

n5 Main PA Ant1 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	838		
20	Pl2 BPSK	1	1	22.04	22.22	22.01	24.0	0.0
20	Pl2 BPSK	1	53	22.11	22.23	22.03		
20	Pl2 BPSK	1	104	22.12	22.12	22.17		
20	Pl2 BPSK	50	0	22.06	22.14	22.06	24.0	0.0
20	Pl2 BPSK	50	28	22.22	22.25	22.20	24.0	0.0
20	Pl2 BPSK	50	56	22.16	22.14	22.11	24.0	0.0
20	Pl2 BPSK	100	0	22.16	22.17	22.11	24.0	0.0
20	QPSK	1	1	22.26	22.30	22.27	24.0	0.0
20	QPSK	1	53	22.17	22.13	22.25		
20	QPSK	1	104	22.16	22.07	22.09		
20	QPSK	50	0	22.08	22.16	22.16	24.0	0.0
20	QPSK	50	28	22.21	22.25	22.19	24.0	0.0
20	QPSK	50	56	22.09	22.15	22.09	24.0	0.0
20	QPSK	100	0	22.15	22.23	22.20	24.0	0.0
20	8QAM	1	1	22.19	22.15	22.06	24.0	0.0
20	8QAM	1	1	21.20	21.27	21.19	23.0	1.0
20	25QAM	1	1	19.33	19.28	19.22	21.0	3.0
Channel				168300	167300	168300	tune-up limit (dB)	MPR
15	QPSK	1	1	22.11	22.19	22.15	24.0	0.0
Channel				168800	167300	168800	tune-up limit (dB)	MPR
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.18	22.26	22.25	24.0	0.0
Channel				169300	167300	169300	tune-up limit (dB)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.26	22.10	22.25	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506000	507000	506000		
Frequency (MHz)				2525	2535	2545		
50	Pl2 BPSK	1	1	18.37	18.40	18.43	19.0	0.0
50	Pl2 BPSK	1	135	18.39	18.41	18.34		
50	Pl2 BPSK	1	268	18.25	18.51	18.20		
50	Pl2 BPSK	135	0	18.43	18.51	18.53	19.0	0.0
50	Pl2 BPSK	135	68	18.32	18.58	18.41	19.0	0.0
50	Pl2 BPSK	135	135	18.49	18.63	18.56	19.0	0.0
50	Pl2 BPSK	270	0	18.49	18.62	18.61	19.0	0.0
50	QPSK	1	1	18.42	18.64	18.56	19.0	0.0
50	QPSK	1	135	18.19	18.46	18.31		
50	QPSK	1	268	18.16	18.37	18.34		
50	QPSK	135	0	18.47	18.42	18.31	19.0	0.0
50	QPSK	135	68	18.54	18.59	18.50	19.0	0.0
50	QPSK	135	135	18.37	18.46	18.51	19.0	0.0
50	QPSK	270	0	18.37	18.57	18.48	19.0	0.0
50	8QAM	1	1	18.21	18.24	18.22	19.0	0.0
50	8QAM	1	1	18.14	18.26	18.09	19.0	0.0
50	25QAM	1	1	18.34	18.39	18.41	19.0	0.0
Channel				504000	507000	510000	tune-up limit (dB)	MPR
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	18.33	18.44	18.56	19.0	0.0
Channel				503000	507000	511000	tune-up limit (dB)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.42	18.63	18.40	19.0	0.0
Channel				502500	507000	511500	tune-up limit (dB)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.30	18.60	18.51	19.0	0.0
Channel				502000	507000	512000	tune-up limit (dB)	MPR
Frequency (MHz)				2510	2535	2560		
20	Pl2 BPSK	1	1	18.24	18.60	18.43	19.0	0.0
Channel				501500	507000	512500	tune-up limit (dB)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.25	18.58	18.53	19.0	0.0
Channel				501000	507000	513000	tune-up limit (dB)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.34	18.43	18.43	19.0	0.0
Channel				500500	507000	513500	tune-up limit (dB)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.36	18.59	18.35	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	351500		
Frequency (MHz)				1722.5	1745	1757.5		
45	Pl2 BPSK	1	1	15.10	15.25	15.33	17.0	0.0
45	Pl2 BPSK	1	120	15.11	15.44	15.28		
45	Pl2 BPSK	1	243	15.11	15.09	15.31		
45	Pl2 BPSK	120	0	15.19	15.48	15.32	17.0	0.0
45	Pl2 BPSK	120	60	15.32	15.41	15.25	17.0	0.0
45	Pl2 BPSK	120	120	15.45	15.51	15.43	17.0	0.0
45	Pl2 BPSK	240	0	15.40	15.22	15.31	17.0	0.0
45	QPSK	1	1	15.52	15.55	15.38	17.0	0.0
