64	5320	20.40	21.00		17.00		18.50	
	802.11be EHT40 MCS0	54	5270	19.84	20.50		17.00		18.50	100.00
		62	5310	18.93	19.50		17.00		18.50	
	802.11be EHT80 MCS0	58	5290	16.51	17.50		17.00		17.50	100.00
	802.11be EHT160 MCS0	50	5250	15.44	16.00		16.00		16.00	100

Art 8+10				Full power for Extremely open/Close Full power for Body-worn open/Close		Receiver on for Head Open		Receiver on for Head Close			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	20.97	21.50		16.50		18.00	99.32	
		116	5580	20.91	21.50		16.50		18.00		
		124	5620	20.93	21.50		16.50		18.00		
		132	5660	20.88	21.50		16.50		18.00		
		140	5700	20.83	21.50		16.50		18.00		
		144	5720	20.82	21.50		16.50		18.00		
	802.11n-HT20 MCS0	100	5500	20.95	21.50		16.50		18.00	100.00	
		116	5580	20.88	21.50		16.50		18.00		
		124	5620	20.82	21.50		16.50		18.00		
		132	5660	20.76	21.50		16.50		18.00		
		140	5700	20.76	21.50		16.50		18.00		
		144	5720	20.63	21.50		16.50		18.00		
	802.11n-HT40 MCS0	102	5510	18.02	19.00		16.50		18.00	100.00	
		110	5550	18.01	19.00		16.50		18.00		
		126	5630	18.05	19.00		16.50		18.00		
		134	5670	18.00	19.00		16.50		18.00		
		142	5710	18.03	19.00		16.50		18.00		
		100	5500	20.99	21.50		16.50		18.00		
	802.11ac-VHT20 MCS0	116	5580	20.91	21.50		16.50		18.00	100.00	
		124	5620	20.86	21.50		16.50		18.00		
		132	5660	20.82	21.50		16.50		18.00		
		140	5700	20.82	21.50		16.50		18.00		
		144	5720	20.68	21.50		16.50		18.00		
		102	5510	18.05	19.00		16.50		18.00		
	802.11ac-VHT40 MCS0	110	5550	18.05	19.00		16.50		18.00	100.00	
		126	5630	18.08	19.00		16.50		18.00		
		134	5670	18.03	19.00		16.50		18.00		
		142	5710	18.08	19.00		16.50		18.00		
		106	5530	18.62	19.50	15.51	16.50	17.18	18.00		100.00
		802.11ac-VHT80 MCS0	122	5610	18.58	19.50	15.54	16.50	17.12		
	138		5690	18.62	19.50	15.48	16.50	17.05	18.00		
	802.11ac-VHT160 MCS0	114	5570	17.17	18.00		16.50		18.00	100.00	
	802.11ax-HE20 MCS0	100	5500	21.07	22.00		16.50		18.00	100.00	
		116	5580	21.01	22.00		16.50		18.00		
		124	5620	20.94	21.50		16.50		18.00		
		132	5660	20.92	21.50		16.50		18.00		
		140	5700	20.89	21.50		16.50		18.00		
		144	5720	20.82	21.50		16.50		18.00		
	802.11ax-HE40 MCS0	102	5510	18.07	19.00		16.50		18.00	100.00	
		110	5550	18.08	19.00		16.50		18.00		
		126	5630	18.11	19.00		16.50		18.00		
		134	5670	18.06	19.00		16.50		18.00		
		142	5710	18.11	19.00		16.50		18.00		
		106	5530	18.69	19.50		16.50		18.00		
	802.11ax-HE80 MCS0	122	5610	18.63	19.50		16.50		18.00	100.00	
		138	5690	18.67	19.50		16.50		18.00		
	802.11ax-HE160 MCS0	114	5570	17.19	18.00	Not Require	16.50	Not Require	18.00	100	
	802.11be EHT20 MCS0	100	5500	21.12	22.00		16.50		18.00	100.00	
		116	5580	21.05	22.00		16.50		18.00		
		124	5620	20.98	21.50		16.50		18.00		
		132	5660	20.95	21.50		16.50		18.00		
		140	5700	20.93	21.50		16.50		18.00		
		144	5720	20.86	21.50		16.50		18.00		
	802.11be EHT40 MCS0	102	5510	18.08	19.00		16.50		18.00	100.00	
		110	5550	18.10	19.00		16.50		18.00		
		126	5630	18.14	19.00		16.50		18.00		
		134	5670	18.10	19.00		16.50		18.00		
142		5710	18.15	19.00		16.50		18.00			
106		5530	18.74	19.50		16.50		18.00			
802.11be EHT80 MCS0	122	5610	18.70	19.50		16.50		18.00	100.00		
	138	5690	18.74	19.50		16.50		18.00			
802.11be EHT160 MCS0	114	5570	17.21	18.00		16.50		18.00	100		

