



Full&Default Power NSA Mode

n7 Ant2 Default Main PA-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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	24.28	24.32	24.34		
40	1/2 BPSK	1	108	24.29	24.27	24.20	25.5	0.0
40	1/2 BPSK	1	214	24.37	24.37	24.35		
40	1/2 BPSK	108	0	23.76	23.86	23.84	25.0	0.5
40	1/2 BPSK	108	54	24.32	24.41	24.36	25.5	0.0
40	1/2 BPSK	108	108	23.88	23.91	23.91	25.0	0.5
40	1/2 BPSK	216	0	23.93	23.89	23.81		
40	QPSK	1	1	24.38	24.44	24.40		
40	QPSK	1	108	24.34	24.37	24.40	25.5	0.0
40	QPSK	1	214	24.38	24.41	24.37		
40	QPSK	108	0	23.30	23.32	23.30	24.5	1.0
40	QPSK	108	54	24.36	24.37	24.34	25.5	0.0
40	QPSK	108	108	23.25	23.26	23.26	24.5	1.0
40	QPSK	216	0	23.39	23.41	23.33		
40	16QAM	1	1	23.19	23.18	23.14	24.5	1.0
40	16QAM	1	1	21.61	21.63	21.65	23.0	2.5
40	256QAM	1	1	19.74	19.72	19.68	21.0	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	24.33	24.42	24.41	25.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	24.35	24.38	24.34	25.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2537.5	limit	(dB)
25	QPSK	1	1	24.30	24.42	24.38	25.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	24.40	24.42	24.41	25.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2522.5	limit	(dB)
15	QPSK	1	1	24.37	24.38	24.43	25.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	24.33	24.43	24.32	25.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	24.30	24.36	24.35	25.5	0.0

n66 Ant2 Default Main PA-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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	24.46	24.68	24.64		
40	1/2 BPSK	1	108	24.46	24.58	24.63	25.5	0.0
40	1/2 BPSK	1	214	24.52	24.66	24.57		
40	1/2 BPSK	108	0	24.07	24.27	24.14	25.0	0.5
40	1/2 BPSK	108	54	24.51	24.66	24.66	25.5	0.0
40	1/2 BPSK	108	108	24.05	24.17	24.14	25.0	0.5
40	1/2 BPSK	216	0	24.04	24.28	24.18		
40	QPSK	1	1	24.52	24.73	24.69		
40	QPSK	1	108	24.54	24.65	24.62	25.5	0.0
40	QPSK	1	214	24.52	24.68	24.65		
40	QPSK	108	0	23.57	23.66	23.66	24.5	1.0
40	QPSK	108	54	24.50	24.70	24.61	25.5	0.0
40	QPSK	108	108	23.58	23.68	23.64	24.5	1.0
40	QPSK	216	0	23.51	23.71	23.62		
40	16QAM	1	1	23.57	23.64	23.63	24.5	1.0
40	16QAM	1	1	22.05	22.24	22.23	23.0	2.5
40	256QAM	1	1	20.07	20.28	20.22	21.0	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	24.53	24.67	24.65	0.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	24.46	24.69	24.66	25.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	24.48	24.68	24.62	25.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	24.52	24.68	24.66	25.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	24.50	24.65	24.63	25.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	24.50	24.69	24.71	25.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	24.46	24.69	24.62	25.5	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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPS	1	1	24.52	24.61	24.58		
40	3/2 BPS	1	53	24.55	24.57	24.58	25.5	0.0
40	1/2 BPS	1	104	24.40	24.45	24.47		
40	3/2 BPS	135	0	23.87	23.92	23.85	25.0	0.5
40	1/2 BPS	50	28	24.58	24.58	24.61	25.5	0.0
40	1/2 BPS	50	58	24.29	24.31	24.23		
40	3/2 BPS	100	0	23.84	23.88	23.90	25.0	0.5
40	QPSK	1	1	24.62	24.63	24.58		
40	QPSK	1	53	24.59	24.61	24.59	25.5	0.0
40	QPSK	1	104	24.36	24.42	24.40		
40	QPSK	50	0	23.54	23.59	23.62	24.5	1.0
40	QPSK	50	28	24.46	24.47	24.43	25.5	0.0
40	QPSK	50	56	24.25	24.29	24.31	24.5	1.0
40	QPSK	100	0	23.31	23.36	23.34		
40	16QAM	1	1	23.24	23.25	23.24	24.5	1.0
40	64QAM	1	1	21.79	21.82	21.82	23.0	2.5
40	256QAM	1	1	19.75	19.77	19.72	21.0	4.5
Channel				517002	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.55	24.58	24.54	25.5	0.0
Channel				516004	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	24.56	24.61	24.58	25.5	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2550	2595	2610		
20	QPSK	1	1	24.59	24.59	24.50	25.5	0.0
Channel				515002	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	24.53	24.58	24.54	25.5	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2576.02	2595	2614.99		
10	QPSK	1	1	24.57	24.63	24.53	25.5	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 BPS	1	1	24.42	24.57	24.51		
100	3/2 BPS	1	137	24.49	24.52	24.41	25.5	0.0
100	1/2 BPS	1	271	24.31	24.61	24.47		
100	3/2 BPS	135	0	23.93	24.11	24.01	25.0	0.5
100	1/2 BPS	135	69	24.48	24.58	24.57	25.5	0.0
100	1/2 BPS	135	138	23.94	24.14	24.00		
100	3/2 BPS	270	0	24.03	24.17	24.03	25.0	0.5
100	QPSK	1	1	24.48	24.65	24.56		
100	QPSK	1	137	24.49	24.60	24.47	25.5	0.0
100	QPSK	1	271	24.40	24.62	24.54		
100	QPSK	135	0	23.47	23.60	23.61	24.5	1.0
100	QPSK	135	69	24.43	24.61	24.49	25.5	0.0
100	QPSK	135	138	23.47	23.58	23.60	24.5	1.0
100	QPSK	270	0	23.51	23.66	23.54		
100	16QAM	1	1	23.51	23.59	23.59	24.5	1.0
100	64QAM	1	1	21.94	22.07	22.11	23.0	2.5
100	256QAM	1	1	20.01	20.13	20.01	21.0	4.5
Channel				508200	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.51	24.52	24.42	25.5	0.0
Channel				507204	518598	529998	Tune-up limit (dB)	MPR
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	1	24.43	24.54	24.39	25.5	0.0
Channel				506202	518598	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2635		
70	QPSK	1	1	24.46	24.52	24.39	25.5	0.0
Channel				505200	518598	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2592.99	2639.98		
60	QPSK	1	1	24.49	24.52	24.41	25.5	0.0
Channel				504204	518598	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2634.99		
50	QPSK	1	1	24.43	24.60	24.40	25.5	0.0
Channel				503202	518598	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.48	24.60	24.39	25.5	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.47	24.57	24.49	25.5	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
25	QPSK	1	1	24.46	24.57	24.44	0.0	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.48	24.57	24.44	25.5	0.0
Channel				500700	518598	536496	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.5	2592.99	2674.48		
15	QPSK	1	1	24.43	24.55	24.42	25.5	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.43	24.61	24.48	25.5	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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPS	1	1	21.00	20.99	20.92			
40	3/2 BPS	1	108	20.89	20.92	20.85	22.0	0.0	
40	1/2 BPS	1	214	20.97	20.97	20.90			
40	3/2 BPS	108	0	20.38	20.42	20.43	21.5	0.5	
40	1/2 BPS	108	54	20.95	20.94	20.97	22.0	0.0	
40	1/2 BPS	108	108	20.29	20.35	20.28			
40	3/2 BPS	216	0	20.38	20.38	20.38	21.5	0.5	
40	QPSK	1	1	20.92	21.01	20.96			
40	QPSK	1	108	20.81	20.85	20.83	22.0	0.0	
40	QPSK	1	214	20.97	20.99	20.99			
40	QPSK	108	0	19.84	19.88	19.90	21.0	1.0	
40	QPSK	108	54	20.90	20.94	20.88	22.0	0.0	
40	QPSK	108	108	19.78	19.86	19.79			
40	QPSK	216	0	19.86	19.93	19.90	21.0	1.0	
40	16QAM	1	1	19.66	19.69	19.69	21.0	1.0	
40	64QAM	1	1	18.28	18.26	18.26	19.5	2.5	
40	256QAM	1	1	16.30	16.37	16.33	17.5	4.5	
Channel				503000	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit		
35	QPSK	1	1	20.89	20.98	20.97	22.0	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit		
30	QPSK	1	1	20.88	20.98	20.89	22.0	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit		
25	QPSK	1	1	20.92	20.95	20.90	22.0	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit		
20	1/2 BPS	1	1	20.93	20.93	20.94	22.0	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit		
15	QPSK	1	1	20.94	20.98	20.98	22.0	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit		
10	QPSK	1	1	20.91	20.95	20.94	22.0	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit		
5	QPSK	1	1	20.88	20.93	20.96	22.0	0.0	

n66 Ant5 Default Main PA-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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPS	1	1	21.86	21.95	21.92			
40	3/2 BPS	1	108	21.87	21.90	21.87	22.5	0.0	
40	1/2 BPS	1	214	21.82	21.98	21.91			
40	3/2 BPS	108	0	21.36	21.46	21.47	22.0	0.5	
40	1/2 BPS	108	54	21.87	21.94	21.86	22.5	0.0	
40	1/2 BPS	108	108	21.39	21.52	21.44			
40	3/2 BPS	216	0	21.38	21.48	21.47	22.0	0.5	
40	QPSK	1	1	21.89	22.02	21.95			
40	QPSK	1	108	21.87	21.94	21.88	22.5	0.0	
40	QPSK	1	214	21.87	21.95	21.89			
40	QPSK	108	0	20.86	20.98	20.97	21.5	1.0	
40	QPSK	108	54	21.83	21.96	21.92	22.5	0.0	
40	QPSK	108	108	20.92	20.99	20.93			
40	QPSK	216	0	20.92	21.01	20.97	21.5	1.0	
40	16QAM	1	1	20.85	20.96	21.00	21.5	1.0	
40	64QAM	1	1	19.41	19.54	19.40	20.0	2.5	
40	256QAM	1	1	17.42	17.51	17.41	18.0	4.5	
Channel				345000	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit		
35	QPSK	1	1	21.82	21.96	21.89	0.0	0.0	
Channel				343000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit		
30	QPSK	1	1	21.82	22.00	21.90	22.5	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit		
25	QPSK	1	1	21.89	21.99	21.87	22.5	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit		
20	QPSK	1	1	21.91	22.01	21.94	22.5	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit		
15	QPSK	1	1	21.84	21.95	21.89	22.5	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit		
10	QPSK	1	1	21.89	21.97	21.86	22.5	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit		
5	QPSK	1	1	21.81	21.95	21.92	22.5	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	20.83	20.91	20.85		
40	3/2 BPSK	1	53	20.87	20.89	20.83	22.0	0.0
40	3/2 BPSK	1	104	20.95	20.94	20.92		
40	3/2 BPSK	50	0	20.41	20.41	20.41	21.5	0.5
40	3/2 BPSK	50	28	20.84	20.85	20.78	22.0	0.0
40	3/2 BPSK	50	56	20.39	20.38	20.31		
40	3/2 BPSK	100	0	20.27	20.33	20.32	21.5	0.5
40	QPSK	1	1	20.95	20.99	20.98		
40	QPSK	1	53	20.83	20.67	20.63	22.0	0.0
40	QPSK	1	104	20.49	20.54	20.48		
40	QPSK	50	0	19.59	19.74	19.76	21.0	1.0
40	QPSK	50	28	20.80	20.83	20.82	22.0	0.0
40	QPSK	50	56	19.52	19.53	19.57	21.0	1.0
40	QPSK	100	0	19.80	19.85	19.81		
40	16QAM	1	1	19.75	19.73	19.66	21.0	1.0
40	64QAM	1	1	18.31	18.29	18.21	19.5	2.5
40	256QAM	1	1	16.30	16.28	16.20	17.5	4.5
Channel				517002	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.89	20.93	20.98	22.0	0.0
Channel				516004	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	20.91	20.96	20.91	22.0	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.83	20.90	20.95	22.0	0.0
Channel				515002	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.91	20.97	20.91	22.0	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2575.02	2595	2614.99		
10	QPSK	1	1	20.92	20.96	20.91	22.0	0.0

n41 Ant5 Default Main PA-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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	20.92	20.94	20.93		
100	3/2 BPSK	1	137	20.81	20.91	21.00	22.0	0.0
100	3/2 BPSK	1	271	20.84	20.94	20.80		
100	3/2 BPSK	135	0	20.41	20.49	20.43	21.5	0.5
100	3/2 BPSK	135	69	20.93	20.98	20.96	22.0	0.0
100	3/2 BPSK	135	138	20.38	20.55	20.41		
100	3/2 BPSK	270	0	20.44	20.48	20.43	21.5	0.5
100	QPSK	1	1	20.93	21.01	20.95		
100	QPSK	1	137	20.90	20.93	20.97	22.0	0.0
100	QPSK	1	271	20.84	20.94	20.86		
100	QPSK	135	0	19.96	19.99	19.90	21.0	1.0
100	QPSK	135	69	20.90	20.94	20.93	22.0	0.0
100	QPSK	135	138	19.93	19.97	20.00	21.0	1.0
100	QPSK	270	0	19.92	20.02	19.94		
100	16QAM	1	1	19.93	20.00	19.91	21.0	1.0
100	64QAM	1	1	18.42	18.52	18.48	19.5	2.5
100	256QAM	1	1	16.42	16.52	16.41	17.5	4.5
Channel				508202	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.89	20.97	20.95	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dB)	MPR
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	1	20.85	20.98	20.88	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2635		
70	QPSK	1	1	20.95	20.94	20.90	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.86	20.95	20.98	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2654.99		
50	QPSK	1	1	20.90	20.97	20.92	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.88	20.98	20.96	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.87	20.93	20.93	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
25	QPSK	1	1	20.93	20.93	20.87	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.84	20.93	20.97	22.0	0.0
Channel				500700	518598	536496	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.5	2592.99	2674.48		
15	QPSK	1	1	20.96	20.97	20.88	22.0	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.90	20.97	20.95	22.0	0.0



Reduced Power NSA Mode for DSI1

n7 Ant2 DSI1 Main PA-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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	16.33	16.30	16.32		
40	1/2 BPSK	1	108	16.23	16.31	16.15	17.5	0.0
40	1/2 BPSK	1	214	16.39	16.35	16.40		
40	1/2 BPSK	108	0	16.21	16.35	16.32	17.5	0.0
40	1/2 BPSK	108	54	16.30	16.41	16.33	17.5	0.0
40	1/2 BPSK	108	108	16.39	16.45	16.45	17.5	0.0
40	1/2 BPSK	216	0	16.35	16.34	16.35		
40	QPSK	1	1	16.43	16.49	16.37		
40	QPSK	1	108	16.39	16.37	16.37	17.5	0.0
40	QPSK	1	214	16.40	16.40	16.34		
40	QPSK	108	0	16.28	16.29	16.29	17.5	0.0
40	QPSK	108	54	16.37	16.39	16.38	17.5	0.0
40	QPSK	108	108	16.21	16.30	16.28	17.5	0.0
40	QPSK	216	0	16.38	16.43	16.29		
40	16QAM	1	1	16.23	16.23	16.18	17.5	0.0
40	64QAM	1	1	16.11	16.18	16.17	17.5	0.0
40	256QAM	1	1	16.20	16.21	16.20	17.5	0.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	16.32	16.44	16.40	17.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	16.28	16.39	16.36	17.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	16.38	16.48	16.47	17.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	16.29	16.43	16.40	17.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	16.34	16.40	16.38	17.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	16.35	16.44	16.39	17.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	16.37	16.41	16.45	17.5	0.0

n66 Ant2 DSI1 Main PA-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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	19.06	19.18	19.12		
40	1/2 BPSK	1	108	19.04	19.13	19.09	20.0	0.0
40	1/2 BPSK	1	214	19.03	19.18	19.10		
40	1/2 BPSK	108	0	19.11	19.15	19.08	20.0	0.0
40	1/2 BPSK	108	54	19.05	19.14	19.14	20.0	0.0
40	1/2 BPSK	108	108	19.10	19.13	19.17	20.0	0.0
40	1/2 BPSK	216	0	19.01	19.20	19.12		
40	QPSK	1	1	19.19	19.24	19.21		
40	QPSK	1	108	19.09	19.11	19.15	20.0	0.0
40	QPSK	1	214	19.07	19.21	19.14		
40	QPSK	108	0	19.09	19.15	19.12	20.0	0.0
40	QPSK	108	54	19.05	19.17	19.10	20.0	0.0
40	QPSK	108	108	19.10	19.16	19.08	20.0	0.0
40	QPSK	216	0	19.13	19.20	19.11		
40	16QAM	1	1	19.06	19.16	19.16	20.0	0.0
40	64QAM	1	1	19.01	19.19	19.18	20.0	0.0
40	256QAM	1	1	19.02	19.14	19.13	20.0	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	19.02	19.12	19.17	20.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	19.03	19.11	19.12	20.0	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	19.01	19.12	19.17	20.0	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	19.00	19.12	19.19	20.0	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	19.07	19.20	19.10	20.0	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	19.00	19.22	19.17	20.0	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	19.01	19.20	19.14	20.0	0.0



n38 Ant2 DSI1 Main PA-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	16.46	16.57	16.55		
40	3/2 BPSK	1	53	16.57	16.58	16.57	17.5	0.0
40	3/2 BPSK	1	104	16.38	16.50	16.50		
40	3/2 BPSK	135	0	16.37	16.39	16.32	17.5	0.0
40	3/2 BPSK	50	28	16.53	16.60	16.56	17.5	0.0
40	3/2 BPSK	50	58	16.53	16.57	16.55		
40	3/2 BPSK	100	0	16.32	16.41	16.30	17.5	0.0
40	QPSK	1	1	16.56	16.65	16.59		
40	QPSK	1	53	16.64	16.59	16.60	17.5	0.0
40	QPSK	1	104	16.41	16.43	16.42		
40	QPSK	50	0	16.43	16.51	16.42	17.5	0.0
40	QPSK	50	28	16.57	16.59	16.54	17.5	0.0
40	QPSK	50	58	16.56	16.58	16.58		
40	QPSK	100	0	16.37	16.49	16.31	17.5	0.0
40	16QAM	1	1	16.24	16.29	16.29	17.5	0.0
40	64QAM	1	1	16.24	16.29	16.27	17.5	0.0
40	256QAM	1	1	16.21	16.24	16.24	17.5	0.0
Channel				517002	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	16.53	16.60	16.55	17.5	0.0
Channel				516004	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	16.54	16.57	16.58	17.5	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	16.54	16.59	16.53	17.5	0.0
Channel				515002	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	16.56	16.55	16.48	17.5	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2575.02	2595	2614.99		
10	QPSK	1	1	16.53	16.54	16.50	17.5	0.0

n41 Ant2 DSI1 Main PA-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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	16.47	16.59	16.46		
100	3/2 BPSK	1	137	16.51	16.56	16.44	17.5	0.0
100	3/2 BPSK	1	271	16.30	16.55	16.43		
100	3/2 BPSK	135	0	16.43	16.60	16.50	17.5	0.0
100	3/2 BPSK	135	69	16.47	16.53	16.54	17.5	0.0
100	3/2 BPSK	135	138	16.48	16.59	16.53		
100	3/2 BPSK	270	0	16.48	16.64	16.47	17.5	0.0
100	QPSK	1	1	16.49	16.68	16.54		
100	QPSK	1	137	16.46	16.59	16.47	17.5	0.0
100	QPSK	1	271	16.45	16.59	16.50		
100	QPSK	135	0	16.49	16.58	16.50	17.5	0.0
100	QPSK	135	69	16.45	16.60	16.46	17.5	0.0
100	QPSK	135	138	16.53	16.57	16.55	17.5	0.0
100	QPSK	270	0	16.52	16.59	16.50		
100	16QAM	1	1	16.52	16.59	16.53	17.5	0.0
100	64QAM	1	1	16.44	16.54	16.52	17.5	0.0
100	256QAM	1	1	16.49	16.58	16.54	17.5	0.0
Channel				508200	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.50	16.57	16.41	17.5	0.0
Channel				507204	518598	529998	Tune-up limit (dB)	MPR
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	1	16.55	16.51	16.40	17.5	0.0
Channel				506202	518598	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2635		
70	QPSK	1	1	16.49	16.51	16.30	17.5	0.0
Channel				505200	518598	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2592.99	2629.98		
60	QPSK	1	1	16.53	16.48	16.38	17.5	0.0
Channel				504204	518598	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2624.99		
50	QPSK	1	1	16.55	16.49	16.45	17.5	0.0
Channel				503202	518598	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.56	16.43	16.37	17.5	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.48	16.51	16.47	17.5	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
25	QPSK	1	1	16.54	16.51	16.37	0.0	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.54	16.47	16.38	17.5	0.0
Channel				500700	518598	536496	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.5	2592.99	2674.48		
15	QPSK	1	1	16.54	16.56	16.43	17.5	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	16.51	16.47	16.37	17.5	0.0



n7 Ant5 Default Main PA-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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPS	1	1	21.00	20.99	20.92			
40	3/2 BPS	1	108	20.89	20.92	20.85	22.0	0.0	
40	1/2 BPS	1	214	20.97	20.97	20.90			
40	3/2 BPS	108	0	20.38	20.42	20.43	21.5	0.5	
40	1/2 BPS	108	54	20.95	20.94	20.97	22.0	0.0	
40	1/2 BPS	108	108	20.29	20.35	20.28			
40	3/2 BPS	216	0	20.38	20.38	20.38	21.5	0.5	
40	QPSK	1	1	20.92	21.01	20.96			
40	QPSK	1	108	20.81	20.85	20.83	22.0	0.0	
40	QPSK	1	214	20.97	20.99	20.99			
40	QPSK	108	0	19.84	19.88	19.90	21.0	1.0	
40	QPSK	108	54	20.90	20.94	20.88	22.0	0.0	
40	QPSK	108	108	19.78	19.86	19.79			
40	QPSK	216	0	19.86	19.93	19.90	21.0	1.0	
40	16QAM	1	1	19.66	19.69	19.69	21.0	1.0	
40	64QAM	1	1	18.28	18.26	18.26	19.5	2.5	
40	256QAM	1	1	16.30	16.37	16.33	17.5	4.5	
Channel				503000	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)	
35	QPSK	1	1	20.89	20.98	20.97	22.0	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit	(dB)	
30	QPSK	1	1	20.88	20.98	20.89	22.0	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)	
25	QPSK	1	1	20.82	20.95	20.90	22.0	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit	(dB)	
20	1/2 BPS	1	1	20.93	20.93	20.94	22.0	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)	
15	QPSK	1	1	20.94	20.98	20.98	22.0	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit	(dB)	
10	QPSK	1	1	20.91	20.95	20.94	22.0	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)	
5	QPSK	1	1	20.88	20.93	20.96	22.0	0.0	

n66 Ant5 Default Main PA-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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPS	1	1	21.86	21.95	21.92			
40	3/2 BPS	1	108	21.87	21.90	21.87	22.5	0.0	
40	1/2 BPS	1	214	21.82	21.98	21.91			
40	3/2 BPS	108	0	21.36	21.46	21.47	22.0	0.5	
40	1/2 BPS	108	54	21.87	21.94	21.86	22.5	0.0	
40	1/2 BPS	108	108	21.39	21.52	21.44			
40	3/2 BPS	216	0	21.38	21.48	21.47	22.0	0.5	
40	QPSK	1	1	21.89	22.02	21.95			
40	QPSK	1	108	21.87	21.94	21.88	22.5	0.0	
40	QPSK	1	214	21.87	21.95	21.89			
40	QPSK	108	0	20.86	20.98	20.97	21.5	1.0	
40	QPSK	108	54	21.83	21.96	21.92	22.5	0.0	
40	QPSK	108	108	20.92	20.99	20.93			
40	QPSK	216	0	20.92	21.01	20.97	21.5	1.0	
40	16QAM	1	1	20.85	20.96	21.00	21.5	1.0	
40	64QAM	1	1	19.41	19.54	19.40	20.0	2.5	
40	256QAM	1	1	17.42	17.51	17.41	18.0	4.5	
Channel				345000	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	21.82	21.96	21.89	0.0	0.0	
Channel				343000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	21.82	22.00	21.90	22.5	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	21.89	21.99	21.87	22.5	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	21.91	22.01	21.94	22.5	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	21.84	21.95	21.89	22.5	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	21.89	21.97	21.86	22.5	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	21.81	21.95	21.92	22.5	0.0	



n38 Ant5 Default Main PA-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	20.83	20.91	20.85		
40	3/2 BPSK	1	53	20.87	20.89	20.83	22.0	0.0
40	1/2 BPSK	1	104	20.95	20.94	20.92		
40	3/2 BPSK	135	0	20.41	20.41	20.41	21.5	0.5
40	1/2 BPSK	50	28	20.84	20.85	20.78	22.0	0.0
40	1/2 BPSK	50	58	20.39	20.38	20.31		
40	3/2 BPSK	100	0	20.27	20.33	20.32	21.5	0.5
40	QPSK	1	1	20.95	20.99	20.98		
40	QPSK	1	53	20.83	20.67	20.63	22.0	0.0
40	QPSK	1	104	20.49	20.54	20.48		
40	QPSK	50	0	19.59	19.74	19.76	21.0	1.0
40	QPSK	50	28	20.80	20.83	20.82	22.0	0.0
40	QPSK	50	58	19.52	19.53	19.57	21.0	1.0
40	QPSK	100	0	19.80	19.85	19.81		
40	16QAM	1	1	19.75	19.73	19.66	21.0	1.0
40	64QAM	1	1	18.31	18.29	18.21	19.5	2.5
40	256QAM	1	1	16.30	16.28	16.20	17.5	4.5
Channel				517002	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.89	20.93	20.98	22.0	0.0
Channel				516004	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	20.91	20.96	20.91	22.0	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.83	20.90	20.95	22.0	0.0
Channel				515002	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.91	20.97	20.91	22.0	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2575.02	2595	2614.99		
10	QPSK	1	1	20.92	20.98	20.91	22.0	0.0

n41 Ant5 Default Main PA-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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	20.92	20.94	20.93		
100	3/2 BPSK	1	137	20.81	20.91	21.00	22.0	0.0
100	1/2 BPSK	1	271	20.84	20.94	20.80		
100	3/2 BPSK	135	0	20.41	20.49	20.43	21.5	0.5
100	1/2 BPSK	135	69	20.93	20.98	20.96	22.0	0.0
100	1/2 BPSK	135	138	20.38	20.55	20.41		
100	3/2 BPSK	270	0	20.44	20.48	20.43	21.5	0.5
100	QPSK	1	1	20.93	21.01	20.95		
100	QPSK	1	137	20.90	20.93	20.97	22.0	0.0
100	QPSK	1	271	20.84	20.94	20.86		
100	QPSK	135	0	19.96	19.99	19.90	21.0	1.0
100	QPSK	135	69	20.90	20.94	20.93	22.0	0.0
100	QPSK	135	138	19.93	19.97	20.00	21.0	1.0
100	QPSK	270	0	19.92	20.02	19.94		
100	16QAM	1	1	19.93	20.00	19.91	21.0	1.0
100	64QAM	1	1	18.42	18.52	18.48	19.5	2.5
100	256QAM	1	1	16.42	16.52	16.41	17.5	4.5
Channel				508202	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.89	20.97	20.95	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dB)	MPR
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	1	20.85	20.98	20.88	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2635		
70	QPSK	1	1	20.95	20.94	20.90	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.86	20.95	20.98	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2654.99		
50	QPSK	1	1	20.90	20.97	20.92	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.88	20.98	20.96	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.87	20.93	20.93	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
25	QPSK	1	1	20.93	20.93	20.87	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.84	20.93	20.97	22.0	0.0
Channel				500700	518598	536496	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.5	2592.99	2674.48		
15	QPSK	1	1	20.96	20.97	20.88	22.0	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.90	20.97	20.95	22.0	0.0



Reduced Power NSA Mode for DSI1

n66 Ant2 DSI1 Main PA-1 for ENDC

BW [MHz]	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	16.12	16.15	16.18		
40	1/2 BPSK	1	108	16.07	16.17	16.11	17.0	0.0
40	1/2 BPSK	1	214	16.05	16.23	16.14		
40	1/2 BPSK	108	0	16.07	16.19	16.04	17.0	0.0
40	1/2 BPSK	108	54	16.01	16.10	16.19	17.0	0.0
40	1/2 BPSK	108	108	16.13	16.15	16.16	17.0	0.0
40	1/2 BPSK	216	0	16.05	16.22	16.09		
40	QPSK	1	1	16.21	16.24	16.22		
40	QPSK	1	108	16.08	16.14	16.21	17.0	0.0
40	QPSK	1	214	16.04	16.22	16.10		
40	QPSK	108	0	16.11	16.15	16.09	17.0	0.0
40	QPSK	108	54	16.08	16.17	16.16	17.0	0.0
40	QPSK	108	108	16.07	16.12	16.02	17.0	0.0
40	QPSK	216	0	16.12	16.19	16.07		
40	16QAM	1	1	16.09	16.20	16.11	17.0	0.0
40	64QAM	1	1	16.04	16.22	16.14	17.0	0.0
40	256QAM	1	1	16.03	16.13	16.16	17.0	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	16.00	16.18	16.15	0.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	16.05	16.11	16.16	17.0	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	16.07	16.15	16.12	17.0	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	16.05	16.15	16.15	17.0	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	16.00	16.10	16.15	17.0	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	15.98	16.06	16.23	17.0	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	16.06	16.12	16.20	17.0	0.0



n66 Ant5 DSI1 Main PA-1 for ENDC

BW [MHz]	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	19.80	19.97	19.88		
40	1/2 BPSK	1	108	19.85	19.92	19.84	20.5	0.0
40	1/2 BPSK	1	214	19.85	19.93	19.90		
40	1/2 BPSK	108	0	19.86	19.92	19.96	20.5	0.0
40	1/2 BPSK	108	54	19.89	19.89	19.82	20.5	0.0
40	1/2 BPSK	108	108	19.90	20.01	19.95	20.5	0.0
40	1/2 BPSK	216	0	19.83	19.96	20.03		
40	QPSK	1	1	19.94	20.04	19.99		
40	QPSK	1	108	19.90	19.97	19.92	20.5	0.0
40	QPSK	1	214	19.91	19.95	19.95		
40	QPSK	108	0	19.86	20.00	19.91	20.5	0.0
40	QPSK	108	54	19.88	20.03	19.91	20.5	0.0
40	QPSK	108	108	19.98	20.02	19.97	20.5	0.0
40	QPSK	216	0	19.92	20.00	19.94		
40	16QAM	1	1	19.89	19.94	19.97	20.5	0.0
40	64QAM	1	1	19.41	19.54	19.40	20.0	0.5
40	256QAM	1	1	17.42	17.51	17.41	18.0	2.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	19.80	19.92	19.87	0.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	19.77	19.97	19.87	20.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	19.79	19.92	19.92	20.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	19.87	19.96	19.84	20.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	19.86	19.95	19.88	20.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	19.85	19.92	19.91	20.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	19.86	19.93	19.87	20.5	0.0



Reduced Power NSA Mode for DSI3

n7 Ant2 Default DSI3 PA-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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	20.75	20.87	20.89			
40	1/2 BPSK	1	108	20.80	20.77	20.81	22.0	0.0	
40	1/2 BPSK	1	214	20.84	20.78	20.80			
40	1/2 BPSK	108	0	20.84	20.89	20.84	22.0	0.0	
40	1/2 BPSK	108	54	20.79	20.87	20.77	22.0	0.0	
40	1/2 BPSK	108	108	20.87	20.83	20.81	22.0	0.0	
40	1/2 BPSK	216	0	20.80	20.84	20.83			
40	QPSK	1	1	20.77	20.91	20.84			
40	QPSK	1	108	20.86	20.85	20.87	22.0	0.0	
40	QPSK	1	214	20.78	20.86	20.75			
40	QPSK	108	0	20.84	20.81	20.70	22.0	0.0	
40	QPSK	108	54	20.83	20.89	20.85	22.0	0.0	
40	QPSK	108	108	20.80	20.80	20.85	22.0	0.0	
40	QPSK	216	0	20.87	20.88	20.76			
40	16QAM	1	1	20.71	20.72	20.67	22.0	0.0	
40	16QAM	1	1	20.53	20.58	20.55	22.0	0.0	
40	256QAM	1	1	19.74	19.72	19.68	21.0	1.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)	
35	QPSK	1	1	20.66	20.80	20.78	22.0	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit	(dB)	
30	QPSK	1	1	20.85	20.71	20.82	22.0	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2537.5	limit	(dB)	
25	QPSK	1	1	20.68	20.83	20.66	22.0	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit	(dB)	
20	1/2 BPSK	1	1	20.70	20.70	20.79	22.0	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2522.5	limit	(dB)	
15	QPSK	1	1	20.72	20.78	20.78	22.0	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit	(dB)	
10	QPSK	1	1	20.64	20.80	20.64	22.0	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)	
5	QPSK	1	1	20.73	20.90	20.72	22.0	0.0	

n66 Ant2 DSI3 Main PA-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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	22.97	22.88	22.97			
40	1/2 BPSK	1	108	22.81	23.08	23.01	24.0	0.0	
40	1/2 BPSK	1	214	22.96	23.11	22.97			
40	1/2 BPSK	108	0	23.04	23.14	22.96	24.0	0.0	
40	1/2 BPSK	108	54	22.89	23.09	23.05	24.0	0.0	
40	1/2 BPSK	108	108	22.95	23.10	23.11	24.0	0.0	
40	1/2 BPSK	216	0	22.85	23.25	22.97			
40	QPSK	1	1	23.15	23.27	23.13			
40	QPSK	1	108	22.83	23.01	23.05	24.0	0.0	
40	QPSK	1	214	22.87	23.04	23.09			
40	QPSK	108	0	22.93	22.95	23.00	24.0	0.0	
40	QPSK	108	54	22.86	23.17	22.99	24.0	0.0	
40	QPSK	108	108	23.00	23.14	22.99	24.0	0.0	
40	QPSK	216	0	23.02	23.04	23.01			
40	16QAM	1	1	23.21	23.24	23.23	24.0	0.0	
40	16QAM	1	1	22.05	22.24	22.23	23.0	1.0	
40	256QAM	1	1	20.07	20.28	20.22	21.0	3.0	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	22.84	23.21	23.06	0.0	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	22.88	23.08	23.07	24.0	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	22.91	23.11	23.12	24.0	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	22.87	23.17	23.15	24.0	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	22.82	23.21	23.00	24.0	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	22.83	23.15	23.10	24.0	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	22.92	23.22	23.15	24.0	0.0	



n38 Ant2 DSI3 Main PA-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)				518004	519000	519996		
40	1/2 BPSK	1	1	20.88	20.90	20.98		
40	3/2 BPSK	1	53	20.83	21.04	21.08	22.0	0.0
40	3/2 BPSK	1	104	20.81	20.78	20.82		
40	3/2 BPSK	0	0	20.83	20.82	20.66	22.0	0.0
40	3/2 BPSK	50	28	20.86	21.07	21.09	22.0	0.0
40	3/2 BPSK	50	58	20.84	20.83	20.94		
40	3/2 BPSK	100	0	20.83	20.86	20.80	22.0	0.0
40	QPSK	1	1	21.08	21.12	21.04		
40	QPSK	1	53	21.08	20.97	21.11	22.0	0.0
40	QPSK	1	104	20.87	20.87	20.74		
40	QPSK	50	0	20.90	20.93	20.91	22.0	0.0
40	QPSK	50	28	20.82	20.94	20.74	22.0	0.0
40	QPSK	50	58	20.57	20.61	20.80	22.0	0.0
40	QPSK	100	0	20.67	20.73	20.69		
40	16QAM	1	1	20.55	20.53	20.60	22.0	0.0
40	64QAM	1	1	20.69	20.83	20.83	22.0	0.0
40	256QAM	1	1	20.25	20.27	20.22	21.0	1.0
Channel								
Frequency (MHz)				517002	519000	520998	Tune-up limit (dB)	MPR
30	QPSK	1	1	20.91	20.94	21.00	22.0	0.0
Channel								
Frequency (MHz)				2582.52	2595	2607.48	limit (dB)	
25	QPSK	1	1	20.94	20.97	20.87	22.0	0.0
Channel								
Frequency (MHz)				516000	519000	522000	Tune-up limit (dB)	MPR
20	QPSK	1	1	20.87	21.04	21.07	22.0	0.0
Channel								
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)	
15	QPSK	1	1	21.02	21.11	21.04	22.0	0.0
Channel								
Frequency (MHz)				515004	519000	522996	Tune-up limit (dB)	MPR
10	QPSK	1	1	21.04	21.10	21.02	22.0	0.0

n41 Ant2 DSI3 Main PA-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)				509202	518598	528000		
100	1/2 BPSK	1	1	20.80	20.88	20.99		
100	3/2 BPSK	1	137	20.80	21.05	20.92	22.0	0.0
100	3/2 BPSK	1	271	20.75	20.62	20.77		
100	3/2 BPSK	135	0	20.70	20.62	20.45	22.0	0.0
100	3/2 BPSK	135	69	20.81	21.06	21.05	22.0	0.0
100	3/2 BPSK	135	138	20.63	20.76	20.84		
100	3/2 BPSK	270	0	20.62	20.76	20.78	22.0	0.0
100	QPSK	1	1	21.06	21.12	21.00		
100	QPSK	1	137	20.92	20.80	21.10	22.0	0.0
100	QPSK	1	271	20.68	20.75	20.74		
100	QPSK	135	0	20.88	20.95	20.74	22.0	0.0
100	QPSK	135	69	20.82	21.07	20.69	22.0	0.0
100	QPSK	135	138	20.38	20.48	20.62	22.0	0.0
100	QPSK	270	0	20.63	20.99	20.53		
100	16QAM	1	1	20.43	20.47	20.39	22.0	0.0
100	64QAM	1	1	20.69	20.80	20.82	22.0	0.0
100	256QAM	1	1	20.01	20.13	20.01	21.0	1.0
Channel								
Frequency (MHz)				508200	518598	528996	Tune-up limit (dB)	MPR
90	QPSK	1	1	20.95	21.10	20.83	22.0	0.0
Channel								
Frequency (MHz)				2637.04	2649.98	2659.98	Tune-up limit (dB)	MPR
80	QPSK	1	1	20.88	20.99	20.84	22.0	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dB)	MPR
70	QPSK	1	1	20.88	21.01	20.92	22.0	0.0
Channel								
Frequency (MHz)				2626.02	2639.99	2649.99	limit (dB)	
60	QPSK	1	1	20.86	21.02	21.02	22.0	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dB)	MPR
50	QPSK	1	1	20.98	21.10	20.89	22.0	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dB)	MPR
40	QPSK	1	1	21.06	20.98	21.05	22.0	0.0
Channel								
Frequency (MHz)				2511	2592.99	2674.98	limit (dB)	
30	QPSK	1	1	20.87	20.94	20.89	22.0	0.0
Channel								
Frequency (MHz)				502200	518598	534996	Tune-up limit (dB)	MPR
25	QPSK	1	1	20.89	21.11	21.02	22.0	0.0
Channel								
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)	
20	QPSK	1	1	21.06	21.08	20.95	22.0	0.0
Channel								
Frequency (MHz)				500700	518598	536496	Tune-up limit (dB)	MPR
15	QPSK	1	1	21.04	21.11	21.02	22.0	0.0
Channel								
Frequency (MHz)				500202	518598	537000	Tune-up limit (dB)	MPR
10	QPSK	1	1	21.04	21.09	20.86	22.0	0.0



Reduced Power NSA Mode for DSI4

n7 Ant2 DSI4 Main PA-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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	24.28	24.32	24.34		
40	1/2 BPSK	1	108	24.29	24.27	24.20	25.5	0.0
40	1/2 BPSK	1	214	24.37	24.37	24.35		
40	1/2 BPSK	108	0	23.76	23.86	23.84	25.0	0.5
40	1/2 BPSK	108	54	24.32	24.41	24.36	25.5	0.0
40	1/2 BPSK	108	108	23.88	23.91	23.91	25.0	0.5
40	1/2 BPSK	216	0	23.93	23.89	23.81		
40	QPSK	1	1	24.38	24.44	24.40		
40	QPSK	1	108	24.34	24.37	24.40	25.5	0.0
40	QPSK	1	214	24.38	24.41	24.37		
40	QPSK	108	0	23.30	23.32	23.30	24.5	1.0
40	QPSK	108	54	24.36	24.37	24.34	25.5	0.0
40	QPSK	108	108	23.25	23.26	23.26	24.5	1.0
40	QPSK	216	0	23.39	23.41	23.33		
40	16QAM	1	1	23.19	23.18	23.14	24.5	1.0
40	16QAM	1	1	21.61	21.63	21.65	23.0	2.5
40	256QAM	1	1	19.74	19.72	19.68	21.0	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	24.33	24.42	24.41	25.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	24.35	24.38	24.34	25.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2537.5	limit	(dB)
25	QPSK	1	1	24.30	24.42	24.38	25.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	24.40	24.42	24.41	25.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2522.5	limit	(dB)
15	QPSK	1	1	24.37	24.38	24.43	25.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	24.33	24.43	24.32	25.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	24.30	24.36	24.35	25.5	0.0

n66 Ant2 DSI4 Main PA-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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	24.46	24.68	24.64		
40	1/2 BPSK	1	108	24.46	24.58	24.63	25.5	0.0
40	1/2 BPSK	1	214	24.52	24.66	24.57		
40	1/2 BPSK	108	0	24.07	24.27	24.14	25.0	0.5
40	1/2 BPSK	108	54	24.51	24.66	24.66	25.5	0.0
40	1/2 BPSK	108	108	24.05	24.17	24.14	25.0	0.5
40	1/2 BPSK	216	0	24.04	24.28	24.18		
40	QPSK	1	1	24.52	24.73	24.69		
40	QPSK	1	108	24.54	24.65	24.62	25.5	0.0
40	QPSK	1	214	24.52	24.68	24.65		
40	QPSK	108	0	23.57	23.66	23.66	24.5	1.0
40	QPSK	108	54	24.50	24.70	24.61	25.5	0.0
40	QPSK	108	108	23.58	23.68	23.64	24.5	1.0
40	QPSK	216	0	23.51	23.71	23.62		
40	16QAM	1	1	23.57	23.64	23.63	24.5	1.0
40	16QAM	1	1	22.05	22.24	22.23	23.0	2.5
40	256QAM	1	1	20.07	20.28	20.22	21.0	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	24.53	24.67	24.65	0.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	24.46	24.69	24.66	25.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	24.48	24.68	24.62	25.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	24.52	24.68	24.66	25.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	24.50	24.65	24.63	25.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	24.50	24.69	24.71	25.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	24.46	24.69	24.62	25.5	0.0



n38 Ant2 DSI4 Main PA-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 BPS	1	1	24.52	24.61	24.58		
40	3/2 BPS	1	53	24.55	24.57	24.58	25.5	0.0
40	3/2 BPS	1	104	24.40	24.45	24.47		
40	3/2 BPS	1	0	23.87	23.92	23.85	25.0	0.5
40	3/2 BPS	50	28	24.58	24.58	24.61	25.5	0.0
40	3/2 BPS	50	58	24.29	24.31	24.23		
40	3/2 BPS	100	0	23.84	23.88	23.90	25.0	0.5
40	QPSK	1	1	24.62	24.63	24.58		
40	QPSK	1	53	24.59	24.61	24.59	25.5	0.0
40	QPSK	1	104	24.36	24.42	24.40		
40	QPSK	50	0	23.54	23.59	23.62	24.5	1.0
40	QPSK	50	28	24.46	24.47	24.43	25.5	0.0
40	QPSK	50	58	24.25	24.29	24.31	24.5	1.0
40	QPSK	100	0	23.31	23.36	23.34		
40	16QAM	1	1	23.24	23.25	23.24	24.5	1.0
40	64QAM	1	1	21.79	21.82	21.82	23.0	2.5
40	256QAM	1	1	19.75	19.77	19.72	21.0	4.5
Channel				517002	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.55	24.58	24.54	25.5	0.0
Channel				516004	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	24.56	24.61	24.58	25.5	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2550	2595	2610		
20	QPSK	1	1	24.59	24.59	24.50	25.5	0.0
Channel				515002	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	24.53	24.58	24.54	25.5	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2576.02	2595	2614.99		
10	QPSK	1	1	24.57	24.63	24.53	25.5	0.0

n41 Ant2 DSI4 Main PA-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	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPS	1	1	24.42	24.57	24.51		
100	3/2 BPS	1	137	24.49	24.52	24.41	25.5	0.0
100	3/2 BPS	1	271	24.31	24.61	24.47		
100	3/2 BPS	135	0	23.93	24.11	24.01	25.0	0.5
100	3/2 BPS	135	69	24.48	24.58	24.57	25.5	0.0
100	3/2 BPS	135	138	23.94	24.14	24.00		
100	3/2 BPS	270	0	24.03	24.17	24.03	25.0	0.5
100	QPSK	1	1	24.48	24.65	24.56		
100	QPSK	1	137	24.49	24.60	24.47	25.5	0.0
100	QPSK	1	271	24.40	24.62	24.54		
100	QPSK	135	0	23.47	23.60	23.61	24.5	1.0
100	QPSK	135	69	24.43	24.61	24.49	25.5	0.0
100	QPSK	135	138	23.47	23.58	23.60	24.5	1.0
100	QPSK	270	0	23.51	23.66	23.54		
100	16QAM	1	1	23.51	23.59	23.59	24.5	1.0
100	64QAM	1	1	21.94	22.07	22.11	23.0	2.5
100	256QAM	1	1	20.01	20.13	20.01	21.0	4.5
Channel				508200	518998	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.51	24.52	24.42	25.5	0.0
Channel				507204	518998	529998	Tune-up limit (dB)	MPR
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	1	24.43	24.54	24.39	25.5	0.0
Channel				506202	518998	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2635		
70	QPSK	1	1	24.46	24.52	24.39	25.5	0.0
Channel				505200	518998	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2592.99	2639.98		
60	QPSK	1	1	24.49	24.52	24.41	25.5	0.0
Channel				504204	518998	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2634.99		
50	QPSK	1	1	24.43	24.60	24.40	25.5	0.0
Channel				503202	518998	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.48	24.60	24.39	25.5	0.0
Channel				502200	518998	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.47	24.57	24.49	25.5	0.0
Channel				502200	518998	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
25	QPSK	1	1	24.46	24.57	24.44	0.0	0.0
Channel				501204	518998	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.48	24.57	24.44	25.5	0.0
Channel				500700	518998	536496	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.5	2592.99	2674.48		
15	QPSK	1	1	24.43	24.55	24.42	25.5	0.0
Channel				500202	518998	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.43	24.61	24.48	25.5	0.0



n7 Ant5 DSI4 Main PA-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				504000	507000	510000		
Frequency (MHz)								
40	1/2 BPS	1	1	21.00	20.99	20.92		
40	3/2 BPS	1	108	20.89	20.92	20.85	22.0	0.0
40	1/2 BPS	1	214	20.97	20.97	20.90		
40	3/2 BPS	108	0	20.38	20.42	20.43	21.5	0.5
40	1/2 BPS	108	54	20.95	20.94	20.97	22.0	0.0
40	1/2 BPS	108	108	20.29	20.35	20.28		
40	3/2 BPS	216	0	20.38	20.38	20.38	21.5	0.5
40	QPSK	1	1	20.92	21.01	20.96		
40	QPSK	1	108	20.81	20.85	20.83	22.0	0.0
40	QPSK	1	214	20.97	20.99	20.99		
40	QPSK	108	0	19.84	19.86	19.90	21.0	1.0
40	QPSK	108	54	20.90	20.94	20.88	22.0	0.0
40	QPSK	108	108	19.78	19.86	19.79	21.0	1.0
40	QPSK	216	0	19.86	19.93	19.90		
40	16QAM	1	1	19.69	19.69	19.69	21.0	1.0
40	64QAM	1	1	19.28	19.26	19.26	19.5	2.5
40	256QAM	1	1	16.30	16.37	16.33	17.5	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)								
35	QPSK	1	1	20.69	20.69	20.67	22.0	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	20.88	20.98	20.89	22.0	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	20.92	20.95	20.90	22.0	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)								
20	1/2 BPS	1	1	20.93	20.93	20.94	22.0	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	20.94	20.98	20.98	22.0	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	20.81	20.95	20.94	22.0	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)								
5	QPSK	1	1	20.88	20.93	20.96	22.0	0.0

n66 Ant5 DSI4 Main PA-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				346000	349000	352000		
Frequency (MHz)								
40	1/2 BPS	1	1	21.86	21.95	21.92		
40	3/2 BPS	1	108	21.87	21.90	21.87	22.5	0.0
40	1/2 BPS	1	214	21.82	21.98	21.91		
40	3/2 BPS	108	0	21.36	21.46	21.47	22.0	0.5
40	1/2 BPS	108	54	21.87	21.94	21.86	22.5	0.0
40	1/2 BPS	108	108	21.39	21.52	21.44		
40	3/2 BPS	216	0	21.38	21.48	21.47	22.0	0.5
40	QPSK	1	1	21.89	22.02	21.95		
40	QPSK	1	108	21.87	21.94	21.88	22.5	0.0
40	QPSK	1	214	21.87	21.95	21.89		
40	QPSK	108	0	20.86	20.98	20.97	21.5	1.0
40	QPSK	108	54	21.83	21.98	21.92	22.5	0.0
40	QPSK	108	108	20.92	20.99	20.93	21.5	1.0
40	QPSK	216	0	20.92	21.01	20.97		
40	16QAM	1	1	20.85	20.96	21.00	21.5	1.0
40	64QAM	1	1	19.41	19.54	19.40	20.0	2.5
40	256QAM	1	1	17.42	17.51	17.41	18.0	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)								
35	QPSK	1	1	17.275	17.45	17.625	limit	
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	21.82	22.00	21.90	22.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	21.89	21.99	21.87	22.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)								
20	QPSK	1	1	21.91	22.01	21.94	22.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	21.84	21.95	21.89	22.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	21.69	21.87	21.86	22.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)								
5	QPSK	1	1	21.81	21.95	21.92	22.5	0.0



n38 Ant5 DSI4 Main PA-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	20.83	20.91	20.85			
40	3/2 BPSK	1	53	20.87	20.89	20.83	22.0	0.0	
40	1/2 BPSK	1	104	20.95	20.94	20.92			
40	3/2 BPSK	135	0	20.41	20.41	20.41	21.5	0.5	
40	1/2 BPSK	50	28	20.84	20.85	20.78	22.0	0.0	
40	1/2 BPSK	50	58	20.39	20.38	20.31			
40	3/2 BPSK	100	0	20.27	20.33	20.32	21.5	0.5	
40	QPSK	1	1	20.95	20.99	20.98			
40	QPSK	1	53	20.83	20.67	20.63	22.0	0.0	
40	QPSK	1	104	20.49	20.54	20.48			
40	QPSK	50	0	19.59	19.74	19.76	21.0	1.0	
40	QPSK	50	28	20.80	20.83	20.82	22.0	0.0	
40	QPSK	50	58	19.52	19.53	19.57	21.0	1.0	
40	QPSK	100	0	19.80	19.85	19.81			
40	16QAM	1	1	19.75	19.73	19.66	21.0	1.0	
40	64QAM	1	1	18.31	18.29	18.21	19.5	2.5	
40	256QAM	1	1	16.30	16.28	16.20	17.5	4.5	
Channel				517002	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	20.89	20.93	20.98	22.0	0.0	
Channel				516004	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	20.91	20.96	20.91	22.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.83	20.90	20.95	22.0	0.0	
Channel				515902	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.91	20.97	20.91	22.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.99			
10	QPSK	1	1	20.92	20.98	20.91	22.0	0.0	

n41 Ant5 DSI4 Main PA-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	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	1/2 BPSK	1	1	20.52	20.94	20.93			
100	3/2 BPSK	1	137	20.81	20.91	21.00	22.0	0.0	
100	1/2 BPSK	1	271	20.84	20.94	20.80			
100	3/2 BPSK	135	0	20.41	20.49	20.43	21.5	0.5	
100	1/2 BPSK	135	69	20.93	20.98	20.96	22.0	0.0	
100	1/2 BPSK	135	138	20.38	20.55	20.41			
100	3/2 BPSK	270	0	20.44	20.48	20.43	21.5	0.5	
100	QPSK	1	1	20.93	21.01	20.95			
100	QPSK	1	137	20.90	20.93	20.97	22.0	0.0	
100	QPSK	1	271	20.84	20.94	20.86			
100	QPSK	135	0	19.96	19.99	19.90	21.0	1.0	
100	QPSK	135	69	20.90	20.94	20.93	22.0	0.0	
100	QPSK	135	138	19.93	19.97	20.00	21.0	1.0	
100	QPSK	270	0	19.92	20.02	19.94			
100	16QAM	1	1	19.93	20.00	19.91	21.0	1.0	
100	64QAM	1	1	18.42	18.52	18.48	19.5	2.5	
100	256QAM	1	1	16.42	16.52	16.41	17.5	4.5	
Channel				508200	518598	528996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.89	20.97	20.95	22.0	0.0	
Channel				507204	518598	528998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2636.02	2592.99	2649.99			
80	QPSK	1	1	20.85	20.98	20.88	22.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2635			
70	QPSK	1	1	20.95	20.91	20.90	22.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.86	20.95	20.98	22.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	QPSK	1	1	20.90	20.97	20.92	22.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.88	20.98	20.96	22.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.87	20.93	20.93	22.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
25	QPSK	1	1	20.93	20.93	20.87	22.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.84	20.93	20.97	22.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.5	2592.99	2674.48			
15	QPSK	1	1	20.96	20.97	20.88	22.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	20.90	20.97	20.95	22.0	0.0	



Reduced Power NSA Mode for DSI5

n7 Ant2 DSI5 Main PA-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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	16.33	16.30	16.32		
40	1/2 BPSK	1	108	16.23	16.31	16.15	17.5	0.0
40	1/2 BPSK	1	214	16.39	16.35	16.40		
40	1/2 BPSK	108	0	16.21	16.35	16.32	17.5	0.0
40	1/2 BPSK	108	54	16.30	16.41	16.33	17.5	0.0
40	1/2 BPSK	108	108	16.39	16.45	16.45	17.5	0.0
40	1/2 BPSK	216	0	16.35	16.34	16.35		
40	QPSK	1	1	16.43	16.49	16.37		
40	QPSK	1	108	16.39	16.37	16.37	17.5	0.0
40	QPSK	1	214	16.40	16.40	16.34		
40	QPSK	108	0	16.26	16.29	16.29	17.5	0.0
40	QPSK	108	54	16.37	16.39	16.38	17.5	0.0
40	QPSK	108	108	16.21	16.30	16.28	17.5	0.0
40	QPSK	216	0	16.38	16.43	16.29		
40	16QAM	1	1	16.23	16.23	16.18	17.5	0.0
40	16QAM	1	1	16.11	16.18	16.17	17.5	0.0
40	256QAM	1	1	16.20	16.21	16.20	17.5	0.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	16.32	16.44	16.40	17.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	16.28	16.39	16.36	17.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	16.38	16.48	16.47	17.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	16.29	16.43	16.40	17.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2572.5	limit	(dB)
15	QPSK	1	1	16.34	16.40	16.38	17.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	16.35	16.44	16.39	17.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	16.37	16.41	16.45	17.5	0.0

n66 Ant2 DSI5 Main PA-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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	19.06	19.18	19.12		
40	1/2 BPSK	1	108	19.04	19.13	19.09	20.0	0.0
40	1/2 BPSK	1	214	19.03	19.18	19.10		
40	1/2 BPSK	108	0	19.11	19.15	19.06	20.0	0.0
40	1/2 BPSK	108	54	19.05	19.14	19.14	20.0	0.0
40	1/2 BPSK	108	108	19.10	19.13	19.17	20.0	0.0
40	1/2 BPSK	216	0	19.01	19.20	19.12		
40	QPSK	1	1	19.19	19.24	19.21		
40	QPSK	1	108	19.09	19.11	19.15	20.0	0.0
40	QPSK	1	214	19.07	19.21	19.14		
40	QPSK	108	0	19.09	19.15	19.12	20.0	0.0
40	QPSK	108	54	19.05	19.17	19.10	20.0	0.0
40	QPSK	108	108	19.10	19.16	19.08	20.0	0.0
40	QPSK	216	0	19.13	19.20	19.11		
40	16QAM	1	1	19.06	19.16	19.16	20.0	0.0
40	16QAM	1	1	19.01	19.19	19.18	20.0	0.0
40	256QAM	1	1	19.02	19.14	19.13	20.0	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	19.02	19.12	19.17	20.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	19.03	19.11	19.12	20.0	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	19.01	19.12	19.17	20.0	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	19.00	19.12	19.19	20.0	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	19.07	19.20	19.10	20.0	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	19.00	19.22	19.17	20.0	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	19.01	19.20	19.14	20.0	0.0



n38 Ant2 DSI5 Main PA-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	16.46	16.57	16.55		
40	3/2 BPSK	1	53	16.57	16.58	16.57	17.5	0.0
40	3/2 BPSK	1	104	16.38	16.50	16.50		
40	3/2 BPSK	135	0	16.37	16.39	16.32	17.5	0.0
40	3/2 BPSK	50	28	16.53	16.60	16.56	17.5	0.0
40	3/2 BPSK	50	58	16.53	16.57	16.55		
40	3/2 BPSK	100	0	16.32	16.41	16.39	17.5	0.0
40	QPSK	1	1	16.56	16.65	16.59		
40	QPSK	1	53	16.64	16.59	16.60	17.5	0.0
40	QPSK	1	104	16.41	16.43	16.42		
40	QPSK	50	0	16.43	16.51	16.42	17.5	0.0
40	QPSK	50	28	16.57	16.59	16.54	17.5	0.0
40	QPSK	50	58	16.56	16.58	16.58		
40	QPSK	100	0	16.37	16.49	16.31	17.5	0.0
40	16QAM	1	1	16.24	16.29	16.29	17.5	0.0
40	64QAM	1	1	16.24	16.29	16.27	17.5	0.0
40	256QAM	1	1	16.21	16.24	16.24	17.5	0.0
Channel				517002	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	
30	QPSK	1	1	16.53	16.60	16.55	17.5	0.0
Channel				516004	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	
25	QPSK	1	1	16.54	16.57	16.58	17.5	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2580	2595	2610	limit	
20	QPSK	1	1	16.54	16.59	16.53	17.5	0.0
Channel				515002	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	
15	QPSK	1	1	16.56	16.55	16.48	17.5	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2575.02	2595	2614.96	limit	
10	QPSK	1	1	16.53	16.54	16.50	17.5	0.0

n41 Ant2 DSI5 Main PA-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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	16.47	16.59	16.46		
100	3/2 BPSK	1	137	16.51	16.56	16.44	17.5	0.0
100	3/2 BPSK	1	271	16.30	16.55	16.43		
100	3/2 BPSK	135	0	16.43	16.60	16.50	17.5	0.0
100	3/2 BPSK	135	69	16.47	16.53	16.54	17.5	0.0
100	3/2 BPSK	135	138	16.48	16.59	16.53		
100	3/2 BPSK	270	0	16.48	16.64	16.47	17.5	0.0
100	QPSK	1	1	16.49	16.68	16.54		
100	QPSK	1	137	16.46	16.59	16.47	17.5	0.0
100	QPSK	1	271	16.45	16.59	16.50		
100	QPSK	135	0	16.49	16.58	16.50	17.5	0.0
100	QPSK	135	69	16.45	16.60	16.46	17.5	0.0
100	QPSK	135	138	16.53	16.57	16.55	17.5	0.0
100	QPSK	270	0	16.52	16.59	16.50		
100	16QAM	1	1	16.52	16.59	16.53	17.5	0.0
100	64QAM	1	1	16.44	16.54	16.52	17.5	0.0
100	256QAM	1	1	16.49	16.58	16.54	17.5	0.0
Channel				508200	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	
90	QPSK	1	1	16.50	16.57	16.41	17.5	0.0
Channel				507204	518598	529998	Tune-up limit (dB)	MPR
Frequency (MHz)				2636.02	2592.99	2649.99	limit	
80	QPSK	1	1	16.55	16.51	16.40	17.5	0.0
Channel				506202	518598	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2635	limit	
70	QPSK	1	1	16.49	16.51	16.36	17.5	0.0
Channel				505200	518598	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2592.99	2629.98	limit	
60	QPSK	1	1	16.53	16.48	16.38	17.5	0.0
Channel				504204	518598	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2624.99	limit	
50	QPSK	1	1	16.55	16.49	16.45	17.5	0.0
Channel				503202	518598	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	
40	QPSK	1	1	16.56	16.48	16.37	17.5	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	
30	QPSK	1	1	16.48	16.51	16.47	17.5	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	
25	QPSK	1	1	16.54	16.51	16.37	0.0	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	
20	QPSK	1	1	16.54	16.47	16.38	17.5	0.0
Channel				500700	518598	536496	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.5	2592.99	2674.48	limit	
15	QPSK	1	1	16.54	16.56	16.43	17.5	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	
10	QPSK	1	1	16.51	16.47	16.37	17.5	0.0



n7 Ant5 DSI5 Main PA-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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	19.51	19.53	19.48		
40	3/2 BPSK	1	108	19.37	19.38	19.35	20.5	0.0
40	3/2 BPSK	1	214	19.48	19.53	19.37		
40	3/2 BPSK	108	0	19.35	19.39	19.47	20.5	0.0
40	3/2 BPSK	108	54	19.42	19.47	19.43	20.5	0.0
40	3/2 BPSK	108	108	19.29	19.36	19.22		
40	3/2 BPSK	216	0	19.35	19.39	19.40	20.5	0.0
40	QPSK	1	1	19.41	19.57	19.51		
40	QPSK	1	108	19.29	19.34	19.38	20.5	0.0
40	QPSK	1	214	19.50	19.53	19.53		
40	QPSK	108	0	19.31	19.37	19.34	20.5	0.0
40	QPSK	108	54	19.41	19.48	19.42	20.5	0.0
40	QPSK	108	108	19.28	19.32	19.23	20.5	0.0
40	QPSK	216	0	19.36	19.42	19.38		
40	16QAM	1	1	19.16	19.18	19.16	20.5	0.0
40	64QAM	1	1	18.28	18.26	18.26	19.5	1.0
40	256QAM	1	1	16.30	16.37	16.33	17.5	3.0
Channel				503000	507000	510500	Tune-up limit (dB)	MPR
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	19.42	19.46	19.53	20.5	0.0
Channel				503000	507000	511000	Tune-up limit (dB)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.43	19.43	19.50	20.5	0.0
Channel				502500	507000	511500	Tune-up limit (dB)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.38	19.41	19.43	20.5	0.0
Channel				502000	507000	512000	Tune-up limit (dB)	MPR
Frequency (MHz)				2510	2535	2560		
20	3/2 BPSK	1	1	19.35	19.45	19.45	20.5	0.0
Channel				501500	507000	512500	Tune-up limit (dB)	MPR
Frequency (MHz)				2507.5	2535	2572.5		
15	QPSK	1	1	19.40	19.40	19.42	20.5	0.0
Channel				501000	507000	513000	Tune-up limit (dB)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.41	19.38	19.49	20.5	0.0
Channel				500500	507000	513500	Tune-up limit (dB)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.40	19.43	19.54	20.5	0.0

n66 Ant5 DSI5 Main PA-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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	21.86	21.95	21.92		
40	3/2 BPSK	1	108	21.87	21.90	21.87	22.5	0.0
40	3/2 BPSK	1	214	21.82	21.98	21.91		
40	3/2 BPSK	108	0	21.36	21.46	21.47	22.0	0.5
40	3/2 BPSK	108	54	21.87	21.94	21.86	22.5	0.0
40	3/2 BPSK	108	108	21.39	21.52	21.44		
40	3/2 BPSK	216	0	21.38	21.48	21.47	22.0	0.5
40	QPSK	1	1	21.89	22.02	21.95		
40	QPSK	1	108	21.87	21.94	21.88	22.5	0.0
40	QPSK	1	214	21.87	21.95	21.89		
40	QPSK	108	0	20.86	20.98	20.97	21.5	1.0
40	QPSK	108	54	21.83	21.96	21.92	22.5	0.0
40	QPSK	108	108	20.92	20.99	20.93	21.5	1.0
40	QPSK	216	0	20.92	21.01	20.97		
40	16QAM	1	1	20.85	20.96	21.00	21.5	1.0
40	64QAM	1	1	19.41	19.54	19.40	20.0	2.5
40	256QAM	1	1	17.42	17.51	17.41	18.0	4.5
Channel				345000	349000	352500	Tune-up limit (dB)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.82	21.96	21.89	0.0	0.0
Channel				345000	349000	353000	Tune-up limit (dB)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.82	22.00	21.90	22.5	0.0
Channel				344500	349000	353500	Tune-up limit (dB)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.89	21.99	21.87	22.5	0.0
Channel				344000	349000	354000	Tune-up limit (dB)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.91	22.01	21.94	22.5	0.0
Channel				343500	349000	354500	Tune-up limit (dB)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.84	21.95	21.89	22.5	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.89	21.97	21.86	22.5	0.0
Channel				342500	349000	355500	Tune-up limit (dB)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.81	21.95	21.92	22.5	0.0

n38 Ant5 DSI5 Main PA-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)				518004	519000	519996		
40	1/2 BPSK	1	1	19.27	19.38	19.31		
40	3/2 BPSK	1	53	19.35	19.44	19.32	20.5	0.0
40	3/2 BPSK	1	104	19.44	19.46	19.46		
40	3/2 BPSK	50	0	19.42	19.40	19.38	20.5	0.0
40	3/2 BPSK	50	28	19.29	19.30	19.27	20.5	0.0
40	3/2 BPSK	50	56	19.34	19.38	19.32		
40	3/2 BPSK	100	0	19.29	19.39	19.30	20.5	0.0
40	QPSK	1	1	19.46	19.47	19.44		
40	QPSK	1	53	19.11	19.18	19.12	20.5	0.0
40	QPSK	1	104	19.04	19.07	18.96		
40	QPSK	50	0	19.14	19.22	19.22	20.5	0.0
40	QPSK	50	28	19.35	19.36	19.30	20.5	0.0
40	QPSK	50	56	19.07	19.04	19.11		
40	QPSK	100	0	19.24	19.34	19.29		
40	16QAM	1	1	19.30	19.21	19.17	20.5	0.0
40	64QAM	1	1	18.31	18.29	18.21	19.5	1.0
40	256QAM	1	1	16.30	16.28	16.20	17.5	3.0
Channel								
Frequency (MHz)				517002	519000	520998	Tune-up limit (dB)	MPR
30	QPSK	1	1	19.41	19.46	19.42	20.5	0.0
Channel								
Frequency (MHz)				2582.52	2595	2607.48	limit (dB)	
25	QPSK	1	1	19.42	19.41	19.42	20.5	0.0
Channel								
Frequency (MHz)				516000	519000	522000	Tune-up limit (dB)	MPR
20	QPSK	1	1	19.43	19.39	19.45	20.5	0.0
Channel								
Frequency (MHz)				515902	519000	522498	Tune-up limit (dB)	MPR
15	QPSK	1	1	2577.51	2595	2612.49	limit (dB)	
Channel								
Frequency (MHz)				515004	519000	522996	Tune-up limit (dB)	MPR
10	QPSK	1	1	19.37	19.43	19.43	20.5	0.0

n41 Ant5 DSI5 Main PA-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)				509202	518598	528000		
100	1/2 BPSK	1	1	19.47	19.41	19.46		
100	3/2 BPSK	1	137	19.26	19.44	19.48	20.5	0.0
100	3/2 BPSK	1	271	19.36	19.39	19.34		
100	3/2 BPSK	135	0	19.41	19.48	19.38	20.5	0.0
100	3/2 BPSK	135	69	19.39	19.48	19.47	20.5	0.0
100	3/2 BPSK	135	138	19.36	19.44	19.38		
100	3/2 BPSK	270	0	19.39	19.48	19.42	20.5	0.0
100	QPSK	1	1	19.45	19.51	19.44		
100	QPSK	1	137	19.43	19.41	19.42	20.5	0.0
100	QPSK	1	271	19.37	19.41	19.33		
100	QPSK	135	0	19.43	19.45	19.34	20.5	0.0
100	QPSK	135	69	19.42	19.49	19.40	20.5	0.0
100	QPSK	135	138	19.42	19.44	19.46	20.5	0.0
100	QPSK	270	0	19.45	19.49	19.48		
100	16QAM	1	1	19.48	19.48	19.36	20.5	0.0
100	64QAM	1	1	18.42	18.52	18.48	19.5	1.0
100	256QAM	1	1	16.42	16.52	16.41	17.5	3.0
Channel								
Frequency (MHz)				508200	518598	528996	Tune-up limit (dB)	MPR
90	QPSK	1	1	19.34	19.48	19.49	20.5	0.0
Channel								
Frequency (MHz)				2636.02	2692.99	2649.99	limit (dB)	
80	QPSK	1	1	19.36	19.48	19.41	20.5	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dB)	MPR
70	QPSK	1	1	19.39	19.42	19.47	20.5	0.0
Channel								
Frequency (MHz)				505200	518598	531996	Tune-up limit (dB)	MPR
60	QPSK	1	1	2526	2592.99	2659.98	limit (dB)	
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dB)	MPR
50	QPSK	1	1	19.37	19.49	19.41	20.5	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dB)	MPR
40	QPSK	1	1	2516.01	2592.99	2670	limit (dB)	
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dB)	MPR
30	QPSK	1	1	19.34	19.45	19.44	20.5	0.0
Channel								
Frequency (MHz)				502200	518598	534996	Tune-up limit (dB)	MPR
25	QPSK	1	1	19.44	19.47	19.42	20.0	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dB)	MPR
20	QPSK	1	1	2506.02	2592.99	2679.99	limit (dB)	
Channel								
Frequency (MHz)				500700	518598	536498	Tune-up limit (dB)	MPR
15	QPSK	1	1	19.39	19.41	19.40	20.5	0.0
Channel								
Frequency (MHz)				500202	518598	537000	Tune-up limit (dB)	MPR
10	QPSK	1	1	2501.01	2592.99	2685	limit (dB)	
Channel								
Frequency (MHz)				500202	518598	537000	Tune-up limit (dB)	MPR
10	QPSK	1	1	19.35	19.47	19.48	20.5	0.0



Full&Default Power SA Mode

n5 Ant0 Default Main PA									
BW [MHz]	Modulation	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	24.39	24.42	24.37			
20	1/2 BPSK	1	53	24.25	24.28	24.13	25.5	0.0	
20	1/2 BPSK	1	104	24.02	24.19	24.03			
20	1/2 BPSK	50	0	23.67	23.77	23.66	25.0	0.5	
20	1/2 BPSK	50	28	23.98	24.14	23.97	25.5	0.0	
20	1/2 BPSK	50	56	23.52	23.65	23.58	25.0	0.5	
20	1/2 BPSK	100	0	23.67	23.83	23.88			
20	QPSK	1	1	24.43	24.45	24.41			
20	QPSK	1	53	24.30	24.33	24.29	25.5	0.0	
20	QPSK	1	104	24.16	24.27	24.14			
20	QPSK	50	0	23.10	23.22	23.08	24.5	1.0	
20	QPSK	50	28	24.26	24.37	24.25	25.5	0.0	
20	QPSK	50	56	23.07	23.14	22.99	24.5	1.0	
20	QPSK	100	0	23.37	23.39	23.23			
20	16QAM	1	1	23.30	23.36	23.30	24.5	1.0	
20	64QAM	1	1	21.76	21.87	21.78	23.0	2.5	
20	256QAM	1	1	19.58	19.75	19.66	21.0	4.5	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.33	24.39	24.23	25.5	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.30	24.29	24.24	25.5	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				828.5	836.5	846.5			
5	QPSK	1	1	24.31	24.28	24.34	25.5	0.0	



n5 Ant1 Default Main PA

BW [MHz]	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	24.39	24.41	24.25		
20	1/2 BPSK	1	53	24.19	24.30	24.19	25.5	0.0
20	1/2 BPSK	1	104	24.06	24.17	24.01		
20	1/2 BPSK	50	0	23.60	23.75	23.70	25.0	0.5
20	1/2 BPSK	50	28	24.23	24.27	24.22	25.5	0.0
20	1/2 BPSK	50	56	23.51	23.58	23.56	25.0	0.5
20	1/2 BPSK	100	0	23.80	23.83	23.88		
20	QPSK	1	1	24.40	24.43	24.38		
20	QPSK	1	53	24.15	24.22	24.16	25.5	0.0
20	QPSK	1	104	24.05	24.16	24.00		
20	QPSK	50	0	23.14	23.21	23.08	24.5	1.0
20	QPSK	50	28	24.25	24.37	24.26	25.5	0.0
20	QPSK	50	56	23.05	23.11	22.99	24.5	1.0
20	QPSK	100	0	23.37	23.45	23.29		
20	16QAM	1	1	23.24	23.40	23.37	24.5	1.0
20	64QAM	1	1	21.71	21.82	21.73	23.0	2.5
20	256QAM	1	1	19.67	19.73	19.65	21.0	4.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	24.38	24.38	24.25	25.5	0.0
Channel				165800	167300	168800	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit	(dB)
10	QPSK	1	1	24.25	24.27	24.25	25.5	0.0
Channel				163300	167300	169300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	24.33	24.37	24.25	25.5	0.0



n48 Part96 Ant1 Default Main PA								
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				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	1/2 BPSK	1	1	23.42	23.45	23.27		
40	1/2 BPSK	1	53	23.30	23.41	23.24	24.5	0.0
40	1/2 BPSK	1	104	23.40	23.48	23.44		
40	1/2 BPSK	50	0	22.94	23.02	22.95	24.0	0.5
40	1/2 BPSK	50	28	23.36	23.47	23.35	24.5	0.0
40	1/2 BPSK	50	58	22.94	22.99	22.89	24.0	0.5
40	1/2 BPSK	100	0	22.78	22.94	22.86		
40	QPSK	1	1	23.42	23.49	23.47		
40	QPSK	1	53	23.30	23.36	23.26	24.5	0.0
40	QPSK	1	104	23.38	23.45	23.30		
40	QPSK	50	0	22.28	22.42	22.32	23.5	1.0
40	QPSK	50	28	23.29	23.47	23.35	24.5	0.0
40	QPSK	50	58	22.28	22.45	22.33		
40	QPSK	100	0	22.44	22.46	22.30	23.5	1.0
40	16QAM	1	1	22.16	22.34	22.29	23.5	1.0
40	16QAM	1	1	20.82	20.84	20.70	22.0	2.5
40	256QAM	1	1	18.99	19.02	18.88	20.0	4.5
Channel				637688	641666	645666	Tune-up	MPR
Frequency (MHz)				3585.02	3624.99	3684.99	limit	(dB)
30	QPSK	1	1	23.39	23.32	23.39	24.5	0.0
Channel				637334	641666	648000	Tune-up	MPR
Frequency (MHz)				3590.01	3624.99	3690	limit	(dB)
20	QPSK	1	1	23.33	23.41	23.36	24.5	0.0
Channel				637168	641666	646166	Tune-up	MPR
Frequency (MHz)				3557.52	3624.99	3692.49	limit	(dB)
15	QPSK	1	1	23.29	23.40	23.45	24.5	0.0
Channel				637000	641666	648332	Tune-up	MPR
Frequency (MHz)				3555	3624.99	3694.98	limit	(dB)
10	QPSK	1	1	23.33	23.31	23.35	24.5	0.0

Part270 n77 Ant1 Default Main PA								
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	23.70	23.96	23.94		
100	1/2 BPSK	1	137	23.74	23.98	23.91	24.5	0.0
100	1/2 BPSK	1	271	23.84	24.01	24.00		
100	1/2 BPSK	135	0	23.86	24.04	24.01	24.5	0.0
100	1/2 BPSK	135	69	23.94	24.03	24.02	24.5	0.0
100	1/2 BPSK	135	138	23.81	24.02	24.03	24.5	0.0
100	1/2 BPSK	270	0	23.89	23.99	23.92		
100	QPSK	1	1	23.87	24.06	24.03		
100	QPSK	1	137	23.76	23.99	23.92	24.5	0.0
100	QPSK	1	271	23.75	24.05	24.01		
100	QPSK	135	0	23.82	24.02	23.98	24.5	0.0
100	QPSK	135	69	23.73	24.03	23.98	24.5	0.0
100	QPSK	135	138	23.87	24.02	23.98	24.5	0.0
100	QPSK	270	0	23.87	24.01	23.96		
100	16QAM	1	1	23.68	23.88	23.81	24.5	0.0
100	16QAM	1	1	23.17	23.37	23.34	24.0	0.5
100	256QAM	1	1	21.15	21.31	21.20	22.0	2.5
Channel				649688	656000	662334	Tune-up	MPR
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	23.81	23.90	23.86	24.5	0.0
Channel				649334	656000	662688	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	23.71	23.92	24.00	24.5	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit	(dB)
70	QPSK	1	1	23.72	23.98	23.94	24.5	0.0
Channel				648688	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	23.73	23.99	23.97	24.5	0.0
Channel				648334	656000	663688	Tune-up	MPR
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	23.83	23.97	23.99	24.5	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3960	limit	(dB)
40	QPSK	1	1	23.80	23.88	23.87	24.5	0.0
Channel				647688	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	23.75	23.98	23.99	24.5	0.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	23.70	23.96	23.93	24.5	0.0
Channel				647334	656000	664688	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	23.82	24.01	23.91	24.5	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	23.83	23.97	23.94	24.5	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
10	QPSK	1	1	23.75	24.01	23.97	24.5	0.0

Part270 n77 PC2 Ant1 Default Main PA								
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	25.77	25.93	25.83		
100	1/2 BPSK	1	137	25.91	26.05	26.00	26.5	0.0
100	1/2 BPSK	1	271	25.75	25.93	25.95		
100	1/2 BPSK	135	0	25.43	25.55	25.43	26.0	0.5
100	1/2 BPSK	135	69	25.87	26.04	25.87	26.5	0.0
100	1/2 BPSK	135	138	25.44	25.55	25.45	26.0	0.5
100	1/2 BPSK	270	0	25.43	25.53	25.55		
100	QPSK	1	1	25.89	26.06	26.04		
100	QPSK	1	137	25.88	26.01	26.00	26.5	0.0
100	QPSK	1	271	25.85	25.98	25.95		
100	QPSK	135	0	24.91	24.98	25.01	25.5	1.0
100	QPSK	135	69	25.81	26.02	26.00	26.5	0.0
100	QPSK	135	138	24.95	25.11	25.05		
100	QPSK	270	0	25.03	25.11	25.09	25.5	1.0
100	16QAM	1	1	24.76	24.87	24.76	25.5	1.0
100	16QAM	1	1	22.46	22.64	22.64	24.0	2.5
100	256QAM	1	1	20.55	20.63	20.62	22.0	4.5
Channel				649688	656000	662334	Tune-up	MPR
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	25.84	25.90	26.02	26.5	0.0
Channel				649334	656000	662688	Tune-up	MPR
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	25.84	25.94	25.92	26.5	0.0
Channel				649000	656000	663000	Tune-up	MPR
Frequency (MHz)				3735	3840	3945	limit	(dB)
70	QPSK	1	1	25.72	26.02	25.97	26.5	0.0
Channel				648688	656000	663334	Tune-up	MPR
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	25.81	25.99	26.01	26.5	0.0
Channel				648334	656000	663688	Tune-up	MPR
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	23.75	23.95	23.98	24.5	0.0
Channel				648000	656000	664000	Tune-up	MPR
Frequency (MHz)				3720	3840	3960	limit	(dB)
40	QPSK	1	1	25.79	26.02	25.91	26.5	0.0
Channel				647688	656000	664334	Tune-up	MPR
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	25.77	25.93	25.98	26.5	0.0
Channel				647500	656000	664500	Tune-up	MPR
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	25.77	25.92	25.95	26.5	0.0
Channel				647334	656000	664688	Tune-up	MPR
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	25.85	25.91	26.00	26.5	0.0
Channel				647168	656000	664834	Tune-up	MPR
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	23.89	25.02	25.94	26.5	0.0
Channel				647000	656000	665000	Tune-up	MPR
Frequency (MHz)				3705	3840	3975	limit	(dB)
10	QPSK	1	1	25.78	25.92	25.99	26.5	0.0



Part27Q n77 Ant1 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
633334								
Frequency (MHz)								
100	1/2 BPSK	1	1	3500.01	3500.01	3500.01		
100	1/2 BPSK	1	137	23.85	23.85	23.85	24.5	0.0
100	1/2 BPSK	1	271	23.85	23.85	23.85	24.5	0.0
100	1/2 BPSK	135	0	24.01	24.01	24.01	24.5	0.0
100	1/2 BPSK	135	69	23.90	23.90	23.90	24.5	0.0
100	1/2 BPSK	135	138	23.89	23.89	23.89	24.5	0.0
100	1/2 BPSK	270	0	23.92	23.92	23.92	24.5	0.0
100	QPSK	1	1	24.03	24.03	24.03		
100	QPSK	1	137	23.85	23.85	23.85	24.5	0.0
100	QPSK	1	271	23.96	23.96	23.96	24.5	0.0
100	QPSK	135	0	23.87	23.87	23.87	24.5	0.0
100	QPSK	135	69	23.97	23.97	23.97	24.5	0.0
100	QPSK	135	138	23.87	23.87	23.87	24.5	0.0
100	QPSK	270	0	23.95	23.95	23.95	24.5	0.0
100	16QAM	1	1	23.80	23.80	23.80	24.5	0.0
100	16QAM	1	1	23.31	23.31	23.31	24.0	0.5
100	256QAM	1	1	21.14	21.14	21.14	22.0	2.5
633000 633334 633688								
Channel 3495 3500.01 3505.02 limit (dB)								
90	QPSK	1	1	23.87	23.96	23.96	24.5	0.0
Channel 632688 633334 634000								
Frequency (MHz) 3490.02 3500.01 3510 limit (dB)								
80	QPSK	1	1	23.84	23.97	23.96	24.5	0.0
Channel 632334 633334 634334								
Frequency (MHz) 3485.01 3500.01 3515.01 limit (dB)								
70	QPSK	1	1	23.83	24.00	23.85	24.5	0.0
Channel 632000 633334 634688								
Frequency (MHz) 3480 3500.01 3520.02 limit (dB)								
60	QPSK	1	1	23.94	23.93	24.00	24.5	0.0
Channel 631688 633334 635000								
Frequency (MHz) 3475.02 3500.01 3525 limit (dB)								
50	QPSK	1	1	23.93	23.89	23.50	24.5	0.0
Channel 631334 633334 635334								
Frequency (MHz) 3470.01 3500.01 3530.01 limit (dB)								
40	QPSK	1	1	23.90	24.00	23.96	24.5	0.0
Channel 631000 633334 635688								
Frequency (MHz) 3465 3500.01 3535.02 limit (dB)								
30	QPSK	1	1	23.90	23.98	23.95	24.5	0.0
Channel 630834 633334 635834								
Frequency (MHz) 3462.51 3500.01 3537.51 limit (dB)								
25	QPSK	1	1	23.82	23.94	23.81	24.5	0.0
Channel 630688 633334 636000								
Frequency (MHz) 3460.02 3500.01 3540 limit (dB)								
20	QPSK	1	1	23.79	23.93	23.94	24.5	0.0
Channel 630500 633334 636168								
Frequency (MHz) 3457.5 3500.01 3542.52 limit (dB)								
15	QPSK	1	1	23.81	23.99	23.93	24.5	0.0
Channel 630334 633334 636334								
Frequency (MHz) 3455.01 3500.01 3545.01 limit (dB)								
10	QPSK	1	1	23.94	24.02	23.96	24.5	0.0

Part27Q n77 PC2 Ant1 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
633334								
Frequency (MHz)								
100	1/2 BPSK	1	1	25.77	25.77	25.77		
100	1/2 BPSK	1	137	25.92	25.92	25.92	26.5	0.0
100	1/2 BPSK	1	271	25.91	25.91	25.91	26.5	0.0
100	1/2 BPSK	135	0	25.41	25.41	25.41	26.0	0.5
100	1/2 BPSK	135	69	25.89	25.89	25.89	26.5	0.0
100	1/2 BPSK	135	138	25.45	25.45	25.45	26.0	0.5
100	1/2 BPSK	270	0	25.45	25.45	25.45	26.0	0.5
100	QPSK	1	1	25.95	25.95	25.95		
100	QPSK	1	137	25.94	25.94	25.94	26.5	0.0
100	QPSK	1	271	25.84	25.84	25.84	26.5	0.0
100	QPSK	135	0	24.89	24.89	24.89	25.5	1.0
100	QPSK	135	69	25.92	25.92	25.92	26.5	0.0
100	QPSK	135	138	24.96	24.96	24.96	25.5	1.0
100	QPSK	270	0	24.94	24.94	24.94	25.5	1.0
100	16QAM	1	1	24.73	24.73	24.73	25.5	1.0
100	16QAM	1	1	22.61	22.61	22.61	24.0	2.5
100	256QAM	1	1	20.92	20.92	20.92	22.0	4.5
633000 633334 633688								
Channel 3495 3500.01 3505.02 limit (dB)								
90	QPSK	1	1	25.85	25.83	25.89	26.5	0.0
Channel 632688 633334 634000								
Frequency (MHz) 3490.02 3500.01 3510 limit (dB)								
80	QPSK	1	1	25.85	25.84	25.83	26.5	0.0
Channel 632334 633334 634334								
Frequency (MHz) 3485.01 3500.01 3515.01 limit (dB)								
70	QPSK	1	1	25.70	25.92	25.89	26.5	0.0
Channel 632000 633334 634688								
Frequency (MHz) 3480 3500.01 3520.02 limit (dB)								
60	QPSK	1	1	25.78	25.92	25.80	26.5	0.0
Channel 631688 633334 635000								
Frequency (MHz) 3475.02 3500.01 3525 limit (dB)								
50	QPSK	1	1	25.82	25.91	25.91	26.5	0.0
Channel 631334 633334 635334								
Frequency (MHz) 3470.01 3500.01 3530.01 limit (dB)								
40	QPSK	1	1	25.85	25.90	25.81	26.5	0.0
Channel 631000 633334 635688								
Frequency (MHz) 3465 3500.01 3535.02 limit (dB)								
30	QPSK	1	1	25.84	25.79	25.90	26.5	0.0
Channel 630834 633334 635834								
Frequency (MHz) 3462.51 3500.01 3537.51 limit (dB)								
25	QPSK	1	1	25.70	25.84	25.83	26.5	0.0
Channel 630688 633334 636000								
Frequency (MHz) 3460.02 3500.01 3540 limit (dB)								
20	QPSK	1	1	25.76	25.92	25.79	26.5	0.0
Channel 630500 633334 636168								
Frequency (MHz) 3457.5 3500.01 3542.52 limit (dB)								
15	QPSK	1	1	25.85	25.91	25.89	26.5	0.0
Channel 630334 633334 636334								
Frequency (MHz) 3455.01 3500.01 3545.01 limit (dB)								
10	QPSK	1	1	25.74	25.89	25.88	26.5	0.0

Part270 n78 Ant1 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
650000								
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137	23.48	23.48	23.48	24.5	0.0
100	1/2 BPSK	1	271	23.54	23.54	23.54	24.5	0.0
100	1/2 BPSK	135	0	23.67	23.67	23.67	24.5	0.0
100	1/2 BPSK	135	69	23.58	23.58	23.58	24.5	0.0
100	1/2 BPSK	135	138	23.63	23.63	23.63	24.5	0.0
100	1/2 BPSK	270	0	23.56	23.56	23.56	24.5	0.0
100	QPSK	1	1	23.74	23.74	23.74		
100	QPSK	1	137	23.60	23.60	23.60	24.5	0.0
100	QPSK	1	271	23.58	23.58	23.58	24.5	0.0
100	QPSK	135	0	23.51	23.51	23.51	24.5	0.0
100	QPSK	135	69	23.69	23.69	23.69	24.5	0.0
100	QPSK	135	138	23.57	23.57	23.57	24.5	0.0
100	QPSK	270	0	23.65	23.65	23.65	24.5	0.0
100	16QAM	1	1	23.45	23.45	23.45	24.5	0.0
100	16QAM	1	1	22.93	22.93	22.93	24.0	0.5
100	256QAM	1	1	20.81	20.81	20.81	22.0	2.5
649688 650000 650334								
Channel 3745.02 3750 3755.01 limit (dB)								
90	QPSK	1	1	23.68	23.66	23.60	24.5	0.0
Channel 649334 650000 650688								
Frequency (MHz) 3740.01 3750 3760.02 limit (dB)								
80	QPSK	1	1	23.64	23.63	23.63	24.5	0.0
Channel 649000 650000 651000								
Frequency (MHz) 3735 3750 3765 limit (dB)								
70	QPSK	1	1	23.73	23.63	23.59	24.5	0.0
Channel 648688 650000 651334								
Frequency (MHz) 3730.02 3750 3770.01 limit (dB)								
60	QPSK	1	1	23.59	23.62	23.71	24.5	0.0
Channel 648334 650000 651688								
Frequency (MHz) 3725.01 3750 3775.02 limit (dB)								
50	QPSK	1	1	23.69	23.64	23.69	24.5	0.0
Channel 648000 650000 652000								
Frequency (MHz) 3720 3750 3780 limit (dB)								
40	QPSK	1	1	23.72	23.60	23.63	24.5	0.0
Channel 647688 650000 652334								
Frequency (MHz) 3715.02 3750 3785.01 limit (dB)								
30	QPSK	1	1	23.59	23.65	23.62	24.5	0.0
Channel 647500 650000 652600								
Frequency (MHz) 3712.5 3750 3787.5 limit (dB)								
25	QPSK	1	1	23.67	23.66	23.74	24.5	0.0
Channel 647334 650000 652888								
Frequency (MHz) 3710.01 3750 3790.02 limit (dB)								
20	QPSK	1	1	23.61	23.63	23.70	24.5	0.0
Channel 647168 650000 653168								
Frequency (MHz) 3707.52 3750 3792.51 limit (dB)								
15	QPSK	1	1	23.64	23.59	23.69	24.5	0.0
Channel 647000 650000 653500								
Frequency (MHz) 3705 3750 3795 limit (dB)								
10	QPSK	1	1	23.70	23.64	23.61	24.5	0.0

Part270 n78 PC2 Ant1 Default Main PA

BW [MHz]	Modulatio	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
				650000	3750			
				Frequency (MHz)				
100	1/2 BPSK	1	1	25.52				
100	1/2 BPSK	1	137	25.72			26.5	0.0
100	1/2 BPSK	1	271	25.68				
100	1/2 BPSK	135	0	25.19			26.0	0.5
100	1/2 BPSK	135	69	25.74			26.5	0.0
100	1/2 BPSK	135	138	25.27			26.0	0.5
100	1/2 BPSK	270	0	25.22				
100	QPSK	1	1	25.75			26.5	0.0
100	QPSK	1	137	25.71				
100	QPSK	1	271	25.72				
100	QPSK	135	0	24.76			25.5	1.0
100	QPSK	135	69	25.72			26.5	0.0
100	QPSK	135	138	24.84			25.5	1.0
100	QPSK	270	0	24.75				
100	16QAM	1	1	24.54			25.5	1.0
100	16QAM	1	1	22.38			24.0	2.5
100	256QAM	1	1	20.39			22.0	4.5
				649668	650000	650334	Tune-up limit (dB)	MPR
				Frequency (MHz)				
90	QPSK	1	1	25.67	25.69	25.64	26.5	0.0
				649334	650000	650668	Tune-up limit (dB)	MPR
				Frequency (MHz)				
80	QPSK	1	1	25.62	25.72	25.59	26.5	0.0
				649000	650000	651000	Tune-up limit (dB)	MPR
				Frequency (MHz)				
70	QPSK	1	1	25.69	25.68	25.63	26.5	0.0
				648668	650000	651334	Tune-up limit (dB)	MPR
				Frequency (MHz)				
60	QPSK	1	1	25.65	25.66	25.55	26.5	0.0
				648334	650000	651668	Tune-up limit (dB)	MPR
				Frequency (MHz)				
50	QPSK	1	1	25.60	25.69	25.55	26.5	0.0
				648000	650000	652000	Tune-up limit (dB)	MPR
				Frequency (MHz)				
40	QPSK	1	1	25.74	25.72	25.67	26.5	0.0
				647668	650000	652334	Tune-up limit (dB)	MPR
				Frequency (MHz)				
30	QPSK	1	1	25.63	25.60	25.59	26.5	0.0
				647500	650000	652500	Tune-up limit (dB)	MPR
				Frequency (MHz)				
25	QPSK	1	1	25.70	25.63	25.59	26.5	0.0
				647334	650000	652668	Tune-up limit (dB)	MPR
				Frequency (MHz)				
20	QPSK	1	1	25.74	25.67	25.65	26.5	0.0
				647168	650000	652834	Tune-up limit (dB)	MPR
				Frequency (MHz)				
15	QPSK	1	1	25.63	25.74	25.63	26.5	0.0
				647000	650000	653000	Tune-up limit (dB)	MPR
				Frequency (MHz)				
10	QPSK	1	1	25.66	25.69	25.58	26.5	0.0

Part27Q n78 Ant1 PA Default Main PA

BW [MHz]	Modulatio	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
				633334	3500.01			
				Frequency (MHz)				
100	1/2 BPSK	1	1	23.54				
100	1/2 BPSK	1	137	23.69			24.5	0.0
100	1/2 BPSK	1	271	23.68				
100	1/2 BPSK	135	0	23.85			24.5	0.0
100	1/2 BPSK	135	69	23.67			24.5	0.0
100	1/2 BPSK	135	138	23.76			24.5	0.0
100	1/2 BPSK	270	0	23.66				
100	QPSK	1	1	23.87			24.5	0.0
100	QPSK	1	137	23.78				
100	QPSK	1	271	23.62				
100	QPSK	135	0	23.65			24.5	0.0
100	QPSK	135	69	23.83			24.5	0.0
100	QPSK	135	138	23.61			24.5	0.0
100	QPSK	270	0	23.77				
100	16QAM	1	1	23.49			24.5	0.0
100	16QAM	1	1	22.99			24.0	0.5
100	256QAM	1	1	20.97			22.0	2.5
				633000	633334	633668	Tune-up limit (dB)	MPR
				Frequency (MHz)				
90	QPSK	1	1	23.72	23.70	23.65	24.5	0.0
				632668	633334	634000	Tune-up limit (dB)	MPR
				Frequency (MHz)				
80	QPSK	1	1	23.75	23.84	23.72	24.5	0.0
				632334	633334	634334	Tune-up limit (dB)	MPR
				Frequency (MHz)				
70	QPSK	1	1	23.71	23.73	23.70	24.5	0.0
				632000	633334	634668	Tune-up limit (dB)	MPR
				Frequency (MHz)				
60	QPSK	1	1	23.82	3500.01	3520.02	limit (dB)	
				631668	633334	635000	Tune-up limit (dB)	MPR
				Frequency (MHz)				
50	QPSK	1	1	23.81	23.81	23.67	24.5	0.0
				631334	633334	635334	Tune-up limit (dB)	MPR
				Frequency (MHz)				
40	QPSK	1	1	23.74	23.82	23.74	24.5	0.0
				631000	633334	635668	Tune-up limit (dB)	MPR
				Frequency (MHz)				
30	QPSK	1	1	23.71	23.69	23.70	24.5	0.0
				630834	633334	635834	Tune-up limit (dB)	MPR
				Frequency (MHz)				
25	QPSK	1	1	23.71	23.79	23.69	24.5	0.0
				630668	633334	636000	Tune-up limit (dB)	MPR
				Frequency (MHz)				
20	QPSK	1	1	23.82	23.73	23.84	24.5	0.0
				630500	633334	636168	Tune-up limit (dB)	MPR
				Frequency (MHz)				
15	QPSK	1	1	23.83	23.79	23.72	24.5	0.0
				630334	633334	636334	Tune-up limit (dB)	MPR
				Frequency (MHz)				
10	QPSK	1	1	23.84	23.83	23.77	24.5	0.0

Part27Q n78 PC2 Ant1 Default Main PA

BW [MHz]	Modulatio	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
				633334	3500.01			
				Frequency (MHz)				
100	1/2 BPSK	1	1	25.67				
100	1/2 BPSK	1	137	25.77			26.5	0.0
100	1/2 BPSK	1	271	25.72				
100	1/2 BPSK	135	0	25.25			26.0	0.5
100	1/2 BPSK	135	69	25.81			26.5	0.0
100	1/2 BPSK	135	138	25.37			26.0	0.5
100	1/2 BPSK	270	0	25.35				
100	QPSK	1	1	25.85			26.5	0.0
100	QPSK	1	137	25.83				
100	QPSK	1	271	25.82				
100	QPSK	135	0	24.86			25.5	1.0
100	QPSK	135	69	25.79			26.5	0.0
100	QPSK	135	138	24.98			25.5	1.0
100	QPSK	270	0	24.83				
100	16QAM	1	1	24.68			25.5	1.0
100	16QAM	1	1	22.55			24.0	2.5
100	256QAM	1	1	20.54			22.0	4.5
				633000	633334	633668	Tune-up limit (dB)	MPR
				Frequency (MHz)				
90	QPSK	1	1	25.72	25.81	25.71	26.5	0.0
				632668	633334	634000	Tune-up limit (dB)	MPR
				Frequency (MHz)				
80	QPSK	1	1	25.71	25.74	25.71	26.5	0.0
				632334	633334	634334	Tune-up limit (dB)	MPR
				Frequency (MHz)				
70	QPSK	1	1	25.69	25.76	25.67	26.5	0.0
				632000	633334	634668	Tune-up limit (dB)	MPR
				Frequency (MHz)				
60	QPSK	1	1	25.81	25.82	25.77	26.5	0.0
				631668	633334	635000	Tune-up limit (dB)	MPR
				Frequency (MHz)				
50	QPSK	1	1	23.72	25.83	25.78	26.5	0.0
				631334	633334	635334	Tune-up limit (dB)	MPR
				Frequency (MHz)				
40	QPSK	1	1	25.75	25.78	25.78	26.5	0.0
				631000	633334	635668	Tune-up limit (dB)	MPR
				Frequency (MHz)				
30	QPSK	1	1	25.82	25.83	25.73	26.5	0.0
				630834	633334	635834	Tune-up limit (dB)	MPR
				Frequency (MHz)				
25	QPSK	1	1	25.69	25.81	25.68	26.5	0.0
				630668	633334	636000	Tune-up limit (dB)	MPR
				Frequency (MHz)				
20	QPSK	1	1	25.81	25.72	25.71	26.5	0.0
				630500	633334	636168	Tune-up limit (dB)	MPR
				Frequency (MHz)				
15	QPSK	1	1	25.79	25.74	25.67	26.5	0.0
				630334	633334	636334	Tune-up limit (dB)	MPR
				Frequency (MHz)				
10	QPSK	1	1	25.73	25.73	25.80	26.5	0.0

n2 Ant2 Default Main PA

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								
Frequency (MHz)				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	1/2 BPSK	1	1	24.38	24.41	24.25		
40	1/2 BPSK	1	108	24.22	24.32	24.16	25.5	0.0
40	1/2 BPSK	1	214	24.38	24.52	24.39		
40	1/2 BPSK	108	0	23.59	23.74	23.69	25.0	0.5
40	1/2 BPSK	108	54	24.29	24.36	24.22	25.5	0.0
40	1/2 BPSK	108	108	23.75	23.82	23.83		
40	1/2 BPSK	216	0	23.31	23.38	23.31	25.0	0.5
40	QPSK	1	1	24.30	24.53	24.48		
40	QPSK	1	108	24.18	24.29	24.19	25.5	0.0
40	QPSK	1	214	24.48	24.51	24.34		
40	QPSK	108	0	23.19	23.26	23.09	24.5	1.0
40	QPSK	108	54	24.40	24.46	24.41	25.5	0.0
40	QPSK	108	108	23.27	23.36	23.28		
40	QPSK	216	0	23.23	23.41	23.38	24.5	1.0
40	16QAM	1	1	23.06	23.13	22.98	24.5	1.0
40	64QAM	1	1	21.48	21.63	21.55	23.0	2.5
40	256QAM	1	1	19.84	19.71	19.61	21.0	4.5
Channel								
Frequency (MHz)				373500	376000	378500	Tune-up	MPR
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)
35	QPSK	1	1	24.26	24.35	24.42	0.0	0.0
Channel								
Frequency (MHz)				373000	376000	379000	Tune-up	MPR
Frequency (MHz)				1865	1880	1895	limit	(dB)
30	QPSK	1	1	24.25	24.42	24.41	25.5	0.0
Channel								
Frequency (MHz)				372500	376000	379500	Tune-up	MPR
Frequency (MHz)				1862.5	1880	1897.5	limit	(dB)
25	QPSK	1	1	24.35	24.45	24.41	0.0	0.0
Channel								
Frequency (MHz)				372000	376000	380000	Tune-up	MPR
Frequency (MHz)				1860	1880	1900	limit	(dB)
20	QPSK	1	1	24.31	24.39	24.40	0.0	0.0
Channel								
Frequency (MHz)				371500	376000	380500	Tune-up	MPR
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)
15	QPSK	1	1	24.33	24.49	24.44	25.5	0.0
Channel								
Frequency (MHz)				371000	376000	381000	Tune-up	MPR
Frequency (MHz)				1855	1880	1905	limit	(dB)
10	QPSK	1	1	24.34	24.40	24.34	25.5	0.0
Channel								
Frequency (MHz)				370500	376000	381500	Tune-up	MPR
Frequency (MHz)				1852.5	1880	1907.5	limit	(dB)
5	QPSK	1	1	24.28	24.38	24.41	25.5	0.0

n7 Ant2 Default Main PA

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								
Frequency (MHz)				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	24.38	24.46	24.20		
40	1/2 BPSK	1	108	24.15	24.25	24.23	25.5	0.0
40	1/2 BPSK	1	214	24.35	24.48	24.41		
40	1/2 BPSK	108	0	23.61	23.77	23.63	25.0	0.5
40	1/2 BPSK	108	54	24.24	24.30	24.25	25.5	0.0
40	1/2 BPSK	108	108	23.77	23.97	23.80		
40	1/2 BPSK	216	0	23.34	23.45	23.29	25.0	0.5
40	QPSK	1	1	24.40	24.52	24.45		
40	QPSK	1	108	24.13	24.27	24.22	25.5	0.0
40	QPSK	1	214	24.46	24.44	24.41		
40	QPSK	108	0	23.14	23.30	23.02	24.5	1.0
40	QPSK	108	54	24.35	24.47	24.41	25.5	0.0
40	QPSK	108	108	23.28	23.29	23.26		
40	QPSK	216	0	23.25	23.37	23.36	24.5	1.0
40	16QAM	1	1	23.12	23.07	22.91	24.5	1.0
40	64QAM	1	1	21.42	21.57	21.47	23.0	2.5
40	256QAM	1	1	19.84	19.67	19.59	21.0	4.5
Channel								
Frequency (MHz)				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	24.35	24.39	24.38	25.5	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	24.22	24.48	24.33	25.5	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	24.27	24.41	24.39	25.5	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	24.25	24.38	24.45	25.5	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	24.22	24.36	24.40	25.5	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	24.29	24.36	24.31	25.5	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	24.38	24.43	24.35	25.5	0.0

n66 Ant2 Default Main PA

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								
Frequency (MHz)				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	24.62	24.68	24.44		
40	1/2 BPSK	1	108	24.41	24.50	24.45	25.5	0.0
40	1/2 BPSK	1	214	24.68	24.81	24.60		
40	1/2 BPSK	108	0	23.88	24.04	23.94	25.0	0.5
40	1/2 BPSK	108	54	24.55	24.57	24.43	25.5	0.0
40	1/2 BPSK	108	108	23.99	24.17	24.06		
40	1/2 BPSK	216	0	23.62	23.61	23.59	25.0	0.5
40	QPSK	1	1	24.71	24.82	24.75		
40	QPSK	1	108	24.49	24.60	24.39	25.5	0.0
40	QPSK	1	214	24.75	24.81	24.65		
40	QPSK	108	0	23.47	23.59	23.39	24.5	1.0
40	QPSK	108	54	24.61	24.79	24.61	25.5	0.0
40	QPSK	108	108	23.52	23.54	23.48		
40	QPSK	216	0	23.49	23.75	23.62	24.5	1.0
40	16QAM	1	1	23.33	23.41	23.22	24.5	1.0
40	64QAM	1	1	21.67	21.91	21.82	23.0	2.5
40	256QAM	1	1	19.92	19.93	19.82	21.0	4.5
Channel								
Frequency (MHz)				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	24.69	24.74	24.58	0.0	0.0
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	24.58	24.65	24.67	25.5	0.0
Channel								
Frequency (MHz)				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	24.63	24.78	24.58	25.5	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	24.68	24.79	24.68	25.5	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	24.54	24.75	24.59	25.5	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	24.59	24.69	24.62	25.5	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	24.57	24.78	24.62	25.5	0.0

n38 Ant2 Default Main PA								
BW [MHz]	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	24.56	24.62	24.47	25.5	0.0
40	1/2 BPSK	1	53	24.18	24.35	24.20		
40	1/2 BPSK	1	104	24.23	24.29	24.21		
40	1/2 BPSK	50	0	23.94	23.97	23.81	25.0	0.5
40	1/2 BPSK	50	28	24.40	24.44	24.30	25.5	0.0
40	1/2 BPSK	50	56	23.76	23.81	23.74	25.0	0.5
40	1/2 BPSK	100	0	23.96	23.98	23.82		
40	QPSK	1	1	24.50	24.62	24.58		
40	QPSK	1	53	24.30	24.45	24.34	25.5	0.0
40	QPSK	1	104	24.33	24.36	24.24		
40	QPSK	50	0	23.35	23.47	23.36	24.5	1.0
40	QPSK	50	26	24.36	24.52	24.45	25.5	0.0
40	QPSK	50	56	23.13	23.26	23.21	24.5	1.0
40	QPSK	100	0	23.36	23.45	23.34		
40	16QAM	1	1	23.36	23.45	23.31	24.5	1.0
40	64QAM	1	1	21.74	21.91	21.77	23.0	2.5
40	256QAM	1	1	19.78	19.87	19.74	21.0	4.5
Channel				517002	518000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	24.50	24.50	24.43	25.5	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	24.47	24.61	24.45	25.5	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	24.45	24.59	24.50	25.5	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	24.51	24.58	24.42	25.5	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	24.50	24.58	24.52	25.5	0.0

n41 Ant2 Default Main PA								
BW [MHz]	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	24.51	24.62	24.44	25.5	0.0
100	1/2 BPSK	1	137	24.14	24.31	24.13		
100	1/2 BPSK	1	271	24.26	24.23	24.20		
100	1/2 BPSK	135	0	23.87	23.94	23.78	25.0	0.5
100	1/2 BPSK	135	69	24.42	24.47	24.37	25.5	0.0
100	1/2 BPSK	135	138	23.81	23.84	23.70	25.0	0.5
100	1/2 BPSK	270	0	23.93	23.87	23.76		
100	QPSK	1	1	24.56	24.65	24.60		
100	QPSK	1	137	24.32	24.41	24.39	25.5	0.0
100	QPSK	1	271	24.33	24.42	24.27		
100	QPSK	135	0	23.31	23.45	23.37	24.5	1.0
100	QPSK	135	69	24.34	24.59	24.52	25.5	0.0
100	QPSK	135	138	23.11	23.19	23.19	24.5	1.0
100	QPSK	270	0	23.44	23.55	23.28		
100	16QAM	1	1	23.40	23.47	23.26	24.5	1.0
100	64QAM	1	1	21.67	21.99	21.76	23.0	2.5
100	256QAM	1	1	19.35	19.81	19.69	21.0	4.5
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	24.46	24.59	24.52	25.5	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2533.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	24.49	24.54	24.44	25.5	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	24.51	24.63	24.48	25.5	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2529	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	24.44	24.62	24.54	25.5	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	24.52	24.47	24.53	25.5	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	24.46	24.63	24.56	25.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	24.42	24.48	24.57	25.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	24.53	24.60	24.65	0.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	24.48	24.61	24.43	25.5	0.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	24.51	24.53	24.43	25.5	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	24.40	24.55	24.54	25.5	0.0



n2 Ant3 Default Main PA									
BW [MHz]	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)				1670	1860	1890			
40	1/2 BPSK	1	1	23.32	23.47	23.36	25.0	0.0	
40	1/2 BPSK	1	108	23.28	23.38	23.22			
40	1/2 BPSK	1	214	23.41	23.50	23.33			
40	1/2 BPSK	108	0	22.60	22.72	22.69	24.5	0.5	
40	1/2 BPSK	108	54	23.14	23.29	23.13	25.0	0.0	
40	1/2 BPSK	108	108	22.77	22.89	22.83	24.5	0.5	
40	1/2 BPSK	216	0	22.33	22.38	22.34			
40	QPSK	1	1	23.48	23.51	23.45	25.0	0.0	
40	QPSK	1	108	23.33	23.40	23.24			
40	QPSK	1	214	23.37	23.46	23.43			
40	QPSK	108	0	22.38	22.43	22.38	24.0	1.0	
40	QPSK	108	54	23.33	23.48	23.38	25.0	0.0	
40	QPSK	108	108	22.40	22.50	22.47	24.0	1.0	
40	QPSK	216	0	22.40	22.52	22.35			
40	16QAM	1	1	22.11	22.27	22.21	24.0	1.0	
40	64QAM	1	1	20.70	20.80	20.75	22.5	2.5	
40	256QAM	1	1	18.33	18.37	18.80	20.5	4.5	
Channel				373500	376000	378500	Tune-up	MPR	
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)	
35	QPSK	1	1	23.45	23.40	23.29	0.0	0.0	
Channel				373000	376000	378000	Tune-up	MPR	
Frequency (MHz)				1865	1880	1895	limit	(dB)	
30	QPSK	1	1	23.32	23.46	23.41	25.0	0.0	
Channel				372500	376000	379500	Tune-up	MPR	
Frequency (MHz)				1862.5	1880	1897.5	limit	(dB)	
25	QPSK	1	1	23.37	23.48	23.35	0.0	0.0	
Channel				372000	376000	380000	Tune-up	MPR	
Frequency (MHz)				1860	1880	1900	limit	(dB)	
20	QPSK	1	1	23.45	23.37	23.41	0.0	0.0	
Channel				371500	376000	380500	Tune-up	MPR	
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)	
15	QPSK	1	1	23.31	23.44	23.40	25.0	0.0	
Channel				371000	376000	381000	Tune-up	MPR	
Frequency (MHz)				1855	1880	1905	limit	(dB)	
10	QPSK	1	1	23.44	23.42	23.28	25.0	0.0	
Channel				370500	376000	381500	Tune-up	MPR	
Frequency (MHz)				1852.5	1880	1917.5	limit	(dB)	
5	QPSK	1	1	23.37	23.46	23.41	25.0	0.0	

n7 Ant3 Default Main PA									
BW [MHz]	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	23.46	23.53	23.40	25.0	0.0	
40	1/2 BPSK	1	108	23.41	23.56	23.30			
40	1/2 BPSK	1	214	23.58	23.55	23.46			
40	1/2 BPSK	108	0	22.72	22.87	22.76	24.5	0.5	
40	1/2 BPSK	108	54	23.19	23.37	23.19	25.0	0.0	
40	1/2 BPSK	108	108	22.83	22.93	22.93	24.5	0.5	
40	1/2 BPSK	216	0	22.85	23.07	22.89			
40	QPSK	1	1	23.56	23.52	23.54	25.0	0.0	
40	QPSK	1	108	23.50	23.50	23.32			
40	QPSK	1	214	23.52	23.51	23.56			
40	QPSK	108	0	22.41	22.60	22.46	24.0	1.0	
40	QPSK	108	54	23.41	23.55	23.51	25.0	0.0	
40	QPSK	108	108	22.45	22.66	22.52	24.0	1.0	
40	QPSK	216	0	22.49	22.62	22.43			
40	16QAM	1	1	22.20	22.43	22.24	24.0	1.0	
40	64QAM	1	1	20.73	20.84	20.88	22.5	2.5	
40	256QAM	1	1	18.36	18.37	18.38	20.5	4.5	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)	
35	QPSK	1	1	23.51	23.52	23.44	25.0	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit	(dB)	
30	QPSK	1	1	23.45	23.55	23.51	25.0	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)	
25	QPSK	1	1	23.52	23.52	23.52	25.0	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit	(dB)	
20	1/2 BPSK	1	1	23.46	23.45	23.38	25.0	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)	
15	QPSK	1	1	23.42	23.57	23.48	25.0	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit	(dB)	
10	QPSK	1	1	23.56	23.55	23.41	25.0	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2577.5	limit	(dB)	
5	QPSK	1	1	23.50	23.56	23.53	25.0	0.0	

n66 Ant3 Default Main PA									
BW [MHz]	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	23.51	23.67	23.54	25.0	0.0	
40	1/2 BPSK	1	108	23.53	23.59	23.49			
40	1/2 BPSK	1	214	23.62	23.65	23.50			
40	1/2 BPSK	108	0	22.85	22.88	22.83	24.5	0.5	
40	1/2 BPSK	108	54	23.35	23.35	23.39	25.0	0.0	
40	1/2 BPSK	108	108	22.94	23.03	23.00	24.5	0.5	
40	1/2 BPSK	216	0	23.10	23.24	23.00			
40	QPSK	1	1	23.74	23.75	23.71	25.0	0.0	
40	QPSK	1	108	23.55	23.53	23.49			
40	QPSK	1	214	23.64	23.64	23.59			
40	QPSK	108	0	22.53	22.61	22.56	24.0	1.0	
40	QPSK	108	54	23.52	23.69	23.52	25.0	0.0	
40	QPSK	108	108	22.55	22.65	22.64	24.0	1.0	
40	QPSK	216	0	22.58	22.66	22.62			
40	16QAM	1	1	22.25	22.47	22.41	24.0	1.0	
40	64QAM	1	1	20.94	20.97	20.96	22.5	2.5	
40	256QAM	1	1	18.96	19.04	18.93	20.5	4.5	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	23.62	23.68	23.58	0.0	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	23.63	23.71	23.54	25.0	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	23.69	23.69	23.68	25.0	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	23.56	23.60	23.62	25.0	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	23.69	23.62	23.63	25.0	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	23.61	23.69	23.64	25.0	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	23.69	23.67	23.55	25.0	0.0	



n38 Ant3 Default Main PA								
BW [MHz]	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	23.49	23.66	23.61	25.0	0.0
40	1/2 BPSK	1	53	23.42	23.53	23.39		
40	1/2 BPSK	1	104	23.58	23.70	23.50		
40	1/2 BPSK	50	0	22.76	22.99	22.87	24.5	0.5
40	1/2 BPSK	50	28	23.38	23.54	23.29	25.0	0.0
40	1/2 BPSK	50	56	23.00	23.03	23.05	24.5	0.5
40	1/2 BPSK	100	0	23.17	23.18	23.09		
40	QPSK	1	1	23.98	23.71	23.85		
40	QPSK	1	53	23.45	23.66	23.40	25.0	0.0
40	QPSK	1	104	23.53	23.69	23.59		
40	QPSK	50	0	22.54	22.61	22.65	24.0	1.0
40	QPSK	50	28	23.48	23.68	23.59	25.0	0.0
40	QPSK	50	56	22.53	22.66	22.61	24.0	1.0
40	QPSK	100	0	22.56	22.71	22.61		
40	16QAM	1	1	22.36	22.48	22.46	24.0	1.0
40	64QAM	1	1	20.88	20.97	20.90	22.5	2.5
40	256QAM	1	1	19.00	19.14	19.06	20.5	4.5
Channel				517002	518000	520998		
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	23.65	23.66	23.55	25.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	23.61	23.68	23.63	25.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	23.50	23.69	23.61	25.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.52	2595	2607.48	limit	(dB)
15	QPSK	1	1	23.59	23.64	23.52	25.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	23.54	23.68	23.53	25.0	0.0

n41 Ant3 Default Main PA								
BW [MHz]	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	23.55	23.75	23.70	25.0	0.0
100	1/2 BPSK	1	137	23.57	23.70	23.47		
100	1/2 BPSK	1	271	23.67	23.81	23.54		
100	1/2 BPSK	135	0	22.81	23.07	22.90	24.5	0.5
100	1/2 BPSK	135	69	23.42	23.72	23.36	25.0	0.0
100	1/2 BPSK	135	138	23.19	23.18	23.10	24.5	0.5
100	1/2 BPSK	270	0	23.21	23.27	23.14		
100	QPSK	1	1	23.79	23.83	23.82		
100	QPSK	1	137	23.59	23.81	23.55	25.0	0.0
100	QPSK	1	271	23.63	23.81	23.73		
100	QPSK	135	0	22.69	22.72	22.84	24.0	1.0
100	QPSK	135	69	23.52	23.78	23.75	25.0	0.0
100	QPSK	135	138	22.89	22.84	22.78	24.0	1.0
100	QPSK	270	0	22.65	22.54	22.76		
100	16QAM	1	1	22.41	22.52	22.61	24.0	1.0
100	64QAM	1	1	21.02	21.10	21.09	22.5	2.5
100	256QAM	1	1	19.06	19.21	19.14	20.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	23.42	23.59	23.59	25.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2538.02	2592.99	2648.99	limit	(dB)
80	QPSK	1	1	23.48	23.59	23.49	25.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	23.47	23.55	23.51	25.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2533.02	2592.99	2648.99	limit	(dB)
60	QPSK	1	1	23.42	23.57	23.53	25.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	23.54	23.46	23.47	25.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	23.49	23.57	23.50	25.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	23.43	23.55	23.56	25.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	23.54	23.54	23.55	0.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	23.47	23.53	23.47	25.0	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	23.42	23.60	23.43	25.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	23.53	23.57	23.49	25.0	0.0



n7 Ant4 Default Main PA								
BW [MHz]	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	23.56	23.74	23.59		
40	1/2 BPSK	1	108	23.65	23.68	23.59	25.0	0.0
40	1/2 BPSK	1	214	23.61	23.66	23.64		
40	1/2 BPSK	108	0	23.07	23.18	23.06	24.5	0.5
40	1/2 BPSK	108	54	23.62	23.73	23.58	25.0	0.0
40	1/2 BPSK	108	108	22.92	23.07	22.91		
40	1/2 BPSK	216	0	22.99	23.06	22.97	24.5	0.5
40	QPSK	1	1	23.72	23.75	23.74		
40	QPSK	1	108	23.52	23.67	23.63	25.0	0.0
40	QPSK	1	214	23.61	23.74	23.67		
40	QPSK	108	0	22.51	22.67	22.52	24.0	1.0
40	QPSK	108	54	23.62	23.73	23.67	25.0	0.0
40	QPSK	108	108	22.58	22.65	22.61		
40	QPSK	216	0	22.66	22.71	22.67	24.0	1.0
40	16QAM	1	1	22.46	22.56	22.53	24.0	1.0
40	64QAM	1	1	20.88	20.99	20.96	22.5	2.5
40	256QAM	1	1	18.33	19.05	19.02	23.5	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	23.67	23.71	23.69	25.0	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	23.61	23.69	23.57	25.0	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	23.57	23.58	23.57	25.0	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	23.65	23.72	23.63	25.0	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	23.63	23.70	23.60	25.0	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	23.63	23.69	23.64	25.0	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	23.60	23.68	23.64	25.0	0.0

n66 Ant4 Default Main PA								
BW [MHz]	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	23.64	23.90	23.70		
40	1/2 BPSK	1	108	23.75	23.71	23.76	25.0	0.0
40	1/2 BPSK	1	214	23.78	23.83	23.69		
40	1/2 BPSK	108	0	23.13	23.34	23.10	24.5	0.5
40	1/2 BPSK	108	54	23.77	23.89	23.68	25.0	0.0
40	1/2 BPSK	108	108	23.06	23.25	22.98		
40	1/2 BPSK	216	0	23.04	23.19	23.07	24.5	0.5
40	QPSK	1	1	23.84	23.92	23.89		
40	QPSK	1	108	23.60	23.79	23.79	25.0	0.0
40	QPSK	1	214	23.69	23.83	23.61		
40	QPSK	108	0	22.63	22.81	22.55	24.0	1.0
40	QPSK	108	54	23.76	23.89	23.77	25.0	0.0
40	QPSK	108	108	22.68	22.80	22.63		
40	QPSK	216	0	22.79	22.81	22.78	24.0	1.0
40	16QAM	1	1	22.62	22.61	22.59	24.0	1.0
40	64QAM	1	1	21.02	21.13	21.11	22.5	2.5
40	256QAM	1	1	19.08	19.17	19.05	23.5	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	23.79	23.89	23.74	25.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	23.77	23.78	23.78	25.0	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	23.74	23.82	23.83	25.0	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	23.74	23.82	23.78	25.0	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	23.79	23.83	23.84	25.0	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	23.78	23.86	23.82	25.0	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	23.78	23.75	23.74	25.0	0.0



n38 Ant4 Default Main PA

BW [MHz]	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	23.76	23.78	23.60	25.0	0.0
40	1/2 BPSK	1	53	23.45	23.62	23.50		
40	1/2 BPSK	1	104	23.51	23.58	23.49		
40	1/2 BPSK	50	0	23.08	23.18	23.06	24.5	0.5
40	1/2 BPSK	50	28	23.55	23.69	23.65	25.0	0.0
40	1/2 BPSK	50	56	22.95	23.09	23.03	24.5	0.5
40	1/2 BPSK	100	0	22.99	23.11	22.94		
40	QPSK	1	1	23.76	23.81	23.75		
40	QPSK	1	53	23.65	23.74	23.71	25.0	0.0
40	QPSK	1	104	23.47	23.58	23.45		
40	QPSK	50	0	22.80	22.83	22.73	24.0	1.0
40	QPSK	50	28	23.50	23.76	23.71	25.0	0.0
40	QPSK	50	56	22.46	22.58	22.50	24.0	1.0
40	QPSK	100	0	22.62	22.79	22.70		
40	16QAM	1	1	22.65	22.67	22.64	24.0	1.0
40	64QAM	1	1	21.11	21.17	21.08	22.5	2.5
40	256QAM	1	1	18.97	19.09	19.05	20.5	4.5
Channel				517002	518000	520000	Tune-up limit (dB)	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.60	23.73	23.65	25.0	0.0
Channel				516504	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	23.62	23.75	23.73	25.0	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.60	23.65	23.68	25.0	0.0
Channel				515502	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.65	23.69	23.69	25.0	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.65	23.70	23.58	25.0	0.0

n41 Ant4 Default Main PA

BW [MHz]	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	23.83	23.81	23.54	25.0	0.0
100	1/2 BPSK	1	137	23.38	23.64	23.54		
100	1/2 BPSK	1	271	23.48	23.53	23.41		
100	1/2 BPSK	135	0	23.02	23.19	23.04	24.5	0.5
100	1/2 BPSK	135	69	23.53	23.68	23.68	25.0	0.0
100	1/2 BPSK	135	138	22.93	23.16	23.00	24.5	0.5
100	1/2 BPSK	270	0	22.98	23.16	22.87		
100	QPSK	1	1	23.83	23.85	23.81		
100	QPSK	1	137	23.66	23.69	23.65	25.0	0.0
100	QPSK	1	271	23.51	23.57	23.47		
100	QPSK	135	0	22.75	22.84	22.75	24.0	1.0
100	QPSK	135	69	23.68	23.81	23.70	25.0	0.0
100	QPSK	135	138	22.40	22.65	22.49	24.0	1.0
100	QPSK	270	0	22.60	22.79	22.76		
100	16QAM	1	1	22.62	22.67	22.61	24.0	1.0
100	64QAM	1	1	21.10	21.18	21.11	22.5	2.5
100	256QAM	1	1	18.92	19.03	19.07	20.5	4.5
Channel				508200	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.81	23.67	23.65	25.0	0.0
Channel				507204	518598	529998	Tune-up limit (dB)	MPR
Frequency (MHz)				2538.02	2592.99	2648.99		
80	QPSK	1	1	23.73	23.79	23.77	25.0	0.0
Channel				506202	518598	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.75	23.73	23.70	25.0	0.0
Channel				505200	518598	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2528.02	2592.99	2658.98		
60	QPSK	1	1	23.74	23.81	23.69	25.0	0.0
Channel				504204	518598	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.69	23.69	23.67	25.0	0.0
Channel				503202	518598	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.79	23.77	23.77	25.0	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.69	23.77	23.73	25.0	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
25	QPSK	1	1	23.74	23.82	23.65	0.0	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.76	23.82	23.69	25.0	0.0
Channel				500700	518598	536496	Tune-up limit (dB)	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.68	23.71	23.69	25.0	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.72	23.79	23.71	25.0	0.0



n7 Ant5 Default Main PA								
BW [MHz]	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	20.79	20.89	20.80		
40	1/2 BPSK	1	108	20.84	20.88	20.80	22.0	0.0
40	1/2 BPSK	1	214	20.92	20.94	20.77		
40	1/2 BPSK	108	0	20.35	20.38	20.28	21.5	0.5
40	1/2 BPSK	108	54	20.82	20.92	20.74	22.0	0.0
40	1/2 BPSK	108	108	20.38	20.41	20.32		
40	1/2 BPSK	216	0	20.33	20.37	20.21	21.5	0.5
40	QPSK	1	1	20.98	21.02	20.93		
40	QPSK	1	108	20.86	20.88	20.79	22.0	0.0
40	QPSK	1	214	20.90	20.96	20.90		
40	QPSK	108	0	19.80	19.83	19.70	21.0	1.0
40	QPSK	108	54	20.79	20.97	20.95	22.0	0.0
40	QPSK	108	108	19.97	19.79	19.74		
40	QPSK	216	0	19.85	19.92	19.89	21.0	1.0
40	16QAM	1	1	19.63	19.74	19.60	21.0	1.0
40	64QAM	1	1	18.02	18.15	18.08	19.5	2.5
40	256QAM	1	1	16.99	18.18	16.03	17.5	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	20.86	20.94	20.86	22.0	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	20.91	20.90	20.90	22.0	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	20.90	20.98	20.76	22.0	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	20.96	20.98	20.84	22.0	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	20.88	20.97	20.79	22.0	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	20.84	20.88	20.79	22.0	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	20.82	20.90	20.86	22.0	0.0

n66 Ant5 Default Main PA								
BW [MHz]	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	21.75	21.96	21.83		
40	1/2 BPSK	1	108	21.87	21.87	21.87	22.5	0.0
40	1/2 BPSK	1	214	21.83	21.90	21.83		
40	1/2 BPSK	108	0	21.30	21.35	21.21	22.0	0.5
40	1/2 BPSK	108	54	21.85	21.86	21.80	22.5	0.0
40	1/2 BPSK	108	108	21.31	21.49	21.32		
40	1/2 BPSK	216	0	21.31	21.43	21.15	22.0	0.5
40	QPSK	1	1	21.96	21.99	21.92		
40	QPSK	1	108	21.80	21.89	21.72	22.5	0.0
40	QPSK	1	214	21.91	21.89	21.88		
40	QPSK	108	0	20.77	20.76	20.70	21.5	1.0
40	QPSK	108	54	21.75	21.95	21.91	22.5	0.0
40	QPSK	108	108	20.88	20.71	20.70		
40	QPSK	216	0	20.82	20.93	20.88	21.5	1.0
40	16QAM	1	1	20.59	20.80	20.59	21.5	1.0
40	64QAM	1	1	19.15	19.16	19.04	20.0	2.5
40	256QAM	1	1	17.09	17.19	17.08	18.0	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	21.91	21.81	21.84	0.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	21.77	21.90	21.84	22.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	21.87	21.87	21.86	22.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	21.89	21.83	21.80	22.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	21.87	21.89	21.83	22.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	21.83	21.83	21.90	22.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	21.78	21.83	21.75	22.5	0.0



n38 Ant5 Default Main PA								
BW [MHz]	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	20.83	20.98	20.85	22.0	0.0
40	1/2 BPSK	1	53	20.81	20.85	20.77		
40	1/2 BPSK	1	104	20.83	20.79	20.74		
40	1/2 BPSK	50	0	20.28	20.34	20.17	21.5	0.5
40	1/2 BPSK	50	28	20.84	20.92	20.89	22.0	0.0
40	1/2 BPSK	50	56	20.12	20.29	20.27		
40	1/2 BPSK	100	0	20.29	20.35	20.20	21.5	0.5
40	QPSK	1	1	21.02	21.03	20.98		
40	QPSK	1	53	20.73	20.82	20.66	22.0	0.0
40	QPSK	1	104	20.59	20.68	20.64		
40	QPSK	50	0	19.68	19.83	19.68	21.0	1.0
40	QPSK	50	28	20.80	20.84	20.69	22.0	0.0
40	QPSK	50	56	19.48	19.63	19.50	21.0	1.0
40	QPSK	100	0	19.66	19.78	19.63		
40	16QAM	1	1	20.62	20.71	20.66	21.0	1.0
40	64QAM	1	1	18.02	18.17	18.07	19.5	2.5
40	256QAM	1	1	16.09	16.22	16.06	17.5	4.5
Channel				517002	518000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	20.88	20.97	20.83	22.0	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	20.89	20.88	20.87	22.0	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	20.95	20.90	20.85	22.0	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	20.91	20.88	20.92	22.0	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	20.97	20.91	20.87	22.0	0.0

n41 Ant5 Default Main PA								
BW [MHz]	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	20.78	20.91	20.80	22.0	0.0
100	1/2 BPSK	1	137	20.84	20.80	20.80		
100	1/2 BPSK	1	271	20.81	20.81	20.77		
100	1/2 BPSK	135	0	20.23	20.38	20.25	21.5	0.5
100	1/2 BPSK	135	69	20.91	20.99	20.89	22.0	0.0
100	1/2 BPSK	135	138	20.17	20.28	20.22		
100	1/2 BPSK	270	0	20.28	20.40	20.15	21.5	0.5
100	QPSK	1	1	21.01	21.05	21.02		
100	QPSK	1	137	20.78	20.84	20.63	22.0	0.0
100	QPSK	1	271	20.59	20.62	20.72		
100	QPSK	135	0	19.69	19.78	19.62	21.0	1.0
100	QPSK	135	69	20.93	20.88	20.96	22.0	0.0
100	QPSK	135	138	19.52	19.62	19.58	21.0	1.0
100	QPSK	270	0	19.95	19.98	19.93		
100	16QAM	1	1	20.69	20.72	20.61	21.0	1.0
100	64QAM	1	1	18.09	18.12	18.02	19.5	2.5
100	256QAM	1	1	16.14	16.16	16.12	17.5	4.5
Channel				508200	518598	526996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	20.95	20.95	20.95	22.0	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2538.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	20.90	21.02	20.90	22.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	20.98	20.93	20.95	22.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2533.02	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	20.99	20.99	20.86	22.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	20.88	20.89	20.95	22.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	20.95	21.00	20.89	22.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	20.95	20.87	20.86	22.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	20.94	20.88	20.99	0.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	20.89	20.96	20.95	22.0	0.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	20.94	20.95	20.93	22.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	20.86	20.88	20.96	22.0	0.0



n48 Part96 Ant6 Default Main PA

Bandwidth [MHz]	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	24.80	24.85	24.70		
40	1/2 BPSK	1	53	24.78	24.81	24.70	25.7	0.0
40	1/2 BPSK	1	104	24.78	24.83	24.74		
40	1/2 BPSK	50	0	24.20	24.32	24.23	25.2	0.5
40	1/2 BPSK	50	28	24.83	24.87	24.69	25.7	0.0
40	1/2 BPSK	50	56	24.15	24.25	24.11	25.2	0.5
40	1/2 BPSK	100	0	24.17	24.29	24.20		
40	QPSK	1	1	24.83	24.88	24.84		
40	QPSK	1	53	24.72	24.83	24.73	25.7	0.0
40	QPSK	1	104	24.72	24.85	24.68		
40	QPSK	50	0	23.83	23.91	23.84	24.7	1.0
40	QPSK	50	28	24.77	24.85	24.79	25.7	0.0
40	QPSK	50	56	23.72	23.88	23.83	24.7	1.0
40	QPSK	100	0	23.76	23.82	23.80		
40	16QAM	1	1	23.75	23.81	23.66	24.7	1.0
40	16QAM	1	1	22.23	22.25	22.16	23.2	2.5
40	256QAM	1	1	20.32	20.40	20.25	21.2	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.76	24.83	24.74	25.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.78	24.82	24.72	25.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.71	24.71	24.81	25.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.76	24.76	24.67	25.7	0.0