Art 8+10				Full power for hotspot open/Close Full power for Extremity open/Close Full power for Body-worn open/Close		Receiver on for Head Open		Receiver on for Head Close			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.66	17.50	Not Require	17.00	17.50	99.32		
		157	5785	16.63	17.50		17.00	17.50			
		165	5825	16.58	17.50		17.00	17.50			
	802.11n-HT20 MCS0	149	5745	15.68	16.50		16.50	16.50	100.00		
		157	5785	15.70	16.50		16.50	16.50			
		165	5825	15.54	16.50		16.50	16.50			
	802.11n-HT40 MCS0	151	5755	19.89	20.50		Not Require	17.00	18.00	100.00	
		159	5795	19.82	20.50			17.00	18.00		
	802.11ac-VHT20 MCS0	149	5745	15.71	16.50		16.24	16.50	16.50	100.00	
		157	5785	15.73	16.50			16.50	16.50		
		165	5825	15.56	16.50			16.50	16.50		
	802.11ac-VHT40 MCS0	151	5755	19.94	20.50			17.00	18.00	100.00	
		159	5795	19.87	20.50				17.00		18.00
	802.11ac-VHT80 MCS0	155	5775	19.46	20.00	17.00		17.15	18.00	100.00	
	802.11ax-HE20 MCS0	149	5745	15.78	16.50	Not Require		16.50	16.50	100.00	
		157	5785	15.78	16.50			16.50	16.50		
		165	5825	15.60	16.50			16.50	16.50		
	802.11ax-HE40 MCS0	151	5755	19.96	20.50			17.00	18.00	100.00	
		159	5795	19.89	20.50				17.00		18.00
	802.11ax-HE80 MCS0	155	5775	19.52	20.50			Not Require	17.00	18.00	100.00
	802.11be EHT20 MCS0	149	5745	15.83	16.50				16.50	16.50	
		157	5785	15.83	16.50		16.50		16.50		
		165	5825	15.63	16.50		16.50		16.50		
	802.11be EHT40 MCS0	151	5755	19.98	20.50		17.00		18.00	100.00	
		159	5795	20.04	20.50				17.00		18.00
	802.11be EHT80 MCS0	155	5775	19.59	20.50		17.00		18.00	100.00	



BTBR/EDR **ANT9**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	13.28	12.27	12.27	15.00
	CH 39	2441	15.39	14.15	14.65	17.00
	CH 78	2480	15.44	14.20	14.69	17.00

BLE 1M **ANT9**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	8.32	10.00
	CH 19	2440	9.17	10.50
	CH 39	2480	7.98	9.50

BLE 2M **ANT9**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	8.45	10.00
	CH 19	2440	9.35	10.50
	CH 39	2480	8.18	9.50

BTBR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.56	9.47	9.45	12.00
	CH 39	2441	11.21	10.76	10.75	12.00
	CH 78	2480	10.80	10.16	10.15	12.00

BTBR/EDR **ANT10**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	14.68	13.24	13.26	16.00
	CH 39	2441	17.56	16.24	16.04	19.00
	CH 78	2480	17.67	16.08	16.19	19.00

BLE 1M **ANT10**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	6.12	7.50
	CH 19	2440	8.05	9.50
	CH 39	2480	7.20	8.50

BLE 2M **ANT10**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	6.15	7.50
	CH 19	2440	7.88	9.50
	CH 39	2480	7.34	8.50

BR TX BF

BTBR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.96	10.45	10.43	13.00
	CH 39	2441	12.45	10.98	10.95	13.00
	CH 78	2480	11.63	9.44	9.39	13.00

BTBR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	13.78	13.00	12.97	15.50
	CH 39	2441	14.89	13.88	13.86	16.50
	CH 78	2480	14.25	12.83	12.79	16.00