Part270 n77 Ant6 Default Main PA

Bandwidth [MHz]	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	25.19	25.36	25.23		
100	1/2 BPSK	1	137	25.15	25.41	25.29	25.7	0.0
100	1/2 BPSK	1	271	25.21	25.44	25.36		
100	1/2 BPSK	135	0	25.15	25.39	25.35	25.7	0.0
100	1/2 BPSK	135	69	25.17	25.36	25.23	25.7	0.0
100	1/2 BPSK	135	138	25.15	25.37	25.27	25.7	0.0
100	1/2 BPSK	270	0	25.15	25.42	25.28		
100	QPSK	1	1	25.22	25.45	25.42		
100	QPSK	1	137	25.10	25.35	25.18	25.7	0.0
100	QPSK	1	271	25.08	25.26	25.23		
100	QPSK	135	0	25.16	25.34	25.22	25.7	0.0
100	QPSK	135	69	25.37	25.44	25.41	25.7	0.0
100	QPSK	135	138	25.21	25.41	25.26	25.7	0.0
100	QPSK	270	0	25.38	25.43	25.36		
100	16QAM	1	1	25.23	25.39	25.37	25.7	0.0
100	16QAM	1	1	24.65	24.92	24.80	25.2	0.5
100	256QAM	1	1	22.71	22.87	22.71	23.2	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.40	25.34	25.28	25.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.39	25.29	25.28	25.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.35	25.34	25.26	25.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.40	25.37	25.28	25.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.30	25.41	25.33	25.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.25	25.41	25.30	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.32	25.27	25.40	25.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	25.32	25.36	25.33	25.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.39	25.36	25.31	25.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.30	25.31	25.36	25.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.34	25.28	25.26	25.7	0.0

Part270 n77 PC2 Ant6 Default Main PA

Bandwidth [MHz]	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	27.05	27.42	27.38		
100	1/2 BPSK	1	137	27.09	27.36	27.28	28.0	0.0
100	1/2 BPSK	1	271	27.11	27.34	27.22		
100	1/2 BPSK	135	0	26.95	26.98	27.01	27.5	0.5
100	1/2 BPSK	135	69	27.14	27.39	27.33	28.0	0.0
100	1/2 BPSK	135	138	26.68	26.95	26.86	27.5	0.5
100	1/2 BPSK	270	0	26.59	26.91	26.76		
100	QPSK	1	1	27.19	27.46	27.42		
100	QPSK	1	137	27.18	27.42	27.26	28.0	0.0
100	QPSK	1	271	27.02	27.33	27.15		
100	QPSK	135	0	26.09	26.38	26.23	27.0	1.0
100	QPSK	135	69	27.14	27.44	27.39	28.0	0.0
100	QPSK	135	138	26.17	26.42	26.31	27.0	1.0
100	QPSK	270	0	26.14	26.41	26.31		
100	16QAM	1	1	26.07	26.43	26.32	27.0	1.0
100	16QAM	1	1	24.50	24.85	24.74	25.5	2.5
100	256QAM	1	1	22.35	22.41	22.38	23.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	27.06	27.36	27.28	28.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	27.11	27.30	27.22	28.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	27.04	27.30	27.26	28.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	27.16	27.40	27.35	28.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	27.09	27.30	27.25	28.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	27.16	27.42	27.33	28.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	27.13	27.34	27.24	28.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	27.07	27.42	27.34	28.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	27.12	27.40	27.40	28.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	27.12	27.40	27.40	28.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	27.15	27.42	27.40	28.0	0.0



Part270 n78 PC2 Ant6 Default Main PA

BW [MHz]	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	26.98				
100	1/2 BPSK	1	137	26.98			28.0	0.0
100	1/2 BPSK	1	271	26.87				
100	1/2 BPSK	135	0	26.55			27.5	0.5
100	1/2 BPSK	135	69	26.90			28.0	0.0
100	1/2 BPSK	135	138	26.54			27.5	0.5
100	1/2 BPSK	270	0	26.39				
100	QPSK	1	1	27.05				
100	QPSK	1	137	26.94			28.0	0.0
100	QPSK	1	271	26.83				
100	QPSK	135	0	26.75			27.0	1.0
100	QPSK	135	69	26.97			28.0	0.0
100	QPSK	135	138	26.87			27.0	1.0
100	QPSK	270	0	25.93				
100	16QAM	1	1	25.96			27.0	1.0
100	16QAM	1	1	24.30			25.5	2.5
100	256QAM	1	1	21.91			23.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	27.00	26.94	26.94	28.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.91	26.98	26.94	28.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	27.00	26.99	26.92	28.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.89	27.03	27.01	28.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.95	26.97	26.94	28.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	27.01	26.96	27.01	28.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	27.02	26.96	27.01	28.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	26.86	27.02	26.91	28.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.99	26.93	26.94	28.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.92	26.94	26.94	28.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.92	26.92	26.99	28.0	0.0

Part27Q n78 Ant6 PA Default Main PA

BW [MHz]	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	25.15				
100	1/2 BPSK	1	137	25.06			25.7	0.0
100	1/2 BPSK	1	271	25.26				
100	1/2 BPSK	135	0	25.25			25.7	0.0
100	1/2 BPSK	135	69	25.10			25.7	0.0
100	1/2 BPSK	135	138	25.17			25.7	0.0
100	1/2 BPSK	270	0	25.27				
100	QPSK	1	1	25.32				
100	QPSK	1	137	25.16			25.7	0.0
100	QPSK	1	271	24.97				
100	QPSK	135	0	25.13			25.7	0.0
100	QPSK	135	69	25.28			25.7	0.0
100	QPSK	135	138	25.10			25.7	0.0
100	QPSK	270	0	25.27				
100	16QAM	1	1	25.17			25.7	0.0
100	16QAM	1	1	24.72			25.2	0.5
100	256QAM	1	1	22.81			23.2	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.30	25.28	25.20	25.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.16	25.16	25.25	25.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.20	25.17	25.29	25.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.17	25.20	25.25	25.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.24	25.17	25.16	25.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.27	25.26	25.15	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.30	25.29	25.23	25.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	25.25	25.27	25.25	25.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.29	25.29	25.17	25.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.15	25.15	25.17	25.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.25	25.16	25.18	25.7	0.0

Part27Q n78 PC2 Ant6 Default Main PA

BW [MHz]	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	27.18				
100	1/2 BPSK	1	137	27.17			28.0	0.0
100	1/2 BPSK	1	271	27.11				
100	1/2 BPSK	135	0	26.73			27.5	0.5
100	1/2 BPSK	135	69	27.11			28.0	0.0
100	1/2 BPSK	135	138	26.73			27.5	0.5
100	1/2 BPSK	270	0	26.66				
100	QPSK	1	1	27.23				
100	QPSK	1	137	27.26			28.0	0.0
100	QPSK	1	271	27.02				
100	QPSK	135	0	26.08			27.0	1.0
100	QPSK	135	69	27.23			28.0	0.0
100	QPSK	135	138	26.11			27.0	1.0
100	QPSK	270	0	26.26				
100	16QAM	1	1	26.25			27.0	1.0
100	16QAM	1	1	24.53			25.5	2.5
100	256QAM	1	1	22.09			23.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	27.24	27.26	27.26	28.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	27.14	27.24	27.15	28.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	27.24	27.22	27.16	28.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	27.24	27.21	27.23	28.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	27.13	27.25	27.27	28.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	27.13	27.25	27.19	28.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	27.20	27.20	27.18	28.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	27.16	27.11	27.20	28.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	27.24	27.15	27.16	28.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	27.13	27.17	27.17	28.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	27.24	27.20	27.22	28.0	0.0

n48 Part96 Ant7 Default Main PA

BW [MHz]	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	22.80	22.71	22.62		
40	1/2 BPSK	1	53	22.81	22.76	22.61	24.5	0.0
40	1/2 BPSK	1	104	22.67	22.72	22.66		
40	1/2 BPSK	50	0	22.20	22.28	22.11	24.0	0.5
40	1/2 BPSK	50	28	22.53	22.70	22.54	24.5	0.0
40	1/2 BPSK	50	56	22.15	22.17	22.12		
40	1/2 BPSK	100	0	22.17	22.28	22.19	24.0	0.5
40	QPSK	1	1	22.69	22.79	22.68		
40	QPSK	1	53	22.54	22.64	22.57	24.5	0.0
40	QPSK	1	104	22.54	22.58	22.55		
40	QPSK	50	0	21.58	21.72	21.58	23.5	1.0
40	QPSK	50	28	22.62	22.77	22.66	24.5	0.0
40	QPSK	50	56	21.52	21.69	21.62		
40	QPSK	100	0	21.70	21.80	21.68	23.5	1.0
40	16QAM	1	1	21.71	21.77	21.74	23.5	1.0
40	16QAM	1	1	20.16	20.25	20.16	22.0	2.5
40	256QAM	1	1	18.33	18.36	18.20	20.0	4.5
Channel								
Frequency (MHz)								
30 QPSK 1 1 22.66 22.74 22.51 24.5 0.0								
Channel								
Frequency (MHz)								
20 QPSK 1 1 22.63 22.74 22.64 24.5 0.0								
Channel								
Frequency (MHz)								
15 QPSK 1 1 22.57 22.62 22.63 24.5 0.0								
Channel								
Frequency (MHz)								
10 QPSK 1 1 22.52 22.70 22.59 24.5 0.0								

Part270 n77 Ant7 Default Main PA

BW [MHz]	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	22.95	23.05	22.97		
100	1/2 BPSK	1	137	22.99	23.04	22.97	24.5	0.0
100	1/2 BPSK	1	271	22.95	23.02	22.89		
100	1/2 BPSK	135	0	22.81	22.98	22.85	24.5	0.0
100	1/2 BPSK	135	69	22.87	23.02	22.98	24.5	0.0
100	1/2 BPSK	135	138	22.87	23.03	22.93		
100	1/2 BPSK	270	0	22.94	22.99	22.93	24.5	0.0
100	QPSK	1	1	22.92	23.08	23.03		
100	QPSK	1	137	22.95	23.05	22.94	24.5	0.0
100	QPSK	1	271	22.64	22.76	22.66		
100	QPSK	135	0	22.97	23.01	22.98	24.5	0.0
100	QPSK	135	69	22.93	23.03	22.89	24.5	0.0
100	QPSK	135	138	22.85	22.98	22.91		
100	QPSK	270	0	22.94	23.02	22.95	24.5	0.0
100	16QAM	1	1	22.81	22.97	22.88	24.5	0.0
100	16QAM	1	1	22.49	22.54	22.45	24.0	0.5
100	256QAM	1	1	20.33	20.44	20.38	22.0	2.5
Channel								
Frequency (MHz)								
90 QPSK 1 1 22.84 22.93 22.99 24.5 0.0								
Channel								
Frequency (MHz)								
80 QPSK 1 1 22.80 22.98 22.96 24.5 0.0								
Channel								
Frequency (MHz)								
70 QPSK 1 1 22.87 22.91 22.88 24.5 0.0								
Channel								
Frequency (MHz)								
60 QPSK 1 1 22.79 22.92 22.95 24.5 0.0								
Channel								
Frequency (MHz)								
50 QPSK 1 1 22.83 22.92 23.00 24.5 0.0								
Channel								
Frequency (MHz)								
40 QPSK 1 1 22.87 23.00 22.94 24.5 0.0								
Channel								
Frequency (MHz)								
30 QPSK 1 1 22.88 23.06 22.87 24.5 0.0								
Channel								
Frequency (MHz)								
25 QPSK 1 1 22.70 23.00 22.95 24.5 0.0								
Channel								
Frequency (MHz)								
20 QPSK 1 1 22.87 22.93 22.88 24.5 0.0								
Channel								
Frequency (MHz)								
15 QPSK 1 1 22.80 22.98 22.93 24.5 0.0								
Channel								
Frequency (MHz)								
10 QPSK 1 1 22.84 22.99 22.96 24.5 0.0								

Part270 n77 PC2 Ant7 Default Main PA

BW [MHz]	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	24.88	25.01	24.92		
100	1/2 BPSK	1	137	24.92	24.98	24.86	26.5	0.0
100	1/2 BPSK	1	271	24.68	24.78	24.70		
100	1/2 BPSK	135	0	24.95	24.98	24.82	26.0	0.5
100	1/2 BPSK	135	69	24.83	25.01	24.90	26.5	0.0
100	1/2 BPSK	135	138	24.41	24.55	24.41		
100	1/2 BPSK	270	0	24.43	24.52	24.39	26.0	0.5
100	QPSK	1	1	24.89	25.06	24.96		
100	QPSK	1	137	24.90	25.04	24.86	26.5	0.0
100	QPSK	1	271	24.66	24.75	24.72		
100	QPSK	135	0	24.84	24.96	24.81	25.5	1.0
100	QPSK	135	69	24.84	25.01	24.91	26.5	0.0
100	QPSK	135	138	23.84	23.96	23.89		
100	QPSK	270	0	23.91	24.04	23.96	25.5	1.0
100	16QAM	1	1	23.82	23.99	23.90	25.5	1.0
100	16QAM	1	1	22.27	22.35	22.33	24.0	2.5
100	256QAM	1	1	20.31	20.33	20.23	22.0	4.5
Channel								
Frequency (MHz)								
90 QPSK 1 1 24.76 25.01 24.86 26.5 0.0								
Channel								
Frequency (MHz)								
80 QPSK 1 1 24.82 24.96 24.83 26.5 0.0								
Channel								
Frequency (MHz)								
70 QPSK 1 1 24.87 24.88 24.90 26.5 0.0								
Channel								
Frequency (MHz)								
60 QPSK 1 1 24.72 24.99 24.87 26.5 0.0								
Channel								
Frequency (MHz)								
50 QPSK 1 1 24.79 25.01 24.90 26.5 0.0								
Channel								
Frequency (MHz)								
40 QPSK 1 1 24.83 24.93 24.78 26.5 0.0								
Channel								
Frequency (MHz)								
30 QPSK 1 1 24.74 24.96 24.83 26.5 0.0								
Channel								
Frequency (MHz)								
25 QPSK 1 1 24.87 25.04								
Channel								
Frequency (MHz)								
20 QPSK 1 1 24.72 25.04 24.92 26.5 0.0								
Channel								
Frequency (MHz)								
15 QPSK 1 1 24.85 24.95 24.91 26.5 0.0								
Channel								
Frequency (MHz)								
10 QPSK 1 1 24.87 24.89 24.84 26.5 0.0								

Part27Q n77 Ant7 Default Main PA									
Bandwidth [MHz]	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		23.42		24.5	0.0	
100	1/2 BPSK	1	271		23.26				
100	1/2 BPSK	135	0		23.22		24.5	0.0	
100	1/2 BPSK	135	69		23.34		24.5	0.0	
100	1/2 BPSK	135	138		23.38		24.5	0.0	
100	1/2 BPSK	270	0		23.23				
100	QPSK	1	1		23.43		24.5	0.0	
100	QPSK	1	137		23.41				
100	QPSK	1	271		23.01				
100	QPSK	135	0		23.26		24.5	0.0	
100	QPSK	135	69		23.39		24.5	0.0	
100	QPSK	135	138		23.25				
100	QPSK	270	0		23.33		24.5	0.0	
100	16QAM	1	1		23.23		24.5	0.0	
100	16QAM	1	1		22.84		24.0	0.5	
100	256QAM	1	1		20.66		22.0	2.5	
Channel									
90	QPSK	1	1	23.39	23.39	23.41	24.5	0.0	
Channel									
80	QPSK	1	1	23.29	23.26	23.40	24.5	0.0	
Channel									
70	QPSK	1	1	23.27	23.39	23.40	24.5	0.0	
Channel									
60	QPSK	1	1	23.39	23.32	23.28	24.5	0.0	
Channel									
50	QPSK	1	1	23.29	23.31	23.39	24.5	0.0	
Channel									
40	QPSK	1	1	23.30	23.32	23.28	24.5	0.0	
Channel									
30	QPSK	1	1	23.37	23.26	23.30	24.5	0.0	
Channel									
25	QPSK	1	1	23.29	23.31	23.40	24.5	0.0	
Channel									
20	QPSK	1	1	23.33	23.41	23.40	24.5	0.0	
Channel									
15	QPSK	1	1	23.40	23.25	23.40	24.5	0.0	
Channel									
10	QPSK	1	1	23.32	23.32	23.32	24.5	0.0	

Part27Q n77 PC2 Ant7 Default Main PA									
Bandwidth [MHz]	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		25.32				
100	1/2 BPSK	1	137		25.39		26.5	0.0	
100	1/2 BPSK	1	271		25.20				
100	1/2 BPSK	135	0		25.27		26.0	0.5	
100	1/2 BPSK	135	69		25.35		26.5	0.0	
100	1/2 BPSK	135	138		24.87		26.0	0.5	
100	1/2 BPSK	270	0		24.89				
100	QPSK	1	1		25.45		26.5	0.0	
100	QPSK	1	137		25.38		26.5	0.0	
100	QPSK	1	271		25.06				
100	QPSK	135	0		25.34		26.5	1.0	
100	QPSK	135	69		25.39		26.5	0.0	
100	QPSK	135	138		24.29				
100	QPSK	270	0		24.42		25.5	1.0	
100	16QAM	1	1		24.39		25.5	1.0	
100	16QAM	1	1		22.64		24.0	2.5	
100	256QAM	1	1		20.69		22.0	4.5	
Channel									
90	QPSK	1	1	25.34	25.31	25.38	26.5	0.0	
Channel									
80	QPSK	1	1	25.39	25.29	25.40	26.5	0.0	
Channel									
70	QPSK	1	1	25.35	25.28	25.28	26.5	0.0	
Channel									
60	QPSK	1	1	25.34	25.40	25.41	26.5	0.0	
Channel									
50	QPSK	1	1	25.42	25.35	25.39	26.5	0.0	
Channel									
40	QPSK	1	1	25.33	25.41	25.30	26.5	0.0	
Channel									
30	QPSK	1	1	25.30	25.37	25.32	26.5	0.0	
Channel									
25	QPSK	1	1	25.30	25.28	25.29	26.5	0.0	
Channel									
20	QPSK	1	1	25.32	25.41	25.40	26.5	0.0	
Channel									
15	QPSK	1	1	23.40	25.37	25.42	26.5	0.0	
Channel									
10	QPSK	1	1	25.30	25.31	25.32	26.5	0.0	

Part27O n78 Ant7 Default Main PA									
Bandwidth [MHz]	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				
100	1/2 BPSK	1	137		22.80		24.5	0.0	
100	1/2 BPSK	1	271		22.66				
100	1/2 BPSK	135	0		22.77		24.5	0.0	
100	1/2 BPSK	135	69		22.80		24.5	0.0	
100	1/2 BPSK	135	138		22.82		24.5	0.0	
100	1/2 BPSK	270	0		22.78				
100	QPSK	1	1		22.88		24.5	0.0	
100	QPSK	1	137		22.83				
100	QPSK	1	271		22.52				
100	QPSK	135	0		22.82		24.5	0.0	
100	QPSK	135	69		22.85		24.5	0.0	
100	QPSK	135	138		22.78				
100	QPSK	270	0		22.78		24.5	0.0	
100	16QAM	1	1		22.63		24.5	0.0	
100	16QAM	1	1		22.21		24.0	0.5	
100	256QAM	1	1		20.21		22.0	2.5	
Channel									
90	QPSK	1	1	22.73	22.82	22.70	24.5	0.0	
Channel									
80	QPSK	1	1	22.71	22.84	22.74	24.5	0.0	
Channel									
70	QPSK	1	1	22.70	22.85	22.85	24.5	0.0	
Channel									
60	QPSK	1	1	22.74	22.71	22.82	24.5	0.0	
Channel									
50	QPSK	1	1	22.82	22.75	22.78	24.5	0.0	
Channel									
40	QPSK	1	1	22.83	22.70	22.75	24.5	0.0	
Channel									
30	QPSK	1	1	22.75	22.83	22.83	24.5	0.0	
Channel									
25	QPSK	1	1	22.76	22.79	22.92	24.5	0.0	
Channel									
20	QPSK	1	1	22.79	22.69	22.72	24.5	0.0	
Channel									
15	QPSK	1	1	22.75	22.81	22.80	24.5	0.0	
Channel									
10	QPSK	1	1	22.71	22.81	22.75	24.5	0.0	



Part270 n78 PC2 Ant7 Default Main PA

BW [MHz]	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	24.74	24.74			
100	1/2 BPSK	1	137	24.78	24.78		26.5	0.0
100	1/2 BPSK	1	271	24.85	24.85			
100	1/2 BPSK	135	0	24.81	24.81		26.0	0.5
100	1/2 BPSK	135	69	24.78	24.78		26.5	0.0
100	1/2 BPSK	135	138	24.29	24.29		26.0	0.5
100	1/2 BPSK	270	0	24.33	24.33			
100	QPSK	1	1	24.81	24.81			
100	QPSK	1	137	24.72	24.72		26.5	0.0
100	QPSK	1	271	24.63	24.63			
100	QPSK	135	0	24.67	24.67		26.5	1.0
100	QPSK	135	69	24.77	24.77		26.5	0.0
100	QPSK	135	138	23.72	23.72		26.5	1.0
100	QPSK	270	0	23.88	23.88			
100	16QAM	1	1	23.77	23.77		25.5	1.0
100	16QAM	1	1	22.23	22.23		24.0	2.5
100	256QAM	1	1	20.35	20.35		22.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.79	24.84	24.64	26.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.74	24.73	24.73	26.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.65	24.76	24.72	26.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.72	24.70	24.65	26.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.65	24.67	24.54	26.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.65	24.76	24.74	26.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.75	24.63	24.70	26.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	24.60	24.68	24.78	26.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.69	24.66	24.73	26.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.74	24.63	24.53	26.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.63	24.78	24.64	26.5	0.0

Part270Q n78 Ant7 PA Default Main PA

BW [MHz]	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	23.21	23.21			
100	1/2 BPSK	1	137	23.32	23.32		24.5	0.0
100	1/2 BPSK	1	271	23.13	23.13			
100	1/2 BPSK	135	0	23.25	23.25		24.5	0.0
100	1/2 BPSK	135	69	23.17	23.17		24.5	0.0
100	1/2 BPSK	135	138	23.34	23.34		24.5	0.0
100	1/2 BPSK	270	0	23.15	23.15			
100	QPSK	1	1	23.36	23.36			
100	QPSK	1	137	23.21	23.21		24.5	0.0
100	QPSK	1	271	23.02	23.02			
100	QPSK	135	0	23.32	23.32		24.5	0.0
100	QPSK	135	69	23.32	23.32		24.5	0.0
100	QPSK	135	138	23.28	23.28		24.5	0.0
100	QPSK	270	0	23.25	23.25			
100	16QAM	1	1	23.15	23.15		24.5	0.0
100	16QAM	1	1	22.61	22.61		24.0	0.5
100	256QAM	1	1	20.86	20.86		22.0	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.23	23.24	23.19	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.18	23.20	23.24	24.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.21	23.31	23.24	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.21	23.25	23.30	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.19	23.24	23.34	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.22	23.25	23.19	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.26	23.26	23.23	24.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.22	23.32	23.22	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.28	23.24	23.30	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.31	23.24	23.30	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.29	23.28	23.25	24.5	0.0

Part270Q n78 PC2 Ant7 Default Main PA

BW [MHz]	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	25.15	25.15			
100	1/2 BPSK	1	137	25.12	25.12		26.5	0.0
100	1/2 BPSK	1	271	25.00	25.00			
100	1/2 BPSK	135	0	25.04	25.04		26.0	0.5
100	1/2 BPSK	135	69	25.17	25.17		26.5	0.0
100	1/2 BPSK	135	138	24.75	24.75		26.0	0.5
100	1/2 BPSK	270	0	24.66	24.66			
100	QPSK	1	1	25.27	25.27			
100	QPSK	1	137	25.05	25.05		26.5	0.0
100	QPSK	1	271	25.04	25.04			
100	QPSK	135	0	25.08	25.08		25.5	1.0
100	QPSK	135	69	25.22	25.22		26.5	0.0
100	QPSK	135	138	24.06	24.06		25.5	1.0
100	QPSK	270	0	24.24	24.24			
100	16QAM	1	1	24.16	24.16		25.5	1.0
100	16QAM	1	1	22.97	22.97		24.0	2.5
100	256QAM	1	1	20.79	20.79		22.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.24	25.20	25.23	26.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.12	25.25	25.14	26.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.21	25.15	25.18	26.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.09	25.18	25.22	26.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.19	25.18	25.10	26.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.12	25.16	25.11	26.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.18	25.12	25.17	26.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	25.20	25.16	25.18	26.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.11	25.09	25.14	26.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.10	25.23	25.16	26.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.13	25.24	25.21	26.5	0.0



n48 Part96 Ant8 Default Main PA

BW [MHz]	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	19.68	19.92	19.80	21.5	0.0
Channel								
Frequency (MHz)								
40	1/2 BPSK	1	53	19.79	19.83	19.66	21.0	0.5
40	1/2 BPSK	1	104	19.71	19.78	19.61		
Channel								
Frequency (MHz)								
40	1/2 BPSK	50	0	19.28	19.39	19.33	21.0	0.5
40	1/2 BPSK	50	28	19.77	19.81	19.69	21.5	0.0
40	1/2 BPSK	50	56	19.30	19.47	19.29	21.0	0.5
40	1/2 BPSK	100	0	19.24	19.39	19.32	21.0	0.0
40	QPSK	1	1	19.80	19.85	19.82		
40	QPSK	1	53	19.59	19.73	19.69	21.5	0.0
40	QPSK	1	104	19.62	19.74	19.66		
40	QPSK	50	0	18.76	18.85	18.67	20.5	1.0
40	QPSK	50	28	19.77	19.84	19.81	21.5	0.0
40	QPSK	50	56	18.90	18.93	18.83	20.5	1.0
40	QPSK	100	0	18.76	18.88	18.82	20.5	1.0
40	16QAM	1	1	18.77	18.87	18.78	20.5	1.0
40	64QAM	1	1	17.37	17.45	17.28	19.0	2.5
40	256QAM	1	1	15.41	15.46	15.36	17.0	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.67	19.81	19.73	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.73	19.81	19.65	21.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.71	19.72	19.71	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.55	19.76	19.74	21.5	0.0

Part270 n77 Ant8 Default Main PA

BW [MHz]	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	20.49	20.58	20.42	21.5	0.0
100	1/2 BPSK	1	137	20.39	20.56	20.42		
100	1/2 BPSK	1	271	20.58	20.62	20.57		
Channel								
Frequency (MHz)								
100	1/2 BPSK	135	0	20.51	20.55	20.44	21.5	0.0
100	1/2 BPSK	135	69	20.48	20.58	20.55	21.5	0.0
100	1/2 BPSK	135	138	20.38	20.53	20.49		
100	1/2 BPSK	270	0	20.42	20.57	20.52		
100	QPSK	1	1	20.52	20.63	20.58		
100	QPSK	1	137	20.48	20.55	20.43	21.5	0.0
100	QPSK	1	271	20.39	20.45	20.41		
100	QPSK	135	0	20.43	20.52	20.47	21.5	0.0
100	QPSK	135	69	20.46	20.57	20.46	21.5	0.0
100	QPSK	135	138	20.45	20.55	20.47	21.5	0.0
100	QPSK	270	0	20.43	20.53	20.38		
100	16QAM	1	1	20.29	20.43	20.33	21.5	0.0
100	64QAM	1	1	19.85	19.87	19.74	21.0	0.5
100	256QAM	1	1	17.96	18.03	17.88	19.0	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.44	20.54	20.55	21.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.40	20.41	20.42	21.5	0.0
80	QPSK	1	1	20.39	20.55	20.46	21.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.42	20.47	20.49	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.42	20.60	20.48	21.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.44	20.60	20.54	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.30	20.59	20.46	21.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.40	20.48	20.43	21.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.37	20.51	20.53	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.45	20.58	20.45	21.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.36	20.54	20.54	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.42	20.45	20.48	21.5	0.0

Part270 n77 PC2 Ant8 Default Main PA

BW [MHz]	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	22.40	22.48	22.39	23.5	0.0
100	1/2 BPSK	1	137	22.45	22.53	22.39		
100	1/2 BPSK	1	271	22.44	22.51	22.42		
Channel								
Frequency (MHz)								
100	1/2 BPSK	135	0	21.85	21.98	21.85	23.0	0.5
100	1/2 BPSK	135	69	22.49	22.52	22.48	23.5	0.0
100	1/2 BPSK	135	138	21.98	22.06	21.97		
100	1/2 BPSK	270	0	21.87	22.04	22.01		
100	QPSK	1	1	22.44	22.54	22.49		
100	QPSK	1	137	22.48	22.52	22.49	23.5	0.0
100	QPSK	1	271	22.37	22.46	22.32		
100	QPSK	135	0	21.50	21.54	21.49	22.5	1.0
100	QPSK	135	69	22.43	22.53	22.47	23.5	0.0
100	QPSK	135	138	21.44	21.52	21.42		
100	QPSK	270	0	21.45	21.54	21.36	22.5	1.0
100	16QAM	1	1	21.35	21.38	21.35	22.5	1.0
100	64QAM	1	1	19.31	19.46	19.42	21.0	2.5
100	256QAM	1	1	17.85	17.98	17.84	19.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.35	22.46	22.35	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.27	22.45	22.46	23.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.33	22.49	22.42	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.33	22.48	22.39	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.31	22.49	22.38	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.37	22.48	22.31	23.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.38	22.45	22.46	23.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.33	22.52	22.39	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.40	22.48	22.34	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.40	22.38	22.35	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.38	22.51	22.32	23.5	0.0



Part27Q n77 Ant8 Default Main PA

BW [MHz]	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		20.01			
100	1/2 BPSK	1	137		20.02		21.5	0.0
100	1/2 BPSK	1	271		20.02			
100	1/2 BPSK	135	0		19.99		21.5	0.0
100	1/2 BPSK	135	69		20.03		21.5	0.0
100	1/2 BPSK	135	138		19.95		21.5	0.0
100	1/2 BPSK	270	0		19.96			
100	QPSK	1	1		20.05			
100	QPSK	1	137		19.94		21.5	0.0
100	QPSK	1	271		19.97			
100	QPSK	135	0		20.01		21.5	0.0
100	QPSK	135	69		20.04		21.5	0.0
100	QPSK	135	138		20.02		21.5	0.0
100	QPSK	270	0		20.01			
100	16QAM	1	1		19.98		21.5	0.0
100	64QAM	1	1		19.29		21.0	0.5
100	256QAM	1	1		17.53		19.0	2.5
Channel								
				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	limit	(dB)
100	QPSK	1	1	19.96	19.91	20.00	21.5	0.0
Channel								
				633668	633334	634000	Tune-up limit	MPR
Frequency (MHz)								
80	QPSK	1	1	3490.02	3500.01	3510	limit	(dB)
100	QPSK	1	1	20.01	20.02	19.91	21.5	0.0
Channel								
				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)								
70	QPSK	1	1	3485.01	3500.01	3515.01	limit	(dB)
100	QPSK	1	1	20.02	19.93	19.87	21.5	0.0
Channel								
				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	limit	(dB)
100	QPSK	1	1	19.90	19.96	19.97	21.5	0.0
Channel								
				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	limit	(dB)
100	QPSK	1	1	19.90	20.01	20.02	21.5	0.0
Channel								
				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)								
40	QPSK	1	1	3470.01	3500.01	3530.01	limit	(dB)
100	QPSK	1	1	19.89	19.99	20.00	21.5	0.0
Channel								
				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	limit	(dB)
100	QPSK	1	1	19.91	20.03	19.97	21.5	0.0
Channel								
				630834	633334	635834	Tune-up limit	MPR
Frequency (MHz)								
25	QPSK	1	1	3462.51	3500.01	3537.51	limit	(dB)
100	QPSK	1	1	19.94	19.91	19.97	21.5	0.0
Channel								
				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	limit	(dB)
100	QPSK	1	1	19.95	19.94	20.01	21.5	0.0
Channel								
				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3542.52	limit	(dB)
100	QPSK	1	1	19.92	19.97	19.96	21.5	0.0
Channel								
				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)								
10	QPSK	1	1	3455.01	3500.01	3545.01	limit	(dB)
100	QPSK	1	1	19.95	19.92	19.93	21.5	0.0

Part27Q n77 PC2 Ant8 Default Main PA

BW [MHz]	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		22.03			
100	1/2 BPSK	1	137		21.96		23.5	0.0
100	1/2 BPSK	1	271		22.00			
100	1/2 BPSK	135	0		21.40		23.0	0.5
100	1/2 BPSK	135	69		22.02		23.5	0.0
100	1/2 BPSK	135	138		21.54		23.0	0.5
100	1/2 BPSK	270	0		21.97			
100	QPSK	1	1		22.04			
100	QPSK	1	137		22.00		23.5	0.0
100	QPSK	1	271		22.00			
100	QPSK	135	0		21.05		22.5	1.0
100	QPSK	135	69		22.03		23.5	0.0
100	QPSK	135	138		20.99		22.5	1.0
100	QPSK	270	0		21.05			
100	16QAM	1	1		20.83		22.5	1.0
100	64QAM	1	1		19.03		21.0	2.5
100	256QAM	1	1		17.95		19.0	4.5
Channel								
				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	limit	(dB)
100	QPSK	1	1	21.94	21.99	21.94	23.5	0.0
Channel								
				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)								
80	QPSK	1	1	3490.02	3500.01	3510	limit	(dB)
100	QPSK	1	1	21.96	21.92	22.01	23.5	0.0
Channel								
				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)								
70	QPSK	1	1	3488.01	3500.01	3515.01	limit	(dB)
100	QPSK	1	1	21.91	21.87	21.91	23.5	0.0
Channel								
				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	limit	(dB)
100	QPSK	1	1	21.89	21.89	21.87	23.5	0.0
Channel								
				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	limit	(dB)
100	QPSK	1	1	21.92	21.86	22.00	23.5	0.0
Channel								
				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)								
40	QPSK	1	1	3470.01	3500.01	3530.01	limit	(dB)
100	QPSK	1	1	21.90	21.93	21.97	23.5	0.0
Channel								
				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	limit	(dB)
100	QPSK	1	1	21.91	21.95	21.96	23.5	0.0
Channel								
				630834	633334	635834	Tune-up limit	MPR
Frequency (MHz)								
25	QPSK	1	1	3462.51	3500.01	3537.51	limit	(dB)
100	QPSK	1	1	21.93	21.92	21.92	23.5	0.0
Channel								
				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	limit	(dB)
100	QPSK	1	1	21.90	21.98	21.89	23.5	0.0
Channel								
				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3542.52	limit	(dB)
100	QPSK	1	1	21.92	21.94	21.89	23.5	0.0
Channel								
				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)								
10	QPSK	1	1	3455.01	3500.01	3545.01	limit	(dB)
100	QPSK	1	1	21.90	22.02	21.89	23.5	0.0

Part27Q n78 Ant8 Default Main PA

BW [MHz]	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		20.16			
100	1/2 BPSK	1	137		20.12		21.5	0.0
100	1/2 BPSK	1	271		20.17			
100	1/2 BPSK	135	0		20.08		21.5	0.0
100	1/2 BPSK	135	69		20.20		21.5	0.0
100	1/2 BPSK	135	138		20.02		21.5	0.0
100	1/2 BPSK	270	0		20.10			
100	QPSK	1	1		20.26			
100	QPSK	1	137		20.10		21.5	0.0
100	QPSK	1	271		20.19			
100	QPSK	135	0		20.11		21.5	0.0
100	QPSK	135	69		20.25		21.5	0.0
100	QPSK	135	138		20.14		21.5	0.0
100	QPSK	270	0		20.18			
100	16QAM	1	1		20.09		21.5	0.0
100	64QAM	1	1		19.44		21.0	0.5
100	256QAM	1	1		17.70		19.0	2.5
Channel								
				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	limit	(dB)
100	QPSK	1	1	20.17	20.23	20.14	21.5	0.0
Channel								
				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)								
80	QPSK	1	1	3740.01	3750	3760.02	limit	(dB)
100	QPSK	1	1	20.09	20.11	20.22	21.5	0.0
Channel								
				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)								
70	QPSK	1	1	3735	3750	3765	limit	(dB)
100	QPSK	1	1	20.17	20.22	20.14	21.5	0.0
Channel								



Part270 n78 PC2 Ant8 Default Main PA

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Includes rows for Channel, Frequency (MHz), and various modulation schemes like 1/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM.

Part27Q n78 Ant8 PA Default Main PA

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Includes rows for Channel, Frequency (MHz), and various modulation schemes like 1/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM.

Part27Q n78 PC2 Ant8 Default Main PA

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Includes rows for Channel, Frequency (MHz), and various modulation schemes like 1/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM.



Reduced Power SA Mode for DSI1

n5 Ant0 DSI1 Main PA									
BW [MHz]	Modulation	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	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	24.39	24.42	24.37			
20	1/2 BPSK	1	53	24.25	24.28	24.13	25.5	0.0	
20	1/2 BPSK	1	104	24.02	24.19	24.03			
20	1/2 BPSK	50	0	23.67	23.77	23.06	25.0	0.5	
20	1/2 BPSK	50	28	23.08	24.14	23.07	25.5	0.0	
20	1/2 BPSK	50	56	23.52	23.65	23.58	25.0	0.5	
20	1/2 BPSK	100	0	23.67	23.83	23.88			
20	QPSK	1	1	24.43	24.45	24.41			
20	QPSK	1	53	24.30	24.33	24.29	25.5	0.0	
20	QPSK	1	104	24.16	24.27	24.14			
20	QPSK	50	0	23.10	23.22	23.06	24.5	1.0	
20	QPSK	50	28	24.26	24.37	24.25	25.5	0.0	
20	QPSK	50	56	23.07	23.14	22.99	24.5	1.0	
20	QPSK	100	0	23.37	23.39	23.23			
20	16QAM	1	1	23.30	23.36	23.30	24.5	1.0	
20	64QAM	1	1	21.76	21.87	21.78	23.0	2.5	
20	256QAM	1	1	19.58	19.75	19.66	21.0	4.5	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.33	24.39	24.23	25.5	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.30	24.29	24.24	25.5	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				828.5	836.5	846.5			
5	QPSK	1	1	24.31	24.28	24.34	25.5	0.0	

n5 Ant1 DSI1 Main PA								
BW (MHz)	Modulation	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	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	21.36	21.42	21.30		
20	1/2 BPSK	1	53	21.18	21.26	21.24	22.5	0.0
20	1/2 BPSK	1	104	21.04	21.23	21.02		
20	1/2 BPSK	50	0	21.12	21.30	21.17	22.5	0.0
20	1/2 BPSK	50	28	21.27	21.26	21.17	22.5	0.0
20	1/2 BPSK	50	56	20.99	21.13	21.04	22.5	0.0
20	1/2 BPSK	100	0	21.28	21.36	21.24		
20	QPSK	1	1	21.34	21.47	21.39		
20	QPSK	1	53	21.20	21.25	21.17	22.5	0.0
20	QPSK	1	104	21.00	21.10	21.01		
20	QPSK	50	0	21.09	21.24	21.02	22.5	0.0
20	QPSK	50	28	21.29	21.38	21.31	22.5	0.0
20	QPSK	50	56	21.10	21.06	21.01	22.5	0.0
20	QPSK	100	0	21.35	21.47	21.25		
20	16QAM	1	1	21.23	21.39	21.35	22.5	0.0
20	64QAM	1	1	21.25	21.34	21.28	22.5	0.0
20	256QAM	1	1	19.67	19.73	19.65	21.0	1.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	21.29	21.44	21.42	22.5	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit	(dB)
10	QPSK	1	1	21.27	21.40	21.34	22.5	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	21.33	21.42	21.31	22.5	0.0

n48 Part96 Ant1 DSI1 Main PA

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								
Frequency (MHz)				638000	641666	645332		
				3570	3624.99	3679.98		
40	1/2 BPSK	1	1	17.95	17.98	17.99		
40	1/2 BPSK	1	53	17.77	17.84	17.80	19.0	0.0
40	1/2 BPSK	1	104	17.90	17.97	17.85		
40	1/2 BPSK	50	0	17.98	17.96	18.02	19.0	0.0
40	1/2 BPSK	50	28	17.83	17.91	17.76	19.0	0.0
40	1/2 BPSK	50	56	17.86	17.82	17.81	19.0	0.0
40	1/2 BPSK	100	0	17.83	17.99	17.84		
40	QPSK	1	1	17.87	18.03	17.91		
40	QPSK	1	53	17.79	17.82	17.76	19.0	0.0
40	QPSK	1	104	17.90	17.98	17.77		
40	QPSK	50	0	17.82	17.93	17.87	19.0	0.0
40	QPSK	50	28	17.79	17.94	17.88	19.0	0.0
40	QPSK	50	56	17.76	17.91	17.83	19.0	0.0
40	QPSK	100	0	17.99	18.01	17.83		
40	16QAM	1	1	17.70	17.84	17.81	19.0	0.0
40	64QAM	1	1	17.84	17.84	17.73	19.0	0.0
40	256QAM	1	1	17.96	17.98	17.91	19.0	0.0
Channel								
Frequency (MHz)				637668	641666	645666	Tune-up	MPR
				3565.02	3624.99	3684.90	limit	(dB)
30	QPSK	1	1	17.84	17.98	17.91	19.0	0.0
Channel								
Frequency (MHz)				637334	641666	646000	Tune-up	MPR
				3560.01	3624.99	3690	limit	(dB)
20	QPSK	1	1	17.87	17.95	17.89	19.0	0.0
Channel								
Frequency (MHz)				637168	641666	646166	Tune-up	MPR
				3557.52	3624.99	3692.49	limit	(dB)
15	QPSK	1	1	17.86	17.94	17.85	19.0	0.0
Channel								
Frequency (MHz)				637000	641666	646332	Tune-up	MPR
				3555	3624.99	3694.98	limit	(dB)
10	QPSK	1	1	17.81	18.02	17.89	19.0	0.0

Part270 n77 Ant1 DSI1 Main PA

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								
Frequency (MHz)				650000	656000	662000		
				3750	3840	3930		
100	1/2 BPSK	1	1	17.23	17.51	17.48		
100	1/2 BPSK	1	137	17.18	17.53	17.42	18.0	0.0
100	1/2 BPSK	1	271	17.29	17.35	17.50		
100	1/2 BPSK	135	0	17.36	17.51	17.46	18.0	0.0
100	1/2 BPSK	135	69	17.45	17.58	17.50	18.0	0.0
100	1/2 BPSK	135	138	17.36	17.50	17.51	18.0	0.0
100	1/2 BPSK	270	0	17.35	17.45	17.45		
100	QPSK	1	1	17.31	17.59	17.59		
100	QPSK	1	137	17.26	17.44	17.38	18.0	0.0
100	QPSK	1	271	17.29	17.51	17.47		
100	QPSK	135	0	17.33	17.57	17.51	18.0	0.0
100	QPSK	135	69	17.20	17.58	17.49	18.0	0.0
100	QPSK	135	138	17.40	17.49	17.48	18.0	0.0
100	QPSK	270	0	17.33	17.54	17.47		
100	16QAM	1	1	17.16	17.35	17.31	18.0	0.0
100	64QAM	1	1	17.18	17.35	17.37	18.0	0.0
100	256QAM	1	1	17.15	17.29	17.16	18.0	0.0
Channel								
Frequency (MHz)				649668	656000	662334	Tune-up	MPR
				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	17.26	17.55	17.48	18.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up	MPR
				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	17.32	17.53	17.50	18.0	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up	MPR
				3735	3840	3945	limit	(dB)
70	QPSK	1	1	17.24	17.56	17.53	18.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up	MPR
				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	17.23	17.54	17.47	18.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up	MPR
				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	17.33	17.52	17.43	18.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up	MPR
				3720	3840	3960	limit	(dB)
40	QPSK	1	1	17.32	17.53	17.48	18.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up	MPR
				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	17.31	17.53	17.43	18.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up	MPR
				3710.01	3840	3970.02	limit	(dB)
25	QPSK	1	1	17.29	17.51	17.47	18.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up	MPR
				3705	3840	3975	limit	(dB)
20	QPSK	1	1	17.23	17.54	17.49	18.0	0.0
Channel								
Frequency (MHz)				647188	656000	664834	Tune-up	MPR
				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	17.29	17.51	17.42	18.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up	MPR
				3705	3840	3975	limit	(dB)
10	QPSK	1	1	17.23	17.54	17.43	18.0	0.0

Part270 n77 PC2 Ant1 DSI1 Main PA

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								
Frequency (MHz)				650000	656000	662000		
				3750	3840	3930		
100	1/2 BPSK	1	1	20.27	20.37	20.29		
100	1/2 BPSK	1	137	20.39	20.52	20.51	21.0	0.0
100	1/2 BPSK	1	271	20.30	20.41	20.43		
100	1/2 BPSK	135	0	20.41	20.54	20.42	21.0	0.0
100	1/2 BPSK	135	69	20.42	20.56	20.52	21.0	0.0
100	1/2 BPSK	135	138	20.42	20.52	20.42	21.0	0.0
100	1/2 BPSK	270	0	20.39	20.55	20.56		
100	QPSK	1	1	20.34	20.55	20.48		
100	QPSK	1	137	20.43	20.54	20.49	21.0	0.0
100	QPSK	1	271	20.30	20.51	20.45		
100	QPSK	135	0	20.35	20.48	20.51	21.0	0.0
100	QPSK	135	69	20.35	20.56	20.34	21.0	0.0
100	QPSK	135	138	20.45	20.55	20.53	21.0	0.0
100	QPSK	270	0	20.53	20.55	20.54		
100	16QAM	1	1	20.31	20.35	20.28	21.0	0.0
100	64QAM	1	1	19.41	19.58	19.60	21.0	0.0
100	256QAM	1	1	19.59	19.68	19.64	21.0	0.0
Channel								
Frequency (MHz)				649668	656000	662334	Tune-up	MPR
				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	20.38	20.57	20.56	21.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up	MPR
				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	20.42	20.50	20.56	21.0	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up	MPR
				3735	3840	3945	limit	(dB)
70	QPSK	1	1	20.36	20.54	20.52	21.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up	MPR
				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	20.41	20.50	20.58	21.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up	MPR
				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	20.35	20.51	20.57	21.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up	MPR
				3720	3840	3960	limit	(dB)
40	QPSK	1	1	20.40	20.51	20.53	21.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up	MPR
				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	20.35	20.54	20.53	21.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up	MPR
				3710.01	3840	3970.02	limit	(dB)
25	QPSK	1	1	20.34	20.52	20.49	21.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up	MPR
				3705	3840	3975	limit	(dB)
20	QPSK	1	1	20.49	20.51	20.55	21.0	0.0
Channel								
Frequency (MHz)				647188	656000	664834	Tune-up	MPR
				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	20.45	20.55	20.49	21.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up	MPR
				3705	3840	3975	limit	(dB)
10	QPSK	1	1	20.40	20.54	20.55	21.0	0.0

Part27Q n77 Ant1 DSI1 Main PA

BW [MHz]	Modulatio n	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	17.32				
100	1/2 BPSK	1	137	17.42			18.0	0.0
100	1/2 BPSK	1	271	17.39				
100	1/2 BPSK	135	0	17.46			18.0	0.0
100	1/2 BPSK	135	69	17.35			18.0	0.0
100	1/2 BPSK	135	138	17.35			18.0	0.0
100	1/2 BPSK	270	0	17.28				
100	QPSK	1	1	17.50				
100	QPSK	1	137	17.25			18.0	0.0
100	QPSK	1	271	17.46				
100	QPSK	135	0	17.38			18.0	0.0
100	QPSK	135	69	17.49			18.0	0.0
100	QPSK	135	138	17.37			18.0	0.0
100	QPSK	270	0	17.46				
100	16QAM	1	1	17.30			18.0	0.0
100	64QAM	1	1	17.26			18.0	0.0
100	256QAM	1	1	17.13			18.0	0.0
Channel								
Frequency (MHz)								
633000 633334 633668								
90	QPSK	1	1	17.31	17.43	17.41	18.0	0.0
Channel								
Frequency (MHz)								
3490.02 3500.01 3510								
80	QPSK	1	1	17.84	17.49	17.42	18.0	0.0
Channel								
Frequency (MHz)								
632334 633334 634334								
70	QPSK	1	1	17.42	17.46	17.45	18.0	0.0
Channel								
Frequency (MHz)								
632000 633334 634668								
60	QPSK	1	1	17.83	17.41	17.42	18.0	0.0
Channel								
Frequency (MHz)								
631668 633334 635000								
50	QPSK	1	1	17.33	17.48	17.43	18.0	0.0
Channel								
Frequency (MHz)								
631334 633334 635334								
40	QPSK	1	1	17.37	17.47	17.46	18.0	0.0
Channel								
Frequency (MHz)								
631000 633334 635668								
30	QPSK	1	1	17.42	17.48	17.44	18.0	0.0
Channel								
Frequency (MHz)								
630334 633334 635334								
25	QPSK	1	1	17.34	17.47	17.46	18.0	0.0
Channel								
Frequency (MHz)								
630668 633334 636000								
20	QPSK	1	1	17.34	17.43	17.49	18.0	0.0
Channel								
Frequency (MHz)								
630500 633334 636168								
15	QPSK	1	1	17.31	17.43	17.45	18.0	0.0
Channel								
Frequency (MHz)								
630334 633334 636334								
10	QPSK	1	1	17.42	17.43	17.49	18.0	0.0

Part27Q n77 PC2 Ant1 DSI1 Main PA

BW [MHz]	Modulatio n	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	20.24				
100	1/2 BPSK	1	137	20.38			21.0	0.0
100	1/2 BPSK	1	271	20.40				
100	1/2 BPSK	135	0	20.38			21.0	0.0
100	1/2 BPSK	135	69	20.43			21.0	0.0
100	1/2 BPSK	135	138	20.42			21.0	0.0
100	1/2 BPSK	270	0	20.45				
100	QPSK	1	1	20.46				
100	QPSK	1	137	20.39			21.0	0.0
100	QPSK	1	271	20.34				
100	QPSK	135	0	20.45			21.0	0.0
100	QPSK	135	69	20.46			21.0	0.0
100	QPSK	135	138	20.44			21.0	0.0
100	QPSK	270	0	20.42				
100	16QAM	1	1	20.28			21.0	0.0
100	64QAM	1	1	19.62			21.0	0.0
100	256QAM	1	1	19.52			21.0	0.0
Channel								
Frequency (MHz)								
633000 633334 633668								
90	QPSK	1	1	20.30	20.34	20.34	21.0	0.0
Channel								
Frequency (MHz)								
3490.02 3500.01 3510								
80	QPSK	1	1	20.91	20.35	20.40	21.0	0.0
Channel								
Frequency (MHz)								
632334 633334 634334								
70	QPSK	1	1	20.38	20.35	20.42	21.0	0.0
Channel								
Frequency (MHz)								
632000 633334 634668								
60	QPSK	1	1	20.93	20.37	20.41	21.0	0.0
Channel								
Frequency (MHz)								
631668 633334 635000								
50	QPSK	1	1	20.40	20.36	20.42	21.0	0.0
Channel								
Frequency (MHz)								
631334 633334 635334								
40	QPSK	1	1	20.31	20.35	20.41	21.0	0.0
Channel								
Frequency (MHz)								
631000 633334 635668								
30	QPSK	1	1	20.47	20.37	20.34	21.0	0.0
Channel								
Frequency (MHz)								
630334 633334 635334								
25	QPSK	1	1	20.32	20.29	20.35	21.0	0.0
Channel								
Frequency (MHz)								
630668 633334 636000								
20	QPSK	1	1	20.35	20.33	20.41	21.0	0.0
Channel								
Frequency (MHz)								
630500 633334 636168								
15	QPSK	1	1	20.39	20.33	20.40	21.0	0.0
Channel								
Frequency (MHz)								
630334 633334 636334								
10	QPSK	1	1	20.38	20.36	20.42	21.0	0.0

Part27O n78 Ant1 DSI1 Main PA

BW [MHz]	Modulatio n	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	16.99				
100	1/2 BPSK	1	137	17.21			18.0	0.0
100	1/2 BPSK	1	271	17.00				
100	1/2 BPSK	135	0	17.18			18.0	0.0
100	1/2 BPSK	135	69	17.04			18.0	0.0
100	1/2 BPSK	135	138	17.11			18.0	0.0
100	1/2 BPSK	270	0	17.09				
100	QPSK	1	1	17.24				
100	QPSK	1	137	17.12			18.0	0.0
100	QPSK	1	271	17.08				
100	QPSK	135	0	17.07			18.0	0.0
100	QPSK	135	69	17.20			18.0	0.0
100	QPSK	135	138	17.09			18.0	0.0
100	QPSK	270	0	17.16				
100	16QAM	1	1	16.97			18.0	0.0
100	64QAM	1	1	16.87			18.0	0.0
100	256QAM	1	1	16.77			18.0	0.0
Channel								
Frequency (MHz)								
649668 650000 650334								
90	QPSK	1	1	17.16	17.17	17.15	18.0	0.0
Channel								
Frequency (MHz)								
649334 650000 650668								
80	QPSK	1	1	17.23	17.12	17.09	18.0	0.0
Channel								
Frequency (MHz)								
649000 650000 651000								
70	QPSK	1	1	17.14	17.15	17.08	18.0	0.0
Channel								
Frequency (MHz)								
648668 650000 651334								
60	QPSK	1	1	17.11	17.15	17.09	18.0	0.0
Channel								
Frequency (MHz)								
648334 650000 651668								
50	QPSK	1	1	17.15	17.15	17.08	18.0	0.0
Channel								
Frequency (MHz)								
648000 650000 652000								
40	QPSK	1	1	17.22	17.15	17.07	18.0	0.0
Channel								
Frequency (MHz)								
647668 650000 652334								
30	QPSK	1	1	17.19	17.16	17.08	18.0	0.0
Channel								
Frequency (MHz)								
647334 650000 652668								
25	QPSK	1	1	17.14	17.14	17.06	18.0	0.0
Channel								
Frequency (MHz)								
647000 650000 653000								
20	QPSK	1	1	17.12	17.13	17.13	18.0	0.0
Channel								
Frequency (MHz)								
646668 650000 652834								
15	QPSK	1	1	17.14	17.13	17.06	18.0	0.0
Channel								
Frequency (MHz)								
646334 650000 652668								
10	QPSK	1	1	17.13	17.11	17.05	18.0	0.0

**Part27O n78 PC2 Ant1 DSI1 Main PA**

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								
Frequency (MHz)				3750				
100	1/2 BPSK	1	1	19.95			21.0	0.0
100	1/2 BPSK	1	137	20.15				
100	1/2 BPSK	1	271	20.11				
100	1/2 BPSK	135	0	20.08			20.5	0.5
100	1/2 BPSK	135	69	20.19			21.0	0.0
100	1/2 BPSK	135	138	20.13			20.5	0.5
100	1/2 BPSK	270	0	20.16				
100	QPSK	1	1	20.26			21.0	0.0
100	QPSK	1	137	20.19				
100	QPSK	1	271	20.24				
100	QPSK	135	0	20.18			21.0	0.0
100	QPSK	135	69	20.23			21.0	0.0
100	QPSK	135	138	20.21			21.0	0.0
100	QPSK	270	0	20.22				
100	16QAM	1	1	20.03			21.0	0.0
100	64QAM	1	1	19.29			21.0	0.0
100	256QAM	1	1	19.32			21.0	0.0
Channel								
Frequency (MHz)				646668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	20.13	20.23	20.18	21.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	20.42	20.22	20.18	21.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	20.19	20.17	20.19	21.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	20.11	20.25	20.17	21.0	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	20.12	20.15	20.15	21.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	20.15	20.24	20.13	21.0	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	20.12	20.18	20.15	21.0	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	20.12	20.20	20.08	21.0	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	20.19	20.19	20.11	21.0	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	20.18	20.23	20.09	21.0	0.0

Part27Q n78 Ant1 DSI1 Main PA

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								
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	17.03			18.0	0.0
100	1/2 BPSK	1	137	17.20				
100	1/2 BPSK	1	271	17.19				
100	1/2 BPSK	135	0	17.30			18.0	0.0
100	1/2 BPSK	135	69	17.18			18.0	0.0
100	1/2 BPSK	135	138	17.26			18.0	0.0
100	1/2 BPSK	270	0	17.19				
100	QPSK	1	1	17.35			18.0	0.0
100	QPSK	1	137	17.26				
100	QPSK	1	271	17.09				
100	QPSK	135	0	17.14			18.0	0.0
100	QPSK	135	69	17.34			18.0	0.0
100	QPSK	135	138	17.05			18.0	0.0
100	QPSK	270	0	17.25				
100	16QAM	1	1	17.02			18.0	0.0
100	64QAM	1	1	17.04			18.0	0.0
100	256QAM	1	1	17.03			18.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	17.21	17.21	17.17	18.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	17.25	17.18	17.12	18.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	17.20	17.14	17.16	18.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	17.19	17.26	17.15	18.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	17.24	17.16	17.21	18.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	17.25	17.19	17.11	18.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	17.21	17.25	17.10	18.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	17.22	17.18	17.09	18.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	17.23	17.21	17.03	18.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.52	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	17.28	17.17	17.16	18.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	17.27	17.20	17.13	18.0	0.0

Part27Q n78 PC2 Ant1 DSI1 Main PA

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								
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	20.08			21.0	0.0
100	1/2 BPSK	1	137	20.27				
100	1/2 BPSK	1	271	20.14				
100	1/2 BPSK	135	0	20.26			21.0	0.0
100	1/2 BPSK	135	69	20.25			21.0	0.0
100	1/2 BPSK	135	138	20.31			21.0	0.0
100	1/2 BPSK	270	0	20.33				
100	QPSK	1	1	20.37			21.0	0.0
100	QPSK	1	137	20.35				
100	QPSK	1	271	20.26				
100	QPSK	135	0	20.31			21.0	0.0
100	QPSK	135	69	20.35			21.0	0.0
100	QPSK	135	138	20.33			21.0	0.0
100	QPSK	270	0	20.33				
100	16QAM	1	1	20.15			21.0	0.0
100	64QAM	1	1	19.53			21.0	0.0
100	256QAM	1	1	19.56			21.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	20.28	20.25	20.16	21.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	20.27	20.33	20.18	21.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	20.20	20.33	20.26	21.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	20.23	20.29	20.18	21.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	20.26	20.26	20.22	21.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	20.20	20.28	20.19	21.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	20.21	20.26	20.15	21.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	20.19	20.31	20.27	21.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	20.25	20.33	20.21	21.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.52				

n2 Ant2 DSI1 Main PA									
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									
Frequency (MHz)									
40	1/2 BPSK	1	1	18.83	18.84	18.76			
40	1/2 BPSK	1	108	18.73	18.85	18.62	20.0	0.0	
40	1/2 BPSK	1	214	18.82	18.98	18.59			
40	1/2 BPSK	108	0	18.54	18.76	18.71	20.0	0.0	
40	1/2 BPSK	108	54	18.77	18.83	18.68	20.0	0.0	
40	1/2 BPSK	108	108	18.80	18.91	18.81	20.0	0.0	
40	1/2 BPSK	216	0	18.31	18.37	18.29			
40	QPSK	1	1	18.87	19.01	18.57			
40	QPSK	1	108	18.62	18.83	18.67	20.0	0.0	
40	QPSK	1	214	18.95	18.99	18.85			
40	QPSK	108	0	18.74	18.72	18.60	20.0	0.0	
40	QPSK	108	54	18.94	18.98	18.93	20.0	0.0	
40	QPSK	108	108	18.82	18.91	18.75	20.0	0.0	
40	QPSK	216	0	18.72	18.86	18.84			
40	16QAM	1	1	18.51	18.59	18.51	20.0	0.0	
40	64QAM	1	1	18.54	18.66	18.61	20.0	0.0	
40	256QAM	1	1	18.61	18.65	18.61	20.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	18.71	18.90	18.88	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.72	18.91	18.50	20.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.80	18.91	18.96	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.77	18.79	18.98	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.77	18.88	18.92	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.79	18.91	18.91	20.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.75	18.90	18.90	20.0	0.0	

n7 Ant2 DSI1 Main PA									
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									
Frequency (MHz)									
40	1/2 BPSK	1	1	16.41	16.46	16.20			
40	1/2 BPSK	1	108	16.17	16.23	16.29	17.5	0.0	
40	1/2 BPSK	1	214	16.35	16.43	16.43			
40	1/2 BPSK	108	0	16.15	16.28	16.08	17.5	0.0	
40	1/2 BPSK	108	54	16.27	16.24	16.14	17.5	0.0	
40	1/2 BPSK	108	108	16.28	16.42	16.32	17.5	0.0	
40	1/2 BPSK	216	0	15.83	16.00	15.94			
40	QPSK	1	1	16.44	16.45	16.43			
40	QPSK	1	108	16.14	16.27	16.22	17.5	0.0	
40	QPSK	1	214	16.47	16.44	16.41			
40	QPSK	108	0	16.20	16.31	16.03	17.5	0.0	
40	QPSK	108	54	16.30	16.45	16.43	17.5	0.0	
40	QPSK	108	108	16.25	16.31	16.25	17.5	0.0	
40	QPSK	216	0	16.26	16.39	16.36			
40	16QAM	1	1	16.14	16.36	15.85	17.5	0.0	
40	64QAM	1	1	15.90	16.02	16.01	17.5	0.0	
40	256QAM	1	1	16.12	16.11	16.07	17.5	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	16.37	16.41	16.41	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.35	16.38	16.43	17.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.36	16.42	16.36	17.5	0.0	
Channel									
Frequency (MHz)									
20	1/2 BPSK	1	1	16.41	16.45	16.35	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.33	16.43	16.42	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.35	16.35	16.34	17.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.41	16.40	16.42	17.5	0.0	

n66 Ant2 DSI1 Main PA									
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									
Frequency (MHz)									
40	1/2 BPSK	1	1	19.15	19.22	18.93			
40	1/2 BPSK	1	108	18.96	18.04	18.96	20.0	0.0	
40	1/2 BPSK	1	214	19.16	19.28	19.07			
40	1/2 BPSK	108	0	18.94	18.99	18.94	20.0	0.0	
40	1/2 BPSK	108	54	19.10	19.08	18.95	20.0	0.0	
40	1/2 BPSK	108	108	19.02	19.19	19.03	20.0	0.0	
40	1/2 BPSK	216	0	18.63	18.58	18.54			
40	QPSK	1	1	19.19	19.34	19.22			
40	QPSK	1	108	19.04	19.11	18.83	20.0	0.0	
40	QPSK	1	214	19.27	19.33	19.00			
40	QPSK	108	0	18.92	19.12	18.86	20.0	0.0	
40	QPSK	108	54	19.06	19.31	19.08	20.0	0.0	
40	QPSK	108	108	19.05	19.00	18.98	20.0	0.0	
40	QPSK	216	0	18.98	19.24	19.15			
40	16QAM	1	1	18.85	18.85	18.77	20.0	0.0	
40	64QAM	1	1	18.66	18.95	18.82	20.0	0.0	
40	256QAM	1	1	19.95	19.96	19.76	20.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	19.21	19.25	19.03	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.14	19.19	19.08	20.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.16	19.26	19.12	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.20	19.27	19.11	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.17	19.23	19.10	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.20	19.23	19.09	20.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.13	19.24	19.12	20.0	0.0	



n38 Ant2 DSI1 Main PA								
BW [MHz]	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	16.54	16.64	16.52		
40	1/2 BPSK	1	53	16.16	16.41	16.15	17.5	0.0
40	1/2 BPSK	1	104	16.29	16.25	16.23		
40	1/2 BPSK	50	0	16.39	16.42	16.27	17.5	0.0
40	1/2 BPSK	50	28	16.42	16.40	16.25	17.5	0.0
40	1/2 BPSK	50	56	16.24	16.33	16.26		
40	1/2 BPSK	100	0	16.47	16.44	16.35	17.5	0.0
40	QPSK	1	1	16.62	16.66	16.60		
40	QPSK	1	53	16.31	16.48	16.31	17.5	0.0
40	QPSK	1	104	16.37	16.36	16.29		
40	QPSK	50	0	16.40	16.47	16.37	17.5	0.0
40	QPSK	50	28	16.42	16.50	16.41	17.5	0.0
40	QPSK	50	56	16.14	16.23	16.19	17.5	0.0
40	QPSK	100	0	16.41	16.44	16.38		
40	16QAM	1	1	16.38	16.50	16.27	17.5	0.0
40	64QAM	1	1	16.24	16.37	16.28	17.5	0.0
40	256QAM	1	1	16.28	16.38	16.20	17.5	0.0
Channel				517002	518000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	16.45	16.50	16.47	17.5	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	16.51	16.44	16.45	17.5	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	16.45	16.48	16.39	17.5	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	16.52	16.51	16.38	17.5	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	16.45	16.53	16.44	17.5	0.0

n41 Ant2 DSI1 Main PA								
BW [MHz]	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	16.50	16.61	16.49		
100	1/2 BPSK	1	137	16.15	16.25	16.15	17.5	0.0
100	1/2 BPSK	1	271	16.23	16.25	16.21		
100	1/2 BPSK	135	0	16.40	16.47	16.24	17.5	0.0
100	1/2 BPSK	135	69	16.36	16.49	16.31	17.5	0.0
100	1/2 BPSK	135	138	16.35	16.37	16.25		
100	1/2 BPSK	270	0	16.45	16.52	16.22	17.5	0.0
100	QPSK	1	1	16.46	16.68	16.35		
100	QPSK	1	137	16.57	16.43	16.60	17.5	0.0
100	QPSK	1	271	16.35	16.39	16.36		
100	QPSK	135	0	16.30	16.40	16.35	17.5	0.0
100	QPSK	135	69	16.35	16.43	16.32	17.5	0.0
100	QPSK	135	138	16.07	16.18	16.20	17.5	0.0
100	QPSK	270	0	16.40	16.49	16.26		
100	16QAM	1	1	16.36	16.50	16.20	17.5	0.0
100	64QAM	1	1	16.21	16.43	16.29	17.5	0.0
100	256QAM	1	1	16.34	16.37	16.24	17.5	0.0
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	16.41	16.57	16.46	17.5	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2533.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	16.49	16.61	16.43	17.5	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	16.48	16.54	16.50	17.5	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2529.02	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	16.52	16.65	16.58	17.5	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	16.49	16.58	16.53	17.5	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	16.45	16.64	16.50	17.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	16.41	16.60	16.56	17.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	16.47	16.54	16.49	0.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	16.49	16.60	16.54	17.5	0.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	16.43	16.60	16.54	17.5	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	16.49	16.63	16.53	17.5	0.0



n2 Ant3 DSI1 Main PA

BW [MHz]	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	23.32	23.47	23.36	25.0	0.0
40	1/2 BPSK	1	108	23.28	23.38	23.22		
40	1/2 BPSK	1	214	23.41	23.50	23.33		
40	1/2 BPSK	108	0	22.60	22.72	22.69	24.5	0.5
40	1/2 BPSK	108	54	23.14	23.29	23.13	25.0	0.0
40	1/2 BPSK	108	108	22.77	22.89	22.83	24.5	0.5
40	1/2 BPSK	216	0	22.93	22.98	22.84		
40	QPSK	1	1	23.48	23.51	23.45	25.0	0.0
40	QPSK	1	108	23.33	23.40	23.24		
40	QPSK	1	214	23.37	23.46	23.43		
40	QPSK	108	0	22.38	22.43	22.38	24.0	1.0
40	QPSK	108	54	23.33	23.48	23.38	25.0	0.0
40	QPSK	108	108	22.40	22.50	22.47	24.0	1.0
40	QPSK	216	0	22.40	22.52	22.35		
40	16QAM	1	1	22.11	22.27	22.21	24.0	1.0
40	64QAM	1	1	20.70	20.80	20.75	22.5	2.5
40	256QAM	1	1	18.83	18.87	18.80	20.5	4.5
Channel				373500	376000	378500		
Frequency (MHz)				1887.5	1880	1892.5	limit	(dB)
35	QPSK	1	1	23.45	23.40	23.29	0.0	0.0
Channel				373000	376000	378000		
Frequency (MHz)				1865	1880	1895	limit	(dB)
30	QPSK	1	1	23.32	23.46	23.41	25.0	0.0
Channel				372500	376000	379500		
Frequency (MHz)				1862.5	1880	1897.5	limit	(dB)
25	QPSK	1	1	23.37	23.48	23.35	0.0	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900	limit	(dB)
20	QPSK	1	1	23.45	23.37	23.41	0.0	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1877.5	1880	1902.5	limit	(dB)
15	QPSK	1	1	23.31	23.44	23.40	25.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	limit	(dB)
10	QPSK	1	1	23.44	23.42	23.26	25.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1897.5	limit	(dB)
5	QPSK	1	1	23.37	23.46	23.41	25.0	0.0

n7 Ant3 DSI1 Main PA

BW [MHz]	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	23.46	23.53	23.40		
40	1/2 BPSK	1	108	23.41	23.56	23.30	25.0	0.0
40	1/2 BPSK	1	214	23.38	23.55	23.46		
40	1/2 BPSK	108	0	22.72	22.87	22.76	24.5	0.5
40	1/2 BPSK	108	54	23.19	23.37	23.19	25.0	0.0
40	1/2 BPSK	108	108	22.83	22.93	22.93	24.5	0.5
40	1/2 BPSK	216	0	22.95	23.07	22.89		
40	QPSK	1	1	23.56	23.52	23.54	25.0	0.0
40	QPSK	1	108	23.50	23.50	23.32		
40	QPSK	1	214	23.52	23.51	23.56		
40	QPSK	108	0	22.41	22.60	22.46	24.0	1.0
40	QPSK	108	54	23.41	23.55	23.51	25.0	0.0
40	QPSK	108	108	22.45	22.66	22.52	24.0	1.0
40	QPSK	216	0	22.49	22.62	22.43		
40	16QAM	1	1	22.20	22.43	22.24	24.0	1.0
40	64QAM	1	1	20.73	20.84	20.88	22.5	2.5
40	256QAM	1	1	18.96	18.97	18.96	20.5	4.5
Channel				503500	507000	510500		
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	23.51	23.52	23.44	25.0	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	23.45	23.55	23.51	25.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	23.52	23.52	23.52	25.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	23.46	23.45	23.38	25.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	23.42	23.57	23.48	25.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	23.56	23.55	23.41	25.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2572.5	limit	(dB)
5	QPSK	1	1	23.50	23.56	23.53	25.0	0.0

n66 Ant3 DSI1 Main PA

BW [MHz]	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	23.51	23.67	23.54		
40	1/2 BPSK	1	108	23.53	23.59	23.49	25.0	0.0
40	1/2 BPSK	1	214	23.62	23.65	23.50		
40	1/2 BPSK	108	0	22.85	22.88	22.83	24.5	0.5
40	1/2 BPSK	108	54	23.35	23.54	23.39	25.0	0.0
40	1/2 BPSK	108	108	22.94	23.03	23.00	24.5	0.5
40	1/2 BPSK	216	0	23.10	23.24	23.00		
40	QPSK	1	1	23.74	23.75	23.71	25.0	0.0
40	QPSK	1	108	23.55	23.53	23.49		
40	QPSK	1	214	23.64	23.64	23.59		
40	QPSK	108	0	22.53	22.61	22.56	24.0	1.0
40	QPSK	108	54	23.52	23.69	23.52	25.0	0.0
40	QPSK	108	108	22.55	22.65	22.64	24.0	1.0
40	QPSK	216	0	22.58	22.66	22.62		
40	16QAM	1	1	22.25	22.47	22.41	24.0	1.0
40	64QAM	1	1	20.94	20.97	20.96	22.5	2.5
40	256QAM	1	1	18.96	19.04	18.93	20.5	4.5
Channel				345500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	23.62	23.68	23.58	0.0	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	23.63	23.71	23.54	25.0	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	23.69	23.69	23.68	25.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	23.56	23.60	23.62	25.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	23.69	23.62	23.63	25.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	23.61	23.69	23.64	25.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	23.69	23.67	23.55	25.0	0.0



n38 Ant3 DSI1 Main PA								
BW [MHz]	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	23.49	23.66	23.61	25.0	0.0
40	1/2 BPSK	1	53	23.42	23.53	23.39		
40	1/2 BPSK	1	104	23.58	23.70	23.50		
40	1/2 BPSK	50	0	22.76	22.99	22.87	24.5	0.5
40	1/2 BPSK	50	28	23.38	23.54	23.29	25.0	0.0
40	1/2 BPSK	50	56	23.00	23.03	23.05	24.5	0.5
40	1/2 BPSK	100	0	23.17	23.18	23.09		
40	QPSK	1	1	23.68	23.71	23.65		
40	QPSK	1	53	23.45	23.66	23.40	25.0	0.0
40	QPSK	1	104	23.53	23.69	23.59		
40	QPSK	50	0	22.54	22.61	22.65	24.0	1.0
40	QPSK	50	28	23.48	23.68	23.59	25.0	0.0
40	QPSK	50	56	22.53	22.66	22.61	24.0	1.0
40	QPSK	100	0	22.56	22.71	22.61		
40	16QAM	1	1	22.36	22.48	22.46	24.0	1.0
40	64QAM	1	1	20.88	20.97	20.90	22.5	2.5
40	256QAM	1	1	19.00	19.14	19.06	23.5	4.5
Channel				517002	518000	520000		
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	23.65	23.66	23.55	25.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	23.61	23.63	23.63	25.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	23.50	23.69	23.61	25.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	23.59	23.64	23.52	25.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	23.54	23.68	23.53	25.0	0.0

n41 Ant3 DSI1 Main PA								
BW [MHz]	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	23.55	23.75	23.70	25.0	0.0
100	1/2 BPSK	1	137	23.57	23.70	23.47		
100	1/2 BPSK	1	271	23.67	23.81	23.54		
100	1/2 BPSK	135	0	22.81	23.07	22.90	24.5	0.5
100	1/2 BPSK	135	69	23.42	23.72	23.36	25.0	0.0
100	1/2 BPSK	135	138	23.19	23.18	23.10	24.5	0.5
100	1/2 BPSK	270	0	23.21	23.27	23.14		
100	QPSK	1	1	23.72	23.83	23.82		
100	QPSK	1	137	23.59	23.81	23.55	25.0	0.0
100	QPSK	1	271	23.63	23.81	23.73		
100	QPSK	135	0	22.69	22.72	22.84	24.0	1.0
100	QPSK	135	69	23.52	23.78	23.75	25.0	0.0
100	QPSK	135	138	22.89	22.84	22.78	24.0	1.0
100	QPSK	270	0	22.65	22.54	22.76		
100	16QAM	1	1	22.41	22.52	22.61	24.0	1.0
100	64QAM	1	1	21.02	21.10	21.09	22.5	2.5
100	256QAM	1	1	19.06	19.21	19.14	23.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	23.42	23.59	23.59	25.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2538.02	2592.99	2648.99	limit	(dB)
80	QPSK	1	1	23.48	23.59	23.49	25.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	23.47	23.55	23.51	25.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2528.02	2592.99	2648.99	limit	(dB)
60	QPSK	1	1	23.42	23.57	23.53	25.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	23.54	23.46	23.47	25.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	23.49	23.57	23.50	25.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	23.43	23.55	23.56	25.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	23.54	23.54	23.55	0.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	23.47	23.53	23.47	25.0	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	23.42	23.60	23.43	25.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	23.53	23.57	23.49	25.0	0.0



n7 Ant4 DSI1 Main PA								
BW [MHz]	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	18.04	18.21	18.10		
40	1/2 BPSK	1	108	18.15	18.19	18.11	19.5	0.0
40	1/2 BPSK	1	214	18.17	18.11	18.16		
40	1/2 BPSK	108	0	18.05	18.18	18.07	19.5	0.0
40	1/2 BPSK	108	54	18.18	18.22	18.06	19.5	0.0
40	1/2 BPSK	108	108	17.94	18.13	17.90	19.5	0.0
40	1/2 BPSK	216	0	17.98	18.03	17.96		
40	QPSK	1	1	18.23	18.24	18.19		
40	QPSK	1	108	18.02	18.12	18.12	19.5	0.0
40	QPSK	1	214	18.16	18.20	18.03		
40	QPSK	108	0	18.06	18.16	17.98	19.5	0.0
40	QPSK	108	54	18.07	18.23	18.22	19.5	0.0
40	QPSK	108	108	18.07	18.11	18.05	19.5	0.0
40	QPSK	216	0	18.10	18.20	18.19		
40	16QAM	1	1	17.94	18.09	18.03	19.5	0.0
40	16QAM	1	1	17.82	18.03	17.99	19.5	0.0
40	256QAM	1	1	17.89	18.00	17.99	19.5	0.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	18.14	18.22	18.17	19.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	18.22	18.21	18.23	19.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	18.13	18.16	18.23	19.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	18.20	18.17	18.16	19.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	18.12	18.15	18.20	19.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	18.11	18.20	18.19	19.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2572.5	limit	(dB)
5	QPSK	1	1	18.21	18.18	18.20	19.5	0.0

n66 Ant4 DSI1 Main PA								
BW [MHz]	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	19.18	19.36	19.14		
40	1/2 BPSK	1	108	19.26	19.15	19.27	20.5	0.0
40	1/2 BPSK	1	214	19.25	19.20	19.16		
40	1/2 BPSK	108	0	19.07	19.32	19.08	20.5	0.0
40	1/2 BPSK	108	54	19.33	19.33	19.22	20.5	0.0
40	1/2 BPSK	108	108	19.10	19.22	18.93	20.5	0.0
40	1/2 BPSK	216	0	19.05	19.21	19.10		
40	QPSK	1	1	19.33	19.41	19.34		
40	QPSK	1	108	19.14	19.27	19.28	20.5	0.0
40	QPSK	1	214	19.19	19.38	19.17		
40	QPSK	108	0	19.13	19.28	19.07	20.5	0.0
40	QPSK	108	54	19.22	19.37	19.31	20.5	0.0
40	QPSK	108	108	19.14	19.29	19.10	20.5	0.0
40	QPSK	216	0	19.27	19.37	19.23		
40	16QAM	1	1	19.08	19.10	19.07	20.5	0.0
40	16QAM	1	1	19.01	19.10	19.12	20.5	0.0
40	256QAM	1	1	19.09	19.21	19.01	20.5	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	19.33	19.36	19.19	20.5	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	19.28	19.33	19.24	20.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	19.23	19.36	19.25	20.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	19.32	19.39	19.26	20.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	19.32	19.40	19.19	20.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	19.29	19.35	19.21	20.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	19.25	19.33	19.25	20.5	0.0



n38 Ant4 DSI1 Main PA								
BW [MHz]	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	18.15	18.28	18.04		
40	1/2 BPSK	1	53	18.00	18.09	17.96	19.5	0.0
40	1/2 BPSK	1	104	17.96	18.02	17.98		
40	1/2 BPSK	50	0	18.08	18.19	18.06	19.5	0.0
40	1/2 BPSK	50	28	18.03	18.19	18.15	19.5	0.0
40	1/2 BPSK	50	56	18.00	18.04	18.03		
40	1/2 BPSK	100	0	17.95	18.14	17.92	19.5	0.0
40	QPSK	1	1	18.30	18.33	18.23		
40	QPSK	1	53	18.09	18.25	18.24	19.5	0.0
40	QPSK	1	104	17.96	18.05	17.90		
40	QPSK	50	0	18.26	18.27	18.24	19.5	0.0
40	QPSK	50	28	18.26	18.28	18.25	19.5	0.0
40	QPSK	50	56	17.91	18.08	17.95		
40	QPSK	100	0	18.16	18.27	18.17	19.5	0.0
40	16QAM	1	1	18.13	18.17	18.10	19.5	0.0
40	64QAM	1	1	18.12	18.13	18.13	19.5	0.0
40	256QAM	1	1	18.00	18.13	18.09	19.5	0.0
Channel				517002	518000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	18.10	18.18	18.20	19.5	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	18.14	18.19	18.10	19.5	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	18.06	18.21	18.14	19.5	0.0
Channel				515502	518000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	18.11	18.19	18.12	19.5	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	18.04	18.22	18.19	19.5	0.0

n41 Ant4 DSI1 Main PA								
BW [MHz]	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	18.27	18.30	18.03		
100	1/2 BPSK	1	137	17.86	18.13	18.09	19.5	0.0
100	1/2 BPSK	1	271	18.00	18.03	17.94		
100	1/2 BPSK	135	0	17.97	18.23	18.07	19.5	0.0
100	1/2 BPSK	135	69	18.08	18.16	18.22	19.5	0.0
100	1/2 BPSK	135	138	17.87	18.11	17.99		
100	1/2 BPSK	270	0	18.01	18.11	17.84	19.5	0.0
100	QPSK	1	1	18.31	18.35	18.34		
100	QPSK	1	137	18.21	18.25	18.20	19.5	0.0
100	QPSK	1	271	17.97	18.08	18.02		
100	QPSK	135	0	18.27	18.30	18.24	19.5	0.0
100	QPSK	135	69	18.26	18.32	18.23	19.5	0.0
100	QPSK	135	138	17.88	18.13	18.01		
100	QPSK	270	0	18.08	18.28	18.23	19.5	0.0
100	16QAM	1	1	18.07	18.19	18.08	19.5	0.0
100	64QAM	1	1	18.05	18.18	18.09	19.5	0.0
100	256QAM	1	1	17.94	18.08	18.02	19.5	0.0
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	18.22	18.32	18.32	19.5	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2533.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	18.20	18.23	18.32	19.5	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	18.26	18.29	18.32	19.5	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2526	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	18.22	18.33	18.33	19.5	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	18.23	18.24	18.32	19.5	0.0
Channel				503202	518598	533996	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	18.22	18.30	18.33	19.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	18.24	18.33	18.28	19.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	18.19	18.28	18.24	0.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	18.28	18.29	18.31	19.5	0.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	18.21	18.32	18.33	19.5	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	18.20	18.30	18.22	19.5	0.0



n7 Ant5 DSI1 Main PA								
BW [MHz]	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	20.79	20.89	20.80		
40	1/2 BPSK	1	108	20.84	20.88	20.80	22.0	0.0
40	1/2 BPSK	1	214	20.92	20.94	20.77		
40	1/2 BPSK	108	0	20.35	20.38	20.28	21.5	0.5
40	1/2 BPSK	108	54	20.82	20.92	20.74	22.0	0.0
40	1/2 BPSK	108	108	20.38	20.41	20.32	21.5	0.5
40	1/2 BPSK	216	0	20.33	20.37	20.21		
40	QPSK	1	1	20.98	21.02	20.93		
40	QPSK	1	108	20.86	20.88	20.79	22.0	0.0
40	QPSK	1	214	20.90	20.96	20.90		
40	QPSK	108	0	19.80	19.83	19.70	21.0	1.0
40	QPSK	108	54	20.79	20.97	20.95	22.0	0.0
40	QPSK	108	108	19.97	19.79	19.74	21.0	1.0
40	QPSK	216	0	19.85	19.92	19.89		
40	16QAM	1	1	19.63	19.74	19.60	21.0	1.0
40	64QAM	1	1	18.02	18.15	18.08	19.5	2.5
40	256QAM	1	1	16.99	16.16	16.03	17.5	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	20.86	20.94	20.86	22.0	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	20.91	20.90	20.90	22.0	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	20.90	20.98	20.76	22.0	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	20.96	20.98	20.84	22.0	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	20.88	20.97	20.79	22.0	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	20.84	20.88	20.79	22.0	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	20.82	20.90	20.86	22.0	0.0

n66 Ant5 DSI1 Main PA								
BW [MHz]	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	21.75	21.96	21.83		
40	1/2 BPSK	1	108	21.87	21.87	21.87	22.5	0.0
40	1/2 BPSK	1	214	21.83	21.90	21.83		
40	1/2 BPSK	108	0	21.30	21.35	21.21	22.0	0.5
40	1/2 BPSK	108	54	21.85	21.86	21.80	22.5	0.0
40	1/2 BPSK	108	108	21.31	21.49	21.32	22.0	0.5
40	1/2 BPSK	216	0	21.31	21.43	21.15		
40	QPSK	1	1	21.96	21.99	21.92		
40	QPSK	1	108	21.80	21.89	21.72	22.5	0.0
40	QPSK	1	214	21.91	21.89	21.88		
40	QPSK	108	0	20.77	20.76	20.70	21.5	1.0
40	QPSK	108	54	21.75	21.95	21.91	22.5	0.0
40	QPSK	108	108	20.88	20.71	20.70	21.5	1.0
40	QPSK	216	0	20.82	20.93	20.88		
40	16QAM	1	1	20.59	20.80	20.59	21.5	1.0
40	64QAM	1	1	19.15	19.16	19.04	20.0	2.5
40	256QAM	1	1	17.09	17.19	17.05	18.0	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	21.91	21.81	21.84	0.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1755	limit	(dB)
30	QPSK	1	1	21.77	21.90	21.84	22.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	21.87	21.87	21.86	22.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	21.89	21.83	21.80	22.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	21.87	21.89	21.83	22.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	21.83	21.83	21.90	22.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	21.78	21.83	21.75	22.5	0.0



n38 Ant5 DSI1 Main PA								
BW [MHz]	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	20.83	20.98	20.85		
40	1/2 BPSK	1	53	20.81	20.85	20.77	22.0	0.0
40	1/2 BPSK	1	104	20.83	20.79	20.74		
40	1/2 BPSK	50	0	20.28	20.34	20.17	21.5	0.5
40	1/2 BPSK	50	28	20.84	20.92	20.89	22.0	0.0
40	1/2 BPSK	50	56	20.12	20.29	20.27		
40	1/2 BPSK	100	0	20.29	20.35	20.20	21.5	0.5
40	QPSK	1	1	21.02	21.03	20.98		
40	QPSK	1	53	20.73	20.82	20.66	22.0	0.0
40	QPSK	1	104	20.59	20.68	20.64		
40	QPSK	50	0	19.68	19.83	19.68	21.0	1.0
40	QPSK	50	28	20.80	20.84	20.69	22.0	0.0
40	QPSK	50	56	19.48	19.63	19.50	21.0	1.0
40	QPSK	100	0	19.66	19.78	19.63		
40	16QAM	1	1	20.62	20.71	20.66	21.0	1.0
40	64QAM	1	1	18.02	18.17	18.07	19.5	2.5
40	256QAM	1	1	16.39	16.22	16.06	17.5	4.5
Channel				517012	518000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	20.88	20.97	20.83	22.0	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	20.89	20.88	20.87	22.0	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	20.95	20.90	20.85	22.0	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	20.91	20.88	20.92	22.0	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	20.97	20.91	20.87	22.0	0.0

n41 Ant5 DSI1 Main PA								
BW [MHz]	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	20.78	20.91	20.80		
100	1/2 BPSK	1	137	20.84	20.80	20.80	22.0	0.0
100	1/2 BPSK	1	271	20.81	20.81	20.77		
100	1/2 BPSK	135	0	20.23	20.38	20.25	21.5	0.5
100	1/2 BPSK	135	69	20.91	20.99	20.89	22.0	0.0
100	1/2 BPSK	135	138	20.17	20.28	20.22		
100	1/2 BPSK	270	0	20.28	20.40	20.15	21.5	0.5
100	QPSK	1	1	21.01	21.05	21.02		
100	QPSK	1	137	20.78	20.84	20.63	22.0	0.0
100	QPSK	1	271	20.59	20.62	20.72		
100	QPSK	135	0	19.69	19.78	19.62	21.0	1.0
100	QPSK	135	69	20.93	20.88	20.96	22.0	0.0
100	QPSK	135	138	19.52	19.62	19.58	21.0	1.0
100	QPSK	270	0	19.95	19.98	19.93		
100	16QAM	1	1	20.69	20.72	20.61	21.0	1.0
100	64QAM	1	1	18.09	18.12	18.02	19.5	2.5
100	256QAM	1	1	16.14	16.16	16.12	17.5	4.5
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	20.95	20.95	20.95	22.0	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2538.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	20.90	21.02	20.90	22.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	20.98	20.93	20.95	22.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2528.02	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	20.99	20.99	20.86	22.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	20.86	20.89	20.93	22.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	20.95	21.00	20.89	22.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	20.95	20.87	20.86	22.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	20.94	20.88	20.99	0.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	20.89	20.96	20.95	22.0	0.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	20.94	20.93	20.93	22.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	20.86	20.88	20.86	22.0	0.0

n48 Part96 Ant6 DSI1 Main PA									
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				638000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	1/2 BPSK	1	1	16.26	16.32	16.20			
40	1/2 BPSK	1	53	16.31	16.30	16.20	17.2	0.0	
40	1/2 BPSK	1	104	16.32	16.31	16.25			
40	1/2 BPSK	50	0	16.20	16.35	16.23	17.2	0.0	
40	1/2 BPSK	50	28	16.31	16.32	16.22	17.2	0.0	
40	1/2 BPSK	50	56	16.18	16.22	16.14	17.2	0.0	
40	1/2 BPSK	100	0	16.23	16.29	16.17	17.2	0.0	
40	QPSK	1	1	16.32	16.40	16.34			
40	QPSK	1	53	16.27	16.37	16.26	17.2	0.0	
40	QPSK	1	104	16.24	16.32	16.21			
40	QPSK	50	0	16.32	16.34	16.33	17.2	0.0	
40	QPSK	50	28	16.36	16.39	16.31	17.2	0.0	
40	QPSK	50	56	16.24	16.35	16.31	17.2	0.0	
40	QPSK	100	0	16.22	16.34	16.32	17.2	0.0	
40	16QAM	1	1	16.29	16.31	16.13	17.2	0.0	
40	64QAM	1	1	16.29	16.29	16.18	17.2	0.0	
40	256QAM	1	1	16.31	16.35	16.24	17.2	0.0	
Channel				637668	641666	645666	Tune-up	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99	limit	(dB)	
30	QPSK	1	1	16.28	16.35	16.24	17.2	0.0	
Channel				637334	641666	646000	Tune-up	MPR	
Frequency (MHz)				3560.01	3624.99	3690	limit	(dB)	
20	QPSK	1	1	16.22	16.32	16.20	17.2	0.0	
Channel				637168	641666	646166	Tune-up	MPR	
Frequency (MHz)				3557.52	3624.99	3692.49	limit	(dB)	
15	QPSK	1	1	16.31	16.29	16.20	17.2	0.0	
Channel				637000	641666	646332	Tune-up	MPR	
Frequency (MHz)				3555	3624.99	3694.98	limit	(dB)	
10	QPSK	1	1	16.25	16.33	16.23	17.2	0.0	

Part270 n77 Ant6 DSI1 Main PA									
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	16.71	16.83	16.68			
100	1/2 BPSK	1	137	16.62	16.86	16.74	17.2	0.0	
100	1/2 BPSK	1	271	16.68	16.90	16.87			
100	1/2 BPSK	135	0	16.66	16.87	16.88	17.2	0.0	
100	1/2 BPSK	135	69	16.72	16.85	16.75	17.2	0.0	
100	1/2 BPSK	135	138	16.62	16.85	16.74	17.2	0.0	
100	1/2 BPSK	270	0	16.65	16.91	16.78			
100	QPSK	1	1	16.69	16.95	16.93			
100	QPSK	1	137	16.55	16.83	16.69	17.2	0.0	
100	QPSK	1	271	16.62	16.79	16.74			
100	QPSK	135	0	16.62	16.85	16.75	17.2	0.0	
100	QPSK	135	69	16.89	16.93	16.90	17.2	0.0	
100	QPSK	135	138	16.72	16.91	16.89	17.2	0.0	
100	QPSK	270	0	16.85	16.94	16.87			
100	16QAM	1	1	16.76	16.94	16.85	17.2	0.0	
100	64QAM	1	1	16.68	16.89	16.77	17.2	0.0	
100	256QAM	1	1	16.72	16.91	16.67	17.2	0.0	
Channel				649668	656000	662334	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	16.86	16.90	16.75	17.2	0.0	
Channel				649334	656000	662668	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	16.94	16.80	16.61	17.2	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	16.86	16.84	16.83	17.2	0.0	
Channel				648668	656000	663334	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	16.83	16.82	16.83	17.2	0.0	
Channel				648334	656000	663668	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	16.94	16.82	16.76	17.2	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	16.90	16.88	16.76	17.2	0.0	
Channel				647668	656000	664334	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	16.93	16.86	16.72	17.2	0.0	
Channel				647500	656000	664500	Tune-up	MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	16.87	16.89	16.78	17.2	0.0	
Channel				647334	656000	664668	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	16.84	16.81	16.72	17.2	0.0	
Channel				647168	656000	664834	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	16.89	16.81	16.82	17.2	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	16.90	16.81	16.79	17.2	0.0	

Part270 n77 PC2 Ant6 DSI1 Main PA									
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	19.53	19.87	19.91			
100	1/2 BPSK	1	137	19.62	19.86	19.78	20.2	0.0	
100	1/2 BPSK	1	271	19.66	19.80	19.76			
100	1/2 BPSK	135	0	19.57	19.81	19.77	20.2	0.0	
100	1/2 BPSK	135	69	19.64	19.86	19.82	20.2	0.0	
100	1/2 BPSK	135	138	19.68	19.90	19.87	20.2	0.0	
100	1/2 BPSK	270	0	19.55	19.89	19.74			
100	QPSK	1	1	19.72	19.95	19.92			
100	QPSK	1	137	19.66	19.87	19.74	20.2	0.0	
100	QPSK	1	271	19.56	19.82	19.64			
100	QPSK	135	0	19.62	19.91	19.74	20.2	0.0	
100	QPSK	135	69	19.68	19.94	19.83	20.2	0.0	
100	QPSK	135	138	19.65	19.92	19.80	20.2	0.0	
100	QPSK	270	0	19.63	19.92	19.82			
100	16QAM	1	1	19.56	19.90	19.88	20.2	0.0	
100	64QAM	1	1	19.49	19.88	19.80	20.2	0.0	
100	256QAM	1	1	19.29	19.41	19.39	20.2	0.0	
Channel				649668	656000	662334	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	19.56	19.81	19.83	20.2	0.0	
Channel				649334	656000	662668	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	19.57	19.91	19.83	20.2	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	19.55	19.90	19.79	20.2	0.0	
Channel				648668	656000	663334	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	19.55	19.81	19.82	20.2	0.0	
Channel				648334	656000	663668	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	19.51	19.85	19.82	20.2	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	19.55	19.87	19.76	20.2	0.0	
Channel				647668	656000	664334	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	19.61	19.81	19.84	20.2	0.0	
Channel				647500	656000	664500	Tune-up	MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	19.57	19.87	19.75	20.2	0.0	
Channel				647334	656000	664668	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	19.53	19.85	19.78	20.2	0.0	
Channel				647168	656000	664834	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	19.54	19.91	19.80	20.2	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	19.53	19.89	19.76	20.2	0.0	



Part27Q n77 Ant6 DSI1 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	16.86				
100	1/2 BPSK	1	137	16.86			17.2	0.0
100	1/2 BPSK	1	271	16.86				
100	1/2 BPSK	135	0	16.79			17.2	0.0
100	1/2 BPSK	135	69	16.91			17.2	0.0
100	1/2 BPSK	135	138	16.91			17.2	0.0
100	1/2 BPSK	270	0	16.86				
100	QPSK	1	1	16.97				
100	QPSK	1	137	16.89			17.2	0.0
100	QPSK	1	271	16.82				
100	QPSK	135	0	16.76			17.2	0.0
100	QPSK	135	69	16.93			17.2	0.0
100	QPSK	135	138	16.86			17.2	0.0
100	QPSK	270	0	16.94			17.2	0.0
100	16QAM	1	1	16.89			17.2	0.0
100	64QAM	1	1	16.89			17.2	0.0
100	256QAM	1	1	16.85			17.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.83	16.91	16.94	17.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.80	16.93	16.91	17.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.82	16.83	16.84	17.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.82	16.83	16.84	17.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.82	16.84	16.93	17.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.78	16.87	16.89	17.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.76	16.91	16.85	17.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.76	16.88	16.89	17.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.91	16.90	16.84	17.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.79	16.86	16.88	17.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.82	16.85	16.94	17.2	0.0

Part27Q n77 PC2 Ant6 DSI1 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	19.84				
100	1/2 BPSK	1	137	19.84			20.2	0.0
100	1/2 BPSK	1	271	19.70				
100	1/2 BPSK	135	0	19.84			20.2	0.0
100	1/2 BPSK	135	69	19.77			20.2	0.0
100	1/2 BPSK	135	138	19.83			20.2	0.0
100	1/2 BPSK	270	0	19.82				
100	QPSK	1	1	19.97				
100	QPSK	1	137	19.81			20.2	0.0
100	QPSK	1	271	19.83				
100	QPSK	135	0	19.77			20.2	0.0
100	QPSK	135	69	19.96			20.2	0.0
100	QPSK	135	138	19.77			20.2	0.0
100	QPSK	270	0	19.93			20.2	0.0
100	16QAM	1	1	19.80			20.2	0.0
100	64QAM	1	1	19.69			20.2	0.0
100	256QAM	1	1	19.45			20.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.77	19.83	19.83	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.73	19.89	19.84	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.76	19.89	19.74	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.79	19.83	19.81	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.72	19.83	19.80	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.73	19.82	19.83	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.73	19.82	19.75	20.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.71	19.87	19.78	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.76	19.80	19.81	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.79	19.81	19.79	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.79	19.82	19.82	20.2	0.0

Part270 n78 Ant6 DSI1 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	16.28				
100	1/2 BPSK	1	137	16.29			17.2	0.0
100	1/2 BPSK	1	271	16.49				
100	1/2 BPSK	135	0	16.37			17.2	0.0
100	1/2 BPSK	135	69	16.42			17.2	0.0
100	1/2 BPSK	135	138	16.40			17.2	0.0
100	1/2 BPSK	270	0	16.37				
100	QPSK	1	1	16.52				
100	QPSK	1	137	16.44			17.2	0.0
100	QPSK	1	271	16.14				
100	QPSK	135	0	16.35			17.2	0.0
100	QPSK	135	69	16.41			17.2	0.0
100	QPSK	135	138	16.34			17.2	0.0
100	QPSK	270	0	16.49			17.2	0.0
100	16QAM	1	1	16.33			17.2	0.0
100	64QAM	1	1	16.49			17.2	0.0
100	256QAM	1	1	16.41			17.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.39	16.36	16.46	17.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.41	16.44	16.43	17.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.41	16.39	16.41	17.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.39	16.31	16.44	17.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.36	16.35	16.47	17.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.38	16.43	16.44	17.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.39	16.45	16.48	17.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.35	16.42	16.49	17.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.39	16.35	16.49	17.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.45	16.36	16.44	17.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.39	16.35	16.43	17.2	0.0



Part27O n78 PC2 Ant6 DSI1 Main PA

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								
Frequency (MHz)								
3750								
100	1/2 BPSK	1	1	19.50				
100	1/2 BPSK	1	137	19.39			20.2	0.0
100	1/2 BPSK	1	271	19.39				
100	1/2 BPSK	135	0	19.49			20.2	0.0
100	1/2 BPSK	135	69	19.45			20.2	0.0
100	1/2 BPSK	135	138	19.50			20.2	0.0
100	1/2 BPSK	270	0	19.33				
100	QPSK	1	1	19.53				
100	QPSK	1	137	19.40			20.2	0.0
100	QPSK	1	271	19.28				
100	QPSK	135	0	19.27			20.2	0.0
100	QPSK	135	69	19.51			20.2	0.0
100	QPSK	135	138	19.31			20.2	0.0
100	QPSK	270	0	19.48				
100	16QAM	1	1	19.41			20.2	0.0
100	64QAM	1	1	19.33			20.2	0.0
100	256QAM	1	1	18.93			20.2	0.0
Channel								
Frequency (MHz)								
646668 650000 650334								
90	QPSK	1	1	19.51	19.49	19.45	20.2	0.0
Channel								
Frequency (MHz)								
649334 650000 650668								
80	QPSK	1	1	19.52	19.47	19.42	20.2	0.0
Channel								
Frequency (MHz)								
649000 650000 651000								
70	QPSK	1	1	19.50	19.43	19.43	20.2	0.0
Channel								
Frequency (MHz)								
648334 650000 651668								
60	QPSK	1	1	19.51	19.43	19.45	20.2	0.0
Channel								
Frequency (MHz)								
648000 650000 652000								
50	QPSK	1	1	19.51	19.43	19.46	20.2	0.0
Channel								
Frequency (MHz)								
647000 650000 652000								
40	QPSK	1	1	19.47	19.39	19.48	20.2	0.0
Channel								
Frequency (MHz)								
647668 650000 652334								
30	QPSK	1	1	19.46	19.40	19.47	20.2	0.0
Channel								
Frequency (MHz)								
647500 650000 652500								
25	QPSK	1	1	19.47	19.46	19.44	20.2	0.0
Channel								
Frequency (MHz)								
647334 650000 652668								
20	QPSK	1	1	19.50	19.47	19.47	20.2	0.0
Channel								
Frequency (MHz)								
647168 650000 652834								
15	QPSK	1	1	19.46	19.47	19.38	20.2	0.0
Channel								
Frequency (MHz)								
647000 650000 653000								
10	QPSK	1	1	19.46	19.43	19.40	20.2	0.0

Part27Q n78 Ant6 DSI1 Main PA

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								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1	16.69				
100	1/2 BPSK	1	137	16.50			17.2	0.0
100	1/2 BPSK	1	271	16.76				
100	1/2 BPSK	135	0	16.73			17.2	0.0
100	1/2 BPSK	135	69	16.62			17.2	0.0
100	1/2 BPSK	135	138	16.67			17.2	0.0
100	1/2 BPSK	270	0	16.80				
100	QPSK	1	1	16.82				
100	QPSK	1	137	16.66			17.2	0.0
100	QPSK	1	271	16.50				
100	QPSK	135	0	16.62			17.2	0.0
100	QPSK	135	69	16.76			17.2	0.0
100	QPSK	135	138	16.57			17.2	0.0
100	QPSK	270	0	16.81				
100	16QAM	1	1	16.63			17.2	0.0
100	64QAM	1	1	16.75			17.2	0.0
100	256QAM	1	1	16.80			17.2	0.0
Channel								
Frequency (MHz)								
633000 633334 633668								
90	QPSK	1	1	16.75	16.81	16.74	17.2	0.0
Channel								
Frequency (MHz)								
632668 633334 634000								
80	QPSK	1	1	16.80	16.81	16.70	17.2	0.0
Channel								
Frequency (MHz)								
632334 633334 634334								
70	QPSK	1	1	16.77	16.75	16.69	17.2	0.0
Channel								
Frequency (MHz)								
632000 633334 634668								
60	QPSK	1	1	16.73	16.77	16.63	17.2	0.0
Channel								
Frequency (MHz)								
631668 633334 635000								
50	QPSK	1	1	16.80	16.72	16.75	17.2	0.0
Channel								
Frequency (MHz)								
631334 633334 635334								
40	QPSK	1	1	16.75	16.79	16.70	17.2	0.0
Channel								
Frequency (MHz)								
631000 633334 635668								
30	QPSK	1	1	16.77	16.78	16.64	17.2	0.0
Channel								
Frequency (MHz)								
630668 633334 636000								
25	QPSK	1	1	16.80	16.78	16.68	17.2	0.0
Channel								
Frequency (MHz)								
630334 633334 636334								
20	QPSK	1	1	16.73	16.76	16.71	17.2	0.0
Channel								
Frequency (MHz)								
630000 633334 636668								
15	QPSK	1	1	16.80	16.79	16.67	17.2	0.0
Channel								
Frequency (MHz)								
629668 633334 637000								
10	QPSK	1	1	16.79	16.78	16.67	17.2	0.0

Part27Q n78 PC2 Ant6 DSI1 Main PA

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								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1	19.70				
100	1/2 BPSK	1	137	19.62			20.2	0.0
100	1/2 BPSK	1	271	19.81				
100	1/2 BPSK	135	0	19.72			20.2	0.0
100	1/2 BPSK	135	69	19.75			20.2	0.0
100	1/2 BPSK	135	138	19.68			20.2	0.0
100	1/2 BPSK	270	0	19.60				
100	QPSK	1	1	19.79				
100	QPSK	1	137	19.77			20.2	0.0
100	QPSK	1	271	19.51				
100	QPSK	135	0	19.58			20.2	0.0
100	QPSK	135	69	19.75			20.2	0.0
100	QPSK	135	138	19.62			20.2	0.0
100	QPSK	270	0	19.74				
100	16QAM	1	1	19.71			20.2	0.0
100	64QAM	1	1	19.53			20.2	0.0
100	256QAM	1	1	19.15			20.2	0.0
Channel								
Frequency (MHz)								
633000 633334 633668								
90	QPSK	1	1	19.69	19.78	19.71	20.2	0.0
Channel								
Frequency (MHz)								
632668 633334 634000								
80	QPSK	1	1	19.69	19.70	19.76	20.2	0.0
Channel								
Frequency (MHz)								
632334 633334 634334								
70	QPSK	1	1	19.74	19.74	19.71	20.2	0.0
Channel								
Frequency (MHz)								
632000 633334 634668								
60	QPSK	1	1	19.70	19.72	19.75	20.2	0.0
Channel								
Frequency (MHz)								
631668 633334 635000								
50	QPSK	1	1	19.73	19.74	19.78	20.2	0.0
Channel								
Frequency (MHz)								
631334 633334 635334								
40	QPSK	1	1	19.74	19.77	19.72	20.2	0.0
Channel								
Frequency (MHz)								
631000 633334 635668								
30	QPSK	1	1	19.73	19.76	19.77	20.2	0.0
Channel								
Frequency (MHz)								
630668 633334 636000								
25	QPSK	1	1	19.74	19.77	19.71	20.2	0.0
Channel								
Frequency (MHz)								
630334 633334 636334								
20	QPSK	1	1	19.73	19.71	19.73	20.2	0.0
Channel								
Frequency (MHz)								
630000 633334 636668								
15	QPSK	1	1	19.69	19.74	19.77	20.2	0.0
Channel								
Frequency (MHz)								
629668 633334 637000								
10	QPSK	1	1	19.78	19.77	19.78	20.2	0.0



n48 Part96 Ant7 DSI1 Main PA										
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			638000	641666	645332				
	Frequency (MHz)			3570	3624.99	3679.98				
40	1/2 BPSK	1	1	16.61	16.73	16.64				
40	1/2 BPSK	1	53	16.62	16.71	16.63	18.5	0.0		
40	1/2 BPSK	1	104	16.68	16.73	16.71				
40	1/2 BPSK	50	0	16.68	16.75	16.60	18.5	0.0		
40	1/2 BPSK	50	28	16.52	16.68	16.52	18.5	0.0		
40	1/2 BPSK	50	56	16.68	16.71	16.58	18.5	0.0		
40	1/2 BPSK	100	0	16.73	16.75	16.70				
40	QPSK	1	1	16.75	16.87	16.77				
40	QPSK	1	53	16.52	16.69	16.61	18.5	0.0		
40	QPSK	50	0	16.61	16.67	16.52	18.5	0.0		
40	QPSK	50	28	16.72	16.77	16.70	18.5	0.0		
40	QPSK	50	56	16.58	16.70	16.58	18.5	0.0		
40	QPSK	100	0	16.72	16.75	16.70				
40	16QAM	1	1	16.75	16.71	16.70	18.5	0.0		
40	64QAM	1	1	16.63	16.72	16.67	18.5	0.0		
40	256QAM	1	1	16.71	16.74	16.69	18.5	0.0		
	Channel			637668	641666	645666	Tune-up	MPR		
	Frequency (MHz)			3565.02	3624.99	3684.99	limit			
30	QPSK	1	1	16.70	16.69	16.57	18.5	0.0		
	Channel			637334	641666	646000	Tune-up	MPR		
	Frequency (MHz)			3560.01	3624.99	3690	limit			
20	QPSK	1	1	16.65	16.73	16.62	18.5	0.0		
	Channel			637168	641666	646166	Tune-up	MPR		
	Frequency (MHz)			3557.52	3624.99	3692.49	limit			
15	QPSK	1	1	16.60	16.72	16.55	18.5	0.0		
	Channel			637000	641666	646332	Tune-up	MPR		
	Frequency (MHz)			3555	3624.99	3694.98	limit			
10	QPSK	1	1	16.67	16.69	16.54	18.5	0.0		

Part270 n77 Ant7 DSI1 Main PA										
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	15.43	15.55	15.53				
100	1/2 BPSK	1	137	15.47	15.49	15.46	17.0	0.0		
100	1/2 BPSK	1	271	15.45	15.52	15.44				
100	1/2 BPSK	135	0	15.31	15.54	15.37	17.0	0.0		
100	1/2 BPSK	135	69	15.36	15.54	15.53	17.0	0.0		
100	1/2 BPSK	135	138	15.34	15.49	15.42	17.0	0.0		
100	1/2 BPSK	270	0	15.48	15.46	15.41				
100	QPSK	1	1	15.40	15.58	15.52				
100	QPSK	1	137	15.44	15.55	15.42	17.0	0.0		
100	QPSK	1	271	15.13	15.26	15.16				
100	QPSK	135	0	15.46	15.53	15.47	17.0	0.0		
100	QPSK	135	69	15.47	15.57	15.42	17.0	0.0		
100	QPSK	135	138	15.31	15.47	15.38	17.0	0.0		
100	QPSK	270	0	15.44	15.54	15.49				
100	16QAM	1	1	15.34	15.49	15.40	17.0	0.0		
100	64QAM	1	1	15.44	15.50	15.44	17.0	0.0		
100	256QAM	1	1	15.28	15.39	15.38	17.0	0.0		
	Channel			649668	656000	662334	Tune-up	MPR		
	Frequency (MHz)			3745.02	3840	3938.01	limit			
90	QPSK	1	1	15.39	15.46	15.47	17.0	0.0		
	Channel			649334	656000	662668	Tune-up	MPR		
	Frequency (MHz)			3740.01	3840	3940.02	limit			
80	QPSK	1	1	15.30	15.39	15.45	17.0	0.0		
	Channel			649000	656000	663000	Tune-up	MPR		
	Frequency (MHz)			3735	3840	3945	limit			
70	QPSK	1	1	15.29	15.46	15.48	17.0	0.0		
	Channel			648668	656000	663334	Tune-up	MPR		
	Frequency (MHz)			3730.02	3840	3950.01	limit			
60	QPSK	1	1	15.30	15.47	15.51	17.0	0.0		
	Channel			648334	656000	663668	Tune-up	MPR		
	Frequency (MHz)			3725.01	3840	3955.02	limit			
50	QPSK	1	1	15.40	15.46	15.49	17.0	0.0		
	Channel			649000	656000	664000	Tune-up	MPR		
	Frequency (MHz)			3720	3840	3960	limit			
40	QPSK	1	1	15.29	15.47	15.52	17.0	0.0		
	Channel			647668	656000	664334	Tune-up	MPR		
	Frequency (MHz)			3715.02	3840	3965.01	limit			
30	QPSK	1	1	15.30	15.46	15.49	17.0	0.0		
	Channel			647600	656000	664500	Tune-up	MPR		
	Frequency (MHz)			3712.5	3840	3967.5	limit			
25	QPSK	1	1	15.38	15.49	15.43	17.0	0.0		
	Channel			647334	656000	664668	Tune-up	MPR		
	Frequency (MHz)			3710.01	3840	3970.02	limit			
20	QPSK	1	1	15.40	15.49	15.51	17.0	0.0		
	Channel			647168	656000	664834	Tune-up	MPR		
	Frequency (MHz)			3707.52	3840	3972.51	limit			
15	QPSK	1	1	15.35	15.38	15.54	17.0	0.0		
	Channel			647000	656000	665000	Tune-up	MPR		
	Frequency (MHz)			3705	3840	3975	limit			
10	QPSK	1	1	15.30	15.37	15.52	17.0	0.0		

Part270 n77 PC2 Ant7 DSI1 Main PA										
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	18.37	18.49	18.40				
100	1/2 BPSK	1	137	18.48	18.47	18.42	20.0	0.0		
100	1/2 BPSK	1	271	18.15	18.30	18.17				
100	1/2 BPSK	135	0	18.31	18.52	18.50	20.0	0.0		
100	1/2 BPSK	135	69	18.33	18.46	18.44	20.0	0.0		
100	1/2 BPSK	135	138	18.43	18.49	18.38	20.0	0.0		
100	1/2 BPSK	270	0	18.42	18.49	18.36				
100	QPSK	1	1	18.38	18.55	18.47				
100	QPSK	1	137	18.42	18.50	18.41	20.0	0.0		
100	QPSK	1	271	18.19	18.25	18.24				
100	QPSK	135	0	18.45	18.49	18.50	20.0	0.0		
100	QPSK	135	69	18.32	18.54	18.38	20.0	0.0		
100	QPSK	135	138	18.32	18.47	18.35	20.0	0.0		
100	QPSK	270	0	18.45	18.50	18.43				
100	16QAM	1	1	18.28	18.44	18.41	20.0	0.0		
100	64QAM	1	1	18.23	18.34	18.38	20.0	0.0		
100	256QAM	1	1	18.30	18.38	18.25	20.0	0.0		
	Channel			649668	656000	662334	Tune-up	MPR		
	Frequency (MHz)			3745.02	3840	3938.01	limit			
90	QPSK	1	1	18.29	18.47	18.36	20.0	0.0		
	Channel			649334	656000	662668	Tune-up	MPR		
	Frequency (MHz)			3740.01	3840	3940.02	limit			
80	QPSK	1	1	18.21	18.50	18.36	20.0	0.0		
	Channel			649000	656000	663000	Tune-up	MPR		
	Frequency (MHz)			3735	3840	3945	limit			
70	QPSK	1	1	18.27	18.46	18.38	20.0	0.0		
	Channel			648668	656000	663334	Tune-up	MPR		
	Frequency (MHz)			3730.02	3840	3950.01	limit			
60	QPSK	1	1	18.23	18.52	18.33	20.0	0.0		
	Channel			648334	656000	663668	Tune-up	MPR		
	Frequency (MHz)			3725.01	3840	3955.02	limit			
50	QPSK	1	1	18.27	18.54	18.32	20.0	0.0		
	Channel			649000	656000	664000	Tune-up	MPR		
	Frequency (MHz)			3720	3840	3960	limit			
40	QPSK	1	1	18.21	18.53	18.37	20.0	0.0		
	Channel			647668	656000	664334	Tune-up	MPR		
	Frequency (MHz)			3715.02	3840	3965.01	limit			
30	QPSK	1	1	18.30	18.47	18.36	20.0	0.0		
	Channel			647600	656000	664500	Tune-up	MPR		
	Frequency (MHz)			3712.5	3840	3967.5	limit			
25	QPSK	1	1	18.26	18.53	18.32	20.0	0.0		
	Channel			647334	656000	664668	Tune-up	MPR		
	Frequency (MHz)			3710.01	3840	3970.02	limit			
20	QPSK	1	1	18.31	18.45	18.32	20.0	0.0		
	Channel			647168	656000	664834	Tune-up	MPR		
	Frequency (MHz)			3707.52	3840	3972.51	limit			
15	QPSK	1	1	18.30	18.52	18.37	20.0	0.0		
	Channel			647000	656000	665000	Tune-up	MPR		
	Frequency (MHz)			3705	3840	3975	limit			
10	QPSK	1	1	18.23	18.51	18.33	20.0	0.0		

Part27Q n77 Ant7 DSI1 Main PA

BW (MHz)	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	15.93				
100	1/2 BPSK	1	137	15.81			17.0	0.0
100	1/2 BPSK	1	271	15.78				
100	1/2 BPSK	135	0	15.69			17.0	0.0
100	1/2 BPSK	135	69	15.83			17.0	0.0
100	1/2 BPSK	135	138	15.84			17.0	0.0
100	1/2 BPSK	270	0	15.70				
100	QPSK	1	1	15.98				
100	QPSK	1	137	15.90			17.0	0.0
100	QPSK	1	271	15.46				
100	QPSK	135	0	15.82			17.0	0.0
100	QPSK	135	69	15.85			17.0	0.0
100	QPSK	135	138	15.79			17.0	0.0
100	QPSK	270	0	15.83				
100	16QAM	1	1	15.72			17.0	0.0
100	64QAM	1	1	15.83			17.0	0.0
100	256QAM	1	1	15.65			17.0	0.0
Channel								
Frequency (MHz)								
3495 3500.01 3505.02								
90	QPSK	1	1	15.91	15.94	15.90	17.0	0.0
Channel								
Frequency (MHz)								
3490.02 3500.01 3510								
80	QPSK	1	1	15.86	15.84	15.87	17.0	0.0
Channel								
Frequency (MHz)								
632334 633334 634334								
70	QPSK	1	1	15.87	15.85	15.88	17.0	0.0
Channel								
Frequency (MHz)								
632000 633334 634668								
60	QPSK	1	1	3480	3500.01	3520.02	limit	(dB)
Channel								
Frequency (MHz)								
631668 633334 635000								
50	QPSK	1	1	3475.02	3500.01	3525	limit	(dB)
Channel								
Frequency (MHz)								
15.93 15.83 15.86 17.0 0.0								
Channel								
Frequency (MHz)								
631334 633334 635334								
40	QPSK	1	1	15.95	15.92	15.93	17.0	0.0
Channel								
Frequency (MHz)								
631000 633334 635668								
30	QPSK	1	1	15.92	15.88	15.84	17.0	0.0
Channel								
Frequency (MHz)								
3470.01 3500.01 3530.01								
25	QPSK	1	1	3482.51	3500.01	3537.51	limit	(dB)
Channel								
Frequency (MHz)								
15.90 15.89 15.86 17.0 0.0								
Channel								
Frequency (MHz)								
630668 633334 636000								
20	QPSK	1	1	3460.02	3500.01	3540	limit	(dB)
Channel								
Frequency (MHz)								
630334 633334 636334								
15	QPSK	1	1	3455.01	3500.01	3545.01	limit	(dB)
Channel								
Frequency (MHz)								
15.88 15.91 15.93 17.0 0.0								
Channel								
Frequency (MHz)								
630334 633334 636334								
10	QPSK	1	1	15.89	15.94	15.90	17.0	0.0

Part27Q n77 PC2 Ant7 DSI1 Main PA

BW (MHz)	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	18.79				
100	1/2 BPSK	1	137	18.85			20.0	0.0
100	1/2 BPSK	1	271	18.87				
100	1/2 BPSK	135	0	18.80			20.0	0.0
100	1/2 BPSK	135	69	18.83			20.0	0.0
100	1/2 BPSK	135	138	18.88			20.0	0.0
100	1/2 BPSK	270	0	18.88				
100	QPSK	1	1	18.93				
100	QPSK	1	137	18.85			20.0	0.0
100	QPSK	1	271	18.53				
100	QPSK	135	0	18.85			20.0	0.0
100	QPSK	135	69	18.86			20.0	0.0
100	QPSK	135	138	18.77			20.0	0.0
100	QPSK	270	0	18.91				
100	16QAM	1	1	18.86			20.0	0.0
100	64QAM	1	1	18.66			20.0	0.0
100	256QAM	1	1	18.64			20.0	0.0
Channel								
Frequency (MHz)								
633000 633334 633668								
90	QPSK	1	1	18.89	18.82	18.91	20.0	0.0
Channel								
Frequency (MHz)								
3490.02 3500.01 3510								
80	QPSK	1	1	18.81	18.84	18.92	20.0	0.0
Channel								
Frequency (MHz)								
632334 633334 634334								
70	QPSK	1	1	18.85	18.79	18.91	20.0	0.0
Channel								
Frequency (MHz)								
632000 633334 634668								
60	QPSK	1	1	3480	3500.01	3520.02	limit	(dB)
Channel								
Frequency (MHz)								
631668 633334 635000								
50	QPSK	1	1	3475.02	3500.01	3525	limit	(dB)
Channel								
Frequency (MHz)								
18.81 18.75 18.82 20.0 0.0								
Channel								
Frequency (MHz)								
631334 633334 635334								
40	QPSK	1	1	18.84	18.81	18.87	20.0	0.0
Channel								
Frequency (MHz)								
631000 633334 635668								
30	QPSK	1	1	18.90	18.79	18.84	20.0	0.0
Channel								
Frequency (MHz)								
3470.01 3500.01 3530.01								
25	QPSK	1	1	3482.51	3500.01	3537.51	limit	(dB)
Channel								
Frequency (MHz)								
18.84 18.80 18.88 20.0 0.0								
Channel								
Frequency (MHz)								
630668 633334 636000								
20	QPSK	1	1	3460.02	3500.01	3540	limit	(dB)
Channel								
Frequency (MHz)								
630334 633334 636334								
15	QPSK	1	1	3455.01	3500.01	3545.01	limit	(dB)
Channel								
Frequency (MHz)								
18.87 18.79 18.89 20.0 0.0								
Channel								
Frequency (MHz)								
630334 633334 636334								
10	QPSK	1	1	18.84	18.78	18.83	20.0	0.0

Part27O n78 Ant7 DSI1 Main PA

BW (MHz)	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	15.33				
100	1/2 BPSK	1	137	15.32			17.0	0.0
100	1/2 BPSK	1	271	15.20				
100	1/2 BPSK	135	0	15.25			17.0	0.0
100	1/2 BPSK	135	69	15.24			17.0	0.0
100	1/2 BPSK	135	138	15.31			17.0	0.0
100	1/2 BPSK	270	0	15.32				
100	QPSK	1	1	15.34				
100	QPSK	1	137	15.29			17.0	0.0
100	QPSK	1	271	15.03				
100	QPSK	135	0	15.27			17.0	0.0
100	QPSK	135	69	15.32			17.0	0.0
100	QPSK	135	138	15.26			17.0	0.0
100	QPSK	270	0	15.24				
100	16QAM	1	1	15.18			17.0	0.0
100	64QAM	1	1	15.22			17.0	0.0
100	256QAM	1	1	15.26			17.0	0.0
Channel								
Frequency (MHz)								
649668 650000 650334								
90	QPSK	1	1	15.17	15.33	15.20	17.0	0.0
Channel								
Frequency (MHz)								
649334 650000 650668								
80	QPSK	1	1	15.19	15.27	15.24	17.0	0.0
Channel								
Frequency (MHz)								
649000 650000 651000								
70	QPSK	1	1	15.19	15.21	15.17	17.0	0.0
Channel								
Frequency (MHz)								
648668 650000 651334								
60	QPSK	1	1	3720	3750	3770.01	limit	(dB)
Channel								
Frequency (MHz)								
648334 650000 651668								
50	QPSK	1	1	3725.01	3750	3775.02	limit	(dB)
Channel								
Frequency (MHz)								
15.17 15.33 15.22 17.0 0.0								
Channel								
Frequency (MHz)								
648000 650000 652000								
40	QPSK	1	1	15.29	15.30	15.20	17.0	0.0
Channel								
Frequency (MHz)								
647668 650000 652334								
30	QPSK	1	1	15.21	15.32	15.19	17.0	0.0
Channel								
Frequency (MHz)								
3720 3750 3780								
25	QPSK	1	1	3712.5	3750	3787.5	limit	(dB)
Channel								
Frequency (MHz)								
15.21 15.32 15.22 17.0 0.0								
Channel								
Frequency (MHz)								
647334 650000 652668								
20	QPSK	1	1	3710.01	3750	3790.02	limit	(dB)
Channel								
Frequency (MHz)								
647000 650000 652934								
15	QPSK	1	1	3705	3750	3795	limit	(dB)
Channel								
Frequency (MHz)								
15.28 15.32 15.22 17.0 0.0								
Channel								
Frequency (MHz)								
647000 650000 653000								
10	QPSK	1	1	15.17	15.26	15.16	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								
Frequency (MHz)								
100	1/2 BPSK	1	1	18.28			20.0	0.0
100	1/2 BPSK	1	137	18.26				
100	1/2 BPSK	1	271	18.11				
100	1/2 BPSK	135	0	18.55			20.0	0.0
100	1/2 BPSK	135	69	18.33			20.0	0.0
100	1/2 BPSK	135	138	18.26			20.0	0.0
100	1/2 BPSK	270	0	18.38			20.0	0.0
100	QPSK	1	1	18.57			20.0	0.0
100	QPSK	1	137	18.49				
100	QPSK	1	271	18.47				
100	QPSK	135	0	18.41			20.0	0.0
100	QPSK	135	69	18.53			20.0	0.0
100	QPSK	135	138	18.37			20.0	0.0
100	QPSK	270	0	18.34			20.0	0.0
100	16QAM	1	1	18.22			20.0	0.0
100	64QAM	1	1	18.21			20.0	0.0
100	256QAM	1	1	18.31			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.29	18.13	18.11	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.30	18.20	18.08	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.25	18.17	18.12	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.32	18.17	18.10	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.27	18.19	18.15	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.28	18.14	18.19	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.35	18.11	18.12	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.24	18.16	18.20	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.31	18.14	18.09	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.25	18.18	18.15	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.31	18.16	18.19	20.0	0.0

Part27Q n78 Ant7 DSI1 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	15.70			17.0	0.0
100	1/2 BPSK	1	137	15.78				
100	1/2 BPSK	1	271	15.82				
100	1/2 BPSK	135	0	15.75			17.0	0.0
100	1/2 BPSK	135	69	15.61			17.0	0.0
100	1/2 BPSK	135	138	15.79			17.0	0.0
100	1/2 BPSK	270	0	15.59			17.0	0.0
100	QPSK	1	1	15.86			17.0	0.0
100	QPSK	1	137	15.87				
100	QPSK	1	271	15.83				
100	QPSK	135	0	15.83			17.0	0.0
100	QPSK	135	69	15.85			17.0	0.0
100	QPSK	135	138	15.83			17.0	0.0
100	QPSK	270	0	15.72			17.0	0.0
100	16QAM	1	1	15.71			17.0	0.0
100	64QAM	1	1	15.65			17.0	0.0
100	256QAM	1	1	15.63			17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.71	15.73	15.70	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.75	15.79	15.65	17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.73	15.74	15.67	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.74	15.79	15.74	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.73	15.70	15.67	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.73	15.68	15.68	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.74	15.75	15.69	17.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.72	15.69	15.64	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.75	15.71	15.64	17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.74	15.78	15.64	17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.69	15.78	15.66	17.0	0.0

Part27Q n78 PC2 Ant7 DSI1 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	18.63			20.0	0.0
100	1/2 BPSK	1	137	18.67				
100	1/2 BPSK	1	271	18.51				
100	1/2 BPSK	135	0	18.78			20.0	0.0
100	1/2 BPSK	135	69	18.62			20.0	0.0
100	1/2 BPSK	135	138	18.72			20.0	0.0
100	1/2 BPSK	270	0	18.65			20.0	0.0
100	QPSK	1	1	18.86			20.0	0.0
100	QPSK	1	137	18.50				
100	QPSK	1	271	18.52				
100	QPSK	135	0	18.81			20.0	0.0
100	QPSK	135	69	18.84			20.0	0.0
100	QPSK	135	138	18.59			20.0	0.0
100	QPSK	270	0	18.73			20.0	0.0
100	16QAM	1	1	18.64			20.0	0.0
100	64QAM	1	1	18.57			20.0	0.0
100	256QAM	1	1	18.75			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.72	18.72	18.79	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.63	18.76	18.74	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.70	18.64	18.72	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.79	18.76	18.79	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.78	18.65	18.74	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.78	18.65	18.74	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.63	18.73	18.68	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.73	18.69	18.76	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.77	18.70	18.78	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.80	18.70	18.76	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.77	18.67	18.74	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									
				638000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	1/2 BPSK	1	1	15.19	15.29	15.33			
40	1/2 BPSK	1	53	15.34	15.38	15.18	17.0	0.0	
40	1/2 BPSK	1	104	15.19	15.26	15.10			
40	1/2 BPSK	50	0	15.27	15.42	15.33	17.0	0.0	
40	1/2 BPSK	50	28	15.35	15.43	15.24	17.0	0.0	
40	1/2 BPSK	50	56	15.26	15.26	15.15	17.0	0.0	
40	1/2 BPSK	100	0	15.27	15.43	15.30			
40	QPSK	1	1	15.26	15.48	15.35			
40	QPSK	1	53	15.15	15.20	15.14	17.0	0.0	
40	QPSK	1	104	15.15	15.24	15.14			
40	QPSK	50	0	15.23	15.35	15.18	17.0	0.0	
40	QPSK	50	28	15.40	15.45	15.37	17.0	0.0	
40	QPSK	50	56	15.25	15.37	15.33	17.0	0.0	
40	QPSK	100	0	15.35	15.42	15.38			
40	16QAM	1	1	15.25	15.34	15.29	17.0	0.0	
40	64QAM	1	1	15.33	15.43	15.22	17.0	0.0	
40	256QAM	1	1	15.41	15.46	15.36	17.0	0.0	
Channel				637668	641666	645366	Tune-up	MPR	
Frequency (MHz)				3565.02	3624.99	3684.96	limit	(dB)	
30	QPSK	1	1	15.16	15.28	15.17	17.0	0.0	
Channel				637334	641666	646000	Tune-up	MPR	
Frequency (MHz)				3560.01	3624.99	3690	limit	(dB)	
20	QPSK	1	1	15.21	15.29	15.19	17.0	0.0	
Channel				637168	641666	646166	Tune-up	MPR	
Frequency (MHz)				3557.52	3624.99	3692.49	limit	(dB)	
15	QPSK	1	1	15.16	15.25	15.20	17.0	0.0	
Channel				637000	641666	646332	Tune-up	MPR	
Frequency (MHz)				3555	3624.99	3694.98	limit	(dB)	
10	QPSK	1	1	15.16	15.35	15.18	17.0	0.0	

Part270 n77 Ant8 DSI1 Main PA									
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	17.46	17.61	17.38			
100	1/2 BPSK	1	137	17.39	17.57	17.43	18.5	0.0	
100	1/2 BPSK	1	271	17.60	17.57	17.54			
100	1/2 BPSK	135	0	17.48	17.58	17.42	18.5	0.0	
100	1/2 BPSK	135	69	17.46	17.59	17.53	18.5	0.0	
100	1/2 BPSK	135	138	17.35	17.58	17.53	18.5	0.0	
100	1/2 BPSK	270	0	17.46	17.58	17.56			
100	QPSK	1	1	17.49	17.62	17.61			
100	QPSK	1	137	17.43	17.55	17.39	18.5	0.0	
100	QPSK	1	271	17.41	17.51	17.37			
100	QPSK	135	0	17.42	17.56	17.50	18.5	0.0	
100	QPSK	135	69	17.49	17.57	17.50	18.5	0.0	
100	QPSK	135	138	17.48	17.55	17.43	18.5	0.0	
100	QPSK	270	0	17.42	17.57	17.32			
100	16QAM	1	1	17.28	17.39	17.39	18.5	0.0	
100	64QAM	1	1	17.39	17.52	17.40	18.5	0.0	
100	256QAM	1	1	17.53	17.60	17.56	18.5	0.0	
Channel				649668	656000	662334	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	17.43	17.55	17.45	18.5	0.0	
Channel				649334	656000	662668	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	17.45	17.59	17.47	18.5	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	17.48	17.52	17.45	18.5	0.0	
Channel				648668	656000	663334	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	17.45	17.59	17.41	18.5	0.0	
Channel				648334	656000	663668	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	17.51	17.56	17.40	18.5	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	17.55	17.55	17.44	18.5	0.0	
Channel				647668	656000	664334	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	17.45	17.58	17.47	18.5	0.0	
Channel				647600	656000	664500	Tune-up	MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	17.45	17.61	17.48	18.5	0.0	
Channel				647334	656000	664668	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	17.41	17.57	17.40	18.5	0.0	
Channel				647168	656000	664834	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	17.48	17.57	17.43	18.5	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	17.51	17.59	17.44	18.5	0.0	

Part270 n77 PC2 Ant8 DSI1 Main PA									
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	20.44	20.54	20.52			
100	1/2 BPSK	1	137	20.51	20.54	20.55	21.5	0.0	
100	1/2 BPSK	1	271	20.31	20.51	20.30			
100	1/2 BPSK	135	0	20.46	20.51	20.45	21.5	0.0	
100	1/2 BPSK	135	69	20.53	20.53	20.53	21.5	0.0	
100	1/2 BPSK	135	138	20.41	20.46	20.29	21.5	0.0	
100	1/2 BPSK	270	0	20.49	20.50	20.48			
100	QPSK	1	1	20.49	20.59	20.44			
100	QPSK	1	137	20.45	20.51	20.46	21.5	0.0	
100	QPSK	1	271	20.39	20.47	20.32			
100	QPSK	135	0	20.44	20.50	20.48	21.5	0.0	
100	QPSK	135	69	20.38	20.51	20.45	21.5	0.0	
100	QPSK	135	138	20.39	20.50	20.47	21.5	0.0	
100	QPSK	270	0	20.45	20.45	20.47			
100	16QAM	1	1	20.42	20.51	20.38	21.5	0.0	
100	64QAM	1	1	20.03	20.08	19.96	21.0	0.5	
100	256QAM	1	1	18.00	18.05	17.91	19.0	2.5	
Channel				649668	656000	662334	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	20.41	20.57	20.46	21.5	0.0	
Channel				649334	656000	662668	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	20.45	20.53	20.50	21.5	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	20.47	20.48	20.51	21.5	0.0	
Channel				648668	656000	663334	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	20.40	20.53	20.54	21.5	0.0	
Channel				648334	656000	663668	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	20.39	20.50	20.48	21.5	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	20.42	20.56	20.50	21.5	0.0	
Channel				647668	656000	664334	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	20.43	20.50	20.54	21.5	0.0	
Channel				647600	656000	664500	Tune-up	MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	20.45	20.53	20.49	21.5	0.0	
Channel				647334	656000	664668	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	20.45	20.53	20.49	21.5	0.0	
Channel				647168	656000	664834	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	20.42	20.50	20.47	21.5	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	20.45	20.57	20.49	21.5	0.0	

**Part27Q n77 Ant8 DSI1 Main PA**

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								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	17.03			18.5	0.0
100	1/2 BPSK	1	137	17.05				
100	1/2 BPSK	1	271	17.05				
100	1/2 BPSK	135	0	17.00			18.5	0.0
100	1/2 BPSK	135	69	16.99			18.5	0.0
100	1/2 BPSK	135	138	16.99			18.5	0.0
100	1/2 BPSK	270	0	17.02				
100	QPSK	1	1	17.14			18.5	0.0
100	QPSK	1	137	16.93				
100	QPSK	1	271	16.92				
100	QPSK	135	0	16.98			18.5	0.0
100	QPSK	135	69	17.06			18.5	0.0
100	QPSK	135	138	17.05			18.5	0.0
100	QPSK	270	0	17.01				
100	16QAM	1	1	16.98			18.5	0.0
100	64QAM	1	1	16.98			18.5	0.0
100	256QAM	1	1	16.91			18.5	0.0
Channel								
Frequency (MHz) 633000 633334 633668								
90	QPSK	1	1	16.92	16.95	16.96	18.5	0.0
Channel								
Frequency (MHz) 3490.02 3500.01 3510								
80	QPSK	1	1	16.98	16.90	17.02	18.5	0.0
Channel								
Frequency (MHz) 632334 633334 634334								
70	QPSK	1	1	16.98	16.90	17.05	18.5	0.0
Channel								
Frequency (MHz) 632000 633334 634668								
60	QPSK	1	1	17.01	16.91	16.94	18.5	0.0
Channel								
Frequency (MHz) 631668 633334 635000								
50	QPSK	1	1	17.01	16.95	16.98	18.5	0.0
Channel								
Frequency (MHz) 631334 633334 635334								
40	QPSK	1	1	16.91	16.95	17.00	18.5	0.0
Channel								
Frequency (MHz) 631000 633334 635668								
30	QPSK	1	1	16.93	16.97	16.93	18.5	0.0
Channel								
Frequency (MHz) 3470.01 3500.01 3530.01								
25	QPSK	1	1	16.94	16.90	16.98	18.5	0.0
Channel								
Frequency (MHz) 630668 633334 636000								
20	QPSK	1	1	16.95	16.89	17.01	18.5	0.0
Channel								
Frequency (MHz) 630500 633334 636168								
15	QPSK	1	1	16.92	16.93	17.05	18.5	0.0
Channel								
Frequency (MHz) 630334 633334 636334								
10	QPSK	1	1	16.94	16.96	16.96	18.5	0.0

Part27Q n77 PC2 Ant8 DSI1 Main PA

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								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	20.02			21.5	0.0
100	1/2 BPSK	1	137	19.99				
100	1/2 BPSK	1	271	20.01				
100	1/2 BPSK	135	0	20.04			21.5	0.0
100	1/2 BPSK	135	69	19.93			21.5	0.0
100	1/2 BPSK	135	138	19.95			21.5	0.0
100	1/2 BPSK	270	0	20.04				
100	QPSK	1	1	20.07			21.5	0.0
100	QPSK	1	137	20.01				
100	QPSK	1	271	20.01				
100	QPSK	135	0	19.96			21.5	0.0
100	QPSK	135	69	20.05			21.5	0.0
100	QPSK	135	138	20.01			21.5	0.0
100	QPSK	270	0	19.93			21.5	0.0
100	16QAM	1	1	19.96			21.5	0.0
100	64QAM	1	1	19.93			21.0	0.5
100	256QAM	1	1	17.51			19.0	2.5
Channel								
Frequency (MHz) 633000 633334 633668								
90	QPSK	1	1	19.93	19.94	19.97	21.5	0.0
Channel								
Frequency (MHz) 3490.02 3500.01 3510								
80	QPSK	1	1	19.90	19.98	19.99	21.5	0.0
Channel								
Frequency (MHz) 632334 633334 634334								
70	QPSK	1	1	19.98	19.98	19.99	21.5	0.0
Channel								
Frequency (MHz) 632000 633334 634668								
60	QPSK	1	1	19.93	20.00	19.93	21.5	0.0
Channel								
Frequency (MHz) 631668 633334 635000								
50	QPSK	1	1	19.94	19.98	19.98	21.5	0.0
Channel								
Frequency (MHz) 631334 633334 635334								
40	QPSK	1	1	19.88	20.00	19.99	21.5	0.0
Channel								
Frequency (MHz) 631000 633334 635668								
30	QPSK	1	1	19.90	20.03	19.89	21.5	0.0
Channel								
Frequency (MHz) 3470.01 3500.01 3530.01								
25	QPSK	1	1	19.94	20.03	19.99	21.5	0.0
Channel								
Frequency (MHz) 630668 633334 636000								
20	QPSK	1	1	19.90	19.97	19.99	21.5	0.0
Channel								
Frequency (MHz) 630500 633334 636168								
15	QPSK	1	1	19.91	20.00	19.89	21.5	0.0
Channel								
Frequency (MHz) 630334 633334 636334								
10	QPSK	1	1	19.90	19.98	19.91	21.5	0.0

Part27O n78 Ant8 DSI1 Main PA

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								
Frequency (MHz) 3750								
100	1/2 BPSK	1	1	17.16			18.5	0.0
100	1/2 BPSK	1	137	17.06				
100	1/2 BPSK	1	271	17.19				
100	1/2 BPSK	135	0	17.04			18.5	0.0
100	1/2 BPSK	135	69	17.25			18.5	0.0
100	1/2 BPSK	135	138	17.05			18.5	0.0
100	1/2 BPSK	270	0	17.15				
100	QPSK	1	1	17.28			18.5	0.0
100	QPSK	1	137	17.12				
100	QPSK	1	271	17.17				
100	QPSK	135	0	17.10			18.5	0.0
100	QPSK	135	69	17.22			18.5	0.0
100	QPSK	135	138	17.13			18.5	0.0
100	QPSK	270	0	17.22				
100	16QAM	1	1	17.12			18.5	0.0
100	64QAM	1	1	17.19			18.5	0.0
100	256QAM	1	1	17.20			18.5	0.0
Channel								
Frequency (MHz) 649668 650000 650334								
90	QPSK	1	1	17.17	17.21	17.17	18.5	0.0
Channel								
Frequency (MHz) 649334 650000 650668								
80	QPSK	1	1	17.13	17.23	17.08	18.5	0.0
Channel								
Frequency (MHz) 649000 650000 651000								
70	QPSK	1	1	17.19	17.21	17.12	18.5	0.0
Channel								
Frequency (MHz) 648668 650000 651334								
60	QPSK	1	1	17.10	17.21	17.12	18.5	0.0
Channel								
Frequency (MHz) 648334 650000 651668								
50	QPSK	1	1	17.20	17.26	17.19	18.5	0.0
Channel								
Frequency (MHz) 648000 650000 652000								
40	QPSK	1	1	17.20	17.27	17.16	18.5	0.0
Channel								
Frequency (MHz) 647668 650000 652334								
30	QPSK	1	1	17.15	17.25	17.10	18.5	0.0
Channel								
Frequency (MHz) 647334 650000 652668								
25	QPSK	1	1	17.15	17.25	17.15	18.5	0.0
Channel								
Frequency (MHz) 647000 650000 653000								
20	QPSK	1	1	17.17	17.22	17.12	18.5	0.0
Channel								
Frequency (MHz) 646768 650000 652834								
15	QPSK	1	1	17.21	17.18	17.11	18.5	0.0
Channel								
Frequency (MHz) 646500 650000 653000								
10	QPSK	1	1	17.14	17.28	17.19	18.5	0.0



Part27O n78 PC2 Ant8 DSI1 Main PA

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation types like 1/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM.

Part27Q n78 Ant8 DSI1 Main PA

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation types like 1/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM.

Part27Q n78 PC2 Ant8 DSI1 Main PA

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation types like 1/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM.



Reduced Power SA Mode for DSI1

n5 Ant1 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
				166800	167300	167800		
				834	836.5	839		
20	1/2 BPSK	1	1	19.18	19.20	19.07		
20	1/2 BPSK	1	53	19.02	19.05	19.04	20.5	0.0
20	1/2 BPSK	1	104	18.80	19.01	18.77		
20	1/2 BPSK	50	0	18.90	19.13	18.95	20.5	0.0
20	1/2 BPSK	50	28	19.01	19.03	19.00	20.5	0.0
20	1/2 BPSK	50	56	18.75	18.90	18.83		
20	1/2 BPSK	100	0	19.04	19.13	19.04	20.5	0.0
20	QPSK	1	1	19.15	19.23	19.20		
20	QPSK	1	53	18.99	19.02	18.92	20.5	0.0
20	QPSK	1	104	18.84	18.84	18.84		
20	QPSK	50	0	18.90	19.03	18.85	20.5	0.0
20	QPSK	50	28	19.17	19.21	19.18	20.5	0.0
20	QPSK	50	56	18.94	18.82	18.82	20.5	0.0
20	QPSK	100	0	19.14	19.20	19.00		
20	16QAM	1	1	19.04	19.14	19.18	20.5	0.0
20	64QAM	1	1	19.00	19.10	19.02	20.5	0.0
20	256QAM	1	1	19.17	19.20	19.16	20.5	0.0
				166300	167300	168300	Tune-up limit (dB)	MPR
				831.5	836.5	841.5		
15	QPSK	1	1	19.13	19.20	19.20	20.5	0.0
				165800	167300	168800	Tune-up limit (dB)	MPR
				829	836.5	844		
10	QPSK	1	1	19.14	19.22	19.22	20.5	0.0
				165300	167300	169300	Tune-up limit (dB)	MPR
				828.5	836.5	845.5		
5	QPSK	1	1	19.09	19.18	19.17	20.5	0.0



Part270 n77 Ant1 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	15.29	15.55	15.34		
100	1/2 BPSK	1	137	15.16	15.52	15.47	16.0	0.0
100	1/2 BPSK	1	271	15.28	15.51	15.48		
100	1/2 BPSK	135	0	15.34	15.50	15.46		
100	1/2 BPSK	135	69	15.50	15.54	15.53	16.0	0.0
100	1/2 BPSK	135	138	15.37	15.55	15.55		
100	1/2 BPSK	270	0	15.39	15.43	15.39		
100	QPSK	1	1	15.34	15.57	15.45		
100	QPSK	1	137	15.26	15.40	15.35	16.0	0.0
100	QPSK	1	271	15.34	15.50	15.49		
100	QPSK	135	0	15.28	15.52	15.51	16.0	0.0
100	QPSK	135	69	15.22	15.53	15.48	16.0	0.0
100	QPSK	135	138	15.39	15.51	15.45		
100	QPSK	270	0	15.39	15.49	15.46		
100	16QAM	1	1	15.22	15.31	15.35	16.0	0.0
100	16QAM	1	1	15.16	15.35	15.37	16.0	0.0
100	256QAM	1	1	15.13	15.23	15.14	16.0	0.0
Channel				649668	656000	662334	Tune-up limit (dB)	MPR
Frequency (MHz)				3745.02	3840	3935.01	limit (dB)	
90	QPSK	1	1	15.20	15.52	15.49	16.0	0.0
Channel				649334	656000	662668	Tune-up MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)	
80	QPSK	1	1	15.30	15.50	15.45	16.0	0.0
Channel				649000	656000	663000	Tune-up MPR	
Frequency (MHz)				3735	3840	3945	limit (dB)	
70	QPSK	1	1	15.26	15.53	15.49	16.0	0.0
Channel				648668	656000	663334	Tune-up MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit (dB)	
60	QPSK	1	1	15.25	15.55	15.46	16.0	0.0
Channel				648334	656000	663668	Tune-up MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit (dB)	
50	QPSK	1	1	15.25	15.50	15.48	16.0	0.0
Channel				648000	656000	664000	Tune-up MPR	
Frequency (MHz)				3720	3840	3960	limit (dB)	
40	QPSK	1	1	15.29	15.53	15.44	16.0	0.0
Channel				647668	656000	664334	Tune-up MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit (dB)	
30	QPSK	1	1	15.31	15.50	15.53	16.0	0.0
Channel				647500	656000	664500	Tune-up MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit (dB)	
25	QPSK	1	1	15.24	15.54	15.50	16.0	0.0
Channel				647334	656000	664668	Tune-up MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit (dB)	
20	QPSK	1	1	15.21	15.50	15.45	16.0	0.0
Channel				647168	656000	664834	Tune-up MPR	
Frequency (MHz)				3707.52	3840	3972.51	limit (dB)	
15	QPSK	1	1	15.23	15.58	15.49	16.0	0.0
Channel				647000	656000	665000	Tune-up MPR	
Frequency (MHz)				3705	3840	3975	limit (dB)	
10	QPSK	1	1	15.28	15.53	15.46	16.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	18.28	18.42	18.34		
100	1/2 BPSK	1	137	18.42	18.57	18.51	19.0	0.0
100	1/2 BPSK	1	271	18.34	18.44	18.41		
100	1/2 BPSK	135	0	18.45	18.51	18.47	19.0	0.0
100	1/2 BPSK	135	69	18.41	18.51	18.52	19.0	0.0
100	1/2 BPSK	135	138	18.36	18.47	18.47		
100	1/2 BPSK	270	0	18.42	18.58	18.59	19.0	0.0
100	QPSK	1	1	18.59	18.61	18.52		
100	QPSK	1	137	18.40	18.58	18.51	19.0	0.0
100	QPSK	1	271	18.36	18.45	18.46		
100	QPSK	135	0	18.35	18.43	18.54	19.0	0.0
100	QPSK	135	69	18.37	18.59	18.30	19.0	0.0
100	QPSK	135	138	18.46	18.55	18.52		
100	QPSK	270	0	18.50	18.55	18.52		
100	16QAM	1	1	18.29	18.35	18.29	19.0	0.0
100	16QAM	1	1	17.45	17.54	17.59	19.0	0.0
100	256QAM	1	1	17.62	17.67	17.65	19.0	0.0
Channel				649668	656000	662334	Tune-up MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit (dB)	
90	QPSK	1	1	18.43	18.53	18.56	19.0	0.0
Channel				649334	656000	662668	Tune-up MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)	
80	QPSK	1	1	18.34	18.52	18.53	19.0	0.0
Channel				649000	656000	663000	Tune-up MPR	
Frequency (MHz)				3735	3840	3945	limit (dB)	
70	QPSK	1	1	18.43	18.58	18.55	19.0	0.0
Channel				648668	656000	663334	Tune-up MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit (dB)	
60	QPSK	1	1	18.34	18.57	18.59	19.0	0.0
Channel				648334	656000	663668	Tune-up MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit (dB)	
50	QPSK	1	1	18.35	18.60	18.59	19.0	0.0
Channel				648000	656000	664000	Tune-up MPR	
Frequency (MHz)				3720	3840	3960	limit (dB)	
40	QPSK	1	1	18.42	18.54	18.58	19.0	0.0
Channel				647668	656000	664334	Tune-up MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit (dB)	
30	QPSK	1	1	18.35	18.53	18.51	19.0	0.0
Channel				647500	656000	664500	Tune-up MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit (dB)	
25	QPSK	1	1	18.37	18.59	18.59	19.0	0.0
Channel				647334	656000	664668	Tune-up MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit (dB)	
20	QPSK	1	1	18.41	18.60	18.58	19.0	0.0
Channel				647168	656000	664834	Tune-up MPR	
Frequency (MHz)				3707.52	3840	3972.51	limit (dB)	
15	QPSK	1	1	18.41	18.58	18.59	19.0	0.0
Channel				647000	656000	665000	Tune-up MPR	
Frequency (MHz)				3705	3840	3975	limit (dB)	
10	QPSK	1	1	18.35	18.58	18.53	19.0	0.0

Part27Q n77 Ant1 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	15.28	18.42	18.34		
100	1/2 BPSK	1	137	15.16	15.52	15.47	16.0	0.0
100	1/2 BPSK	1	271	15.28	15.51	15.48		
100	1/2 BPSK	135	0	15.34	15.50	15.46		
100	1/2 BPSK	135	69	15.50	15.54	15.53	16.0	0.0
100	1/2 BPSK	135	138	15.37	15.55	15.55		
100	1/2 BPSK	270	0	15.39	15.43	15.39		
100	QPSK	1	1	15.34	15.57	15.45		
100	QPSK	1	137	15.26	15.40	15.35	16.0	0.0
100	QPSK	1	271	15.34	15.50	15.49		
100	QPSK	135	0	15.28	15.52	15.51	16.0	0.0
100	QPSK	135	69	15.22	15.53	15.48	16.0	0.0
100	QPSK	135	138	15.39	15.51	15.45		
100	QPSK	270	0	15.39	15.49	15.46		
100	16QAM	1	1	15.22	15.31	15.35	16.0	0.0
100	16QAM	1	1	15.16	15.35	15.37	16.0	0.0
100	256QAM	1	1	15.13	15.23	15.14	16.0	0.0
Channel				649668	656000	662334	Tune-up MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit (dB)	
90	QPSK	1	1	15.20	15.52	15.49	16.0	0.0
Channel				649334	656000	662668	Tune-up MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit (dB)	
80	QPSK	1	1	15.30	15.50	15.45	16.0	0.0
Channel				649000	656000	663000	Tune-up MPR	
Frequency (MHz)				3735	3840	3945	limit (dB)	
70	QPSK	1	1	15.26	15.53	15.49	16.0	0.0
Channel				648668	656000	663334	Tune-up MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit (dB)	
60	QPSK	1	1	15.25	15.55	15.46	16.0	0.0
Channel				648334	656000	663668	Tune-up MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit (dB)	
50	QPSK	1	1	15.25	15.50	15.48	16.0	0.0
Channel				648000	656000	664000	Tune-up MPR	
Frequency (MHz)				3720	3840	3960	limit (dB)	
40	QPSK	1	1	15.29	15.53	15.44	16.0	0.0
Channel				647668	656000	664334	Tune-up MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit (dB)	
30	QPSK	1	1	15.31	15.50	15.53	16.0	0.0
Channel				647500	656000	664500	Tune-up MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit (dB)	
2								



Part27Q n77 PC2 Ant1 DSI1 Main PA for ENDC

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	18.30	3500.01			
100	1/2 BPSK	1	137	18.36			19.0	0.0
100	1/2 BPSK	1	271	18.38			19.0	0.0
100	1/2 BPSK	135	0	18.40			19.0	0.0
100	1/2 BPSK	135	69	18.46			19.0	0.0
100	1/2 BPSK	135	138	18.38			19.0	0.0
100	1/2 BPSK	270	0	18.45			19.0	0.0
100	QPSK	1	1	18.49				
100	QPSK	1	137	18.37			19.0	0.0
100	QPSK	1	271	18.36			19.0	0.0
100	QPSK	135	0	18.42			19.0	0.0
100	QPSK	135	69	18.48			19.0	0.0
100	QPSK	135	138	18.47			19.0	0.0
100	QPSK	270	0	18.47			19.0	0.0
100	16QAM	1	1	18.31			19.0	0.0
100	64QAM	1	1	17.65			19.0	0.0
100	256QAM	1	1	17.48			19.0	0.0
Channel								
				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	18.33	18.37	18.31	19.0	0.0
Channel								
				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	18.29	18.36	18.39	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	18.29	18.32	18.39	19.0	0.0
Channel								
				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	18.26	18.32	18.39	19.0	0.0
Channel								
				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3473.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	18.30	18.32	18.29	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	18.30	18.29	18.32	19.0	0.0
Channel								
				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	18.31	18.38	18.37	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	18.27	18.40	18.30	19.0	0.0
Channel								
				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	18.30	18.38	18.30	19.0	0.0
Channel								
				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.65	3500.01	3542.62	limit	(dB)
15	QPSK	1	1	18.25	18.29	18.34	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	18.30	18.40	18.33	19.0	0.0

Part27O n78 Ant1 DSI1 Main PA for ENDC

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	14.99	650000			
100	1/2 BPSK	1	137	15.21			16.0	0.0
100	1/2 BPSK	1	271	14.94			16.0	0.0
100	1/2 BPSK	135	0	15.12			16.0	0.0
100	1/2 BPSK	135	69	15.00			16.0	0.0
100	1/2 BPSK	135	138	15.08			16.0	0.0
100	1/2 BPSK	270	0	15.11			16.0	0.0
100	QPSK	1	1	15.26				
100	QPSK	1	137	15.17			16.0	0.0
100	QPSK	1	271	15.09			16.0	0.0
100	QPSK	135	0	15.09			16.0	0.0
100	QPSK	135	69	15.21			16.0	0.0
100	QPSK	135	138	15.08			16.0	0.0
100	QPSK	270	0	15.13			16.0	0.0
100	16QAM	1	1	15.01			16.0	0.0
100	64QAM	1	1	14.91			16.0	0.0
100	256QAM	1	1	14.83			16.0	0.0
Channel								
				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	15.14	15.19	15.13	16.0	0.0
Channel								
				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3765.02	limit	(dB)
80	QPSK	1	1	15.19	15.18	15.15	16.0	0.0
Channel								
				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	15.11	15.21	15.10	16.0	0.0
Channel								
				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	15.17	15.15	15.12	16.0	0.0
Channel								
				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	15.11	15.20	15.19	16.0	0.0
Channel								
				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	15.18	15.20	15.11	16.0	0.0
Channel								
				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	15.15	15.18	15.21	16.0	0.0
Channel								
				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	15.10	15.20	15.12	16.0	0.0
Channel								
				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	15.11	15.23	15.21	16.0	0.0
Channel								
				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.62	3750	3792.51	limit	(dB)
15	QPSK	1	1	15.10	15.14	15.17	16.0	0.0
Channel								
				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	15.22	15.12	15.20	16.0	0.0

Part27O n78 PC2 Ant1 DSI1 Main PA for ENDC

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	17.98	650000			
100	1/2 BPSK	1	137	18.13			19.0	0.0
100	1/2 BPSK	1	271	18.08			19.0	0.0
100	1/2 BPSK	135	0	18.13			18.5	0.5
100	1/2 BPSK	135	69	18.24			19.0	0.0
100	1/2 BPSK	135	138	18.11			18.5	0.5
100	1/2 BPSK	270	0	18.17			19.0	0.0
100	QPSK	1	1	18.30				
100	QPSK	1	137	18.21			19.0	0.0
100	QPSK	1	271	18.23			19.0	0.0
100	QPSK	135	0	18.16			19.0	0.0
100	QPSK	135	69	18.20			19.0	0.0
100	QPSK	135	138	18.18			19.0	0.0
100	QPSK	270	0	18.27			19.0	0.0
100	16QAM	1	1	18.08			19.0	0.0
100	64QAM	1	1	17.27			19.0	0.0
100	256QAM	1	1	17.31			19.0	0.0
Channel								
				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	18.11	18.26	18.14	19.0	0.0
Channel								
				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3765.02	limit	(dB)
80	QPSK	1	1	18.17	18.19	18.21	19.0	0.0
Channel								
				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	18.18	18.17	18.12	19.0	0.0
Channel								
				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	18.14	18.26	18.18	19.0	0.0
Channel								
				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	18.19	18.25	18.16	19.0	0.0
Channel								
				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	18.09	18.18	18.21	19.0	0.0
Channel								
				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	18.19	18.20	18.22	19.0	0.0
Channel								
				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	18.09	18.16	18.19	19.0	0.0
Channel								
				64				



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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	15.06				
100	1/2 BPSK	1	137	15.23			16.0	0.0
100	1/2 BPSK	1	271	15.18				
100	1/2 BPSK	135	0	15.35		16.0	0.0	0.0
100	1/2 BPSK	135	69	15.16		16.0	0.0	0.0
100	1/2 BPSK	135	138	15.20		16.0	0.0	0.0
100	1/2 BPSK	270	0	15.18				
100	QPSK	1	1	15.40				
100	QPSK	1	137	15.24		16.0	0.0	0.0
100	QPSK	1	271	15.14				
100	QPSK	135	0	15.17		16.0	0.0	0.0
100	QPSK	135	69	15.38		16.0	0.0	0.0
100	QPSK	135	138	15.01		16.0	0.0	0.0
100	QPSK	270	0	15.31		16.0	0.0	0.0
100	16QAM	1	1	15.00		16.0	0.0	0.0
100	64QAM	1	1	15.00		16.0	0.0	0.0
100	256QAM	1	1	15.08		16.0	0.0	0.0
Channel 633000								
Frequency (MHz) 3495								
90	QPSK	1	1	15.20	15.19	15.20	16.0	0.0
Channel 632668								
Frequency (MHz) 3499.02								
80	QPSK	1	1	15.15	15.26	15.17	16.0	0.0
Channel 632334								
Frequency (MHz) 3485.01								
70	QPSK	1	1	15.19	15.23	15.15	16.0	0.0
Channel 632000								
Frequency (MHz) 3480								
60	QPSK	1	1	15.22	15.22	15.20	16.0	0.0
Channel 631668								
Frequency (MHz) 3475.02								
50	QPSK	1	1	15.24	15.23	15.18	16.0	0.0
Channel 631334								
Frequency (MHz) 3470.01								
40	QPSK	1	1	15.20	15.18	15.13	16.0	0.0
Channel 631000								
Frequency (MHz) 3465								
30	QPSK	1	1	15.21	15.23	15.15	16.0	0.0
Channel 630834								
Frequency (MHz) 3462.51								
25	QPSK	1	1	15.18	15.23	15.21	16.0	0.0
Channel 630668								
Frequency (MHz) 3460.02								
20	QPSK	1	1	15.24	15.25	15.12	16.0	0.0
Channel 630500								
Frequency (MHz) 3457.5								
15	QPSK	1	1	15.16	15.17	15.18	16.0	0.0
Channel 630334								
Frequency (MHz) 3455.01								
10	QPSK	1	1	15.16	15.18	15.12	16.0	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	18.09				
100	1/2 BPSK	1	137	18.21		19.0	0.0	0.0
100	1/2 BPSK	1	271	18.10				
100	1/2 BPSK	135	0	18.21		19.0	0.0	0.0
100	1/2 BPSK	135	69	18.22		19.0	0.0	0.0
100	1/2 BPSK	135	138	18.34		19.0	0.0	0.0
100	1/2 BPSK	270	0	18.32				
100	QPSK	1	1	18.39				
100	QPSK	1	137	18.37		19.0	0.0	0.0
100	QPSK	1	271	18.22				
100	QPSK	135	0	18.32		19.0	0.0	0.0
100	QPSK	135	69	18.35		19.0	0.0	0.0
100	QPSK	135	138	18.29		19.0	0.0	0.0
100	QPSK	270	0	18.38		19.0	0.0	0.0
100	16QAM	1	1	18.13		19.0	0.0	0.0
100	64QAM	1	1	17.49		19.0	0.0	0.0
100	256QAM	1	1	17.51		19.0	0.0	0.0
Channel 633000								
Frequency (MHz) 3495								
90	QPSK	1	1	18.23	18.28	18.13	19.0	0.0
Channel 632668								
Frequency (MHz) 3490.02								
80	QPSK	1	1	18.22	18.29	18.11	19.0	0.0
Channel 632334								
Frequency (MHz) 3485.01								
70	QPSK	1	1	18.31	18.25	18.18	19.0	0.0
Channel 632000								
Frequency (MHz) 3480								
60	QPSK	1	1	18.29	18.28	18.12	19.0	0.0
Channel 631668								
Frequency (MHz) 3475.02								
50	QPSK	1	1	18.24	18.29	18.21	19.0	0.0
Channel 631334								
Frequency (MHz) 3470.01								
40	QPSK	1	1	18.24	18.20	18.15	19.0	0.0
Channel 631000								
Frequency (MHz) 3465								
30	QPSK	1	1	18.32	18.28	18.17	19.0	0.0
Channel 630834								
Frequency (MHz) 3462.51								
25	QPSK	1	1	18.24	18.29	18.17	19.0	0.0
Channel 630668								
Frequency (MHz) 3460.02								
20	QPSK	1	1	18.34	18.30	18.13	19.0	0.0
Channel 630500								
Frequency (MHz) 3457.5								
15	QPSK	1	1	18.30	18.21	18.15	19.0	0.0
Channel 630334								
Frequency (MHz) 3455.01								
10	QPSK	1	1	18.22	18.21	18.11	19.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			346000	349000	352000			
	Frequency (MHz)			1730	1745	1760			
40	3/2 BPSK	1	1	15.82	15.90	15.67			
40	3/2 BPSK	1	108	15.67	15.71	15.67	17.0	0.0	
40	3/2 BPSK	1	214	15.88	15.99	15.80			
40	3/2 BPSK	108	0	15.68	15.64	15.69	17.0	0.0	
40	3/2 BPSK	108	54	15.75	15.76	15.68	17.0	0.0	
40	3/2 BPSK	108	108	15.68	15.84	15.74	17.0	0.0	
40	3/2 BPSK	216	0	15.39	15.31	15.23			
40	QPSK	1	1	15.86	16.06	15.92			
40	QPSK	1	108	15.79	15.78	15.52	17.0	0.0	
40	QPSK	1	214	15.99	16.04	15.70			
40	QPSK	108	0	15.57	15.67	15.54	17.0	0.0	
40	QPSK	108	54	15.80	15.96	15.76	17.0	0.0	
40	QPSK	108	108	15.73	15.70	15.64	17.0	0.0	
40	QPSK	216	0	15.66	15.90	15.84	17.0	0.0	
40	16QAM	1	1	15.53	15.49	15.43	17.0	0.0	
40	64QAM	1	1	15.37	15.70	15.55	17.0	0.0	
40	256QAM	1	1	15.61	15.63	15.51	17.0	0.0	
	Channel			345500	349000	352500	Tune-up	MPR	
	Frequency (MHz)			1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	15.92	15.89	15.75	17.0	0.0	
	Channel			345000	349000	353000	Tune-up	MPR	
	Frequency (MHz)			1725	1745	1765	limit	(dB)	
30	QPSK	1	1	15.94	15.99	15.69	17.0	0.0	
	Channel			344500	349000	353500	Tune-up	MPR	
	Frequency (MHz)			1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	15.93	15.98	15.76	17.0	0.0	
	Channel			344000	349000	354000	Tune-up	MPR	
	Frequency (MHz)			1720	1745	1770	limit	(dB)	
20	QPSK	1	1	15.92	15.98	15.77	17.0	0.0	
	Channel			343500	349000	354500	Tune-up	MPR	
	Frequency (MHz)			1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	15.91	15.94	15.69	17.0	0.0	
	Channel			343000	349000	355000	Tune-up	MPR	
	Frequency (MHz)			1715	1745	1775	limit	(dB)	
10	QPSK	1	1	15.90	15.99	15.71	17.0	0.0	
	Channel			342500	349000	355500	Tune-up	MPR	
	Frequency (MHz)			1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	15.86	15.99	15.75	17.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
	Channel			346000	349000	352000		
	Frequency (MHz)			1730	1745	1760		
40	3/2 BPSK	1	1	19.21	19.49	19.31		
40	3/2 BPSK	1	108	19.42	19.38	19.38	20.5	0.0
40	3/2 BPSK	1	214	19.35	19.35	19.37		
40	3/2 BPSK	108	0	19.26	19.31	19.27	20.5	0.0
40	3/2 BPSK	108	54	19.29	19.39	19.26	20.5	0.0
40	3/2 BPSK	108	108	19.34	19.47	19.32	20.5	0.0
40	3/2 BPSK	216	0	19.37	19.48	19.13		
40	QPSK	1	1	19.54	19.62	19.55		
40	QPSK	1	108	19.34	19.41	19.19	20.5	0.0
40	QPSK	1	214	19.36	19.36	19.33		
40	QPSK	108	0	19.32	19.25	19.24	20.5	0.0
40	QPSK	108	54	19.43	19.58	19.45	20.5	0.0
40	QPSK	108	108	19.24	19.16	19.21	20.5	0.0
40	QPSK	216	0	19.44	19.47	19.42	20.5	0.0
40	16QAM	1	1	19.07	19.30	19.11	20.5	0.0
40	64QAM	1	1	19.15	19.16	19.04	20.0	0.5
40	256QAM	1	1	17.09	17.19	17.08	18.0	2.5
	Channel			345500	349000	352500	Tune-up	MPR
	Frequency (MHz)			1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	19.42	19.35	19.36	22.5	0.0
	Channel			345000	349000	353000	Tune-up	MPR
	Frequency (MHz)			1725	1745	1765	limit	(dB)
30	QPSK	1	1	19.39	19.27	19.37	20.5	0.0
	Channel			344500	349000	353500	Tune-up	MPR
	Frequency (MHz)			1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	19.35	19.28	19.35	20.5	0.0
	Channel			344000	349000	354000	Tune-up	MPR
	Frequency (MHz)			1720	1745	1770	limit	(dB)
20	QPSK	1	1	19.41	19.27	19.33	20.5	0.0
	Channel			343500	349000	354500	Tune-up	MPR
	Frequency (MHz)			1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	19.43	19.26	19.38	20.5	0.0
	Channel			343000	349000	355000	Tune-up	MPR
	Frequency (MHz)			1715	1745	1775	limit	(dB)
10	QPSK	1	1	19.42	19.36	19.30	20.5	0.0
	Channel			342500	349000	355500	Tune-up	MPR
	Frequency (MHz)			1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	19.46	19.28	19.40	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)
				650000	650000	662000		
	Channel			3750	3840	3930		
	Frequency (MHz)			14.03	14.20	14.00		
100	1/2 BPSK	1	1	14.03	14.20	14.00		
100	1/2 BPSK	1	137	14.03	14.36	14.19	14.7	0.0
100	1/2 BPSK	1	271	14.16	14.27	14.28		
100	1/2 BPSK	135	0	13.97	14.27	14.28	14.7	0.0
100	1/2 BPSK	135	69	14.13	14.21	14.14	14.7	0.0
100	1/2 BPSK	135	138	13.94	14.34	14.24	14.7	0.0
100	1/2 BPSK	270	0	14.05	14.25	14.18		
100	QPSK	1	1	14.17	14.37	14.36		
100	QPSK	1	137	14.04	14.27	14.05	14.7	0.0
100	QPSK	1	271	13.99	14.16	14.10		
100	QPSK	135	0	13.98	14.23	14.04	14.7	0.0
100	QPSK	135	69	14.24	14.32	14.26	14.7	0.0
100	QPSK	135	138	14.10	14.24	14.22		
100	QPSK	270	0	14.19	14.37	14.24	14.7	0.0
100	16QAM	1	1	14.15	14.30	14.30	14.7	0.0
100	16QAM	1	1	14.12	14.20	14.09	14.7	0.0
100	256QAM	1	1	14.11	14.35	14.04	14.7	0.0
	Channel			649688	650000	652334	Tune-up limit (dB)	MPR
	Frequency (MHz)			3745.02	3840	3935.01		
90	QPSK	1	1	14.22	14.35	14.18	14.7	0.0
	Channel			649334	650000	662668	Tune-up MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit (dB)	
80	QPSK	1	1	14.26	14.25	14.20	14.7	0.0
	Channel			649000	650000	663000	Tune-up MPR	
	Frequency (MHz)			3735	3840	3945	limit (dB)	
70	QPSK	1	1	14.21	14.31	14.16	14.7	0.0
	Channel			649688	650000	653334	Tune-up MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit (dB)	
60	QPSK	1	1	14.28	14.32	14.20	14.7	0.0
	Channel			648334	650000	663668	Tune-up MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit (dB)	
50	QPSK	1	1	14.26	14.31	14.12	14.7	0.0
	Channel			648000	650000	664000	Tune-up MPR	
	Frequency (MHz)			3720	3840	3960	limit (dB)	
40	QPSK	1	1	14.29	14.32	14.13	14.7	0.0
	Channel			647668	650000	664334	Tune-up MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit (dB)	
30	QPSK	1	1	14.30	14.28	14.21	14.7	0.0
	Channel			647500	650000	664500	Tune-up MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit (dB)	
25	QPSK	1	1	14.26	14.29	14.12	14.7	0.0
	Channel			647334	650000	664668	Tune-up MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit (dB)	
20	QPSK	1	1	14.30	14.26	14.17	14.7	0.0
	Channel			647168	650000	664834	Tune-up MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit (dB)	
15	QPSK	1	1	14.29	14.27	14.18	14.7	0.0
	Channel			647000	650000	665000	Tune-up MPR	
	Frequency (MHz)			3705	3840	3975	limit (dB)	
10	QPSK	1	1	14.20	14.27	14.09	14.7	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)
				650000	650000	662000		
	Channel			3750	3840	3930		
	Frequency (MHz)			16.96	17.31	17.27		
100	1/2 BPSK	1	1	16.96	17.31	17.27	17.7	0.0
100	1/2 BPSK	1	137	17.02	17.30	17.27	17.7	0.0
100	1/2 BPSK	1	271	17.11	17.23	17.10		
100	1/2 BPSK	135	0	16.92	17.21	17.12	17.7	0.0
100	1/2 BPSK	135	69	16.98	17.25	17.22	17.7	0.0
100	1/2 BPSK	135	138	17.03	17.27	17.27	17.7	0.0
100	1/2 BPSK	270	0	16.97	17.34	17.16		
100	QPSK	1	1	17.30	17.39	17.31		
100	QPSK	1	137	17.11	17.23	17.20	17.7	0.0
100	QPSK	1	271	16.98	17.25	17.09		
100	QPSK	135	0	16.99	17.34	17.18	17.7	0.0
100	QPSK	135	69	17.14	17.36	17.21	17.7	0.0
100	QPSK	135	138	17.11	17.30	17.21		
100	QPSK	270	0	17.06	17.37	17.24	17.7	0.0
100	16QAM	1	1	16.98	17.26	17.28	17.7	0.0
100	16QAM	1	1	16.86	17.34	17.15	17.7	0.0
100	256QAM	1	1	16.72	16.78	16.78	17.7	0.0
	Channel			649688	650000	662334	Tune-up MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit (dB)	
90	QPSK	1	1	16.93	17.26	17.19	17.7	0.0
	Channel			649334	650000	662668	Tune-up MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit (dB)	
80	QPSK	1	1	16.97	17.17	17.29	17.7	0.0
	Channel			649000	650000	663000	Tune-up MPR	
	Frequency (MHz)			3735	3840	3945	limit (dB)	
70	QPSK	1	1	16.94	17.17	17.19	17.7	0.0
	Channel			649688	650000	663334	Tune-up MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit (dB)	
60	QPSK	1	1	16.97	17.23	17.22	17.7	0.0
	Channel			648334	650000	663668	Tune-up MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit (dB)	
50	QPSK	1	1	16.90	17.18	17.17	17.7	0.0
	Channel			648000	650000	664000	Tune-up MPR	
	Frequency (MHz)			3720	3840	3960	limit (dB)	
40	QPSK	1	1	16.93	17.26	17.26	17.7	0.0
	Channel			647668	650000	664334	Tune-up MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit (dB)	
30	QPSK	1	1	16.99	17.25	17.29	17.7	0.0
	Channel			647500	650000	664500	Tune-up MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit (dB)	
25	QPSK	1	1	16.92	17.27	17.18	17.7	0.0
	Channel			647334	650000	664668	Tune-up MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit (dB)	
20	QPSK	1	1	16.95	17.25	17.25	17.7	0.0
	Channel			647168	650000	664834	Tune-up MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit (dB)	
15	QPSK	1	1	16.92	17.21	17.29	17.7	0.0
	Channel			647000	650000	665000	Tune-up MPR	
	Frequency (MHz)			3705	3840	3975	limit (dB)	
10	QPSK	1	1	17.01	17.15	17.29	17.7	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)	
				650000	650000	662000			
	Channel				3500.01				
	Frequency (MHz)				14.22				
100	1/2 BPSK	1	1		14.22		14.7	0.0	
100	1/2 BPSK	1	137		14.30				
100	1/2 BPSK	1	271		14.30				
100	1/2 BPSK	135	0		14.18		14.7	0.0	
100	1/2 BPSK	135	69		14.31		14.7	0.0	
100	1/2 BPSK	135	138		14.28		14.7	0.0	
100	1/2 BPSK	270	0		14.32				
100	QPSK	1	1		14.37				
100	QPSK	1	137		14.26		14.7	0.0	
100	QPSK	1	271		14.24				
100	QPSK	135	0		14.16		14.7	0.0	
100	QPSK	135	69		14.29		14.7	0.0	
100	QPSK	135	138		14.25				
100	QPSK	270	0		14.27		14.7	0.0	
100	16QAM	1	1		14.35		14.7	0.0	
100	16QAM	1	1		14.23		14.7	0.0	
100	256QAM	1	1		14.29		14.7	0.0	
	Channel			633000	633334	633668	Tune-up MPR		
	Frequency (MHz)			3495	3500.01	3505.02	limit (dB)		
90	QPSK	1	1		14.24	14.32	14.35	14.7	0.0
	Channel			632668	633334	634000	Tune-up MPR		
	Frequency (MHz)			3490.02	3500.01	3510	limit (dB)		
80	QPSK	1	1		14.19	14.28	14.36	14.7	0.0
	Channel			632334	633334	634334	Tune-up MPR		
	Frequency (MHz)			3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1		14.28	14.30	14.36	14.7	0.0
	Channel			632000	633334	634668	Tune-up MPR		
	Frequency (MHz)			3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1		14.25	14.34	14.29	14.7	0.0
	Channel			631668	633334	635000	Tune-up MPR		
	Frequency (MHz)			3475.02	3500.01	3525	limit (dB)		
50	QPSK	1	1		14.21	14.32	14.29	14.7	0.0
	Channel			631334	633334	635334	Tune-up MPR		
	Frequency (MHz)			3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1		14.17	14.33	14.36	14.7	0.0
	Channel			631000	633334	635668	Tune-up MPR		
	Frequency (MHz)			3465	3500.01	3533.02	limit (dB)		
30	QPSK	1	1		14.28	14.29	14.29	14.7	0.0
	Channel			630834	633334	635834	Tune-up MPR		
	Frequency (MHz)			3462.51	3500.01	3537.51	limit (dB)		
25	QPSK	1	1		14.27	14.28	14.33	14.7	0.0
	Channel			630668	633334	636000	Tune-up MPR		
	Frequency (MHz)			3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1		14.26	14.27	14.36	14.7	0.0
	Channel			630500	633334	636168	Tune-up MPR		
	Frequency (MHz)			3457.5	3500.01	3542.52	limit (dB)		
15	QPSK	1	1		14.21	14.27	14.30	14.7	0.0
	Channel			630334	633334	636334	Tune-up MPR		
	Frequency (MHz)			3455.01	3500.01	3545.01	limit (dB)		
10	QPSK	1	1		14.27	14.33	14.28	14.7	0.0



Part27Q n77 PC2 Ant6 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100	1/2 BPSK	1	1	17.30	13.68	13.68	17.7	0.0
100	1/2 BPSK	1	137	17.30	13.67	13.67	17.7	0.0
100	1/2 BPSK	1	271	17.10	13.85	13.85	17.7	0.0
100	1/2 BPSK	135	0	17.29	13.76	14.7	0.0	0.0
100	1/2 BPSK	135	69	17.20	13.84	14.7	0.0	0.0
100	1/2 BPSK	135	138	17.21	13.75	14.7	0.0	0.0
100	1/2 BPSK	270	0	17.20	13.72	14.7	0.0	0.0
100	QPSK	1	1	17.12	13.92	13.92	17.7	0.0
100	QPSK	1	137	17.24	13.82	14.7	0.0	0.0
100	QPSK	1	271	17.06	13.57	13.57	17.7	0.0
100	QPSK	135	0	17.14	13.77	14.7	0.0	0.0
100	QPSK	135	69	17.33	13.82	14.7	0.0	0.0
100	QPSK	135	138	17.12	13.77	14.7	0.0	0.0
100	QPSK	270	0	17.22	13.88	14.7	0.0	0.0
100	16QAM	1	1	17.17	13.77	14.7	0.0	0.0
100	64QAM	1	1	17.13	13.82	14.7	0.0	0.0
100	256QAM	1	1	16.90	13.77	14.7	0.0	0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	limit (dB)	limit (dB)
90	QPSK	1	1	17.20	17.18	17.19	17.7	0.0
Channel				632668	633334	634000	Tune-up MPR	
Frequency (MHz)				3480.02	3500.01	3510	limit (dB)	
80	QPSK	1	1	17.21	17.26	17.26	17.7	0.0
Channel				632334	633334	634334	Tune-up MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	
70	QPSK	1	1	17.23	17.21	17.19	17.7	0.0
Channel				632000	633334	634668	Tune-up MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	
60	QPSK	1	1	17.18	17.21	17.23	17.7	0.0
Channel				631668	633334	635000	Tune-up MPR	
Frequency (MHz)				3476.02	3500.01	3525	limit (dB)	
50	QPSK	1	1	17.11	17.23	17.19	17.7	0.0
Channel				631334	633334	635334	Tune-up MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)	
40	QPSK	1	1	17.20	17.23	17.25	17.7	0.0
Channel				631000	633334	635668	Tune-up MPR	
Frequency (MHz)				3465	3500.01	3535.02	limit (dB)	
30	QPSK	1	1	17.13	17.29	17.26	17.7	0.0
Channel				630834	633334	635834	Tune-up MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dB)	
25	QPSK	1	1	17.22	17.25	17.23	17.7	0.0
Channel				630568	633334	636000	Tune-up MPR	
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)	
20	QPSK	1	1	17.17	17.23	17.28	17.7	0.0
Channel				630500	633334	636168	Tune-up MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	limit (dB)	
15	QPSK	1	1	17.12	17.22	17.19	17.7	0.0
Channel				630334	633334	636334	Tune-up MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dB)	
10	QPSK	1	1	17.20	17.21	17.22	17.7	0.0

Part27O n78 Ant6 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100	1/2 BPSK	1	1	13.88	13.68	13.68	14.7	0.0
100	1/2 BPSK	1	137	13.67	13.67	13.67	14.7	0.0
100	1/2 BPSK	1	271	13.85	13.85	13.85	14.7	0.0
100	1/2 BPSK	135	0	13.76	14.7	0.0	0.0	0.0
100	1/2 BPSK	135	69	13.84	14.7	0.0	0.0	0.0
100	1/2 BPSK	135	138	13.75	14.7	0.0	0.0	0.0
100	1/2 BPSK	270	0	13.72	14.7	0.0	0.0	0.0
100	QPSK	1	1	13.92	13.92	13.92	17.7	0.0
100	QPSK	1	137	13.82	14.7	0.0	0.0	0.0
100	QPSK	1	271	13.57	13.57	13.57	17.7	0.0
100	QPSK	135	0	13.77	14.7	0.0	0.0	0.0
100	QPSK	135	69	13.82	14.7	0.0	0.0	0.0
100	QPSK	135	138	13.77	14.7	0.0	0.0	0.0
100	QPSK	270	0	13.88	14.7	0.0	0.0	0.0
100	16QAM	1	1	13.77	14.7	0.0	0.0	0.0
100	64QAM	1	1	13.82	14.7	0.0	0.0	0.0
100	256QAM	1	1	13.77	14.7	0.0	0.0	0.0
Channel				649668	650000	650334	Tune-up MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)	
90	QPSK	1	1	13.77	13.77	13.83	14.7	0.0
Channel				649334	650000	650668	Tune-up MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)	
80	QPSK	1	1	13.79	13.76	13.86	14.7	0.0
Channel				649000	650000	651000	Tune-up MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)	
70	QPSK	1	1	13.84	13.82	13.85	14.7	0.0
Channel				648668	650000	651334	Tune-up MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)	
60	QPSK	1	1	13.79	13.75	13.82	14.7	0.0
Channel				648334	650000	651668	Tune-up MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)	
50	QPSK	1	1	13.74	13.74	13.88	14.7	0.0
Channel				648000	650000	652000	Tune-up MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)	
40	QPSK	1	1	13.77	13.70	13.87	14.7	0.0
Channel				647668	650000	652334	Tune-up MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)	
30	QPSK	1	1	13.79	13.75	13.83	14.7	0.0
Channel				647500	650000	652500	Tune-up MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)	
25	QPSK	1	1	13.74	13.77	13.91	14.7	0.0
Channel				647334	650000	652668	Tune-up MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)	
20	QPSK	1	1	13.84	13.71	13.84	14.7	0.0
Channel				647168	650000	652834	Tune-up MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit (dB)	
15	QPSK	1	1	13.77	13.75	13.89	14.7	0.0
Channel				647000	650000	653000	Tune-up MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)	
10	QPSK	1	1	13.81	13.71	13.88	14.7	0.0

Part27O n78 PC2 Ant6 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100	1/2 BPSK	1	1	16.85	16.85	16.85	17.7	0.0
100	1/2 BPSK	1	137	16.75	16.75	16.75	17.7	0.0
100	1/2 BPSK	1	271	16.73	16.73	16.73	17.7	0.0
100	1/2 BPSK	135	0	16.86	16.86	16.86	17.7	0.0
100	1/2 BPSK	135	69	16.86	16.86	16.86	17.7	0.0
100	1/2 BPSK	135	138	16.86	16.86	16.86	17.7	0.0
100	1/2 BPSK	270	0	16.74	16.74	16.74	17.7	0.0
100	QPSK	1	1	16.90	16.90	16.90	17.7	0.0
100	QPSK	1	137	16.83	16.83	16.83	17.7	0.0
100	QPSK	1	271	16.65	16.65	16.65	17.7	0.0
100	QPSK	135	0	16.64	16.64	16.64	17.7	0.0
100	QPSK	135	69	16.87	16.87	16.87	17.7	0.0
100	QPSK	135	138	16.76	16.76	16.76	17.7	0.0
100	QPSK	270	0	16.83	16.83	16.83	17.7	0.0
100	16QAM	1	1	16.82	16.82	16.82	17.7	0.0
100	64QAM	1	1	16.72	16.72	16.72	17.7	0.0
100	256QAM	1	1	16.28	16.28	16.28	17.7	0.0
Channel				649668	650000	650334	Tune-up MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit (dB)	
90	QPSK	1	1	16.85	16.86	16.81	17.7	0.0
Channel				649334	650000	650668	Tune-up MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)	
80	QPSK	1	1	16.81	16.87	16.81	17.7	0.0
Channel				649000	650000	651000	Tune-up MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)	
70	QPSK	1	1	16.87	16.83	16.89	17.7	0.0
Channel				648668	650000	651334	Tune-up MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)	
60	QPSK	1	1	16.83	16.88	16.89	17.7	0.0
Channel				648334	650000	651668	Tune-up MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)	
50	QPSK	1	1	16.87	16.82	16.88	17.7	0.0
Channel				648000	650000	652000	Tune-up MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)	
40	QPSK	1	1	16.87	16.89	16.88	17.7	0.0
Channel				647668	650000	652334	Tune-up MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit (dB)	
30	QPSK	1	1	16.88	16.85	16.84	17.7	0.0
Channel				647500	650000	652500	Tune-up MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)	
25	QPSK	1	1	16.80	16.86	16.88	17.7	0.0
Channel				647334	650000	652668	Tune-up MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)	
20	QPSK	1	1	16.86	16.86	16.85	17.7	0.0
Channel				647168	650000	652834	Tune-up MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit (dB)	
15	QPSK	1	1	16.83	16.82	16.87	17.7	0.0
Channel				647000	650000	653000	Tune-up MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)	
10	QPSK	1	1	16.89	16.83	16.84	17.7	0.0



Part27Q n78 Ant6 DSI1 Main PA for ENDC

BW [MHz]	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	14.03			14.7	0.0
100	1/2 BPSK	1	137	13.91			14.7	0.0
100	1/2 BPSK	1	271	14.13			14.7	0.0
100	1/2 BPSK	135	0	14.10			14.7	0.0
100	1/2 BPSK	135	69	13.98			14.7	0.0
100	1/2 BPSK	135	138	14.05			14.7	0.0
100	1/2 BPSK	270	0	14.24			14.7	0.0
100	QPSK	1	1	14.22			14.7	0.0
100	QPSK	1	137	14.10			14.7	0.0
100	QPSK	1	271	13.89			14.7	0.0
100	QPSK	135	0	14.04			14.7	0.0
100	QPSK	135	69	14.11			14.7	0.0
100	QPSK	135	138	13.96			14.7	0.0
100	QPSK	270	0	14.26			14.7	0.0
100	16QAM	1	1	13.99			14.7	0.0
100	64QAM	1	1	14.15			14.7	0.0
100	256QAM	1	1	14.22			14.7	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	14.17	14.20	14.18	14.7	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	14.13	14.23	14.16	14.7	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	14.12	14.19	14.20	14.7	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	14.12	14.16	14.19	14.7	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	14.18	14.22	14.17	14.7	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	14.16	14.19	14.13	14.7	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	14.10	14.18	14.08	14.7	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	14.13	14.25	14.16	14.7	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	14.11	14.23	14.18	14.7	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	14.13	14.19	14.14	14.7	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	14.11	14.24	14.11	14.7	0.0

Part27Q n78 PC2 Ant6 DSI1 Main PA for ENDC

BW [MHz]	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	17.09			17.7	0.0
100	1/2 BPSK	1	137	16.98			17.7	0.0
100	1/2 BPSK	1	271	17.05			17.7	0.0
100	1/2 BPSK	135	0	17.14			17.7	0.0
100	1/2 BPSK	135	69	17.14			17.7	0.0
100	1/2 BPSK	135	138	17.04			17.7	0.0
100	1/2 BPSK	270	0	17.01			17.7	0.0
100	QPSK	1	1	17.27			17.7	0.0
100	QPSK	1	137	17.22			17.7	0.0
100	QPSK	1	271	16.90			17.7	0.0
100	QPSK	135	0	16.99			17.7	0.0
100	QPSK	135	69	17.09			17.7	0.0
100	QPSK	135	138	17.00			17.7	0.0
100	QPSK	270	0	17.19			17.7	0.0
100	16QAM	1	1	17.17			17.7	0.0
100	64QAM	1	1	16.97			17.7	0.0
100	256QAM	1	1	16.50			17.7	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	17.08	17.15	17.16	17.7	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	17.13	17.17	17.08	17.7	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	17.11	17.17	17.16	17.7	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	17.09	17.21	17.17	17.7	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	17.09	17.24	17.17	17.7	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	17.13	17.09	17.7	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	17.04	17.17	17.10	17.7	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	17.13	17.22	17.07	17.7	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	17.04	17.21	17.11	17.7	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	17.05	17.14	17.13	17.7	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	17.04	17.17	17.06	17.7	0.0



Part27Q n78 Ant7 DSI1 Main PA for ENDC

BW [MHz]	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	13.68	13.68	13.68	15.0	0.0
100	1/2 BPSK	1	137	13.83	13.68	13.68	15.0	0.0
100	1/2 BPSK	1	271	13.70	13.68	13.68	15.0	0.0
100	1/2 BPSK	135	0	13.70	13.62	13.62	15.0	0.0
100	1/2 BPSK	135	69	13.62	13.62	13.62	15.0	0.0
100	1/2 BPSK	135	138	13.81	13.62	13.62	15.0	0.0
100	1/2 BPSK	270	0	13.53	13.62	13.62	15.0	0.0
100	QPSK	1	1	13.71	13.62	13.62	15.0	0.0
100	QPSK	1	137	13.70	13.62	13.62	15.0	0.0
100	QPSK	1	271	13.49	13.62	13.62	15.0	0.0
100	QPSK	135	0	13.83	13.62	13.62	15.0	0.0
100	QPSK	135	69	13.86	13.62	13.62	15.0	0.0
100	QPSK	135	138	13.82	13.62	13.62	15.0	0.0
100	QPSK	270	0	13.71	13.62	13.62	15.0	0.0
100	16QAM	1	1	13.77	13.62	13.62	15.0	0.0
100	64QAM	1	1	13.60	13.62	13.62	15.0	0.0
100	256QAM	1	1	13.62	13.62	13.62	15.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	13.75	13.74	13.64	15.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	13.73	13.77	13.73	15.0	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	13.67	13.70	13.67	15.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	13.66	13.78	13.71	15.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	13.85	13.71	13.68	15.0	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	13.73	13.77	13.74	15.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	13.85	13.76	13.74	15.0	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	13.65	13.78	13.69	15.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	13.74	13.69	13.74	15.0	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	13.85	13.72	13.75	15.0	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	13.67	13.73	13.65	15.0	0.0

Part27Q n78 PC2 Ant7 DSI1 Main PA for ENDC

BW [MHz]	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	16.63	16.63	16.63	18.0	0.0
100	1/2 BPSK	1	137	16.71	16.63	16.63	18.0	0.0
100	1/2 BPSK	1	271	16.45	16.63	16.63	18.0	0.0
100	1/2 BPSK	135	0	16.80	16.68	16.68	18.0	0.0
100	1/2 BPSK	135	69	16.68	16.68	16.68	18.0	0.0
100	1/2 BPSK	135	138	16.75	16.68	16.68	18.0	0.0
100	1/2 BPSK	270	0	16.70	16.68	16.68	18.0	0.0
100	QPSK	1	1	16.87	16.68	16.68	18.0	0.0
100	QPSK	1	137	16.47	16.68	16.68	18.0	0.0
100	QPSK	1	271	16.54	16.68	16.68	18.0	0.0
100	QPSK	135	0	16.85	16.68	16.68	18.0	0.0
100	QPSK	135	69	16.86	16.68	16.68	18.0	0.0
100	QPSK	135	138	16.55	16.68	16.68	18.0	0.0
100	QPSK	270	0	16.78	16.68	16.68	18.0	0.0
100	16QAM	1	1	16.59	16.68	16.68	18.0	0.0
100	64QAM	1	1	16.56	16.68	16.68	18.0	0.0
100	256QAM	1	1	16.79	16.68	16.68	18.0	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	16.73	16.71	16.78	18.0	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	16.73	16.69	16.83	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	16.73	16.75	16.80	18.0	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	16.73	16.70	16.75	18.0	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	16.72	16.77	16.85	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	16.73	16.69	16.73	18.0	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	16.71	16.70	16.74	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	16.76	16.66	16.75	18.0	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	16.72	16.72	16.78	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	16.72	16.72	16.77	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	16.74	16.76	16.77	18.0	0.0



Part270 n77 Ant8 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
100	1/2 BPSK	1	1	15.51	15.51	15.34	16.5	0.0
100	1/2 BPSK	1	137	15.43	15.56	15.39		
100	1/2 BPSK	1	271	15.50	15.51	15.52	16.5	0.0
100	1/2 BPSK	135	0	15.46	15.52	15.42		
100	1/2 BPSK	135	69	15.46	15.50	15.52	16.5	0.0
100	1/2 BPSK	135	138	15.36	15.54	15.51		
100	1/2 BPSK	270	0	15.43	15.53	15.54	16.5	0.0
100	QPSK	1	1	15.52	15.57	15.54		
100	QPSK	1	137	15.38	15.49	15.33	16.5	0.0
100	QPSK	1	271	15.46	15.52	15.38		
100	QPSK	135	0	15.36	15.53	15.44	16.5	0.0
100	QPSK	135	69	15.49	15.55	15.50		
100	QPSK	135	138	15.46	15.49	15.38	16.5	0.0
100	QPSK	270	0	15.39	15.53	15.36		
100	16QAM	1	1	15.29	15.42	15.39	16.5	0.0
100	16QAM	1	1	15.42	15.56	15.40		
100	256QAM	1	1	15.50	15.55	15.51	16.5	0.0
90	QPSK	1	1	15.48	15.50	15.51		
80	QPSK	1	1	15.44	15.53	15.50	16.5	0.0
70	QPSK	1	1	15.40	15.50	15.45		
60	QPSK	1	1	15.37	15.52	15.47	16.5	0.0
50	QPSK	1	1	15.33	15.50	15.50		
40	QPSK	1	1	15.46	15.49	15.42	16.5	0.0
30	QPSK	1	1	15.38	15.52	15.41		
25	QPSK	1	1	15.47	15.51	15.44	16.5	0.0
20	QPSK	1	1	15.40	15.56	15.41		
15	QPSK	1	1	15.39	15.50	15.49	16.5	0.0
10	QPSK	1	1	15.39	15.55	15.42		

Part270 n77 PC2 Ant8 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
100	1/2 BPSK	1	1	18.41	18.58	18.54	19.5	0.0
100	1/2 BPSK	1	137	18.50	18.51	18.57		
100	1/2 BPSK	1	271	18.30	18.54	18.33	19.5	0.0
100	1/2 BPSK	135	0	18.43	18.48	18.44		
100	1/2 BPSK	135	69	18.48	18.52	18.57	19.5	0.0
100	1/2 BPSK	135	138	18.38	18.47	18.29		
100	1/2 BPSK	270	0	18.44	18.49	18.53	19.5	0.0
100	QPSK	1	1	18.53	18.62	18.49		
100	QPSK	1	137	18.42	18.47	18.46	19.5	0.0
100	QPSK	1	271	18.43	18.42	18.35		
100	QPSK	135	0	18.49	18.50	18.49	19.5	0.0
100	QPSK	135	69	18.39	18.54	18.43		
100	QPSK	135	138	18.43	18.51	18.46	19.5	0.0
100	QPSK	270	0	18.46	18.49	18.47		
100	16QAM	1	1	18.48	18.47	18.39	19.5	0.0
100	16QAM	1	1	18.50	18.58	18.52		
100	256QAM	1	1	18.00	18.05	17.91	19.0	0.5
90	QPSK	1	1	18.39	18.55	18.47		
80	QPSK	1	1	18.45	18.58	18.50	19.5	0.0
70	QPSK	1	1	18.45	18.56	18.42		
60	QPSK	1	1	18.35	18.52	18.45	19.5	0.0
50	QPSK	1	1	18.44	18.52	18.51		
40	QPSK	1	1	18.45	18.56	18.45	19.5	0.0
30	QPSK	1	1	18.35	18.57	18.40		
25	QPSK	1	1	18.36	18.61	18.44	19.5	0.0
20	QPSK	1	1	18.40	18.59	18.47		
15	QPSK	1	1	18.39	18.58	18.51	19.5	0.0
10	QPSK	1	1	18.44	18.57	18.45		

Part27Q n77 Ant8 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
100	1/2 BPSK	1	1	3500.01			15.08	0.0
100	1/2 BPSK	1	137	3500.01				
100	1/2 BPSK	1	271	3500.01			15.02	0.0
100	1/2 BPSK	135	0	3500.01				
100	1/2 BPSK	135	69	3500.01			15.03	0.0
100	1/2 BPSK	135	138	3500.01				
100	1/2 BPSK	270	0	3500.01			15.06	0.0
100	QPSK	1	1	3500.01				
100	QPSK	1	137	3500.01			14.88	0.0
100	QPSK	1	271	3500.01				
100	QPSK	135	0	3500.01			14.96	0.0
100	QPSK	135	69	3500.01				
100	QPSK	135	138	3500.01			15.05	0.0
100	QPSK	270	0	3500.01				
100	16QAM	1	1	3500.01			14.94	0.0
100	16QAM	1	1	3500.01				
100	256QAM	1	1	3500.01			14.86	0.0
90	QPSK	1	1	3500.01				
80	QPSK	1	1	3500.01			14.92	0.0
70	QPSK	1	1	3500.01				
60	QPSK	1	1	3500.01			14.96	0.0
50	QPSK	1	1	3500.01				
40	QPSK	1	1	3500.01			14.97	0.0
30	QPSK	1	1	3500.01				
25	QPSK	1	1	3500.01			14.91	0.0
20	QPSK	1	1	3500.01				
15	QPSK	1	1	3500.01			15.01	0.0
10	QPSK	1	1	3500.01				



Part27Q n78 Ant8 DSI1 Main PA for ENDC

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	15.00				
100	1/2 BPSK	1	137	14.97			16.5	0.0
100	1/2 BPSK	1	271	15.01				
100	1/2 BPSK	135	0	15.05			16.5	0.0
100	1/2 BPSK	135	69	14.96			16.5	0.0
100	1/2 BPSK	135	138	15.02			16.5	0.0
100	1/2 BPSK	270	0	14.93			16.5	0.0
100	QPSK	1	1	15.07				
100	QPSK	1	137	14.96			16.5	0.0
100	QPSK	1	271	15.03				
100	QPSK	135	0	14.96			16.5	0.0
100	QPSK	135	69	15.02			16.5	0.0
100	QPSK	135	138	14.99			16.5	0.0
100	QPSK	270	0	14.90			16.5	0.0
100	16QAM	1	1	14.93			16.5	0.0
100	64QAM	1	1	14.89			16.5	0.0
100	256QAM	1	1	14.87			16.5	0.0
Channel 633000								
Frequency (MHz) 3495								
90	QPSK	1	1	14.94	14.99	14.97	16.5	0.0
Channel 632668								
Frequency (MHz) 3499.02								
80	QPSK	1	1	14.96	14.96	14.95	16.5	0.0
Channel 632334								
Frequency (MHz) 3485.01								
70	QPSK	1	1	14.94	14.94	14.95	16.5	0.0
Channel 632000								
Frequency (MHz) 3480								
60	QPSK	1	1	14.90	15.02	14.96	16.5	0.0
Channel 631668								
Frequency (MHz) 3475.02								
50	QPSK	1	1	14.94	14.97	15.01	16.5	0.0
Channel 631334								
Frequency (MHz) 3470.01								
40	QPSK	1	1	14.90	14.97	14.97	16.5	0.0
Channel 631000								
Frequency (MHz) 3465								
30	QPSK	1	1	14.98	15.00	14.99	16.5	0.0
Channel 630834								
Frequency (MHz) 3462.51								
25	QPSK	1	1	14.90	15.01	14.96	16.5	0.0
Channel 630668								
Frequency (MHz) 3460.02								
20	QPSK	1	1	14.90	14.94	15.04	16.5	0.0
Channel 630500								
Frequency (MHz) 3457.5								
15	QPSK	1	1	14.97	14.99	14.98	16.5	0.0
Channel 630334								
Frequency (MHz) 3455.01								
10	QPSK	1	1	14.96	14.92	15.01	16.5	0.0

Part27Q n78 PC2 Ant8 DSI1 Main PA for ENDC

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	17.96				
100	1/2 BPSK	1	137	17.94			19.5	0.0
100	1/2 BPSK	1	271	18.00				
100	1/2 BPSK	135	0	18.00			19.5	0.0
100	1/2 BPSK	135	69	17.78			19.5	0.0
100	1/2 BPSK	135	138	17.98			19.5	0.0
100	1/2 BPSK	270	0	18.03			19.5	0.0
100	QPSK	1	1	18.07				
100	QPSK	1	137	18.01			19.5	0.0
100	QPSK	1	271	18.04				
100	QPSK	135	0	17.99			19.5	0.0
100	QPSK	135	69	18.06			19.5	0.0
100	QPSK	135	138	17.97			19.5	0.0
100	QPSK	270	0	17.94			19.5	0.0
100	16QAM	1	1	18.02			19.5	0.0
100	64QAM	1	1	18.00			19.5	0.0
100	256QAM	1	1	17.51			19.0	0.5
Channel 633000								
Frequency (MHz) 3495								
90	QPSK	1	1	17.91	17.85	17.96	19.5	0.0
Channel 632668								
Frequency (MHz) 3490.02								
80	QPSK	1	1	17.92	17.87	17.94	19.5	0.0
Channel 632334								
Frequency (MHz) 3485.01								
70	QPSK	1	1	17.98	17.90	17.94	19.5	0.0
Channel 632000								
Frequency (MHz) 3480								
60	QPSK	1	1	17.94	17.84	17.93	19.5	0.0
Channel 631668								
Frequency (MHz) 3475.02								
50	QPSK	1	1	17.95	17.91	17.89	19.5	0.0
Channel 631334								
Frequency (MHz) 3470.01								
40	QPSK	1	1	17.93	17.82	17.89	19.5	0.0
Channel 631000								
Frequency (MHz) 3465								
30	QPSK	1	1	17.95	17.83	17.88	19.5	0.0
Channel 630834								
Frequency (MHz) 3462.51								
25	QPSK	1	1	17.91	17.86	17.86	19.5	0.0
Channel 630668								
Frequency (MHz) 3460.02								
20	QPSK	1	1	17.87	17.81	17.95	19.5	0.0
Channel 630500								
Frequency (MHz) 3457.5								
15	QPSK	1	1	17.87	17.81	17.92	19.5	0.0
Channel 630334								
Frequency (MHz) 3455.01								
10	QPSK	1	1	17.94	17.88	17.94	19.5	0.0



Reduced Power SA Mode for DSI3

n5 Ant0 DSI3 Main PA									
BW [MHz]	Modulation	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	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	24.39	24.42	24.37			
20	1/2 BPSK	1	53	24.25	24.28	24.13	25.5	0.0	
20	1/2 BPSK	1	104	24.02	24.19	24.03			
20	1/2 BPSK	50	0	23.67	23.77	23.06	25.0	0.5	
20	1/2 BPSK	50	28	23.08	24.14	23.07	25.5	0.0	
20	1/2 BPSK	50	56	23.52	23.65	23.58	25.0	0.5	
20	1/2 BPSK	100	0	23.67	23.83	23.88			
20	QPSK	1	1	24.43	24.45	24.41			
20	QPSK	1	53	24.30	24.33	24.29	25.5	0.0	
20	QPSK	1	104	24.18	24.27	24.14			
20	QPSK	50	0	23.10	23.22	23.08	24.5	1.0	
20	QPSK	50	28	24.26	24.37	24.25	25.5	0.0	
20	QPSK	50	56	23.07	23.14	22.99	24.5	1.0	
20	QPSK	100	0	23.37	23.39	23.23			
20	16QAM	1	1	23.30	23.36	23.30	24.5	1.0	
20	64QAM	1	1	21.76	21.87	21.78	23.0	2.5	
20	256QAM	1	1	19.58	19.75	19.66	21.0	4.5	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.33	24.39	24.23	25.5	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.30	24.29	24.24	25.5	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				828.5	836.5	846.5			
5	QPSK	1	1	24.31	24.28	24.34	25.5	0.0	



n2 Ant2 DSI3 Main PA									
BW [MHz]	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)									
1870 1880 1890									
40	1/2 BPSK	1	1	22.88	22.69	22.74			
40	1/2 BPSK	1	108	22.56	22.81	22.50	24.0	0.0	
40	1/2 BPSK	1	214	22.84	22.90	22.50			
40	1/2 BPSK	108	0	22.52	22.59	22.49	24.0	0.0	
40	1/2 BPSK	108	54	22.67	22.81	22.67	24.0	0.0	
40	1/2 BPSK	108	108	22.77	22.84	22.70	24.0	0.0	
40	1/2 BPSK	216	0	22.20	22.27	22.16			
40	QPSK	1	1	22.86	23.01	22.94			
40	QPSK	1	108	22.57	22.64	22.51	24.0	0.0	
40	QPSK	1	214	22.80	22.86	22.80			
40	QPSK	108	0	22.70	22.71	22.53	24.0	0.0	
40	QPSK	108	54	22.88	22.91	22.79	24.0	0.0	
40	QPSK	108	108	22.61	22.73	22.50	24.0	0.0	
40	QPSK	216	0	22.68	22.86	22.68			
40	16QAM	1	1	22.48	22.59	22.40	24.0	0.0	
40	16QAM	1	1	21.48	21.63	21.55	23.0	1.0	
40	256QAM	1	1	19.64	19.71	19.61	21.0	3.0	
Channel									
Frequency (MHz)									
1867.5 1880 1892.5 limit (dB)									
35	QPSK	1	1	22.71	22.83	22.93	0.0	0.0	
Channel									
Frequency (MHz)									
1895 1880 1895 limit (dB)									
30	QPSK	1	1	22.85	22.87	22.95	24.0	0.0	
Channel									
Frequency (MHz)									
1862.5 1880 1897.5 limit (dB)									
25	QPSK	1	1	22.80	22.88	22.92	0.0	0.0	
Channel									
Frequency (MHz)									
1875 1890 1902.5 limit (dB)									
20	QPSK	1	1	22.77	22.88	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
1860 1880 1890 limit (dB)									
15	QPSK	1	1	22.84	23.00	22.95	0.0	0.0	
Channel									
Frequency (MHz)									
1875 1890 1905 limit (dB)									
10	QPSK	1	1	22.81	22.90	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
1852.5 1880 1907.5 limit (dB)									
5	QPSK	1	1	22.78	22.85	22.87	24.0	0.0	

n7 Ant2 DSI3 Main PA									
BW [MHz]	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)									
2520 2535 2550									
40	1/2 BPSK	1	1	20.78	20.94	20.55			
40	1/2 BPSK	1	108	20.46	20.74	20.39	22.0	0.0	
40	1/2 BPSK	1	214	20.73	20.98	20.72			
40	1/2 BPSK	108	0	20.63	20.76	20.47	22.0	0.0	
40	1/2 BPSK	108	54	20.63	20.78	20.52	22.0	0.0	
40	1/2 BPSK	108	108	20.71	20.82	20.59	22.0	0.0	
40	1/2 BPSK	216	0	20.29	20.36	20.22			
40	QPSK	1	1	20.86	21.02	20.90			
40	QPSK	1	108	20.45	20.73	20.57	22.0	0.0	
40	QPSK	1	214	20.86	20.93	20.76			
40	QPSK	108	0	20.56	20.77	20.48	22.0	0.0	
40	QPSK	108	54	20.81	20.94	20.89	22.0	0.0	
40	QPSK	108	108	20.61	20.59	20.59	22.0	0.0	
40	QPSK	216	0	20.74	20.83	20.64			
40	16QAM	1	1	20.43	20.48	20.36	22.0	0.0	
40	16QAM	1	1	20.27	20.53	20.28	22.0	0.0	
40	256QAM	1	1	18.64	19.67	19.59	21.0	1.0	
Channel									
Frequency (MHz)									
2517.5 2535 2552.5 limit (dB)									
35	QPSK	1	1	20.81	20.89	20.92	22.0	0.0	
Channel									
Frequency (MHz)									
2515 2535 2555 limit (dB)									
30	QPSK	1	1	20.85	20.86	20.81	22.0	0.0	
Channel									
Frequency (MHz)									
2512.5 2535 2557.5 limit (dB)									
25	QPSK	1	1	20.75	20.84	20.78	22.0	0.0	
Channel									
Frequency (MHz)									
2520 2530 2540 limit (dB)									
20	QPSK	1	1	20.70	20.85	20.92	22.0	0.0	
Channel									
Frequency (MHz)									
2510 2535 2560 limit (dB)									
15	QPSK	1	1	20.79	20.82	20.79	22.0	0.0	
Channel									
Frequency (MHz)									
2505 2535 2565 limit (dB)									
10	QPSK	1	1	20.78	20.95	20.96	22.0	0.0	
Channel									
Frequency (MHz)									
2502.5 2535 2597.5 limit (dB)									
5	QPSK	1	1	20.80	20.80	20.94	22.0	0.0	

n66 Ant2 DSI3 Main PA									
BW [MHz]	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)									
346000 349000 352000									
40	1/2 BPSK	1	1	22.95	23.09	22.94			
40	1/2 BPSK	1	108	22.74	22.92	22.96	24.0	0.0	
40	1/2 BPSK	1	214	23.18	23.25	23.11			
40	1/2 BPSK	108	0	22.80	23.02	22.83	24.0	0.0	
40	1/2 BPSK	108	54	22.99	22.87	22.84	24.0	0.0	
40	1/2 BPSK	108	108	22.81	22.99	22.96	24.0	0.0	
40	1/2 BPSK	216	0	22.52	22.60	22.45			
40	QPSK	1	1	23.12	23.31	23.22			
40	QPSK	1	108	22.87	23.03	22.85	24.0	0.0	
40	QPSK	1	214	23.10	23.12	22.91			
40	QPSK	108	0	22.89	22.88	22.70	24.0	0.0	
40	QPSK	108	54	23.00	23.12	22.96	24.0	0.0	
40	QPSK	108	108	22.93	22.85	22.79	24.0	0.0	
40	QPSK	216	0	22.78	23.06	22.97			
40	16QAM	1	1	22.75	22.88	22.58	24.0	0.0	
40	16QAM	1	1	21.67	21.91	21.82	23.0	1.0	
40	256QAM	1	1	19.92	19.93	19.92	21.0	3.0	
Channel									
Frequency (MHz)									
345500 349000 352500 limit (dB)									
35	QPSK	1	1	23.04	23.11	23.20	0.0	0.0	
Channel									
Frequency (MHz)									
34500 349000 353000 limit (dB)									
30	QPSK	1	1	23.09	23.13	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
344500 349000 353500 limit (dB)									
25	QPSK	1	1	23.07	23.19	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
344000 349000 354000 limit (dB)									
20	QPSK	1	1	23.06	23.26	23.22	24.0	0.0	
Channel									
Frequency (MHz)									
343500 349000 354500 limit (dB)									
15	QPSK	1	1	23.21	23.27	23.14	24.0	0.0	
Channel									
Frequency (MHz)									
343000 349000 355000 limit (dB)									
10	QPSK	1	1	23.19	23.16	23.10	24.0	0.0	
Channel									
Frequency (MHz)									
342500 349000 355500 limit (dB)									
5	QPSK	1	1	23.08	23.16	23.22	24.0	0.0	



n38 Ant2 DSI3 Main PA								
BW [MHz]	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	20.85	21.07	20.77		
40	3/2 BPSK	1	53	20.58	20.67	20.54	22.0	0.0
40	3/2 BPSK	1	104	20.67	20.72	20.56		
40	3/2 BPSK	0	0	20.74	20.94	20.81	22.0	0.0
40	3/2 BPSK	50	28	20.88	20.85	20.60	22.0	0.0
40	3/2 BPSK	50	58	20.76	20.82	20.76		
40	3/2 BPSK	100	0	20.77	20.87	20.68	22.0	0.0
40	QPSK	1	1	21.07	21.08	20.87		
40	QPSK	1	53	20.85	20.82	20.80	22.0	0.0
40	QPSK	1	104	20.71	20.64	20.60		
40	QPSK	50	0	20.80	20.95	20.86	22.0	0.0
40	QPSK	50	28	20.68	20.97	20.96	22.0	0.0
40	QPSK	50	58	20.63	20.55	20.72	22.0	0.0
40	QPSK	100	0	20.73	20.92	20.72		
40	16QAM	1	1	20.82	20.85	20.72	22.0	0.0
40	64QAM	1	1	20.61	20.75	20.66	22.0	0.0
40	256QAM	1	1	19.77	19.78	19.56	21.0	1.0
Channel				517002	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.07	20.92	21.05	22.0	0.0
Channel				516004	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.02	21.00	20.94	22.0	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2550	2595	2610		
20	QPSK	1	1	20.99	20.92	20.91	22.0	0.0
Channel				515902	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.05	21.03	20.90	22.0	0.0
Channel				515004	519000	522996	Tune-up limit (dB)	MPR
Frequency (MHz)				2574.92	2595	2614.98		
10	QPSK	1	1	21.03	21.03	21.02	22.0	0.0

n41 Ant2 DSI3 Main PA								
BW [MHz]	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	20.88	21.15	20.67		
100	3/2 BPSK	1	137	20.53	20.79	20.50	22.0	0.0
100	3/2 BPSK	1	271	20.70	20.79	20.51		
100	3/2 BPSK	135	0	20.82	20.88	20.75	22.0	0.0
100	3/2 BPSK	135	69	20.88	20.86	20.60	22.0	0.0
100	3/2 BPSK	135	138	20.87	20.75	20.84		
100	3/2 BPSK	270	0	20.74	20.82	20.73	22.0	0.0
100	QPSK	1	1	21.09	21.17	20.80		
100	QPSK	1	137	20.59	20.74	20.81	22.0	0.0
100	QPSK	1	271	20.81	20.58	20.49		
100	QPSK	135	0	20.92	20.91	20.91	22.0	0.0
100	QPSK	135	69	20.57	21.03	21.01	22.0	0.0
100	QPSK	135	138	20.65	20.63	20.72	22.0	0.0
100	QPSK	270	0	20.69	20.83	20.74		
100	16QAM	1	1	20.81	20.92	20.75	22.0	0.0
100	64QAM	1	1	20.51	20.75	20.57	22.0	0.0
100	256QAM	1	1	19.85	19.81	19.69	21.0	1.0
Channel				508200	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.13	21.09	20.90	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dB)	MPR
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	1	21.06	21.00	20.98	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2635		
70	QPSK	1	1	21.12	21.12	20.79	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.95	21.06	20.76	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2654.99		
50	QPSK	1	1	21.11	20.98	20.95	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.09	21.16	20.81	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.13	21.12	20.77	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
25	QPSK	1	1	21.12	20.97	20.82	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.96	21.08	20.89	22.0	0.0
Channel				500700	518598	536496	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.5	2592.99	2674.48		
15	QPSK	1	1	21.04	21.02	20.97	22.0	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.11	21.03	20.96	22.0	0.0



n38 Ant3 DSI3 Main PA									
BW [MHz]	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	20.32	20.60	20.51	22.0	0.0	
40	1/2 BPSK	1	53	20.20	20.38	20.28			
40	1/2 BPSK	1	104	20.57	20.50	20.49			
40	1/2 BPSK	50	0	20.20	20.32	20.24	22.0	0.0	
40	1/2 BPSK	50	28	20.40	20.52	20.30	22.0	0.0	
40	1/2 BPSK	50	56	20.34	20.47	20.39			
40	1/2 BPSK	100	0	20.63	20.65	20.47	22.0	0.0	
40	QPSK	1	1	20.60	20.71	20.56			
40	QPSK	1	53	20.24	20.57	20.28	22.0	0.0	
40	QPSK	1	104	20.51	20.50	20.52			
40	QPSK	50	0	20.36	20.53	20.51	22.0	0.0	
40	QPSK	50	28	20.46	20.57	20.41	22.0	0.0	
40	QPSK	50	56	20.46	20.48	20.49	22.0	0.0	
40	QPSK	100	0	20.35	20.55	20.40	22.0	0.0	
40	16QAM	1	1	20.15	20.47	20.40	22.0	0.0	
40	64QAM	1	1	20.16	20.41	20.41	22.0	0.0	
40	256QAM	1	1	19.00	19.14	19.06	20.5	1.5	
Channel				517002	519000	520998	Tune-up	MPR	
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)	
30	QPSK	1	1	20.60	20.64	20.64	22.0	0.0	
Channel				516504	519000	521496	Tune-up	MPR	
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)	
25	QPSK	1	1	20.50	20.57	20.62	22.0	0.0	
Channel				516000	519000	522000	Tune-up	MPR	
Frequency (MHz)				2580	2595	2610	limit	(dB)	
20	QPSK	1	1	20.66	20.67	20.57	22.0	0.0	
Channel				515502	519000	522498	Tune-up	MPR	
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)	
15	QPSK	1	1	20.51	20.66	20.57	22.0	0.0	
Channel				515004	519000	522996	Tune-up	MPR	
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)	
10	QPSK	1	1	20.52	20.64	20.58	22.0	0.0	

n41 Ant3 DSI3 Main PA									
BW [MHz]	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	20.27	20.42	20.38	22.0	0.0	
100	1/2 BPSK	1	137	20.07	20.25	20.18			
100	1/2 BPSK	1	271	20.45	20.39	20.34			
100	1/2 BPSK	135	0	20.20	20.25	20.11	22.0	0.0	
100	1/2 BPSK	135	69	20.25	20.43	20.16	22.0	0.0	
100	1/2 BPSK	135	138	20.27	20.42	20.22			
100	1/2 BPSK	270	0	20.45	20.39	20.42	22.0	0.0	
100	QPSK	1	1	20.71	20.81	20.70			
100	QPSK	1	137	20.10	20.47	20.16	22.0	0.0	
100	QPSK	1	271	20.33	20.30	20.48			
100	QPSK	135	0	20.24	20.38	20.32	22.0	0.0	
100	QPSK	135	69	20.70	20.71	20.67	22.0	0.0	
100	QPSK	135	138	20.47	20.40	20.50	22.0	0.0	
100	QPSK	270	0	20.57	20.63	20.52	22.0	0.0	
100	16QAM	1	1	20.51	20.36	20.41	22.0	0.0	
100	64QAM	1	1	20.10	20.32	20.37	22.0	0.0	
100	256QAM	1	1	19.06	19.21	19.14	20.5	1.5	
Channel				508200	518598	528996	Tune-up	MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	20.55	20.75	20.58	22.0	0.0	
Channel				507204	518598	529998	Tune-up	MPR	
Frequency (MHz)				2533.02	2592.99	2649.99	limit	(dB)	
80	QPSK	1	1	20.65	20.64	20.67	22.0	0.0	
Channel				506202	518598	531000	Tune-up	MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)	
70	QPSK	1	1	20.53	20.64	20.55	22.0	0.0	
Channel				505200	518598	531996	Tune-up	MPR	
Frequency (MHz)				2523.02	2592.99	2659.98	limit	(dB)	
60	QPSK	1	1	20.51	20.68	20.69	22.0	0.0	
Channel				504204	518598	532998	Tune-up	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)	
50	QPSK	1	1	20.49	20.75	20.63	22.0	0.0	
Channel				503202	518598	534000	Tune-up	MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)	
40	QPSK	1	1	20.60	20.65	20.68	22.0	0.0	
Channel				502200	518598	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)	
30	QPSK	1	1	20.67	20.78	20.64	22.0	0.0	
Channel				502200	518598	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)	
25	QPSK	1	1	20.57	20.70	20.52	0.0	0.0	
Channel				501204	518598	535998	Tune-up	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)	
20	QPSK	1	1	20.51	20.64	20.66	22.0	0.0	
Channel				500700	518598	536496	Tune-up	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)	
15	QPSK	1	1	20.68	20.63	20.52	22.0	0.0	
Channel				500202	518598	537000	Tune-up	MPR	
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)	
10	QPSK	1	1	20.68	20.72	20.55	22.0	0.0	



Reduced Power SA Mode for DSI4

n5 Ant0 DSI4 Main PA									
BW [MHz]	Modulation	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	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	24.39	24.42	24.37			
20	1/2 BPSK	1	53	24.25	24.28	24.13	25.5	0.0	
20	1/2 BPSK	1	104	24.02	24.19	24.03			
20	1/2 BPSK	50	0	23.67	23.77	23.66	25.0	0.5	
20	1/2 BPSK	50	28	23.98	24.14	23.97	25.5	0.0	
20	1/2 BPSK	50	56	23.52	23.65	23.58	25.0	0.5	
20	1/2 BPSK	100	0	23.67	23.83	23.88			
20	QPSK	1	1	24.43	24.45	24.41			
20	QPSK	1	53	24.30	24.33	24.29	25.5	0.0	
20	QPSK	1	104	24.16	24.27	24.14			
20	QPSK	50	0	23.10	23.22	23.08	24.5	1.0	
20	QPSK	50	28	24.26	24.37	24.25	25.5	0.0	
20	QPSK	50	56	23.07	23.14	22.99	24.5	1.0	
20	QPSK	100	0	23.37	23.39	23.23			
20	16QAM	1	1	23.30	23.36	23.30	24.5	1.0	
20	64QAM	1	1	21.76	21.87	21.78	23.0	2.5	
20	256QAM	1	1	19.58	19.75	19.66	21.0	4.5	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.33	24.39	24.23	25.5	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.30	24.29	24.24	25.5	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				828.5	836.5	846.5			
5	QPSK	1	1	24.31	24.28	24.34	25.5	0.0	



n5 Ant1 DSI4 Main PA									
BW [MHz]	Modulation	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	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	21.78	21.88	21.73			
20	1/2 BPSK	1	53	21.58	21.72	21.88	23.0	0.0	
20	1/2 BPSK	1	104	21.56	21.67	21.56			
20	1/2 BPSK	50	0	21.64	21.92	21.68	23.0	0.0	
20	1/2 BPSK	50	28	21.72	21.71	21.62	23.0	0.0	
20	1/2 BPSK	50	56	21.57	21.57	21.48	23.0	0.0	
20	1/2 BPSK	100	0	21.75	21.86	21.82			
20	QPSK	1	1	21.94	22.06	21.86			
20	QPSK	1	53	21.59	21.82	21.72	23.0	0.0	
20	QPSK	1	104	21.51	21.51	21.57			
20	QPSK	50	0	21.54	21.84	21.56	23.0	0.0	
20	QPSK	50	28	21.80	21.95	21.91	23.0	0.0	
20	QPSK	50	56	21.55	21.61	21.48	23.0	0.0	
20	QPSK	100	0	21.91	21.97	21.73			
20	16QAM	1	1	21.79	21.98	21.94	23.0	0.0	
20	64QAM	1	1	21.71	21.82	21.73	23.0	0.0	
20	256QAM	1	1	19.67	19.73	19.65	21.0	2.0	
Channel				168300	167300	168300	Tune-up limit (dB)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	21.71	21.71	21.74	23.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.57	21.68	21.77	23.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dB)	MPR	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	21.65	21.84	21.64	23.0	0.0	



n2 Ant2 DSI4 Main PA

BW (MHz)	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)				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	1/2 BPSK	1	1	24.38	24.41	24.25	25.5	0.0
40	1/2 BPSK	1	108	24.22	24.32	24.16	25.5	0.0
40	1/2 BPSK	1	214	24.35	24.52	24.39	25.5	0.0
40	1/2 BPSK	108	0	23.59	23.74	23.69	25.0	0.5
40	1/2 BPSK	108	54	24.29	24.36	24.22	25.5	0.0
40	1/2 BPSK	108	108	23.75	23.92	23.83	25.0	0.5
40	1/2 BPSK	216	0	23.31	23.38	23.31	24.5	1.0
40	QPSK	1	1	24.39	24.53	24.48	25.5	0.0
40	QPSK	1	108	24.18	24.29	24.19	25.5	0.0
40	QPSK	1	214	24.48	24.51	24.34	25.5	0.0
40	QPSK	108	0	23.19	23.26	23.09	24.5	1.0
40	QPSK	108	54	24.40	24.46	24.41	25.5	0.0
40	QPSK	108	108	23.27	23.36	23.28	24.5	1.0
40	QPSK	216	0	23.23	23.41	23.38	24.5	1.0
40	16QAM	1	1	23.06	23.13	22.98	24.5	1.0
40	16QAM	1	1	21.48	21.63	21.55	23.0	2.5
40	256QAM	1	1	19.84	19.71	19.61	21.0	4.5
Channel								
Frequency (MHz)				373500	376000	378500	limit	
35	QPSK	1	1	24.26	24.35	24.42	0.0	0.0
Channel								
Frequency (MHz)				373000	376000	379000	limit	
30	QPSK	1	1	24.25	24.42	24.41	25.5	0.0
Channel								
Frequency (MHz)				372500	376000	379500	limit	
25	QPSK	1	1	24.35	24.45	24.41	0.0	0.0
Channel								
Frequency (MHz)				372000	376000	380000	limit	
20	QPSK	1	1	24.31	24.39	24.40	0.0	0.0
Channel								
Frequency (MHz)				371500	376000	380500	limit	
15	QPSK	1	1	24.30	24.49	24.44	25.5	0.0
Channel								
Frequency (MHz)				371000	376000	381000	limit	
10	QPSK	1	1	24.34	24.40	24.34	25.5	0.0
Channel								
Frequency (MHz)				370500	376000	381500	limit	
5	QPSK	1	1	24.26	24.38	24.41	25.5	0.0

n7 Ant2 DSI4 Main PA

BW (MHz)	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)				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	24.38	24.46	24.20	25.5	0.0
40	1/2 BPSK	1	108	24.15	24.25	24.23	25.5	0.0
40	1/2 BPSK	1	214	24.35	24.48	24.41	25.5	0.0
40	1/2 BPSK	108	0	23.61	23.77	23.63	25.0	0.5
40	1/2 BPSK	108	54	24.24	24.30	24.15	25.5	0.0
40	1/2 BPSK	108	108	23.77	23.97	23.80	25.0	0.5
40	1/2 BPSK	216	0	23.34	23.45	23.29	24.5	1.0
40	QPSK	1	1	24.40	24.52	24.45	25.5	0.0
40	QPSK	1	108	24.13	24.27	24.22	25.5	0.0
40	QPSK	1	214	24.46	24.44	24.41	25.5	0.0
40	QPSK	108	0	23.14	23.30	23.02	24.5	1.0
40	QPSK	108	54	24.35	24.47	24.41	25.5	0.0
40	QPSK	108	108	23.28	23.29	23.26	24.5	1.0
40	QPSK	216	0	23.25	23.37	23.36	24.5	1.0
40	16QAM	1	1	23.12	23.07	22.91	24.5	1.0
40	16QAM	1	1	21.42	21.57	21.47	23.0	2.5
40	256QAM	1	1	19.64	19.67	19.59	21.0	4.5
Channel								
Frequency (MHz)				503500	507000	510500	limit	
35	QPSK	1	1	24.35	24.39	24.38	25.5	0.0
Channel								
Frequency (MHz)				503000	507000	511000	limit	
30	QPSK	1	1	24.22	24.48	24.33	25.5	0.0
Channel								
Frequency (MHz)				502500	507000	511500	limit	
25	QPSK	1	1	24.27	24.41	24.39	25.5	0.0
Channel								
Frequency (MHz)				502000	507000	512000	limit	
20	1/2 BPSK	1	1	24.25	24.38	24.45	25.5	0.0
Channel								
Frequency (MHz)				501500	507000	512500	limit	
15	QPSK	1	1	24.22	24.36	24.40	25.5	0.0
Channel								
Frequency (MHz)				501000	507000	513000	limit	
10	QPSK	1	1	24.29	24.36	24.31	25.5	0.0
Channel								
Frequency (MHz)				500500	507000	513500	limit	
5	QPSK	1	1	24.36	24.43	24.35	25.5	0.0

n66 Ant2 DSI4 Main PA

BW (MHz)	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)				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	24.62	24.68	24.44	25.5	0.0
40	1/2 BPSK	1	108	24.41	24.50	24.45	25.5	0.0
40	1/2 BPSK	1	214	24.68	24.81	24.60	25.5	0.0
40	1/2 BPSK	108	0	23.88	24.04	23.94	25.0	0.5
40	1/2 BPSK	108	54	24.55	24.57	24.43	25.5	0.0
40	1/2 BPSK	108	108	23.99	24.17	24.06	25.0	0.5
40	1/2 BPSK	216	0	23.62	23.61	23.59	24.5	1.0
40	QPSK	1	1	24.71	24.82	24.75	25.5	0.0
40	QPSK	1	108	24.49	24.60	24.39	25.5	0.0
40	QPSK	1	214	24.75	24.81	24.55	25.5	0.0
40	QPSK	108	0	23.47	23.59	23.39	24.5	1.0
40	QPSK	108	54	24.81	24.79	24.61	25.5	0.0
40	QPSK	108	108	23.52	23.54	23.49	24.5	1.0
40	QPSK	216	0	23.49	23.75	23.62	24.5	1.0
40	16QAM	1	1	23.33	23.41	23.22	24.5	1.0
40	16QAM	1	1	21.67	21.91	21.82	23.0	2.5
40	256QAM	1	1	19.92	19.93	19.82	21.0	4.5
Channel								
Frequency (MHz)				345500	349000	352500	limit	
35	QPSK	1	1	24.69	24.74	24.58	0.0	0.0
Channel								
Frequency (MHz)				345000	349000	353000	limit	
30	QPSK	1	1	24.58	24.65	24.67	25.5	0.0
Channel								
Frequency (MHz)				344500	349000	353500	limit	
25	QPSK	1	1	24.63	24.76	24.68	25.5	0.0
Channel								
Frequency (MHz)				344000	349000	354000	limit	
20	QPSK	1	1	24.68	24.79	24.68	25.5	0.0
Channel								
Frequency (MHz)				343500	349000	354500	limit	
15	QPSK	1	1	24.54	24.75	24.59	25.5	0.0
Channel								
Frequency (MHz)				343000	349000	355000	limit	
10	QPSK	1	1	24.59	24.69	24.62	25.5	0.0
Channel								
Frequency (MHz)				342500	349000	355500	limit	
5	QPSK	1	1	24.57	24.78	24.62	25.5	0.0



n38 Ant2 DSI4 Main PA							
BW [MHz]	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	24.56	24.62	24.47	25.5 0.0
40	1/2 BPSK	1	53	24.18	24.35	24.20	
40	1/2 BPSK	1	104	24.23	24.29	24.21	
40	1/2 BPSK	50	0	23.94	23.97	23.81	25.0 0.5
40	1/2 BPSK	50	28	24.40	24.44	24.30	25.5 0.0
40	1/2 BPSK	50	56	23.76	23.81	23.74	25.0 0.5
40	1/2 BPSK	100	0	23.96	23.98	23.82	
40	QPSK	1	1	24.50	24.62	24.58	
40	QPSK	1	53	24.30	24.45	24.34	25.5 0.0
40	QPSK	1	104	24.33	24.36	24.24	
40	QPSK	50	0	23.35	23.47	23.36	24.5 1.0
40	QPSK	50	28	24.36	24.52	24.45	25.5 0.0
40	QPSK	50	56	23.13	23.26	23.21	24.5 1.0
40	QPSK	100	0	23.36	23.45	23.34	
40	16QAM	1	1	23.36	23.45	23.31	24.5 1.0
40	64QAM	1	1	21.74	21.91	21.77	23.0 2.5
40	256QAM	1	1	19.78	19.87	19.74	21.0 4.5
Channel				517002	518000	520998	Tune-up MPR
Frequency (MHz)				2585.01	2595	2604.99	limit (dB)
30	QPSK	1	1	24.50	24.50	24.43	25.5 0.0
Channel				516504	519000	521496	Tune-up MPR
Frequency (MHz)				2582.52	2595	2607.48	limit (dB)
25	QPSK	1	1	24.47	24.51	24.45	25.5 0.0
Channel				516000	519000	522000	Tune-up MPR
Frequency (MHz)				2580	2595	2610	limit (dB)
20	QPSK	1	1	24.45	24.59	24.50	25.5 0.0
Channel				515502	519000	522498	Tune-up MPR
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)
15	QPSK	1	1	24.51	24.58	24.42	25.5 0.0
Channel				515004	519000	522996	Tune-up MPR
Frequency (MHz)				2575.02	2595	2614.98	limit (dB)
10	QPSK	1	1	24.50	24.58	24.52	25.5 0.0

n41 Ant2 DSI4 Main PA							
BW [MHz]	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	24.51	24.62	24.44	25.5 0.0
100	1/2 BPSK	1	137	24.14	24.31	24.13	
100	1/2 BPSK	1	271	24.26	24.23	24.20	
100	1/2 BPSK	135	0	23.87	23.94	23.78	25.0 0.5
100	1/2 BPSK	135	69	24.42	24.47	24.37	25.5 0.0
100	1/2 BPSK	135	138	23.81	23.84	23.70	25.0 0.5
100	1/2 BPSK	270	0	23.93	23.87	23.76	
100	QPSK	1	1	24.56	24.55	24.60	
100	QPSK	1	137	24.32	24.41	24.39	25.5 0.0
100	QPSK	1	271	24.33	24.42	24.27	
100	QPSK	135	0	23.31	23.45	23.37	24.5 1.0
100	QPSK	135	69	24.34	24.39	24.52	25.5 0.0
100	QPSK	135	138	23.11	23.19	23.19	24.5 1.0
100	QPSK	270	0	23.44	23.55	23.28	
100	16QAM	1	1	23.40	23.47	23.26	24.5 1.0
100	64QAM	1	1	21.67	21.99	21.76	23.0 2.5
100	256QAM	1	1	19.35	19.81	19.69	21.0 4.5
Channel				508200	518598	528996	Tune-up MPR
Frequency (MHz)				2541	2592.99	2644.98	limit (dB)
90	QPSK	1	1	24.46	24.59	24.52	25.5 0.0
Channel				507204	518598	529998	Tune-up MPR
Frequency (MHz)				2533.02	2592.99	2649.99	limit (dB)
80	QPSK	1	1	24.49	24.54	24.44	25.5 0.0
Channel				506202	518598	531000	Tune-up MPR
Frequency (MHz)				2531.01	2592.99	2655	limit (dB)
70	QPSK	1	1	24.51	24.63	24.48	25.5 0.0
Channel				505200	518598	531996	Tune-up MPR
Frequency (MHz)				2529.02	2592.99	2659.98	limit (dB)
60	QPSK	1	1	24.44	24.62	24.54	25.5 0.0
Channel				504204	518598	532998	Tune-up MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit (dB)
50	QPSK	1	1	24.52	24.47	24.53	25.5 0.0
Channel				503202	518598	534000	Tune-up MPR
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)
40	QPSK	1	1	24.46	24.63	24.56	25.5 0.0
Channel				502200	518598	534996	Tune-up MPR
Frequency (MHz)				2511	2592.99	2674.98	limit (dB)
30	QPSK	1	1	24.42	24.48	24.57	25.5 0.0
Channel				502200	518598	534996	Tune-up MPR
Frequency (MHz)				2511	2592.99	2674.98	limit (dB)
25	QPSK	1	1	24.53	24.60	24.55	0.0 0.0
Channel				501204	518598	535998	Tune-up MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)
20	QPSK	1	1	24.48	24.61	24.43	25.5 0.0
Channel				500700	518598	536496	Tune-up MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit (dB)
15	QPSK	1	1	24.51	24.53	24.43	25.5 0.0
Channel				500202	518598	537000	Tune-up MPR
Frequency (MHz)				2501.01	2592.99	2685	limit (dB)
10	QPSK	1	1	24.40	24.55	24.54	25.5 0.0



n2 Ant3 DSI4 Main PA								
BW [MHz]	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)				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	1/2 BPSK	1	1	23.32	23.47	23.36	25.0	0.0
40	1/2 BPSK	1	108	23.28	23.38	23.22		
40	1/2 BPSK	1	214	23.41	23.50	23.33		
40	1/2 BPSK	108	0	22.60	22.72	22.69	24.5	0.5
40	1/2 BPSK	108	54	23.14	23.29	23.13	25.0	0.0
40	1/2 BPSK	108	108	22.77	22.89	22.83	24.5	0.5
40	1/2 BPSK	216	0	22.93	22.98	22.84		
40	QPSK	1	1	23.48	23.51	23.45		
40	QPSK	1	108	23.33	23.40	23.24	25.0	0.0
40	QPSK	1	214	23.37	23.46	23.43		
40	QPSK	108	0	22.38	22.43	22.38	24.0	1.0
40	QPSK	108	54	23.33	23.48	23.38	25.0	0.0
40	QPSK	108	108	22.40	22.50	22.47	24.0	1.0
40	QPSK	216	0	22.40	22.52	22.35		
40	16QAM	1	1	22.11	22.27	22.21	24.0	1.0
40	64QAM	1	1	20.70	20.80	20.75	22.5	2.5
40	256QAM	1	1	18.33	18.37	18.30	20.5	4.5
Channel								
Frequency (MHz)				373500	376000	378500		
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)
35	QPSK	1	1	23.45	23.40	23.29	0.0	0.0
Channel								
Frequency (MHz)				373000	376000	378000	Tune-up	MPR
Frequency (MHz)				1865	1880	1895	limit	(dB)
30	QPSK	1	1	23.32	23.46	23.41	25.0	0.0
Channel								
Frequency (MHz)				372500	376000	379500	Tune-up	MPR
Frequency (MHz)				1862.5	1880	1897.5	limit	(dB)
25	QPSK	1	1	23.37	23.48	23.35	0.0	0.0
Channel								
Frequency (MHz)				372000	376000	380000	Tune-up	MPR
Frequency (MHz)				1860	1880	1900	limit	(dB)
20	QPSK	1	1	23.45	23.37	23.41	0.0	0.0
Channel								
Frequency (MHz)				371500	376000	380500	Tune-up	MPR
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)
15	QPSK	1	1	23.31	23.44	23.40	25.0	0.0
Channel								
Frequency (MHz)				371000	376000	381000	Tune-up	MPR
Frequency (MHz)				1855	1880	1905	limit	(dB)
10	QPSK	1	1	23.44	23.42	23.28	25.0	0.0
Channel								
Frequency (MHz)				370500	376000	381500	Tune-up	MPR
Frequency (MHz)				1852.5	1880	1907.5	limit	(dB)
5	QPSK	1	1	23.37	23.48	23.41	25.0	0.0

n7 Ant3 DSI4 Main PA								
BW [MHz]	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)				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	23.46	23.53	23.40		
40	1/2 BPSK	1	108	23.41	23.56	23.30	25.0	0.0
40	1/2 BPSK	1	214	23.38	23.55	23.46		
40	1/2 BPSK	108	0	22.72	22.87	22.76	24.5	0.5
40	1/2 BPSK	108	54	23.19	23.37	23.19	25.0	0.0
40	1/2 BPSK	108	108	22.93	22.93	22.93	24.5	0.5
40	1/2 BPSK	216	0	22.95	23.07	22.89		
40	QPSK	1	1	23.56	23.52	23.54		
40	QPSK	1	108	23.50	23.50	23.32	25.0	0.0
40	QPSK	1	214	23.52	23.51	23.56		
40	QPSK	108	0	22.41	22.60	22.46	24.0	1.0
40	QPSK	108	54	23.41	23.55	23.51	25.0	0.0
40	QPSK	108	108	22.45	22.66	22.52	24.0	1.0
40	QPSK	216	0	22.49	22.62	22.43		
40	16QAM	1	1	22.20	22.43	22.24	24.0	1.0
40	64QAM	1	1	20.73	20.84	20.88	22.5	2.5
40	256QAM	1	1	18.36	18.37	18.36	20.5	4.5
Channel								
Frequency (MHz)				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	23.51	23.52	23.44	25.0	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	23.45	23.55	23.51	25.0	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	23.52	23.52	23.52	25.0	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	23.46	23.45	23.38	25.0	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	23.42	23.57	23.48	25.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	23.56	23.55	23.41	25.0	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	23.50	23.56	23.53	25.0	0.0

n66 Ant3 DSI4 Main PA								
BW [MHz]	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)				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	23.51	23.67	23.54		
40	1/2 BPSK	1	108	23.53	23.59	23.49	25.0	0.0
40	1/2 BPSK	1	214	23.62	23.65	23.50		
40	1/2 BPSK	108	0	22.85	22.88	22.83	24.5	0.5
40	1/2 BPSK	108	54	23.35	23.35	23.39	25.0	0.0
40	1/2 BPSK	108	108	22.94	23.03	23.00	24.5	0.5
40	1/2 BPSK	216	0	23.10	23.24	23.00		
40	QPSK	1	1	23.74	23.75	23.71		
40	QPSK	1	108	23.55	23.53	23.49	25.0	0.0
40	QPSK	1	214	23.64	23.64	23.72		
40	QPSK	108	0	22.53	22.61	22.56	24.0	1.0
40	QPSK	108	54	23.52	23.69	23.52	25.0	0.0
40	QPSK	108	108	22.55	22.65	22.64	24.0	1.0
40	QPSK	216	0	22.58	22.66	22.62		
40	16QAM	1	1	22.25	22.47	22.41	24.0	1.0
40	64QAM	1	1	20.94	20.97	20.96	22.5	2.5
40	256QAM	1	1	18.96	19.04	18.93	20.5	4.5
Channel								
Frequency (MHz)				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	23.62	23.68	23.58	0.0	0.0
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	23.63	23.71	23.54	25.0	0.0
Channel								
Frequency (MHz)				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	23.69	23.69	23.68	25.0	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	23.56	23.60	23.62	25.0	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	23.69	23.62	23.68	25.0	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	23.61	23.69	23.64	25.0	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	23.69	23.67	23.55	25.0	0.0



n38 Ant3 DSI4 Main PA								
BW [MHz]	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	23.49	23.66	23.61	25.0	0.0
40	1/2 BPSK	1	53	23.42	23.53	23.39		
40	1/2 BPSK	1	104	23.38	23.70	23.50		
40	1/2 BPSK	50	0	22.76	22.99	22.87	24.5	0.5
40	1/2 BPSK	50	28	23.38	23.54	23.29	25.0	0.0
40	1/2 BPSK	50	56	23.00	23.03	23.05	24.5	0.5
40	1/2 BPSK	100	0	23.17	23.18	23.09		
40	QPSK	1	1	23.68	23.71	23.65		
40	QPSK	1	53	23.45	23.66	23.40	25.0	0.0
40	QPSK	1	104	23.53	23.69	23.59		
40	QPSK	50	0	22.54	22.61	22.65	24.0	1.0
40	QPSK	50	28	23.48	23.68	23.59	25.0	0.0
40	QPSK	50	56	22.53	22.66	22.61	24.0	1.0
40	QPSK	100	0	22.56	22.71	22.61		
40	16QAM	1	1	22.36	22.48	22.46	24.0	1.0
40	64QAM	1	1	20.88	20.97	20.90	22.5	2.5
40	256QAM	1	1	19.00	19.14	19.06	23.5	4.5
Channel				517002	518000	520000	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	23.65	23.66	23.55	25.0	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	23.61	23.68	23.63	25.0	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	23.50	23.69	23.61	25.0	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	23.59	23.64	23.52	25.0	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	23.54	23.68	23.53	25.0	0.0

n41 Ant3 DSI4 Main PA								
BW [MHz]	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	23.55	23.75	23.70	25.0	0.0
100	1/2 BPSK	1	137	23.57	23.70	23.47		
100	1/2 BPSK	1	271	23.67	23.81	23.54		
100	1/2 BPSK	135	0	22.81	23.07	22.90	24.5	0.5
100	1/2 BPSK	135	69	23.42	23.72	23.36	25.0	0.0
100	1/2 BPSK	135	138	23.19	23.18	23.10	24.5	0.5
100	1/2 BPSK	270	0	23.21	23.27	23.14		
100	QPSK	1	1	23.72	23.83	23.82		
100	QPSK	1	137	23.59	23.81	23.55	25.0	0.0
100	QPSK	1	271	23.63	23.81	23.73		
100	QPSK	135	0	22.69	22.72	22.84	24.0	1.0
100	QPSK	135	69	23.52	23.78	23.75	25.0	0.0
100	QPSK	135	138	22.69	22.84	22.75	24.0	1.0
100	QPSK	270	0	22.65	22.84	22.76		
100	16QAM	1	1	22.41	22.52	22.61	24.0	1.0
100	64QAM	1	1	21.02	21.10	21.09	22.5	2.5
100	256QAM	1	1	19.06	19.21	19.14	23.5	4.5
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	23.42	23.59	23.59	25.0	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2538.02	2592.99	2648.99	limit	(dB)
80	QPSK	1	1	23.48	23.59	23.49	25.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	23.47	23.55	23.51	25.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2528.02	2592.99	2649.98	limit	(dB)
60	QPSK	1	1	23.42	23.57	23.53	25.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	23.54	23.46	23.47	25.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	23.49	23.57	23.50	25.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	23.43	23.55	23.50	25.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	23.54	23.54	23.55	0.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	23.47	23.53	23.47	25.0	0.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	23.42	23.60	23.43	25.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	23.53	23.57	23.49	25.0	0.0



n7 Ant4 DSI4 Main PA								
BW [MHz]	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	23.56	23.74	23.59		
40	1/2 BPSK	1	108	23.65	23.68	23.59	25.0	0.0
40	1/2 BPSK	1	214	23.61	23.66	23.64		
40	1/2 BPSK	108	0	23.07	23.18	23.06	24.5	0.5
40	1/2 BPSK	108	54	23.62	23.73	23.58	25.0	0.0
40	1/2 BPSK	108	108	22.92	23.07	22.91		
40	1/2 BPSK	216	0	22.99	23.06	22.97	24.5	0.5
40	QPSK	1	1	23.72	23.75	23.74		
40	QPSK	1	108	23.52	23.67	23.63	25.0	0.0
40	QPSK	1	214	23.61	23.74	23.67		
40	QPSK	108	0	22.51	22.67	22.52	24.0	1.0
40	QPSK	108	54	23.62	23.73	23.67	25.0	0.0
40	QPSK	108	108	22.58	22.65	22.61		
40	QPSK	216	0	22.66	22.71	22.67	24.0	1.0
40	16QAM	1	1	22.46	22.56	22.53	24.0	1.0
40	64QAM	1	1	20.88	20.99	20.96	22.5	2.5
40	256QAM	1	1	18.33	19.05	19.02	20.5	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	23.67	23.71	23.69	25.0	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	23.61	23.69	23.67	25.0	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	23.57	23.58	23.57	25.0	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	23.65	23.72	23.63	25.0	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	23.63	23.70	23.60	25.0	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	23.63	23.69	23.64	25.0	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	23.60	23.68	23.64	25.0	0.0

n66 Ant4 DSI4 Main PA								
BW [MHz]	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	23.64	23.90	23.70		
40	1/2 BPSK	1	108	23.75	23.71	23.76	25.0	0.0
40	1/2 BPSK	1	214	23.78	23.83	23.69		
40	1/2 BPSK	108	0	23.13	23.34	23.10	24.5	0.5
40	1/2 BPSK	108	54	23.77	23.89	23.68	25.0	0.0
40	1/2 BPSK	108	108	23.06	23.25	22.98		
40	1/2 BPSK	216	0	23.04	23.19	23.07	24.5	0.5
40	QPSK	1	1	23.84	23.92	23.89		
40	QPSK	1	108	23.60	23.79	23.79	25.0	0.0
40	QPSK	1	214	23.69	23.83	23.61		
40	QPSK	108	0	22.63	22.81	22.55	24.0	1.0
40	QPSK	108	54	23.76	23.89	23.77	25.0	0.0
40	QPSK	108	108	22.68	22.80	22.63		
40	QPSK	216	0	22.79	22.81	22.78	24.0	1.0
40	16QAM	1	1	22.62	22.61	22.59	24.0	1.0
40	64QAM	1	1	21.02	21.13	21.11	22.5	2.5
40	256QAM	1	1	19.08	19.17	19.05	20.5	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	23.79	23.89	23.74	0.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	23.77	23.78	23.78	25.0	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	23.74	23.82	23.83	25.0	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	23.74	23.82	23.78	25.0	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	23.79	23.83	23.84	25.0	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	23.78	23.86	23.82	25.0	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	23.78	23.75	23.74	25.0	0.0



n38 Ant4 DSI4 Main PA								
BW [MHz]	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	23.76	23.78	23.60		
40	1/2 BPSK	1	53	23.45	23.62	23.50	25.0	0.0
40	1/2 BPSK	1	104	23.51	23.58	23.49		
40	1/2 BPSK	50	0	23.08	23.18	23.06	24.5	0.5
40	1/2 BPSK	50	28	23.55	23.69	23.65	25.0	0.0
40	1/2 BPSK	50	56	22.95	23.09	23.03		
40	1/2 BPSK	100	0	22.99	23.11	22.94	24.5	0.5
40	QPSK	1	1	23.76	23.81	23.75		
40	QPSK	1	53	23.65	23.74	23.71	25.0	0.0
40	QPSK	1	104	23.47	23.58	23.45		
40	QPSK	50	0	22.80	22.83	22.73	24.0	1.0
40	QPSK	50	28	23.50	23.76	23.71	25.0	0.0
40	QPSK	50	56	22.46	22.58	22.50	24.0	1.0
40	QPSK	100	0	22.62	22.79	22.70		
40	16QAM	1	1	22.65	22.67	22.64	24.0	1.0
40	64QAM	1	1	21.11	21.17	21.08	22.5	2.5
40	256QAM	1	1	18.97	19.09	19.05	23.5	4.5
Channel				517002	518000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	23.60	23.73	23.65	25.0	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	23.92	23.75	23.73	25.0	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	23.60	23.65	23.68	25.0	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	23.65	23.69	23.69	25.0	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	23.65	23.70	23.58	25.0	0.0

n41 Ant4 DSI4 Main PA								
BW [MHz]	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	23.83	23.81	23.54		
100	1/2 BPSK	1	137	23.38	23.64	23.54	25.0	0.0
100	1/2 BPSK	1	271	23.46	23.53	23.41		
100	1/2 BPSK	135	0	23.02	23.19	23.04	24.5	0.5
100	1/2 BPSK	135	69	23.53	23.68	23.68	25.0	0.0
100	1/2 BPSK	135	138	22.93	23.16	23.00		
100	1/2 BPSK	270	0	22.98	23.16	22.87	24.5	0.5
100	QPSK	1	1	23.83	23.85	23.81		
100	QPSK	1	137	23.66	23.69	23.65	25.0	0.0
100	QPSK	1	271	23.51	23.57	23.47		
100	QPSK	135	0	22.75	22.84	22.75	24.0	1.0
100	QPSK	135	69	23.68	23.81	23.70	25.0	0.0
100	QPSK	135	138	22.40	22.65	22.49	24.0	1.0
100	QPSK	270	0	22.60	22.79	22.76		
100	16QAM	1	1	22.62	22.67	22.61	24.0	1.0
100	64QAM	1	1	21.10	21.18	21.11	22.5	2.5
100	256QAM	1	1	18.92	19.03	19.07	23.5	4.5
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	23.81	23.67	23.65	25.0	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2538.02	2592.99	2648.99	limit	(dB)
80	QPSK	1	1	23.73	23.79	23.77	25.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	23.75	23.73	23.70	25.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2528.02	2592.99	2663.98	limit	(dB)
60	QPSK	1	1	23.74	23.81	23.69	25.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	23.69	23.69	23.67	25.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	23.79	23.77	23.77	25.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	23.69	23.77	23.73	25.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	23.74	23.82	23.65	0.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	23.76	23.82	23.69	25.0	0.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	23.66	23.71	23.63	25.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	23.72	23.79	23.71	25.0	0.0



n7 Ant5 DSI4 Main PA

BW [MHz]	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	20.79	20.89	20.80		
40	1/2 BPSK	1	108	20.84	20.88	20.80	22.0	0.0
40	1/2 BPSK	1	214	20.92	20.94	20.77		
40	1/2 BPSK	108	0	20.35	20.38	20.28	21.5	0.5
40	1/2 BPSK	108	54	20.82	20.92	20.74	22.0	0.0
40	1/2 BPSK	108	108	20.38	20.41	20.32		
40	1/2 BPSK	216	0	20.33	20.37	20.21	21.5	0.5
40	QPSK	1	1	20.98	21.02	20.93		
40	QPSK	1	108	20.86	20.88	20.79	22.0	0.0
40	QPSK	1	214	20.90	20.96	20.90		
40	QPSK	108	0	19.80	19.83	19.70	21.0	1.0
40	QPSK	108	54	20.79	20.97	20.95	22.0	0.0
40	QPSK	108	108	19.97	19.79	19.74	21.0	1.0
40	QPSK	216	0	19.85	19.92	19.89		
40	16QAM	1	1	19.63	19.74	19.60	21.0	1.0
40	64QAM	1	1	18.02	18.15	18.08	19.5	2.5
40	256QAM	1	1	16.99	18.18	18.03	17.5	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	20.86	20.94	20.86	22.0	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	20.91	20.90	20.90	22.0	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	20.90	20.98	20.76	22.0	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	20.96	20.98	20.84	22.0	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	20.88	20.97	20.79	22.0	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	20.84	20.88	20.79	22.0	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	20.82	20.90	20.86	22.0	0.0

n66 Ant5 DSI4 Main PA

BW [MHz]	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	21.75	21.96	21.83		
40	1/2 BPSK	1	108	21.87	21.87	21.87	22.5	0.0
40	1/2 BPSK	1	214	21.83	21.90	21.83		
40	1/2 BPSK	108	0	21.30	21.35	21.21	22.0	0.5
40	1/2 BPSK	108	54	21.85	21.86	21.80	22.5	0.0
40	1/2 BPSK	108	108	21.31	21.49	21.32		
40	1/2 BPSK	216	0	21.31	21.43	21.15	22.0	0.5
40	QPSK	1	1	21.95	21.99	21.92		
40	QPSK	1	108	21.80	21.89	21.72	22.5	0.0
40	QPSK	1	214	21.91	21.89	21.88		
40	QPSK	108	0	20.77	20.76	20.70	21.5	1.0
40	QPSK	108	54	21.75	21.95	21.91	22.5	0.0
40	QPSK	108	108	20.88	20.71	20.70	21.5	1.0
40	QPSK	216	0	20.82	20.93	20.88		
40	16QAM	1	1	20.59	20.80	20.59	21.5	1.0
40	64QAM	1	1	19.15	19.16	19.04	20.0	2.5
40	256QAM	1	1	17.09	17.19	17.05	18.0	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	21.91	21.81	21.84	0.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1755	limit	(dB)
30	QPSK	1	1	21.77	21.90	21.84	22.5	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	21.87	21.87	21.86	22.5	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	21.89	21.83	21.80	22.5	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	21.87	21.89	21.83	22.5	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	21.83	21.83	21.90	22.5	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	21.78	21.83	21.75	22.5	0.0



n38 Ant5 DSI4 Main PA								
BW [MHz]	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	20.83	20.98	20.85	22.0	0.0
40	1/2 BPSK	1	53	20.81	20.85	20.77		
40	1/2 BPSK	1	104	20.83	20.79	20.74		
40	1/2 BPSK	50	0	20.28	20.34	20.17	21.5	0.5
40	1/2 BPSK	50	28	20.84	20.92	20.89	22.0	0.0
40	1/2 BPSK	50	56	20.12	20.29	20.27		
40	1/2 BPSK	100	0	20.29	20.35	20.20	21.5	0.5
40	QPSK	1	1	21.02	21.03	20.98		
40	QPSK	1	53	20.73	20.82	20.66	22.0	0.0
40	QPSK	1	104	20.59	20.68	20.64		
40	QPSK	50	0	19.68	19.83	19.68	21.0	1.0
40	QPSK	50	28	20.80	20.84	20.69	22.0	0.0
40	QPSK	50	56	19.48	19.63	19.50	21.0	1.0
40	QPSK	100	0	19.66	19.78	19.63		
40	16QAM	1	1	20.62	20.71	20.66	21.0	1.0
40	64QAM	1	1	18.02	18.17	18.07	19.5	2.5
40	256QAM	1	1	16.09	16.22	16.06	17.5	4.5
Channel				517002	518000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	20.88	20.97	20.83	22.0	0.0
Channel				516504	518000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	20.89	20.88	20.87	22.0	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	20.95	20.90	20.85	22.0	0.0
Channel				515502	518000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	20.91	20.88	20.92	22.0	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	20.97	20.91	20.87	22.0	0.0

n41 Ant5 DSI4 Main PA								
BW [MHz]	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	20.78	20.91	20.80	22.0	0.0
100	1/2 BPSK	1	137	20.84	20.80	20.77		
100	1/2 BPSK	1	271	20.81	20.81	20.77		
100	1/2 BPSK	135	0	20.23	20.38	20.25	21.5	0.5
100	1/2 BPSK	135	69	20.91	20.99	20.89	22.0	0.0
100	1/2 BPSK	135	138	20.17	20.28	20.22		
100	1/2 BPSK	270	0	20.28	20.40	20.15	21.5	0.5
100	QPSK	1	1	21.01	21.05	21.02		
100	QPSK	1	137	20.78	20.84	20.63	22.0	0.0
100	QPSK	1	271	20.59	20.62	20.72		
100	QPSK	135	0	19.69	19.78	19.62	21.0	1.0
100	QPSK	135	69	20.93	20.88	20.96	22.0	0.0
100	QPSK	135	138	19.52	19.62	19.58	21.0	1.0
100	QPSK	270	0	19.95	19.98	19.93		
100	16QAM	1	1	20.69	20.72	20.61	21.0	1.0
100	64QAM	1	1	18.09	18.12	18.02	19.5	2.5
100	256QAM	1	1	16.14	16.16	16.12	17.5	4.5
Channel				508200	518598	526996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	20.95	20.95	20.95	22.0	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2538.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	20.90	21.02	20.90	22.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	20.98	20.93	20.95	22.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2528.02	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	20.99	20.99	20.86	22.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	20.88	20.89	20.95	22.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	20.95	21.00	20.89	22.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	20.95	20.87	20.86	22.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	20.94	20.88	20.99	0.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	20.89	20.96	20.95	22.0	0.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	20.94	20.95	20.93	22.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	20.86	20.88	20.96	22.0	0.0



Part270 n78 PC2 Ant6 DSI4 Main PA

BW [MHz]	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	21.00	3750			
100	1/2 BPSK	1	137	20.92			22.0	0.0
100	1/2 BPSK	1	271	20.90				
100	1/2 BPSK	135	0	21.01			22.0	0.0
100	1/2 BPSK	135	69	20.98			22.0	0.0
100	1/2 BPSK	135	138	20.97			22.0	0.0
100	1/2 BPSK	270	0	20.94			22.0	0.0
100	QPSK	1	1	21.03				
100	QPSK	1	137	20.96			22.0	0.0
100	QPSK	1	271	20.98				
100	QPSK	135	0	20.75			22.0	0.0
100	QPSK	135	69	21.01			22.0	0.0
100	QPSK	135	138	20.87			22.0	0.0
100	QPSK	270	0	20.93			22.0	0.0
100	16QAM	1	1	20.96			22.0	0.0
100	64QAM	1	1	20.80			22.0	0.0
100	256QAM	1	1	20.41			22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650334	limit (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3745.02	3750	3753.01	limit (dB)	
Channel								
Frequency (MHz)								
70	QPSK	1	1	649334	650000	650668	limit (dB)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3740.01	3750	3760.02	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	648668	650000	651334	limit (dB)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3730.02	3750	3770.01	limit (dB)	
Channel								
Frequency (MHz)								
30	QPSK	1	1	648334	650000	651668	limit (dB)	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	648000	650000	652000	limit (dB)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	3715.02	3750	3785.01	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	647668	650000	652334	limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3710.01	3750	3790.02	limit (dB)	
Channel								
Frequency (MHz)								
10	QPSK	1	1	647334	650000	652668	limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	limit (dB)	
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.97	20.90	20.91	22.0	0.0

Part27Q n78 Ant6 PA DSI4 Main PA

BW [MHz]	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	18.15	3500.01			
100	1/2 BPSK	1	137	18.10			18.7	0.0
100	1/2 BPSK	1	271	18.24				
100	1/2 BPSK	135	0	18.22			18.7	0.0
100	1/2 BPSK	135	69	18.12			18.7	0.0
100	1/2 BPSK	135	138	18.23			18.7	0.0
100	1/2 BPSK	270	0	18.24			18.7	0.0
100	QPSK	1	1	18.36				
100	QPSK	1	137	18.21			18.7	0.0
100	QPSK	1	271	17.95				
100	QPSK	135	0	18.11			18.7	0.0
100	QPSK	135	69	18.27			18.7	0.0
100	QPSK	135	138	18.05			18.7	0.0
100	QPSK	270	0	18.31			18.7	0.0
100	16QAM	1	1	18.15			18.7	0.0
100	64QAM	1	1	18.22			18.7	0.0
100	256QAM	1	1	18.31			18.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	limit (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	limit (dB)	
Channel								
Frequency (MHz)								
70	QPSK	1	1	632668	633334	634000	limit (dB)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3490.02	3500.01	3510	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	632000	633334	634668	limit (dB)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3480	3500.01	3520.02	limit (dB)	
Channel								
Frequency (MHz)								
30	QPSK	1	1	631668	633334	635000	limit (dB)	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	631000	633334	635668	limit (dB)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	3475.02	3500.01	3525	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	630668	633334	636000	limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3465.01	3500.01	3545.01	limit (dB)	
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.23	18.32	18.24	18.7	0.0

Part27Q n78 PC2 Ant6 DSI4 Main PA

BW [MHz]	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	21.13	3500.01			
100	1/2 BPSK	1	137	21.19			22.0	0.0
100	1/2 BPSK	1	271	21.14				
100	1/2 BPSK	135	0	21.18			22.0	0.0
100	1/2 BPSK	135	69	21.25			22.0	0.0
100	1/2 BPSK	135	138	21.25			22.0	0.0
100	1/2 BPSK	270	0	21.13			22.0	0.0
100	QPSK	1	1	21.29				
100	QPSK	1	137	21.26			22.0	0.0
100	QPSK	1	271	21.00				
100	QPSK	135	0	21.08			22.0	0.0
100	QPSK	135	69	21.23			22.0	0.0
100	QPSK	135	138	21.11			22.0	0.0
100	QPSK	270	0	21.26			22.0	0.0
100	16QAM	1	1	21.25			22.0	0.0
100	64QAM	1	1	21.03			22.0	0.0
100	256QAM	1	1	20.59			22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	limit (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	limit (dB)	
Channel								
Frequency (MHz)								
70	QPSK	1	1	632668	633334	634000	limit (dB)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3490.02	3500.01	3510	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	632000	633334	634668	limit (dB)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3480	3500.01	3520.02	limit (dB)	
Channel								
Frequency (MHz)								
30	QPSK	1	1	631668	633334	635000	limit (dB)	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	631000	633334	635668	limit (dB)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	3475.02	3500.01	3525	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	630668	633334	636000	limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3465.01	3500.01	3545.01	limit (dB)	
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.21	21.27	21.18	22.0	0.0

Part270 n78 PC2 Ant7 DSI4 Main PA

BW (MHz)	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	24.74			26.5	0.0
100	1/2 BPSK	1	137	24.78				
100	1/2 BPSK	1	271	24.85				
100	1/2 BPSK	135	0	24.61			26.0	0.5
100	1/2 BPSK	135	69	24.76			26.5	0.0
100	1/2 BPSK	135	138	24.29			26.0	0.5
100	1/2 BPSK	270	0	24.33				
100	QPSK	1	1	24.81			26.5	0.0
100	QPSK	1	137	24.72				
100	QPSK	1	271	24.83				
100	QPSK	135	0	24.67			25.5	1.0
100	QPSK	135	69	24.77			26.5	0.0
100	QPSK	135	138	23.72			25.5	1.0
100	QPSK	270	0	23.86				
100	16QAM	1	1	23.77			25.5	1.0
100	64QAM	1	1	22.23			24.0	2.5
100	256QAM	1	1	20.35			22.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.79	24.94	24.64	26.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.74	24.73	24.73	26.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.65	24.76	24.72	26.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.72	24.70	24.65	26.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.65	24.67	24.64	26.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.65	24.76	24.74	26.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.75	24.63	24.70	26.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	24.68	24.68	24.78	26.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.69	24.69	24.73	26.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.74	24.63	24.63	26.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.63	24.78	24.64	26.5	0.0

Part27Q n78 Ant7 PA DSI4 Main PA

BW (MHz)	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	23.21			24.5	0.0
100	1/2 BPSK	1	137	23.32				
100	1/2 BPSK	1	271	23.13				
100	1/2 BPSK	135	0	23.25			24.5	0.0
100	1/2 BPSK	135	69	23.17			24.5	0.0
100	1/2 BPSK	135	138	23.34			24.5	0.0
100	1/2 BPSK	270	0	23.15				
100	QPSK	1	1	23.36			24.5	0.0
100	QPSK	1	137	23.21				
100	QPSK	1	271	23.02				
100	QPSK	135	0	23.31			24.5	0.0
100	QPSK	135	69	23.32			24.5	0.0
100	QPSK	135	138	23.28			24.5	0.0
100	QPSK	270	0	23.25				
100	16QAM	1	1	23.15			24.5	0.0
100	64QAM	1	1	22.61			24.0	0.5
100	256QAM	1	1	20.66			22.0	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.23	23.24	23.19	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.15	23.20	23.24	24.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.21	23.25	23.30	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.23	23.25	23.30	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.19	23.24	23.34	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.22	23.25	23.19	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.26	23.26	23.23	24.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.22	23.32	23.22	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.23	23.24	23.30	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.31	23.24	23.30	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.29	23.28	23.25	24.5	0.0

Part27Q n78 PC2 Ant7 DSI4 Main PA

BW (MHz)	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	25.15			26.5	0.0
100	1/2 BPSK	1	137	25.12				
100	1/2 BPSK	1	271	25.00				
100	1/2 BPSK	135	0	25.04			26.0	0.5
100	1/2 BPSK	135	69	25.17			26.5	0.0
100	1/2 BPSK	135	138	24.75			26.0	0.5
100	1/2 BPSK	270	0	24.66				
100	QPSK	1	1	25.27			26.5	0.0
100	QPSK	1	137	25.05				
100	QPSK	1	271	25.04				
100	QPSK	135	0	25.08			25.5	1.0
100	QPSK	135	69	25.22			26.5	0.0
100	QPSK	135	138	24.96			25.5	1.0
100	QPSK	270	0	24.24				
100	16QAM	1	1	24.16			25.5	1.0
100	64QAM	1	1	22.57			24.0	2.5
100	256QAM	1	1	20.79			22.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.24	25.20	25.23	26.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.12	25.25	25.14	26.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.21	25.15	25.18	26.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.09	25.18	25.22	26.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.19	25.18	25.10	26.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.12	25.16	25.11	26.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.18	25.12	25.17	26.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	25.20	25.16	25.18	26.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.11	25.09	25.14	26.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.10	25.23	25.16	26.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.13	25.24	25.21	26.5	0.0



Part27Q n77 Ant8 DSI4 Main PA

BW [MHz]	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	19.05	3500.01			
100	1/2 BPSK	1	137	19.05			20.5	0.0
100	1/2 BPSK	1	271	19.05				
100	1/2 BPSK	135	0	19.05			20.5	0.0
100	1/2 BPSK	135	69	19.01			20.5	0.0
100	1/2 BPSK	135	138	18.91			20.5	0.0
100	1/2 BPSK	270	0	18.92			20.5	0.0
100	QPSK	1	137	18.93			20.5	0.0
100	QPSK	1	137	18.93			20.5	0.0
100	QPSK	1	271	18.92				
100	QPSK	135	0	19.01			20.5	0.0
100	QPSK	135	69	19.04			20.5	0.0
100	QPSK	135	138	19.03			20.5	0.0
100	QPSK	270	0	19.01			20.5	0.0
100	16QAM	1	1	18.93			20.5	0.0
100	16QAM	1	1	18.79			20.5	0.0
100	256QAM	1	1	17.53			19.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.94	18.87	18.95	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.93	18.92	18.97	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.90	18.92	18.97	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.01	18.88	18.98	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.01	18.85	19.03	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.90	18.97	18.99	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.98	18.95	19.02	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.98	18.90	19.02	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.96	18.92	18.98	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.00	18.93	19.02	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.92	18.90	18.97	20.5	0.0

Part27Q n77 PC2 Ant8 DSI4 Main PA

BW [MHz]	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	22.03	3500.01			
100	1/2 BPSK	1	137	21.96			23.5	0.0
100	1/2 BPSK	1	271	22.00				
100	1/2 BPSK	135	0	21.40			23.0	0.5
100	1/2 BPSK	135	69	22.02			23.5	0.0
100	1/2 BPSK	135	138	21.54			23.0	0.5
100	1/2 BPSK	270	0	21.57			23.5	0.0
100	QPSK	1	137	22.04			23.5	0.0
100	QPSK	1	137	22.00			23.5	0.0
100	QPSK	1	271	21.97				
100	QPSK	135	0	21.05			22.5	1.0
100	QPSK	135	69	22.03			23.5	0.0
100	QPSK	135	138	20.99			22.5	1.0
100	QPSK	270	0	21.05			22.5	1.0
100	16QAM	1	1	20.83			22.5	1.0
100	16QAM	1	1	19.03			21.0	2.5
100	256QAM	1	1	17.56			19.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.94	21.99	21.94	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.95	21.92	22.01	23.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.91	21.87	21.91	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.89	21.89	21.87	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.92	21.86	22.00	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.96	21.93	21.97	23.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.91	21.95	21.98	23.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.96	21.90	21.92	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.90	21.88	21.89	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.92	21.84	21.89	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.90	22.02	21.89	23.5	0.0

Part27Q n78 Ant8 DSI4 Main PA

BW [MHz]	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	19.11	3500.01			
100	1/2 BPSK	1	137	19.10			20.5	0.0
100	1/2 BPSK	1	271	19.16				
100	1/2 BPSK	135	0	19.12			20.5	0.0
100	1/2 BPSK	135	69	19.23			20.5	0.0
100	1/2 BPSK	135	138	18.96			20.5	0.0
100	1/2 BPSK	270	0	18.06			20.5	0.0
100	QPSK	1	137	19.16			20.5	0.0
100	QPSK	1	137	19.16			20.5	0.0
100	QPSK	1	271	19.15				
100	QPSK	135	0	19.15			20.5	0.0
100	QPSK	135	69	19.26			20.5	0.0
100	QPSK	135	138	19.15			20.5	0.0
100	QPSK	270	0	19.24			20.5	0.0
100	16QAM	1	1	19.06			20.5	0.0
100	16QAM	1	1	18.94			20.5	0.0
100	256QAM	1	1	17.70			19.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.16	19.17	19.14	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.20	19.23	19.12	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.15	19.24	19.11	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.15	19.24	19.19	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.16	19.28	19.10	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.14	19.20	19.10	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.13	19.17	19.09	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.20	19.27	19.09	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.16	19.18	19.12	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.21	19.19	19.09	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.19	19.25	19.18	20.5	0.0



Part27O n78 PC2 Ant8 DSI4 Main PA

Table with 12 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dbm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation schemes like 1/2 BPSK, QPSK, and 16QAM across different bandwidths (100, 90, 80, 70, 60, 50, 40, 30, 25, 20, 15, 10 MHz).

Part27Q n78 Ant8 PA DSI4 Main PA

Table with 12 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dbm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation schemes like 1/2 BPSK, QPSK, and 16QAM across different bandwidths (100, 90, 80, 70, 60, 50, 40, 30, 25, 20, 15, 10 MHz).

Part27Q n78 PC2 Ant8 DSI4 Main PA

Table with 12 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dbm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation schemes like 1/2 BPSK, QPSK, and 16QAM across different bandwidths (100, 90, 80, 70, 60, 50, 40, 30, 25, 20, 15, 10 MHz).

Reduced Power SA Mode for DSI4

Part27O n77 Ant7 DSI4 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch./Freq.	Middle Ch./Freq.	High Ch./Freq.		
Channel								
Frequency (MHz)								
100	1/2 BPSK	1	1	19.96	20.03	19.93		
100	1/2 BPSK	1	137	20.01	19.98	20.01	21.5	0.0
100	1/2 BPSK	1	271	19.92	20.05	19.91		
100	1/2 BPSK	135	0	19.85	19.95	19.80	21.5	0.0
100	1/2 BPSK	135	69	19.85	19.95	19.87	21.5	0.0
100	1/2 BPSK	135	138	19.91	20.05	19.94		
100	1/2 BPSK	270	0	19.93	20.02	19.89	21.5	0.0
100	QPSK	1	1	19.97	20.10	20.09		
100	QPSK	1	137	19.97	20.03	19.80	21.5	0.0
100	QPSK	1	271	19.89	19.91	19.62		
100	QPSK	135	0	19.96	20.00	19.98	21.5	0.0
100	QPSK	135	69	19.93	20.01	19.91	21.5	0.0
100	QPSK	135	138	19.89	19.99	19.97	21.5	0.0
100	QPSK	270	0	19.96	20.06	20.01		
100	16QAM	1	1	19.85	20.03	19.86	21.5	0.0
100	64QAM	1	1	20.00	20.04	19.89	21.5	0.0
100	256QAM	1	1	19.87	19.98	19.87	21.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3933.01	limit (dB)	
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.84	19.97	19.95	21.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.88	19.94	19.95	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3840	3950.01	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.89	19.96	20.04	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.85	19.96	20.03	21.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.85	19.97	20.00	21.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.82	19.90	19.98	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3840	3970.02	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.79	19.88	19.93	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.90	19.96	20.00	21.5	0.0

Part27O n77 PC2 Ant7 DSI4 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch./Freq.	Middle Ch./Freq.	High Ch./Freq.		
Channel								
Frequency (MHz)								
100	1/2 BPSK	1	1	21.91	21.96	21.96		
100	1/2 BPSK	1	137	21.88	21.99	21.90	23.5	0.0
100	1/2 BPSK	1	271	21.69	21.74	21.74		
100	1/2 BPSK	135	0	22.50	22.49	22.35	23.0	0.5
100	1/2 BPSK	135	69	21.76	21.81	21.95	23.5	0.0
100	1/2 BPSK	135	138	21.90	22.09	22.33		
100	1/2 BPSK	270	0	21.95	21.99	21.86	23.0	0.5
100	QPSK	1	1	21.83	22.82	21.99		
100	QPSK	1	137	21.92	22.02	21.90	23.5	0.0
100	QPSK	1	271	21.67	21.81	21.88		
100	QPSK	135	0	22.68	22.72	22.70	23.5	0.0
100	QPSK	135	69	21.88	22.04	21.88	23.5	0.0
100	QPSK	135	138	21.86	21.94	21.84	23.5	0.0
100	QPSK	270	0	21.97	22.09	22.02		
100	16QAM	1	1	21.86	21.94	21.89	23.5	0.0
100	64QAM	1	1	21.76	21.89	21.77	23.5	0.0
100	256QAM	1	1	20.31	20.33	20.23	22.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	656000	662334	limit (dB)	
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.81	22.07	21.91	23.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.80	21.98	21.89	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3840	3950.01	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.79	19.97	21.82	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.73	22.05	21.86	23.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.82	22.04	21.86	23.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.73	22.02	21.80	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3840	3970.02	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.82	21.99	21.89	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.76	22.03	21.83	23.5	0.0

Part27Q n77 Ant7 DSI4 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch./Freq.	Middle Ch./Freq.	High Ch./Freq.		
Channel								
Frequency (MHz)								
100	1/2 BPSK	1	1		3500.01			
100	1/2 BPSK	1	137		20.34		21.5	0.0
100	1/2 BPSK	1	271		20.39			
100	1/2 BPSK	135	0		20.26		21.5	0.0
100	1/2 BPSK	135	69		20.33		21.5	0.0
100	1/2 BPSK	135	138		20.39			
100	1/2 BPSK	270	0		20.22		21.5	0.0
100	QPSK	1	1		20.41			
100	QPSK	1	137		20.39		21.5	0.0
100	QPSK	1	271		19.98			
100	QPSK	135	0		20.21		21.5	0.0
100	QPSK	135	69		20.40		21.5	0.0
100	QPSK	135	138		20.21		21.5	0.0
100	QPSK	270	0		20.34			
100	16QAM	1	1		20.28		21.5	0.0
100	64QAM	1	1		20.32		21.5	0.0
100	256QAM	1	1		20.03		21.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	limit (dB)	
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.39	3500.01	3505.02	limit (dB)	
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.36	20.34	20.32	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.31	20.37	20.34	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	limit (dB)	
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.31	20.34	20.31	21.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.34	20.40	20.36	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.32	20.34	20.39	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.35	20.35	20.32	21.5	0.0



Part27Q n77 PC2 Ant7 DSI4 Main PA for ENDC

BW [MHz]	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		22.27			
100	1/2 BPSK	1	137		22.36		23.5	0.0
100	1/2 BPSK	1	271		22.16			
100	1/2 BPSK	135	0		22.16		23.5	0.0
100	1/2 BPSK	135	69		22.35		23.5	0.0
100	1/2 BPSK	135	138		22.30			
100	1/2 BPSK	270	0		22.39		23.5	0.0
100	QPSK	1	1		22.42			
100	QPSK	1	137		22.40		23.5	0.0
100	QPSK	1	271		22.36			
100	QPSK	135	0		22.28		23.5	0.0
100	QPSK	135	69		22.32		23.5	0.0
100	QPSK	135	138		22.31		23.5	0.0
100	QPSK	270	0		22.36		23.5	0.0
100	16QAM	1	1		22.41		23.5	0.0
100	16QAM	1	1		22.09		23.5	0.0
100	256QAM	1	1		20.69		22.0	1.5
Channel 633000								
Frequency (MHz) 3500.01								
90	QPSK	1	1		22.37		23.5	0.0
Channel 632668								
Frequency (MHz) 3490.02								
80	QPSK	1	1		22.33		23.5	0.0
Channel 633334								
Frequency (MHz) 3495.01								
70	QPSK	1	1		22.28		23.5	0.0
Channel 632000								
Frequency (MHz) 3480.02								
60	QPSK	1	1		22.37		23.5	0.0
Channel 631668								
Frequency (MHz) 3475.02								
50	QPSK	1	1		22.31		23.5	0.0
Channel 631334								
Frequency (MHz) 3470.01								
40	QPSK	1	1		22.32		23.5	0.0
Channel 631000								
Frequency (MHz) 3465.01								
30	QPSK	1	1		22.36		23.5	0.0
Channel 630668								
Frequency (MHz) 3460.02								
20	QPSK	1	1		22.30		23.5	0.0
Channel 630300								
Frequency (MHz) 3455.01								
15	QPSK	1	1		22.33		23.5	0.0
Channel 630000								
Frequency (MHz) 3450.01								
10	QPSK	1	1		22.35		23.5	0.0

Part27O n78 Ant7 DSI4 Main PA for ENDC

BW [MHz]	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		19.84			
100	1/2 BPSK	1	137		19.83		21.5	0.0
100	1/2 BPSK	1	271		19.61			
100	1/2 BPSK	135	0		19.77		21.5	0.0
100	1/2 BPSK	135	69		19.77		21.5	0.0
100	1/2 BPSK	135	138		19.87			
100	1/2 BPSK	270	0		19.76		21.5	0.0
100	QPSK	1	1		19.93			
100	QPSK	1	137		19.85		21.5	0.0
100	QPSK	1	271		19.51			
100	QPSK	135	0		19.85		21.5	0.0
100	QPSK	135	69		19.88		21.5	0.0
100	QPSK	135	138		19.78		21.5	0.0
100	QPSK	270	0		19.75		21.5	0.0
100	16QAM	1	1		19.68		21.5	0.0
100	16QAM	1	1		19.72		21.5	0.0
100	256QAM	1	1		19.78		21.5	0.0
Channel 649668								
Frequency (MHz) 3745.02								
90	QPSK	1	1		19.72		21.5	0.0
Channel 649334								
Frequency (MHz) 3740.01								
80	QPSK	1	1		19.75		21.5	0.0
Channel 649000								
Frequency (MHz) 3735.01								
70	QPSK	1	1		19.78		21.5	0.0
Channel 648668								
Frequency (MHz) 3730.02								
60	QPSK	1	1		19.70		21.5	0.0
Channel 648334								
Frequency (MHz) 3725.01								
50	QPSK	1	1		19.76		21.5	0.0
Channel 648000								
Frequency (MHz) 3720.01								
40	QPSK	1	1		19.75		21.5	0.0
Channel 647668								
Frequency (MHz) 3715.02								
30	QPSK	1	1		19.68		21.5	0.0
Channel 647500								
Frequency (MHz) 3712.5								
25	QPSK	1	1		19.78		21.5	0.0
Channel 647334								
Frequency (MHz) 3710.01								
20	QPSK	1	1		19.71		21.5	0.0
Channel 647168								
Frequency (MHz) 3707.52								
15	QPSK	1	1		19.69		21.5	0.0
Channel 647000								
Frequency (MHz) 3705								
10	QPSK	1	1		19.78		21.5	0.0

Part27O n78 PC2 Ant7 DSI4 Main PA for ENDC

BW [MHz]	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		21.71			
100	1/2 BPSK	1	137		21.74		23.5	0.0
100	1/2 BPSK	1	271		21.59			
100	1/2 BPSK	135	0		21.78		23.5	0.0
100	1/2 BPSK	135	69		21.78		23.5	0.0
100	1/2 BPSK	135	138		21.77			
100	1/2 BPSK	270	0		21.75		23.5	0.0
100	QPSK	1	1		21.79			
100	QPSK	1	137		21.65		23.5	0.0
100	QPSK	1	271		21.59			
100	QPSK	135	0		21.62		23.5	0.0
100	QPSK	135	69		21.74		23.5	0.0
100	QPSK	135	138		21.66		23.5	0.0
100	QPSK	270	0		21.70		23.5	0.0
100	16QAM	1	1		21.74		23.5	0.0
100	16QAM	1	1		21.75		23.5	0.0
100	256QAM	1	1		20.35		22.0	1.5
Channel 649668								
Frequency (MHz) 3745.02								
90	QPSK	1	1		21.73		23.5	0.0
Channel 649334								
Frequency (MHz) 3740.01								
80	QPSK	1	1		21.53		23.5	0.0
Channel 649000								
Frequency (MHz) 3735.01								
70	QPSK	1	1		21.51		23.5	0.0
Channel 648668								
Frequency (MHz) 3730.02								
60	QPSK	1	1		21.73		23.5	0.0
Channel 648334								
Frequency (MHz) 3725.01								
50	QPSK	1	1		21.60		23.5	0.0
Channel 648000								
Frequency (MHz) 3720.01								
40	QPSK	1	1		21.53		23.5	0.0
Channel 647668								
Frequency (MHz) 3715.02								
30	QPSK	1	1		21.77		23.5	0.0
Channel 647500								
Frequency (MHz) 3712.5								
25	QPSK	1	1		21.51		23.5	0.0
Channel 647334								
Frequency (MHz) 3710.01								
20	QPSK	1	1		21.54		23.5	0.0
Channel 647168								
Frequency (MHz) 3707.52								
15	QPSK	1	1		21.73		23.5	0.0
Channel 647000								
Frequency (MHz) 3705								
10	QPSK	1	1		21.52		23.5	0.0



Part27Q n78 Ant7 PA DSI4 Main PA for ENDC							
BW [MHz]	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	20.17			
100	1/2 BPSK	1	137	20.34			21.5 0.0
100	1/2 BPSK	1	271	20.18			
100	1/2 BPSK	135	0	20.24			21.5 0.0
100	1/2 BPSK	135	69	20.26			21.5 0.0
100	1/2 BPSK	135	138	20.29			21.5 0.0
100	1/2 BPSK	270	0	20.17			21.5 0.0
100	QPSK	1	1	20.39			
100	QPSK	1	137	20.19			21.5 0.0
100	QPSK	1	271	20.00			
100	QPSK	135	0	20.30			21.5 0.0
100	QPSK	135	69	20.33			21.5 0.0
100	QPSK	135	138	20.28			21.5 0.0
100	QPSK	270	0	20.25			21.5 0.0
100	16QAM	1	1	20.18			21.5 0.0
100	64QAM	1	1	20.12			21.5 0.0
100	256QAM	1	1	20.05			21.5 0.0
Channel 633000 633334 633668							
Frequency (MHz) 3495 3500.01 3505.02							
90	QPSK	1	1	20.24	20.24	20.19	21.5 0.0
Channel 632668 633334 634000							
Frequency (MHz) 3490.02 3500.01 3510							
80	QPSK	1	1	20.27	20.23	20.19	21.5 0.0
Channel 632334 633334 634334							
Frequency (MHz) 3485.01 3500.01 3515.01							
70	QPSK	1	1	20.28	20.20	20.15	21.5 0.0
Channel 632000 633334 634668							
Frequency (MHz) 3480 3500.01 3520.02							
80	QPSK	1	1	20.29	20.19	20.14	21.5 0.0
Channel 631668 633334 635000							
Frequency (MHz) 3475.02 3500.01 3525							
50	QPSK	1	1	20.19	20.27	20.19	21.5 0.0
Channel 631334 633334 635334							
Frequency (MHz) 3470.01 3500.01 3530.01							
40	QPSK	1	1	20.29	20.27	20.22	21.5 0.0
Channel 631000 633334 635668							
Frequency (MHz) 3465 3500.01 3535.02							
30	QPSK	1	1	20.20	20.29	20.13	21.5 0.0
Channel 630668 633334 636000							
Frequency (MHz) 3460.02 3500.01 3540							
20	QPSK	1	1	20.20	20.25	20.10	21.5 0.0
Channel 630334 633334 636334							
Frequency (MHz) 3455.01 3500.01 3545.01							
15	QPSK	1	1	20.24	20.25	20.20	21.5 0.0
Channel 630000 633334 636668							
Frequency (MHz) 3450.01 3500.01 3540.01							
10	QPSK	1	1	20.28	20.29	20.17	21.5 0.0

Part27Q n78 PC2 Ant7 DSI4 Main PA for ENDC							
BW [MHz]	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	22.12			
100	1/2 BPSK	1	137	22.08			23.5 0.0
100	1/2 BPSK	1	271	21.95			
100	1/2 BPSK	135	0	22.28			23.5 0.0
100	1/2 BPSK	135	69	22.22			23.5 0.0
100	1/2 BPSK	135	138	22.22			23.5 0.0
100	1/2 BPSK	270	0	22.16			23.5 0.0
100	QPSK	1	1	22.33			
100	QPSK	1	137	22.02			23.5 0.0
100	QPSK	1	271	22.05			
100	QPSK	135	0	22.24			23.5 0.0
100	QPSK	135	69	22.25			23.5 0.0
100	QPSK	135	138	22.04			23.5 0.0
100	QPSK	270	0	22.42			23.5 0.0
100	16QAM	1	1	22.17			23.5 0.0
100	64QAM	1	1	22.01			23.5 0.0
100	256QAM	1	1	20.79			22.0 1.5
Channel 633000 633334 633668							
Frequency (MHz) 3495 3500.01 3505.02							
90	QPSK	1	1	22.23	22.17	22.13	23.5 0.0
Channel 632668 633334 634000							
Frequency (MHz) 3490.02 3500.01 3510							
80	QPSK	1	1	22.27	22.17	22.17	23.5 0.0
Channel 632334 633334 634334							
Frequency (MHz) 3485.01 3500.01 3515.01							
70	QPSK	1	1	22.19	22.25	22.29	23.5 0.0
Channel 632000 633334 634668							
Frequency (MHz) 3480 3500.01 3520.02							
80	QPSK	1	1	22.21	22.22	22.22	23.5 0.0
Channel 631668 633334 635000							
Frequency (MHz) 3475.02 3500.01 3525							
50	QPSK	1	1	22.28	22.21	22.27	23.5 0.0
Channel 631334 633334 635334							
Frequency (MHz) 3470.01 3500.01 3530.01							
40	QPSK	1	1	22.23	22.25	22.20	23.5 0.0
Channel 631000 633334 635668							
Frequency (MHz) 3465 3500.01 3535.02							
30	QPSK	1	1	22.23	22.24	22.25	23.5 0.0
Channel 630668 633334 636000							
Frequency (MHz) 3460.02 3500.01 3540							
20	QPSK	1	1	22.24	22.18	22.17	23.5 0.0
Channel 630334 633334 636334							
Frequency (MHz) 3455.01 3500.01 3545.01							
15	QPSK	1	1	22.20	22.18	22.22	23.5 0.0
Channel 630000 633334 636668							
Frequency (MHz) 3450.01 3500.01 3540.01							
10	QPSK	1	1	22.30	22.21	22.25	23.5 0.0



Reduced Power SA Mode for DSI5

n5 Ant0 Default Main PA									
BW [MHz]	Modulation	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	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	24.39	24.42	24.37			
20	1/2 BPSK	1	53	24.25	24.28	24.13	25.5	0.0	
20	1/2 BPSK	1	104	24.02	24.19	24.03			
20	1/2 BPSK	50	0	23.67	23.77	23.06	25.0	0.5	
20	1/2 BPSK	50	28	23.08	24.14	23.07	25.5	0.0	
20	1/2 BPSK	50	56	23.52	23.65	23.58	25.0	0.5	
20	1/2 BPSK	100	0	23.67	23.83	23.88			
20	QPSK	1	1	24.43	24.45	24.41			
20	QPSK	1	53	24.30	24.33	24.29	25.5	0.0	
20	QPSK	1	104	24.15	24.27	24.14			
20	QPSK	50	0	23.10	23.22	23.08	24.5	1.0	
20	QPSK	50	28	24.26	24.37	24.25	25.5	0.0	
20	QPSK	50	56	23.07	23.14	22.99	24.5	1.0	
20	QPSK	100	0	23.37	23.39	23.23			
20	16QAM	1	1	23.30	23.36	23.30	24.5	1.0	
20	64QAM	1	1	21.76	21.87	21.78	23.0	2.5	
20	256QAM	1	1	19.58	19.75	19.66	21.0	4.5	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5	limit (dB)		
15	QPSK	1	1	24.33	24.39	24.23	25.5	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844	limit (dB)		
10	QPSK	1	1	24.30	24.29	24.24	25.5	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				828.5	836.5	846.5	limit (dB)		
5	QPSK	1	1	24.31	24.28	24.34	25.5	0.0	

n5 Ant1 DSI5 Main PA								
BW (MHz)	Modulation	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	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	21.36	21.42	21.30		
20	1/2 BPSK	1	53	21.18	21.26	21.24	22.5	0.0
20	1/2 BPSK	1	104	21.04	21.23	21.02		
20	1/2 BPSK	50	0	21.12	21.30	21.17	22.5	0.0
20	1/2 BPSK	50	28	21.27	21.26	21.17	22.5	0.0
20	1/2 BPSK	50	56	20.99	21.13	21.04	22.5	0.0
20	1/2 BPSK	100	0	21.28	21.36	21.24		
20	QPSK	1	1	21.34	21.47	21.39		
20	QPSK	1	53	21.20	21.25	21.17	22.5	0.0
20	QPSK	1	104	21.00	21.10	21.01		
20	QPSK	50	0	21.09	21.24	21.02	22.5	0.0
20	QPSK	50	28	21.29	21.38	21.31	22.5	0.0
20	QPSK	50	56	21.10	21.06	21.01	22.5	0.0
20	QPSK	100	0	21.35	21.47	21.25		
20	16QAM	1	1	21.23	21.39	21.35	22.5	0.0
20	64QAM	1	1	21.25	21.34	21.28	22.5	0.0
20	256QAM	1	1	19.67	19.73	19.65	21.0	1.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	21.29	21.44	21.42	22.5	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit	(dB)
10	QPSK	1	1	21.27	21.40	21.34	22.5	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	21.33	21.42	21.31	22.5	0.0



n38 Ant2 DSI5 Main PA								
BW [MHz]	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	16.54	16.64	16.52		
40	1/2 BPSK	1	53	16.16	16.41	16.15	17.5	0.0
40	1/2 BPSK	1	104	16.29	16.25	16.23		
40	1/2 BPSK	50	0	16.39	16.42	16.27	17.5	0.0
40	1/2 BPSK	50	28	16.42	16.40	16.25	17.5	0.0
40	1/2 BPSK	50	56	16.24	16.33	16.26		
40	1/2 BPSK	100	0	16.47	16.44	16.35	17.5	0.0
40	QPSK	1	1	16.62	16.66	16.60		
40	QPSK	1	53	16.31	16.48	16.31	17.5	0.0
40	QPSK	1	104	16.37	16.36	16.29		
40	QPSK	50	0	16.40	16.47	16.37	17.5	0.0
40	QPSK	50	28	16.42	16.50	16.41	17.5	0.0
40	QPSK	50	56	16.14	16.23	16.19	17.5	0.0
40	QPSK	100	0	16.41	16.44	16.38		
40	16QAM	1	1	16.38	16.50	16.27	17.5	0.0
40	64QAM	1	1	16.24	16.37	16.28	17.5	0.0
40	256QAM	1	1	16.28	16.38	16.20	17.5	0.0
Channel				517002	518000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	16.45	16.50	16.47	17.5	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	16.51	16.44	16.45	17.5	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	16.45	16.48	16.39	17.5	0.0
Channel				515502	519000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	16.52	16.51	16.38	17.5	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	16.45	16.53	16.44	17.5	0.0

n41 Ant2 DSI5 Main PA								
BW [MHz]	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	16.50	16.61	16.49		
100	1/2 BPSK	1	137	16.15	16.25	16.15	17.5	0.0
100	1/2 BPSK	1	271	16.23	16.25	16.21		
100	1/2 BPSK	135	0	16.40	16.47	16.24	17.5	0.0
100	1/2 BPSK	135	69	16.36	16.49	16.31	17.5	0.0
100	1/2 BPSK	135	138	16.35	16.37	16.25		
100	1/2 BPSK	270	0	16.45	16.52	16.22	17.5	0.0
100	QPSK	1	1	16.57	16.68	16.60		
100	QPSK	1	137	16.46	16.43	16.36	17.5	0.0
100	QPSK	1	271	16.35	16.39	16.36		
100	QPSK	135	0	16.30	16.40	16.35	17.5	0.0
100	QPSK	135	69	16.35	16.43	16.32	17.5	0.0
100	QPSK	135	138	16.07	16.18	16.20	17.5	0.0
100	QPSK	270	0	16.40	16.49	16.26		
100	16QAM	1	1	16.36	16.50	16.20	17.5	0.0
100	64QAM	1	1	16.21	16.43	16.29	17.5	0.0
100	256QAM	1	1	16.34	16.37	16.24	17.5	0.0
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	16.41	16.57	16.46	17.5	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2533.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	16.49	16.61	16.43	17.5	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	16.48	16.54	16.50	17.5	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2529.99	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	16.52	16.65	16.58	17.5	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	16.49	16.58	16.53	17.5	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	16.45	16.64	16.50	17.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	16.41	16.60	16.56	17.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	16.47	16.54	16.49	0.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	16.49	16.60	16.54	17.5	0.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	16.43	16.60	16.54	17.5	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	16.49	16.63	16.53	17.5	0.0



n38 Ant3 DSI5 Main PA									
BW [MHz]	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	20.48	20.67	20.66			
40	1/2 BPSK	1	53	20.48	20.49	20.38	22.0	0.0	
40	1/2 BPSK	1	104	20.60	20.65	20.54			
40	1/2 BPSK	50	0	20.24	20.52	20.31	22.0	0.0	
40	1/2 BPSK	50	28	20.44	20.48	20.25	22.0	0.0	
40	1/2 BPSK	50	56	20.46	20.52	20.52			
40	1/2 BPSK	100	0	20.68	20.70	20.57	22.0	0.0	
40	QPSK	1	1	20.67	20.72	20.69			
40	QPSK	1	53	20.48	20.61	20.42	22.0	0.0	
40	QPSK	1	104	20.58	20.66	20.57			
40	QPSK	50	0	20.58	20.60	20.60	22.0	0.0	
40	QPSK	50	28	20.64	20.69	20.63	22.0	0.0	
40	QPSK	50	56	20.53	20.64	20.64			
40	QPSK	100	0	20.59	20.67	20.58	22.0	0.0	
40	16QAM	1	1	20.33	20.53	20.44	22.0	0.0	
40	16QAM	1	1	20.38	20.47	20.40	22.0	0.0	
40	256QAM	1	1	19.00	19.14	19.06	20.5	1.5	
Channel				517002	519000	520998	Tune-up	MPR	
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)	
30	QPSK	1	1	20.65	20.64	20.60	22.0	0.0	
Channel				516504	519000	521496	Tune-up	MPR	
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)	
25	QPSK	1	1	20.62	20.67	20.50	22.0	0.0	
Channel				516000	519000	522000	Tune-up	MPR	
Frequency (MHz)				2580	2595	2610	limit	(dB)	
20	QPSK	1	1	20.69	20.66	20.54	22.0	0.0	
Channel				515502	519000	522498	Tune-up	MPR	
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)	
15	QPSK	1	1	20.60	20.68	20.59	22.0	0.0	
Channel				515004	519000	522996	Tune-up	MPR	
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)	
10	QPSK	1	1	20.65	20.60	20.58	22.0	0.0	

n41 Ant3 DSI5 Main PA									
BW [MHz]	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	20.55	20.75	20.64			
100	1/2 BPSK	1	137	20.62	20.66	20.46	22.0	0.0	
100	1/2 BPSK	1	271	20.71	20.78	20.61			
100	1/2 BPSK	135	0	20.27	20.63	20.43	22.0	0.0	
100	1/2 BPSK	135	69	20.40	20.73	20.32	22.0	0.0	
100	1/2 BPSK	135	138	20.64	20.73	20.58			
100	1/2 BPSK	270	0	20.69	20.76	20.61	22.0	0.0	
100	QPSK	1	1	20.81	20.84	20.82			
100	QPSK	1	137	20.54	20.76	20.60	22.0	0.0	
100	QPSK	1	271	20.68	20.76	20.71			
100	QPSK	135	0	20.73	20.74	20.73	22.0	0.0	
100	QPSK	135	69	20.66	20.77	20.71	22.0	0.0	
100	QPSK	135	138	20.54	20.73	20.75			
100	QPSK	270	0	20.64	20.82	20.76	22.0	0.0	
100	16QAM	1	1	20.42	20.56	20.66	22.0	0.0	
100	16QAM	1	1	20.52	20.60	20.59	22.0	0.0	
100	256QAM	1	1	19.06	19.21	19.14	20.5	1.5	
Channel				508200	518598	528996	Tune-up	MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	20.43	20.63	20.62	22.0	0.0	
Channel				507204	518598	529998	Tune-up	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99	limit	(dB)	
80	QPSK	1	1	20.42	20.64	20.55	22.0	0.0	
Channel				506202	518598	531000	Tune-up	MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)	
70	QPSK	1	1	20.36	20.55	20.63	22.0	0.0	
Channel				505200	518598	531996	Tune-up	MPR	
Frequency (MHz)				2528.02	2592.99	2659.98	limit	(dB)	
60	QPSK	1	1	20.39	20.54	20.59	22.0	0.0	
Channel				504204	518598	532998	Tune-up	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)	
50	QPSK	1	1	20.44	20.55	20.53	22.0	0.0	
Channel				503202	518598	534000	Tune-up	MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)	
40	QPSK	1	1	20.37	20.64	20.58	22.0	0.0	
Channel				502200	518598	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)	
30	QPSK	1	1	20.46	20.53	20.58	22.0	0.0	
Channel				502200	518598	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)	
25	QPSK	1	1	20.47	20.64	20.65	0.0	0.0	
Channel				501204	518598	535998	Tune-up	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)	
20	QPSK	1	1	20.42	20.63	20.61	22.0	0.0	
Channel				500700	518598	536496	Tune-up	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)	
15	QPSK	1	1	20.46	20.64	20.55	22.0	0.0	
Channel				500202	518598	537000	Tune-up	MPR	
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)	
10	QPSK	1	1	20.39	20.63	20.57	22.0	0.0	



n7 Ant4 DSI5 Main PA									
BW [MHz]	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	18.04	18.21	18.10			
40	1/2 BPSK	1	108	18.15	18.19	18.11	19.5	0.0	
40	1/2 BPSK	1	214	18.17	18.11	18.16			
40	1/2 BPSK	108	0	18.05	18.18	18.07	19.5	0.0	
40	1/2 BPSK	108	54	18.18	18.22	18.06	19.5	0.0	
40	1/2 BPSK	108	108	17.94	18.13	17.90	19.5	0.0	
40	1/2 BPSK	216	0	17.98	18.03	17.96			
40	QPSK	1	1	18.23	18.24	18.19			
40	QPSK	1	108	18.02	18.12	18.12	19.5	0.0	
40	QPSK	1	214	18.16	18.20	18.03			
40	QPSK	108	0	18.06	18.16	17.98	19.5	0.0	
40	QPSK	108	54	18.07	18.23	18.22	19.5	0.0	
40	QPSK	108	108	18.07	18.11	18.05	19.5	0.0	
40	QPSK	216	0	18.10	18.20	18.19			
40	16QAM	1	1	17.94	18.09	18.03	19.5	0.0	
40	16QAM	1	1	17.82	18.03	17.99	19.5	0.0	
40	256QAM	1	1	17.89	18.00	17.99	19.5	0.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)	
35	QPSK	1	1	18.14	18.22	18.17	19.5	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit	(dB)	
30	QPSK	1	1	18.22	18.21	18.23	19.5	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)	
25	QPSK	1	1	18.13	18.16	18.23	19.5	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit	(dB)	
20	1/2 BPSK	1	1	18.20	18.17	18.16	19.5	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)	
15	QPSK	1	1	18.12	18.15	18.20	19.5	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit	(dB)	
10	QPSK	1	1	18.11	18.20	18.19	19.5	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)	
5	QPSK	1	1	18.21	18.18	18.20	19.5	0.0	

n66 Ant4 DSI5 Main PA									
BW [MHz]	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	19.18	19.36	19.14			
40	1/2 BPSK	1	108	19.26	19.15	19.27	20.5	0.0	
40	1/2 BPSK	1	214	19.25	19.20	19.16			
40	1/2 BPSK	108	0	19.07	19.32	19.08	20.5	0.0	
40	1/2 BPSK	108	54	19.33	19.33	19.22	20.5	0.0	
40	1/2 BPSK	108	108	19.10	19.22	18.93	20.5	0.0	
40	1/2 BPSK	216	0	19.05	19.21	19.10			
40	QPSK	1	1	19.33	19.41	19.34			
40	QPSK	1	108	19.14	19.27	19.28	20.5	0.0	
40	QPSK	1	214	19.19	19.38	19.17			
40	QPSK	108	0	19.13	19.28	19.07	20.5	0.0	
40	QPSK	108	54	19.22	19.37	19.31	20.5	0.0	
40	QPSK	108	108	19.14	19.29	19.10	20.5	0.0	
40	QPSK	216	0	19.27	19.37	19.23			
40	16QAM	1	1	19.08	19.10	19.07	20.5	0.0	
40	16QAM	1	1	19.01	19.10	19.12	20.5	0.0	
40	256QAM	1	1	19.09	19.21	19.01	20.5	0.0	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	19.33	19.36	19.19	20.5	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	19.28	19.33	19.24	20.5	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	19.23	19.36	19.25	20.5	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	19.32	19.39	19.26	20.5	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	19.32	19.40	19.19	20.5	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	19.29	19.35	19.21	20.5	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	19.25	19.33	19.25	20.5	0.0	



n38 Ant4 DSI5 Main PA								
BW [MHz]	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	18.15	18.28	18.04	19.5	0.0
40	1/2 BPSK	1	53	18.00	18.09	17.96		
40	1/2 BPSK	1	104	17.96	18.02	17.98		
40	1/2 BPSK	50	0	18.08	18.19	18.06	19.5	0.0
40	1/2 BPSK	50	28	18.03	18.19	18.15	19.5	0.0
40	1/2 BPSK	50	56	18.00	18.04	18.03	19.5	0.0
40	1/2 BPSK	100	0	17.95	18.14	17.92		
40	QPSK	1	1	18.30	18.33	18.23	19.5	0.0
40	QPSK	1	53	18.09	18.25	18.24	19.5	0.0
40	QPSK	1	104	17.96	18.05	17.90		
40	QPSK	50	0	18.26	18.27	18.24	19.5	0.0
40	QPSK	50	28	18.26	18.28	18.25	19.5	0.0
40	QPSK	50	56	17.91	18.08	17.95	19.5	0.0
40	QPSK	100	0	18.16	18.27	18.17	19.5	0.0
40	16QAM	1	1	18.13	18.17	18.10	19.5	0.0
40	16QAM	1	1	18.12	18.13	18.13	19.5	0.0
40	256QAM	1	1	18.00	18.13	18.09	19.5	0.0
Channel				517002	518000	520998	Tune-up	MPR
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	18.10	18.18	18.20	19.5	0.0
Channel				516504	519000	521496	Tune-up	MPR
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	18.14	18.19	18.10	19.5	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	18.06	18.21	18.14	19.5	0.0
Channel				515502	518000	522498	Tune-up	MPR
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)
15	QPSK	1	1	18.11	18.19	18.12	19.5	0.0
Channel				515004	519000	522996	Tune-up	MPR
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)
10	QPSK	1	1	18.04	18.22	18.19	19.5	0.0

n41 Ant4 DSI5 Main PA								
BW [MHz]	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	18.27	18.30	18.03	19.5	0.0
100	1/2 BPSK	1	137	17.86	18.13	18.09		
100	1/2 BPSK	1	271	18.00	18.03	17.94		
100	1/2 BPSK	135	0	17.97	18.23	18.07	19.5	0.0
100	1/2 BPSK	135	69	18.08	18.16	18.22	19.5	0.0
100	1/2 BPSK	135	138	17.87	18.11	17.99	19.5	0.0
100	1/2 BPSK	270	0	18.01	18.11	17.84		
100	QPSK	1	1	18.31	18.35	18.34	19.5	0.0
100	QPSK	1	137	18.21	18.25	18.20	19.5	0.0
100	QPSK	1	271	17.97	18.08	18.02		
100	QPSK	135	0	18.27	18.30	18.24	19.5	0.0
100	QPSK	135	69	18.26	18.32	18.23	19.5	0.0
100	QPSK	135	138	17.88	18.13	18.01	19.5	0.0
100	QPSK	270	0	18.08	18.28	18.23	19.5	0.0
100	16QAM	1	1	18.07	18.19	18.08	19.5	0.0
100	16QAM	1	1	18.05	18.18	18.09	19.5	0.0
100	256QAM	1	1	17.94	18.08	18.02	19.5	0.0
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	18.22	18.32	18.32	19.5	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2533.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	18.20	18.23	18.32	19.5	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	18.26	18.29	18.32	19.5	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2529	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	18.22	18.33	18.33	19.5	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	18.23	18.24	18.32	19.5	0.0
Channel				503202	518598	533996	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	18.22	18.30	18.33	19.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	18.24	18.33	18.28	19.5	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
25	QPSK	1	1	18.19	18.28	18.24	0.0	0.0
Channel				501204	518598	535998	Tune-up	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	18.28	18.29	18.31	19.5	0.0
Channel				500700	518598	536496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	18.21	18.32	18.33	19.5	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	18.20	18.30	18.22	19.5	0.0



n7 Ant5 DSI5 Main PA									
BW [MHz]	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	19.29	19.33	19.29			
40	1/2 BPSK	1	108	19.39	19.34	19.35	20.5	0.0	
40	1/2 BPSK	1	214	19.32	19.39	19.30			
40	1/2 BPSK	108	0	19.31	19.37	19.29	20.5	0.0	
40	1/2 BPSK	108	54	19.33	19.37	19.28	20.5	0.0	
40	1/2 BPSK	108	108	19.43	19.41	19.38	20.5	0.0	
40	1/2 BPSK	216	0	19.36	19.41	19.15			
40	QPSK	1	1	19.48	19.50	19.47			
40	QPSK	1	108	19.38	19.39	19.35	20.5	0.0	
40	QPSK	1	214	19.38	19.44	19.37			
40	QPSK	108	0	19.34	19.33	19.15	20.5	0.0	
40	QPSK	108	54	19.41	19.49	19.45	20.5	0.0	
40	QPSK	108	108	19.12	19.34	19.19	20.5	0.0	
40	QPSK	216	0	19.31	19.41	19.34			
40	16QAM	1	1	19.18	19.23	19.08	20.5	0.0	
40	64QAM	1	1	18.02	18.15	18.08	19.5	1.0	
40	256QAM	1	1	16.39	16.16	16.03	17.5	3.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)	
35	QPSK	1	1	19.43	19.47	19.41	20.5	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit	(dB)	
30	QPSK	1	1	19.49	19.49	19.33	20.5	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)	
25	QPSK	1	1	19.40	19.42	19.40	20.5	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit	(dB)	
20	1/2 BPSK	1	1	19.43	19.41	19.31	20.5	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)	
15	QPSK	1	1	19.47	19.42	19.34	20.5	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit	(dB)	
10	QPSK	1	1	19.46	19.45	19.39	20.5	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)	
5	QPSK	1	1	19.42	19.47	19.38	20.5	0.0	

n66 Ant5 DSI5 Main PA									
BW [MHz]	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	21.75	21.96	21.83			
40	1/2 BPSK	1	108	21.87	21.87	21.87	22.5	0.0	
40	1/2 BPSK	1	214	21.83	21.90	21.83			
40	1/2 BPSK	108	0	21.30	21.35	21.21	22.0	0.5	
40	1/2 BPSK	108	54	21.85	21.86	21.80	22.5	0.0	
40	1/2 BPSK	108	108	21.31	21.49	21.32	22.0	0.5	
40	1/2 BPSK	216	0	21.31	21.43	21.15			
40	QPSK	1	1	21.96	21.99	21.92			
40	QPSK	1	108	21.80	21.89	21.72	22.5	0.0	
40	QPSK	1	214	21.91	21.89	21.88			
40	QPSK	108	0	20.77	20.76	20.70	21.5	1.0	
40	QPSK	108	54	21.75	21.95	21.91	22.5	0.0	
40	QPSK	108	108	20.88	20.71	20.70	21.5	1.0	
40	QPSK	216	0	20.82	20.93	20.88			
40	16QAM	1	1	20.59	20.80	20.59	21.5	1.0	
40	64QAM	1	1	19.15	19.16	19.04	20.0	2.5	
40	256QAM	1	1	17.09	17.19	17.05	18.0	4.5	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	21.91	21.81	21.84	0.0	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	21.77	21.90	21.84	22.5	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	21.87	21.87	21.86	22.5	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	21.89	21.83	21.80	22.5	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	21.87	21.89	21.83	22.5	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	21.83	21.83	21.90	22.5	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	21.78	21.83	21.75	22.5	0.0	



n38 Ant5 DSI5 Main PA									
BW [MHz]	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	19.30	19.49	19.34	20.5	0.0	
40	1/2 BPSK	1	53	19.34	19.40	19.23			
40	1/2 BPSK	1	104	19.15	19.33	19.28			
40	1/2 BPSK	50	0	19.25	19.33	19.16	20.5	0.0	
40	1/2 BPSK	50	28	19.32	19.39	19.35	20.5	0.0	
40	1/2 BPSK	50	56	19.15	19.28	19.22			
40	1/2 BPSK	100	0	19.32	19.35	19.19	20.5	0.0	
40	QPSK	1	1	19.46	19.58	19.49			
40	QPSK	1	53	19.22	19.34	19.21	20.5	0.0	
40	QPSK	1	104	19.10	19.23	19.19			
40	QPSK	50	0	19.20	19.33	19.23	20.5	0.0	
40	QPSK	50	28	19.35	19.39	19.25	20.5	0.0	
40	QPSK	50	56	19.00	19.09	19.02	20.5	0.0	
40	QPSK	100	0	19.17	19.26	19.12	20.5	0.0	
40	16QAM	1	1	19.55	19.56	19.54	20.5	0.0	
40	64QAM	1	1	18.02	18.17	18.07	19.5	1.0	
40	256QAM	1	1	16.09	16.22	16.06	17.5	3.0	
Channel				517002	518000	520998	Tune-up	MPR	
Frequency (MHz)				2585.01	2595	2604.99	limit	(dB)	
30	QPSK	1	1	19.43	19.49	19.34	20.5	0.0	
Channel				516504	519000	521496	Tune-up	MPR	
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)	
25	QPSK	1	1	19.36	19.49	19.34	20.5	0.0	
Channel				516000	519000	522000	Tune-up	MPR	
Frequency (MHz)				2580	2595	2610	limit	(dB)	
20	QPSK	1	1	19.34	19.49	19.35	20.5	0.0	
Channel				515502	519000	522498	Tune-up	MPR	
Frequency (MHz)				2577.51	2595	2612.49	limit	(dB)	
15	QPSK	1	1	19.38	19.43	19.29	20.5	0.0	
Channel				515004	519000	522996	Tune-up	MPR	
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)	
10	QPSK	1	1	19.40	19.52	19.34	20.5	0.0	

n41 Ant5 DSI5 Main PA									
BW [MHz]	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	19.27	19.38	19.26	20.5	0.0	
100	1/2 BPSK	1	137	19.34	19.27	19.29			
100	1/2 BPSK	1	271	19.11	19.30	19.33			
100	1/2 BPSK	135	0	19.28	19.44	19.29	20.5	0.0	
100	1/2 BPSK	135	69	19.46	19.43	19.43	20.5	0.0	
100	1/2 BPSK	135	138	19.15	19.33	19.28	20.5	0.0	
100	1/2 BPSK	270	0	19.22	19.40	19.16			
100	QPSK	1	1	19.53	19.58	19.48			
100	QPSK	1	137	19.26	19.35	19.11	20.5	0.0	
100	QPSK	1	271	19.06	19.12	19.25			
100	QPSK	135	0	19.23	19.31	19.07	20.5	0.0	
100	QPSK	135	69	19.43	19.52	19.46	20.5	0.0	
100	QPSK	135	138	19.01	19.18	19.05	20.5	0.0	
100	QPSK	270	0	19.49	19.51	19.43	20.5	0.0	
100	16QAM	1	1	19.50	19.27	19.54	20.5	0.0	
100	64QAM	1	1	18.09	18.12	18.02	19.5	1.0	
100	256QAM	1	1	16.14	16.16	16.12	17.5	3.0	
Channel				508200	518598	526996	Tune-up	MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	19.42	19.46	19.46	20.5	0.0	
Channel				507204	518598	529998	Tune-up	MPR	
Frequency (MHz)				2533.02	2592.99	2648.99	limit	(dB)	
80	QPSK	1	1	19.43	19.51	19.42	20.5	0.0	
Channel				506202	518598	531000	Tune-up	MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)	
70	QPSK	1	1	19.44	19.40	19.44	20.5	0.0	
Channel				505200	518598	531996	Tune-up	MPR	
Frequency (MHz)				2529.99	2592.99	2659.98	limit	(dB)	
60	QPSK	1	1	19.49	19.49	19.51	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	19.49	19.47	19.41	20.5	0.0	
Channel				503202	518598	534000	Tune-up	MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)	
40	QPSK	1	1	19.49	19.50	19.39	20.5	0.0	
Channel				502200	518598	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)	
30	QPSK	1	1	19.48	19.51	19.42	20.5	0.0	
Channel				502200	518598	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)	
25	QPSK	1	1	19.42	19.49	19.47	0.0	0.0	
Channel				501204	518598	535998	Tune-up	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)	
20	QPSK	1	1	19.43	19.41	19.46	20.5	0.0	
Channel				500700	518598	536496	Tune-up	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)	
15	QPSK	1	1	19.50	19.46	19.43	20.5	0.0	
Channel				500202	518598	537000	Tune-up	MPR	
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)	
10	QPSK	1	1	19.50	19.41	19.46	20.5	0.0	

Part27Q n77 Ant6 DSI5 Main PA

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								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1	16.86				
100	1/2 BPSK	1	137	16.86			17.2	0.0
100	1/2 BPSK	1	271	16.86				
100	1/2 BPSK	135	0	16.79			17.2	0.0
100	1/2 BPSK	135	69	16.91			17.2	0.0
100	1/2 BPSK	135	138	16.91			17.2	0.0
100	1/2 BPSK	270	0	16.86			17.2	0.0
100	QPSK	1	1	16.97				
100	QPSK	1	137	16.89			17.2	0.0
100	QPSK	1	271	16.82				
100	QPSK	135	0	16.76			17.2	0.0
100	QPSK	135	69	16.93			17.2	0.0
100	QPSK	135	138	16.86			17.2	0.0
100	QPSK	270	0	16.94			17.2	0.0
100	16QAM	1	1	16.94			17.2	0.0
100	64QAM	1	1	16.89			17.2	0.0
100	256QAM	1	1	16.85			17.2	0.0
Channel								
Frequency (MHz)								
633000								
3495 3500.01 3495.02 limit (dB)								
90	QPSK	1	1	16.83	16.91	16.94	17.2	0.0
Channel								
Frequency (MHz)								
632668								
3490.02 3500.01 3510 limit (dB)								
80	QPSK	1	1	16.80	16.93	16.91	17.2	0.0
Channel								
Frequency (MHz)								
632334								
3485.01 3500.01 3515.01 limit (dB)								
70	QPSK	1	1	16.82	16.83	16.84	17.2	0.0
Channel								
Frequency (MHz)								
632000								
3480 3500.01 3520.02 limit (dB)								
60	QPSK	1	1	16.80	16.87	16.92	17.2	0.0
Channel								
Frequency (MHz)								
631668								
3475.02 3500.01 3525 limit (dB)								
50	QPSK	1	1	16.82	16.84	16.93	17.2	0.0
Channel								
Frequency (MHz)								
631334								
3470.01 3500.01 3530.01 limit (dB)								
40	QPSK	1	1	16.78	16.87	16.89	17.2	0.0
Channel								
Frequency (MHz)								
631000								
3465 3500.01 3535.02 limit (dB)								
30	QPSK	1	1	16.76	16.91	16.85	17.2	0.0
Channel								
Frequency (MHz)								
630668								
3462.51 3500.01 3537.51 limit (dB)								
25	QPSK	1	1	16.76	16.88	16.89	17.2	0.0
Channel								
Frequency (MHz)								
630334								
3460.02 3500.01 3540 limit (dB)								
20	QPSK	1	1	16.91	16.90	16.84	17.2	0.0
Channel								
Frequency (MHz)								
630000								
3455.01 3500.01 3545.01 limit (dB)								
15	QPSK	1	1	16.79	16.86	16.88	17.2	0.0
Channel								
Frequency (MHz)								
629668								
3450.02 3500.01 3545.01 limit (dB)								
10	QPSK	1	1	16.82	16.85	16.94	17.2	0.0

Part27Q n77 PC2 Ant6 DSI5 Main PA

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								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1	19.84				
100	1/2 BPSK	1	137	19.84			20.5	0.0
100	1/2 BPSK	1	271	19.70				
100	1/2 BPSK	135	0	19.84			20.5	0.0
100	1/2 BPSK	135	69	19.77			20.5	0.0
100	1/2 BPSK	135	138	19.83			20.5	0.0
100	1/2 BPSK	270	0	19.82			20.5	0.0
100	QPSK	1	1	19.97				
100	QPSK	1	137	19.81			20.5	0.0
100	QPSK	1	271	19.83				
100	QPSK	135	0	19.77			20.5	0.0
100	QPSK	135	69	19.96			20.5	0.0
100	QPSK	135	138	19.77			20.5	0.0
100	QPSK	270	0	19.93			20.5	0.0
100	16QAM	1	1	19.80			20.5	0.0
100	64QAM	1	1	19.69			20.5	0.0
100	256QAM	1	1	19.45			20.5	0.0
Channel								
Frequency (MHz)								
633000								
3495 3500.01 3505.02 limit (dB)								
90	QPSK	1	1	19.77	19.83	19.83	20.5	0.0
Channel								
Frequency (MHz)								
632668								
3490.02 3500.01 3510 limit (dB)								
80	QPSK	1	1	19.73	19.89	19.84	20.5	0.0
Channel								
Frequency (MHz)								
632334								
3485.01 3500.01 3515.01 limit (dB)								
70	QPSK	1	1	19.76	19.89	19.74	20.5	0.0
Channel								
Frequency (MHz)								
632000								
3480 3500.01 3520.02 limit (dB)								
60	QPSK	1	1	19.79	19.83	19.81	20.5	0.0
Channel								
Frequency (MHz)								
631668								
3475.02 3500.01 3525 limit (dB)								
50	QPSK	1	1	19.72	19.83	19.80	20.5	0.0
Channel								
Frequency (MHz)								
631334								
3470.01 3500.01 3530.01 limit (dB)								
40	QPSK	1	1	19.73	19.82	19.83	20.5	0.0
Channel								
Frequency (MHz)								
631000								
3465 3500.01 3535.02 limit (dB)								
30	QPSK	1	1	19.73	19.82	19.75	20.5	0.0
Channel								
Frequency (MHz)								
630668								
3462.51 3500.01 3537.51 limit (dB)								
25	QPSK	1	1	19.71	19.87	19.78	20.5	0.0
Channel								
Frequency (MHz)								
630334								
3460.02 3500.01 3540 limit (dB)								
20	QPSK	1	1	19.76	19.80	19.81	20.5	0.0
Channel								
Frequency (MHz)								
630000								
3455.01 3500.01 3545.01 limit (dB)								
15	QPSK	1	1	19.79	19.81	19.79	20.5	0.0
Channel								
Frequency (MHz)								
629668								
3450.02 3500.01 3545.01 limit (dB)								
10	QPSK	1	1	19.79	19.82	19.82	20.5	0.0

Part27O n78 Ant6 DSI5 Main PA

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								
Frequency (MHz)								
3750								
100	1/2 BPSK	1	1	16.28				
100	1/2 BPSK	1	137	16.29			17.2	0.0
100	1/2 BPSK	1	271	16.49				
100	1/2 BPSK	135	0	16.37			17.2	0.0
100	1/2 BPSK	135	69	16.42			17.2	0.0
100	1/2 BPSK	135	138	16.40			17.2	0.0
100	1/2 BPSK	270	0	16.37			17.2	0.0
100	QPSK	1	1	16.52				
100	QPSK	1	137	16.44			17.2	0.0
100	QPSK	1	271	16.14				
100	QPSK	135	0	16.35			17.2	0.0
100	QPSK	135	69	16.41			17.2	0.0
100	QPSK	135	138	16.34			17.2	0.0
100	QPSK	270	0	16.49			17.2	0.0
100	16QAM	1	1	16.33			17.2	0.0
100	64QAM	1	1	16.49			17.2	0.0
100	256QAM	1	1	16.41			17.2	0.0
Channel								
Frequency (MHz)								
649668								
650000 650334 650668 limit (dB)								
90	QPSK	1	1	16.39	16.36	16.46	17.2	0.0
Channel								
Frequency (MHz)								
649334								
650000 650668 651000 limit (dB)								
80	QPSK	1	1	16.41	16.44	16.43	17.2	0.0
Channel								
Frequency (MHz)								
649000								
650000 651000 652000 limit (dB)								
70	QPSK	1	1	16.41	16.39	16.41	17.2	0.0
Channel								
Frequency (MHz)								
648668								
650000 651334 651668 limit (dB)								
60	QPSK	1	1	16.39	16.31	16.44	17.2	0.0
Channel								
Frequency (MHz)								
648334								
650000 651668 652000 limit (dB)								
50	QPSK	1	1	16.36	16.35	16.47	17.2	0.0
Channel								
Frequency (MHz)								
648000								
650000 652000 653000 limit (dB)								
40	QPSK	1	1	16.38	16.43	16.44	17.2	0.0
Channel								
Frequency (MHz)								
647668								
650000 652334 652668 limit (dB)								
30	QPSK	1	1	16.39	16.45	16.48	17.2	0.0
Channel								
Frequency (MHz)								
647334								
650000 652668 653000 limit (dB)								
25	QPSK	1	1	16.35	16.42	16.49	17.2	0.0
Channel								
Frequency (MHz)								
647000								
650000 653000 653334 limit (dB)								
20	QPSK	1	1	16.39	16.35	16.49	17.2	0.0
Channel								
Frequency (MHz)								
646668								
650000 652834 653168 limit (dB)								
15	QPSK	1	1	16.45	16.36	16.44	17.2	0.0
Channel								
Frequency (MHz)								
646334								
650000 653168 653502 limit (dB)								
10	QPSK	1	1	16.39	16.35	16.43	17.2	0.0



Part270 n78 PC2 Ant6 DSI5 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	19.50				
100	1/2 BPSK	1	137	19.39			20.5	0.0
100	1/2 BPSK	1	271	19.39				
100	1/2 BPSK	135	0	19.49			20.5	0.0
100	1/2 BPSK	135	69	19.45			20.5	0.0
100	1/2 BPSK	135	138	19.50			20.5	0.0
100	1/2 BPSK	270	0	19.33				
100	QPSK	1	1	19.53			20.5	0.0
100	QPSK	1	137	19.40				
100	QPSK	1	271	19.28				
100	QPSK	135	0	19.27			20.5	0.0
100	QPSK	135	69	19.51			20.5	0.0
100	QPSK	135	138	19.31			20.5	0.0
100	QPSK	270	0	19.48				
100	16QAM	1	1	19.41			20.5	0.0
100	64QAM	1	1	19.33			20.5	0.0
100	256QAM	1	1	18.93			20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.51	19.49	19.45	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.52	19.47	19.42	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.50	19.43	19.43	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.50	19.43	19.43	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.51	19.43	19.46	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.47	19.39	19.48	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.46	19.40	19.47	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.47	19.46	19.44	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.50	19.47	19.47	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.46	19.47	19.38	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.46	19.43	19.40	20.5	0.0

Part27Q n78 Ant6 DSI5 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	16.69				
100	1/2 BPSK	1	137	16.50			17.2	0.0
100	1/2 BPSK	1	271	16.76				
100	1/2 BPSK	135	0	16.73			17.2	0.0
100	1/2 BPSK	135	69	16.62			17.2	0.0
100	1/2 BPSK	135	138	16.67			17.2	0.0
100	1/2 BPSK	270	0	16.80				
100	QPSK	1	1	16.82				
100	QPSK	1	137	16.66			17.2	0.0
100	QPSK	1	271	16.50				
100	QPSK	135	0	16.62			17.2	0.0
100	QPSK	135	69	16.76			17.2	0.0
100	QPSK	135	138	16.57			17.2	0.0
100	QPSK	270	0	16.81				
100	16QAM	1	1	16.63			17.2	0.0
100	64QAM	1	1	16.75			17.2	0.0
100	256QAM	1	1	16.80			17.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.75	16.81	16.74	17.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.80	16.81	16.70	17.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.77	16.75	16.69	17.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.73	16.77	16.63	17.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.80	16.72	16.75	17.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.75	16.79	16.70	17.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.77	16.78	16.64	17.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.80	16.78	16.68	17.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.73	16.73	16.71	17.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.80	16.79	16.67	17.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.79	16.78	16.67	17.2	0.0

Part27Q n78 PC2 Ant6 DSI5 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	19.70				
100	1/2 BPSK	1	137	19.62			20.5	0.0
100	1/2 BPSK	1	271	19.81				
100	1/2 BPSK	135	0	19.72			20.5	0.0
100	1/2 BPSK	135	69	19.75			20.5	0.0
100	1/2 BPSK	135	138	19.68			20.5	0.0
100	1/2 BPSK	270	0	19.60				
100	QPSK	1	1	19.79				
100	QPSK	1	137	19.77			20.5	0.0
100	QPSK	1	271	19.51				
100	QPSK	135	0	19.58			20.5	0.0
100	QPSK	135	69	19.75			20.5	0.0
100	QPSK	135	138	19.62			20.5	0.0
100	QPSK	270	0	19.74				
100	16QAM	1	1	19.71			20.5	0.0
100	64QAM	1	1	19.53			20.5	0.0
100	256QAM	1	1	19.15			20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.69	19.78	19.71	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.69	19.70	19.76	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.74	19.74	19.71	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.70	19.72	19.78	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.73	19.74	19.78	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.74	19.77	19.72	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.73	19.76	19.77	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.74	19.77	19.71	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.73	19.71	19.73	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.69	19.74	19.77	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.78	19.77	19.78	20.5	0.0



Part27Q n77 Ant7 DSI5 Main PA

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								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1	15.93			17.0	0.0
100	1/2 BPSK	1	137	15.81				
100	1/2 BPSK	1	271	15.78				
100	1/2 BPSK	135	0	15.69			17.0	0.0
100	1/2 BPSK	135	69	15.83			17.0	0.0
100	1/2 BPSK	135	138	15.84			17.0	0.0
100	1/2 BPSK	270	0	15.70				
100	QPSK	1	1	15.96				
100	QPSK	1	137	15.90			17.0	0.0
100	QPSK	1	271	15.46				
100	QPSK	135	0	15.82			17.0	0.0
100	QPSK	135	69	15.85			17.0	0.0
100	QPSK	135	138	15.79			17.0	0.0
100	QPSK	270	0	15.83				
100	16QAM	1	1	15.72			17.0	0.0
100	64QAM	1	1	15.83			17.0	0.0
100	256QAM	1	1	15.65			17.0	0.0
Channel								
Frequency (MHz)								
633000								
90	QPSK	1	1	15.91	15.94	15.90	17.0	0.0
Channel								
Frequency (MHz)								
3490.02								
80	QPSK	1	1	15.86	15.84	15.87	17.0	0.0
Channel								
Frequency (MHz)								
633234								
70	QPSK	1	1	15.87	15.85	15.86	17.0	0.0
Channel								
Frequency (MHz)								
632000								
60	QPSK	1	1	3480	3500.01	3520.02	limit	(dB)
Channel								
Frequency (MHz)								
631668								
50	QPSK	1	1	3475.02	3500.01	3525	limit	(dB)
Channel								
Frequency (MHz)								
631334								
40	QPSK	1	1	15.95	15.92	15.93	17.0	0.0
Channel								
Frequency (MHz)								
631000								
30	QPSK	1	1	15.92	15.88	15.84	17.0	0.0
Channel								
Frequency (MHz)								
630834								
25	QPSK	1	1	3482.51	3500.01	3537.51	limit	(dB)
Channel								
Frequency (MHz)								
630668								
20	QPSK	1	1	15.93	15.89	15.86	17.0	0.0
Channel								
Frequency (MHz)								
3457.5								
15	QPSK	1	1	15.88	15.91	15.93	17.0	0.0
Channel								
Frequency (MHz)								
630334								
10	QPSK	1	1	15.89	15.94	15.90	17.0	0.0

Part27Q n77 PC2 Ant7 DSI5 Main PA

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								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1	18.79			20.0	0.0
100	1/2 BPSK	1	137	18.85				
100	1/2 BPSK	1	271	18.87				
100	1/2 BPSK	135	0	18.80			20.0	0.0
100	1/2 BPSK	135	69	18.83			20.0	0.0
100	1/2 BPSK	135	138	18.88			20.0	0.0
100	1/2 BPSK	270	0	18.88				
100	QPSK	1	1	18.93				
100	QPSK	1	137	18.86			20.0	0.0
100	QPSK	1	271	18.53				
100	QPSK	135	0	18.85			20.0	0.0
100	QPSK	135	69	18.86			20.0	0.0
100	QPSK	135	138	18.77			20.0	0.0
100	QPSK	270	0	18.91				
100	16QAM	1	1	18.86			20.0	0.0
100	64QAM	1	1	18.86			20.0	0.0
100	256QAM	1	1	18.64			20.0	0.0
Channel								
Frequency (MHz)								
633000								
90	QPSK	1	1	18.89	18.82	18.91	20.0	0.0
Channel								
Frequency (MHz)								
3490.02								
80	QPSK	1	1	18.81	18.84	18.82	20.0	0.0
Channel								
Frequency (MHz)								
632334								
70	QPSK	1	1	3485.01	3500.01	3515.01	limit	(dB)
Channel								
Frequency (MHz)								
632000								
60	QPSK	1	1	3480	3500.01	3520.02	limit	(dB)
Channel								
Frequency (MHz)								
631668								
50	QPSK	1	1	3475.02	3500.01	3525	limit	(dB)
Channel								
Frequency (MHz)								
631334								
40	QPSK	1	1	18.84	18.81	18.87	20.0	0.0
Channel								
Frequency (MHz)								
631000								
30	QPSK	1	1	18.90	18.79	18.84	20.0	0.0
Channel								
Frequency (MHz)								
630834								
25	QPSK	1	1	3482.51	3500.01	3537.51	limit	(dB)
Channel								
Frequency (MHz)								
630668								
20	QPSK	1	1	18.82	18.83	18.83	20.0	0.0
Channel								
Frequency (MHz)								
3457.5								
15	QPSK	1	1	18.87	18.79	18.89	20.0	0.0
Channel								
Frequency (MHz)								
630334								
10	QPSK	1	1	18.84	18.78	18.83	20.0	0.0

Part27O n78 Ant7 DSI5 Main PA

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								
Frequency (MHz)								
3750								
100	1/2 BPSK	1	1	15.33			17.0	0.0
100	1/2 BPSK	1	137	15.32				
100	1/2 BPSK	1	271	15.20				
100	1/2 BPSK	135	0	15.26			17.0	0.0
100	1/2 BPSK	135	69	15.24			17.0	0.0
100	1/2 BPSK	135	138	15.31			17.0	0.0
100	1/2 BPSK	270	0	15.32				
100	QPSK	1	1	15.34				
100	QPSK	1	137	15.29			17.0	0.0
100	QPSK	1	271	15.03				
100	QPSK	135	0	15.27			17.0	0.0
100	QPSK	135	69	15.32			17.0	0.0
100	QPSK	135	138	15.26			17.0	0.0
100	QPSK	270	0	15.24				
100	16QAM	1	1	15.18			17.0	0.0
100	64QAM	1	1	15.22			17.0	0.0
100	256QAM	1	1	15.26			17.0	0.0
Channel								
Frequency (MHz)								
649668								
90	QPSK	1	1	15.17	15.33	15.20	17.0	0.0
Channel								
Frequency (MHz)								
649334								
80	QPSK	1	1	15.19	15.27	15.24	17.0	0.0
Channel								
Frequency (MHz)								
649000								
70	QPSK	1	1	3745.02	3750	3765.02	limit	(dB)
Channel								
Frequency (MHz)								
648668								
60	QPSK	1	1	3740.02	3750	3770.02	limit	(dB)
Channel								
Frequency (MHz)								
648334								
50	QPSK	1	1	3735.02	3750	3775.02	limit	(dB)
Channel								
Frequency (MHz)								
648000								
40	QPSK	1	1	15.29	15.30	15.20	17.0	0.0
Channel								
Frequency (MHz)								
647668								
30	QPSK	1	1	15.21	15.32	15.19	17.0	0.0
Channel								
Frequency (MHz)								
647334								
25	QPSK	1	1	3742.51	3750	3787.51	limit	(dB)
Channel								
Frequency (MHz)								
647000								
20	QPSK	1	1	15.19	15.27	15.16	17.0	0.0
Channel								
Frequency (MHz)								
3745.02								
15	QPSK	1	1	15.28	15.32	15.22	17.0	0.0
Channel								
Frequency (MHz)								
3740.02								
10	QPSK	1	1	15.17	15.26	15.16	17.0	0.0



Part270 n78 PC2 Ant7 DSI5 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	18.28			20.0	0.0
100	1/2 BPSK	1	137	18.26				
100	1/2 BPSK	1	271	18.11				
100	1/2 BPSK	135	0	18.55			20.0	0.0
100	1/2 BPSK	135	69	18.33			20.0	0.0
100	1/2 BPSK	135	138	18.26			20.0	0.0
100	1/2 BPSK	270	0	18.38				
100	QPSK	1	1	18.57			20.0	0.0
100	QPSK	1	137	18.49				
100	QPSK	1	271	18.43				
100	QPSK	135	0	18.41			20.0	0.0
100	QPSK	135	69	18.53			20.0	0.0
100	QPSK	135	138	18.37			20.0	0.0
100	QPSK	270	0	18.34				
100	16QAM	1	1	18.22			20.0	0.0
100	64QAM	1	1	18.21			20.0	0.0
100	256QAM	1	1	18.31			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.29	18.13	18.11	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.30	18.20	18.08	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.25	18.17	18.12	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.32	18.17	18.10	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.27	18.19	18.15	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.28	18.14	18.19	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.35	18.11	18.12	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.24	18.16	18.20	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.31	18.14	18.09	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.25	18.18	18.15	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.31	18.16	18.19	20.0	0.0

Part27Q n78 Ant7 DSI5 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	15.70			17.0	0.0
100	1/2 BPSK	1	137	15.78				
100	1/2 BPSK	1	271	15.62				
100	1/2 BPSK	135	0	15.75			17.0	0.0
100	1/2 BPSK	135	69	15.61			17.0	0.0
100	1/2 BPSK	135	138	15.79			17.0	0.0
100	1/2 BPSK	270	0	15.59				
100	QPSK	1	1	15.86			17.0	0.0
100	QPSK	1	137	15.87				
100	QPSK	1	271	15.83				
100	QPSK	135	0	15.83			17.0	0.0
100	QPSK	135	69	15.85			17.0	0.0
100	QPSK	135	138	15.83			17.0	0.0
100	QPSK	270	0	15.72				
100	16QAM	1	1	15.71			17.0	0.0
100	64QAM	1	1	15.65			17.0	0.0
100	256QAM	1	1	15.63			17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.71	15.73	15.70	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.75	15.79	15.65	17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.73	15.74	15.67	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.74	15.79	15.74	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.73	15.70	15.67	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.73	15.68	15.68	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.74	15.75	15.69	17.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.72	15.69	15.64	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.75	15.71	15.64	17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.74	15.78	15.64	17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.69	15.78	15.66	17.0	0.0

Part27Q n78 PC2 Ant7 DSI5 Main PA

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								
Frequency (MHz)								
100	1/2 BPSK	1	1	18.63			20.0	0.0
100	1/2 BPSK	1	137	18.67				
100	1/2 BPSK	1	271	18.51				
100	1/2 BPSK	135	0	18.78			20.0	0.0
100	1/2 BPSK	135	69	18.62			20.0	0.0
100	1/2 BPSK	135	138	18.72			20.0	0.0
100	1/2 BPSK	270	0	18.65				
100	QPSK	1	1	18.86			20.0	0.0
100	QPSK	1	137	18.50				
100	QPSK	1	271	18.52				
100	QPSK	135	0	18.81			20.0	0.0
100	QPSK	135	69	18.84			20.0	0.0
100	QPSK	135	138	18.59			20.0	0.0
100	QPSK	270	0	18.73				
100	16QAM	1	1	18.64			20.0	0.0
100	64QAM	1	1	18.57			20.0	0.0
100	256QAM	1	1	18.75			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.72	18.72	18.79	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.63	18.76	18.74	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.70	18.64	18.72	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.79	18.76	18.79	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.78	18.65	18.74	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.78	18.65	18.74	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.63	18.73	18.68	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.73	18.69	18.76	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.77	18.70	18.78	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.80	18.70	18.76	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.77	18.67	18.74	20.0	0.0

**Part270 n78 PC2 Ant8 DSI5 Main PA**

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								
Frequency (MHz)								
3750								
100	1/2 BPSK	1	1	20.20			21.5	0.0
100	1/2 BPSK	1	137	20.06				
100	1/2 BPSK	1	271	20.20				
100	1/2 BPSK	135	0	20.23			21.5	0.0
100	1/2 BPSK	135	69	20.12			21.5	0.0
100	1/2 BPSK	135	138	20.20			21.5	0.0
100	1/2 BPSK	270	0	20.23				
100	QPSK	1	1	20.26			21.5	0.0
100	QPSK	1	137	20.26				
100	QPSK	1	271	20.21				
100	QPSK	135	0	20.24			21.5	0.0
100	QPSK	135	69	20.27			21.5	0.0
100	QPSK	135	138	20.20			21.5	0.0
100	QPSK	270	0	20.22				
100	16QAM	1	1	20.24			21.5	0.0
100	64QAM	1	1	19.75			21.0	0.5
100	256QAM	1	1	17.67			19.0	2.5
Channel								
Frequency (MHz)								
649668 650000 650334 Tune-up MPR								
3745.02 3750 3755.01 limit (dB)								
90	QPSK	1	1	20.27	20.22	20.17	21.5	0.0
Channel								
Frequency (MHz)								
649334 650000 650668 Tune-up MPR								
3740.01 3750 3760.02 limit (dB)								
80	QPSK	1	1	20.22	20.13	20.14	21.5	0.0
Channel								
Frequency (MHz)								
649000 650000 651000 Tune-up MPR								
3735 3750 3765 limit (dB)								
70	QPSK	1	1	20.27	20.16	20.15	21.5	0.0
Channel								
Frequency (MHz)								
648668 650000 651334 Tune-up MPR								
3730.02 3750 3770.01 limit (dB)								
60	QPSK	1	1	20.21	20.14	20.15	21.5	0.0
Channel								
Frequency (MHz)								
648334 650000 651668 Tune-up MPR								
3725.01 3750 3775.02 limit (dB)								
50	QPSK	1	1	20.23	20.12	20.20	21.5	0.0
Channel								
Frequency (MHz)								
648000 650000 652000 Tune-up MPR								
3720 3750 3780 limit (dB)								
40	QPSK	1	1	20.23	20.17	20.14	21.5	0.0
Channel								
Frequency (MHz)								
647668 650000 652334 Tune-up MPR								
3715.02 3750 3785.01 limit (dB)								
30	QPSK	1	1	20.22	20.14	20.17	21.5	0.0
Channel								
Frequency (MHz)								
647334 650000 652668 Tune-up MPR								
3710.01 3750 3790.02 limit (dB)								
20	QPSK	1	1	20.23	20.13	20.22	21.5	0.0
Channel								
Frequency (MHz)								
647000 650000 653000 Tune-up MPR								
3705 3750 3795 limit (dB)								
15	QPSK	1	1	20.24	20.17	20.15	21.5	0.0
Channel								
Frequency (MHz)								
647000 650000 653000 Tune-up MPR								
3705 3750 3795 limit (dB)								
10	QPSK	1	1	20.20	20.20	20.23	21.5	0.0

Part27Q n78 Ant8 DSI5 Main PA

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								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1	16.99			18.5	0.0
100	1/2 BPSK	1	137	17.02				
100	1/2 BPSK	1	271	17.07				
100	1/2 BPSK	135	0	17.04			18.5	0.0
100	1/2 BPSK	135	69	16.99			18.5	0.0
100	1/2 BPSK	135	138	17.07			18.5	0.0
100	1/2 BPSK	270	0	16.88				
100	QPSK	1	1	17.10			18.5	0.0
100	QPSK	1	137	16.97				
100	QPSK	1	271	17.01				
100	QPSK	135	0	17.02			18.5	0.0
100	QPSK	135	69	17.07			18.5	0.0
100	QPSK	135	138	17.00			18.5	0.0
100	QPSK	270	0	16.95				
100	16QAM	1	1	16.90			18.5	0.0
100	64QAM	1	1	16.93			18.5	0.0
100	256QAM	1	1	16.67			18.5	0.0
Channel								
Frequency (MHz)								
633000 633334 633668 Tune-up MPR								
3495 3500.01 3505.02 limit (dB)								
90	QPSK	1	1	16.93	16.97	16.99	18.5	0.0
Channel								
Frequency (MHz)								
632668 633334 634000 Tune-up MPR								
3490.02 3500.01 3510 limit (dB)								
80	QPSK	1	1	16.86	16.89	16.99	18.5	0.0
Channel								
Frequency (MHz)								
632334 633334 634334 Tune-up MPR								
3485.01 3500.01 3515.01 limit (dB)								
70	QPSK	1	1	16.86	16.93	16.93	18.5	0.0
Channel								
Frequency (MHz)								
632000 633334 634668 Tune-up MPR								
3480 3500.01 3520.02 limit (dB)								
60	QPSK	1	1	16.83	16.93	16.99	18.5	0.0
Channel								
Frequency (MHz)								
631668 633334 635000 Tune-up MPR								
3475.02 3500.01 3525 limit (dB)								
50	QPSK	1	1	16.86	16.94	16.96	18.5	0.0
Channel								
Frequency (MHz)								
631334 633334 635334 Tune-up MPR								
3470.01 3500.01 3530.01 limit (dB)								
40	QPSK	1	1	16.85	16.89	16.96	18.5	0.0
Channel								
Frequency (MHz)								
631000 633334 635668 Tune-up MPR								
3465 3500.01 3535.02 limit (dB)								
30	QPSK	1	1	16.85	16.94	16.99	18.5	0.0
Channel								
Frequency (MHz)								
630668 633334 636000 Tune-up MPR								
3462.51 3500.01 3537.51 limit (dB)								
25	QPSK	1	1	16.86	16.90	16.93	18.5	0.0
Channel								
Frequency (MHz)								
630500 633334 636334 Tune-up MPR								
3457.5 3500.01 3542.52 limit (dB)								
20	QPSK	1	1	16.85	16.92	17.00	18.5	0.0
Channel								
Frequency (MHz)								
630334 633334 636668 Tune-up MPR								
3455.01 3500.01 3545.01 limit (dB)								
15	QPSK	1	1	16.88	16.90	16.94	18.5	0.0
Channel								
Frequency (MHz)								
630334 633334 636999 Tune-up MPR								
3455.01 3500.01 3545.01 limit (dB)								
10	QPSK	1	1	16.82	16.90	16.96	18.5	0.0

Part27Q n78 PC2 Ant8 DSI5 Main PA

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								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1	20.00			21.5	0.0
100	1/2 BPSK	1	137	19.95				
100	1/2 BPSK	1	271	19.98				
100	1/2 BPSK	135	0	20.01			21.5	0.0
100	1/2 BPSK	135	69	19.81			21.5	0.0
100	1/2 BPSK	135	138	20.03			21.5	0.0
100	1/2 BPSK	270	0	20.02				
100	QPSK	1	1	20.04			21.5	0.0
100	QPSK	1	137	19.99				
100	QPSK	1	271	20.01				
100	QPSK	135	0	19.99			21.5	0.0
100	QPSK	135	69	20.02			21.5	0.0
100	QPSK	135	138	20.01			21.5	0.0
100	QPSK	270	0	19.99				
100	16QAM	1	1	20.03			21.5	0.0
100	64QAM	1	1	19.45			21.0	0.5
100	256QAM	1	1	17.51			19.0	2.5
Channel								
Frequency (MHz)								
633000 633334 633668 Tune-up MPR								
3495 3500.01 3505.02 limit (dB)								
90	QPSK	1	1	19.92	19.85	19.92	21.5	0.0
Channel								
Frequency (MHz)								
632668 633334 634000 Tune-up MPR								
3490.02 3500.01 3510 limit (dB)								
80	QPSK	1	1	19.83	19.86	19.95	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	19.98	19.94	19.94	21.5	0.0
Channel								
Frequency (MHz)								
632000 633334 634668 Tune-up MPR								
3480 3500.01 3520.02 limit (dB)								
60	QPSK	1	1	19.91	19.95	19.97	21.5	0.0
Channel								
Frequency (MHz)								
631668 633334 635000 Tune-up MPR								
3475.02 3500.01 3525 limit (dB)								
50	QPSK	1	1	19.95	19.87	19.95	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	19.92	19.95	19.97	21.5	0.0
Channel								
Frequency (MHz)								
631000 633334 635668 Tune-up MPR								
3465 3500.01 3535.02 limit (dB)								
30	QPSK	1	1	19.89	19.86	19.95	21.5	0.0
Channel								
Frequency (MHz)								
630668 633334 636000 Tune-up MPR								
3462.51 3500.01 3537.51 limit (dB)								
25	QPSK	1	1	19.93	19.85	20.03	21.5	0.0
Channel								
Frequency (MHz)								
630500 633334 636334 Tune-up MPR								
3457.5 3500.01 3542.52 limit (dB)								
20	QPSK	1	1	19.93	19.95	19.93	21.5	0.0
Channel								
Frequency (MHz)								
630334 633334 636668 Tune-up MPR								
3455.01 3500.01 3545.01 limit (dB)								
15	QPSK	1	1	19.93	19.96	20.03	21.5	0.0
Channel								
Frequency (MHz)								
630334 633334 636999 Tune-up MPR								
3455.01 3500.01 3545.01 limit (dB)								
10	QPSK	1	1	19.94	19.87	19.99	21.5	0.0



Reduced Power SA Mode for DSI5

n5 Ant1 DSI5 Main PA for ENDC									
BW [MHz]	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	19.18	19.20	19.07			
20	1/2 BPSK	1	53	19.02	19.05	19.04	20.5	0.0	
20	1/2 BPSK	1	104	18.80	19.01	18.77			
20	1/2 BPSK	50	0	18.90	19.13	18.95	20.5	0.0	
20	1/2 BPSK	50	28	19.01	19.03	19.00	20.5	0.0	
20	1/2 BPSK	50	56	18.75	18.90	18.83	20.5	0.0	
20	1/2 BPSK	100	0	19.04	19.13	19.04			
20	QPSK	1	1	19.15	19.23	19.20			
20	QPSK	1	53	18.99	19.02	18.92	20.5	0.0	
20	QPSK	1	104	18.84	18.84	18.84			
20	QPSK	50	0	18.90	19.03	18.85	20.5	0.0	
20	QPSK	50	28	19.17	19.21	19.18	20.5	0.0	
20	QPSK	50	56	18.94	18.82	18.82	20.5	0.0	
20	QPSK	100	0	19.14	19.20	19.06	20.5	0.0	
20	16QAM	1	1	19.04	19.14	19.18	20.5	0.0	
20	16QAM	1	1	19.00	19.10	19.02	20.5	0.0	
20	256QAM	1	1	19.17	19.20	19.16	20.5	0.0	
Channel				168300	167300	168300	Tune-up	MPR	
Frequency (MHz)				841.5	836.5	841.5	limit	(dB)	
15	QPSK	1	1	19.13	19.20	19.20	20.5	0.0	
Channel				165800	167300	168800	Tune-up	MPR	
Frequency (MHz)				829	836.5	844	limit	(dB)	
10	QPSK	1	1	19.14	19.22	19.22	20.5	0.0	
Channel				165300	167300	169300	Tune-up	MPR	
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)	
5	QPSK	1	1	19.09	19.18	19.17	20.5	0.0	



Bluetooth/WLAN Power

Ant 9+8				Full power-Hotspot Full power-body-worn		standalone-Head simultaneous-Hotspot		simultaneous-Head		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	20.14	21.00	19.21	20.00	17.35	18.00	100.00	
	6	2437	20.36	21.00	19.41	20.00	17.47	18.00		
	11	2462	20.59	21.00	19.52	20.00	17.50	18.00		
802.11g 6Mbps	1	2412	18.72	19.50	Not Requested	19.50	Not Requested	18.00	99.32	
	6	2437	19.60	20.50		20.00		18.00		
	11	2462	17.47	18.00		18.00		18.00		
802.11n-HT20 MCS0	1	2412	19.22	20.00	Not Requested	20.00	Not Requested	18.00	100.00	
	6	2437	19.40	20.00		20.00		18.00		
	11	2462	16.78	17.50		17.50		17.50		
802.11n-HT40 MCS0	3	2422	17.14	18.00	Not Requested	18.00	Not Requested	18.00	100.00	
	6	2437	17.16	18.00		18.00		18.00		
	9	2452	15.58	16.50		16.50		16.50		
802.11ax-HE20 MCS0	1	2412	19.28	20.00	Not Requested	20.00	Not Requested	18.00	100.00	
	6	2437	19.45	20.00		20.00		18.00		
	11	2462	16.82	17.50		17.50		17.50		
802.11ax-HE40 MCS0	3	2422	17.17	18.00	Not Requested	18.00	Not Requested	18.00	100.00	
	6	2437	17.20	18.00		18.00		18.00		
	9	2452	15.62	16.50		16.50		16.50		

Ant 10+11				Full power-body-worn		standalone-Head		simultaneous-Head		standalone-Hotspot		simultaneous-Hotspot		simultaneous-Body-worn	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	21.30	22.00	Not Requested	18.00	Not Requested	13.00	Not Requested	19.50	Not Requested	15.00	20.37	21.50	98.97
	40	5200	21.59	22.50		18.00		13.00		19.50		15.00	20.61	21.50	
	44	5220	21.61	22.50		18.00		13.00		19.50		15.00	20.67	21.50	
	48	5240	21.52	22.50		18.00		13.00		19.50		15.00	20.55	21.50	
802.11n-HT20 MCS0	36	5180	19.92	20.50	Not Requested	18.00	Not Requested	13.00	Not Requested	19.50	Not Requested	15.00	20.50	21.00	100.00
	40	5200	20.17	21.00		18.00		13.00		19.50		15.00	21.00		
	44	5220	20.28	21.00		18.00		13.00		19.50		15.00	21.00		
802.11n-HT40 MCS0	38	5190	19.10	20.00	Not Requested	18.00	Not Requested	13.00	Not Requested	18.52	Not Requested	15.00	20.00	20.00	100.00
	46	5230	19.22	20.00		18.00		13.00		18.61		19.50	15.00	20.00	
	36	5180	19.97	20.50		18.00		13.00		19.50		15.00	20.50	21.00	
802.11ac-VHT20 MCS0	40	5200	20.21	21.00	Not Requested	18.00	Not Requested	13.00	Not Requested	19.50	Not Requested	15.00	21.00	21.00	100.00
	44	5220	20.34	21.00		18.00		13.00		19.50		15.00	21.00		
	48	5240	20.25	21.00		18.00		13.00		19.50		15.00	21.00		
802.11ac-VHT40 MCS0	38	5190	19.15	20.00	Not Requested	18.00	Not Requested	13.00	Not Requested	19.50	Not Requested	15.00	20.00	20.00	100.00
46	5230	19.28	20.00	18.00		13.00		19.50		15.00		20.00			
802.11ac-VHT80 MCS0	42	5210	18.12	19.00		17.24		18.00		12.22		13.00	19.00	14.27	
802.11ax-HE20 MCS0	36	5180	20.01	21.00	Not Requested	18.00	Not Requested	13.00	Not Requested	19.50	Not Requested	15.00	21.00	21.00	100.00
	40	5200	20.25	21.00		18.00		13.00		19.50		15.00	21.00		
	44	5220	20.40	21.00		18.00		13.00		19.50		15.00	21.00		
802.11ax-HE40 MCS0	38	5190	19.20	20.00	Not Requested	18.00	Not Requested	13.00	Not Requested	19.50	Not Requested	15.00	20.00	20.00	100.00
	46	5230	19.34	20.00		18.00		13.00		19.50		15.00	20.00		
	42	5210	18.14	19.00		18.00		13.00		19.00		15.00	19.00	100.00	

Ant 10+11				Full power-Body-worn		standalone-Head		simultaneous-Head		standalone-Extremity simultaneous-Body-worn		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	21.58	22.50	Not Requested	18.00	Not Requested	13.00	20.52	21.50	98.97	
	56	5280	21.62	22.50		18.00		13.00	20.57	21.50		
	60	5300	21.54	22.50		18.00		13.00	20.50	21.50		
	64	5320	21.40	22.00		18.00		13.00	20.42	21.50		
802.11n-HT20 MCS0	52	5260	20.08	21.00	Not Requested	18.00	Not Requested	13.00	Not Requested	21.00	100.00	
	56	5280	20.27	21.00		18.00		13.00		21.00		
	60	5300	20.19	21.00		18.00		13.00		21.00		
802.11n-HT40 MCS0	54	5270	19.11	20.00	Not Requested	18.00	Not Requested	13.00	Not Requested	20.00	100.00	
	62	5310	18.87	19.50		18.00		13.00		19.50		
	52	5260	20.15	21.00		18.00		13.00		21.00		
802.11ac-VHT20 MCS0	56	5280	20.30	21.00	Not Requested	18.00	Not Requested	13.00	Not Requested	21.00	100.00	
	60	5300	20.24	21.00		18.00		13.00		21.00		
	64	5320	20.11	21.00		18.00		13.00		21.00		
802.11ac-VHT40 MCS0	54	5270	19.15	20.00	Not Requested	18.00	Not Requested	13.00	Not Requested	20.00	100.00	
	62	5310	18.95	19.50		18.00		13.00		19.50		
	802.11ac-VHT80 MCS0	58	5290	18.10		19.00		17.27		18.00		12.25
802.11ax-HE20 MCS0	50	5250	16.60	17.50	Not Requested	18.00	Not Requested	13.00	Not Requested	17.50	100.00	
	52	5260	20.22	21.00		18.00		13.00		21.00		
	56	5280	20.33	21.00		18.00		13.00		21.00		
802.11ax-HE40 MCS0	60	5300	20.29	21.00	Not Requested	18.00	Not Requested	13.00	Not Requested	21.00	100.00	
	64	5320	20.20	21.00		18.00		13.00		21.00		
	54	5270	19.19	20.00		18.00		13.00		20.00		
802.11ax-HE80 MCS0	62	5310	19.03	20.00	Not Requested	18.00	Not Requested	13.00	Not Requested	20.00	100.00	
	58	5290	18.13	19.00		18.00		13.00		19.00		
	50	5250	16.72	17.50		18.00		13.00		17.50		



Ant 10+11				Full power-Extremity Full power-Body-worn		standalone-Head		simultaneous-Body-worn		simultaneous-Head			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	21.44	22.00	20.40	21.00	20.87	21.50			14.50		98.97
	116	5580	21.50	22.00	20.47	21.00	20.85	21.50			14.50		
	124	5620	21.52	22.00	20.50	21.00	20.88	21.50			14.50		
	132	5660	21.39	22.00	20.35	21.00	20.72	21.50			14.50		
	140	5700	21.25	22.00	20.27	21.00	20.57	21.50			14.50		
802.11n-HT20 MCS0	100	5500	20.13	21.00	20.21	21.00	20.52	21.50			14.50		100.00
	116	5580	20.18	21.00							14.50		
	124	5620	20.16	21.00							14.50		
	132	5660	20.10	21.00							14.50		
	140	5700	19.89	20.50							14.50		
802.11n-HT40 MCS0	102	5510	18.96	19.50							14.50		100.00
	110	5550	19.26	20.00							14.50		
	126	5630	19.00	19.50							14.50		
	134	5670	18.82	19.50							14.50		
	142	5710	18.87	19.50							14.50		
802.11ac- VHT20 MCS0	100	5500	20.17	21.00							14.50		100.00
	116	5580	20.26	21.00							14.50		
	124	5620	20.23	21.00							14.50		
	132	5660	20.16	21.00							14.50		
	140	5700	19.94	20.50							14.50		
802.11ac- VHT40 MCS0	102	5510	19.01	20.00							14.50		100.00
	110	5550	19.30	20.00							14.50		
	126	5630	19.06	20.00	Not Requested		Not Requested				14.50		
	134	5670	18.91	19.50							14.50		
	142	5710	18.89	19.50							14.50		
802.11ac- VHT80 MCS0	106	5530	18.08	19.00							14.50		100.00
	122	5610	18.00	19.00							14.50		
	138	5690	17.73	18.50							14.50		
	142	5710	18.89	19.50							14.50		
	114	5570	16.84	17.50							14.50		
802.11ac- VHT160 MCS0	100	5500	20.21	21.00							14.50		100.00
	116	5580	20.34	21.00							14.50		
	124	5620	20.30	21.00							14.50		
	132	5660	20.22	21.00							14.50		
	140	5700	19.99	20.50							14.50		
802.11ax- HE20 MCS0	102	5510	19.06	20.00							14.50		100.00
	110	5550	19.34	20.00							14.50		
	126	5630	19.12	20.00							14.50		
	134	5670	19.00	19.50							14.50		
	142	5710	18.91	19.50							14.50		
802.11ax- HE40 MCS0	106	5530	18.13	19.00							14.50		100.00
	122	5610	18.05	19.00							14.50		
	138	5690	17.76	18.50							14.50		
802.11ax- HE60 MCS0	114	5570	16.94	17.50							14.50		100

Ant 10+11				Full power-Hotspot Full power-Body-worn		standalone-Head		simultaneous-Head		simultaneous-Body-worn		simultaneous-Hotspot	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	21.33	22.00			19.50		14.50	20.75	21.50	15.50	98.97
	157	5785	21.23	22.00			19.50		14.50	20.70	21.50	15.50	
	165	5825	21.15	22.00	Not Requested		19.50		14.50	20.65	21.50	15.50	
802.11n-HT20 MCS0	149	5745	19.99	20.50			19.50		14.50	20.50	20.50	15.50	100.00
	157	5785	19.91	20.50			19.50		14.50	20.50	20.50	15.50	
	165	5825	19.82	20.50			19.50		14.50	20.50	20.50	15.50	
802.11n-HT40 MCS0	151	5755	18.78	19.50	18.78	19.50	Not Requested		14.50	19.50	Not Requested	15.50	100.00
	159	5795	18.96	19.50	18.96	19.50	Not Requested		14.50	19.50	Not Requested	15.50	
	149	5745	20.06	20.50			19.50		14.50	20.50	20.50	15.50	
802.11ac- VHT20 MCS0	157	5785	20.00	20.50			19.50		14.50	20.50	20.50	15.50	100.00
	165	5825	19.86	20.50			19.50		14.50	20.50	20.50	15.50	
	151	5755	18.85	19.50			19.50		14.50	19.50	19.50	15.50	
802.11ac- VHT40 MCS0	159	5795	19.01	19.50			19.50		14.50	19.50	19.50	15.50	100.00
	155	5775	17.71	18.50	Not Requested		18.50	13.78	14.50	18.50	14.77	15.50	
	149	5745	20.13	21.00			19.50		14.50	21.00	21.00	15.50	
802.11ax- HE20 MCS0	157	5785	20.09	21.00			19.50		14.50	21.00	21.00	15.50	100.00
	165	5825	19.90	20.50			19.50		14.50	20.50	20.50	15.50	
	151	5755	18.92	19.50			19.50	Not Requested	14.50	19.50	Not Requested	15.50	
802.11ax- HE40 MCS0	159	5795	19.06	20.00			19.50		14.50	20.00	20.00	15.50	100.00
	155	5775	17.74	18.50			18.50		14.50	18.50	18.50	15.50	



BT		ANT9		simultaneous-Head				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit	Average power (dBm)	
			1Mbps	2Mbps	3Mbps		1Mbps	Tune-up Limit
BR / EDR	CH 00	2402	16.46	14.44	14.50	18.00	11.27	13.00
	CH 39	2441	16.02	14.35	14.26	17.50	11.15	13.00
	CH 78	2480	15.76	14.19	14.16	17.50	10.13	11.50

BLE 1M		ANT9			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	
LE	CH 00	2402	6.84	8.50	
	CH 19	2440	7.25	9.00	
	CH 39	2480	5.11	7.00	

BLE 2M		ANT9			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	
LE	CH 00	2402	6.78	8.50	
	CH 19	2440	7.18	9.00	
	CH 39	2480	5.14	7.00	

BT		ANT8						
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit		
			1Mbps	2Mbps	3Mbps			
BR / EDR	CH 00	2402	17.54	15.36	15.41	18.00		
	CH 39	2441	16.89	14.85	15.06	18.00		
	CH 78	2480	16.07	14.54	14.45	17.50		

BLE 1M		ANT8			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	
LE	CH 00	2402	7.37	9.00	
	CH 19	2440	8.28	10.00	
	CH 39	2480	5.23	7.00	

BLE 2M		ANT8			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	
LE	CH 00	2402	7.29	9.00	
	CH 19	2440	8.31	10.00	
	CH 39	2480	6.49	8.00	