45	QPSK	1	120	14.95	15.25	15.07		
45	QPSK	1	243	15.21	15.14	15.22		
45	QPSK	120	0	15.16	15.11	15.26	17.0	0.0
45	QPSK	120	60	15.29	15.51	15.42	17.0	0.0
45	QPSK	120	120	15.10	15.37	15.36	17.0	0.0
45	QPSK	240	0	15.21	15.35	15.11	17.0	0.0
45	8QAM	1	1	15.17	15.23	15.19	17.0	0.0
45	8QAM	1	1	15.33	15.37	15.37	17.0	0.0
45	25QAM	1	1	15.27	15.19	15.27	17.0	0.0
Channel				349000	349000	352000	tune-up limit (dB)	MPR
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	1	15.28	15.44	15.25	17.0	0.0
Channel				348500	349000	352500	tune-up limit (dB)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	15.35	15.52	15.33	17.0	0.0
Channel				348000	349000	353000	tune-up limit (dB)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	15.32	15.52	15.31	17.0	0.0
Channel				347500	349000	353500	tune-up limit (dB)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	15.34	15.52	15.23	17.0	0.0
Channel				346500	349000	354000	tune-up limit (dB)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.37	15.52	15.32	17.0	0.0
Channel				345500	349000	354500	tune-up limit (dB)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.51	15.45	15.32	17.0	0.0
Channel				345000	349000	355000	tune-up limit (dB)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.49	15.36	15.29	17.0	0.0
Channel				344500	349000	355500	tune-up limit (dB)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.47	15.53	15.33	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2590.02	2595	2599.99		
40	PI2 BPSK	1	1	17.20	17.34	17.16		
40	PI2 BPSK	1	53	17.15	17.29	16.99	18.0	0.0
40	PI2 BPSK	1	104	16.97	17.12	16.97		
40	PI2 BPSK	50	0	17.38	17.36	17.07	18.0	0.0
40	PI2 BPSK	50	28	17.24	17.26	17.05	18.0	0.0
40	PI2 BPSK	50	56	17.10	17.21	17.04		
40	PI2 BPSK	100	0	17.21	17.35	17.19	18.0	0.0
40	QPSK	1	1	17.15	17.41	17.22		
40	QPSK	1	53	17.07	17.18	17.14	18.0	0.0
40	QPSK	1	104	16.99	17.09	17.06		
40	QPSK	50	0	17.06	17.30	17.07	18.0	0.0
40	QPSK	50	28	17.09	17.33	17.28	18.0	0.0
40	QPSK	50	56	17.07	17.29	17.22	18.0	0.0
40	QPSK	100	0	17.22	17.39	17.24		
40	8QAM	1	1	17.16	17.37	17.23	18.0	0.0
40	8QAM	1	1	17.15	17.22	17.18	18.0	0.0
40	25QAM	1	1	17.21	17.36	17.29	18.0	0.0
Channel								
Frequency (MHz)				517002	518000	520998	time-up limit (dB)	MPR
30	QPSK	1	1	17.12	17.34	17.00	19.0	0.0
Channel								
Frequency (MHz)				518504	519000	521496	time-up limit (dBm)	MPR
25	QPSK	1	1	17.04	17.23	17.04	18.0	0.0
Channel								
Frequency (MHz)				519000	519000	522000	time-up limit (dB)	MPR
20	QPSK	1	1	17.13	17.32	17.22	18.0	0.0
Channel								
Frequency (MHz)				519502	519000	522498	time-up limit (dB)	MPR
15	QPSK	1	1	17.01	17.31	17.14	18.0	0.0
Channel								
Frequency (MHz)				519004	519000	522996	time-up limit (dB)	MPR
10	QPSK	1	1	17.09	17.38	17.06	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	17.74	17.85	17.76		
100	PI2 BPSK	1	137	17.61	17.83	17.71	19.0	0.0
100	PI2 BPSK	1	271	17.48	17.71	17.48		
100	PI2 BPSK	135	0	17.77	17.75	17.68	19.0	0.0
100	PI2 BPSK	135	69	17.73	17.86	17.71	19.0	0.0
100	PI2 BPSK	135	138	17.83	17.92	17.80		
100	PI2 BPSK	270	0	17.77	17.82	17.86	19.0	0.0
100	QPSK	1	1	17.93	17.97	17.81		
100	QPSK	1	137	17.72	17.93	17.69	19.0	0.0
100	QPSK	1	271	17.69	17.86	17.69		
100	QPSK	135	0	17.79	17.80	17.64	19.0	0.0
100	QPSK	135	69	17.70	17.94	17.81	19.0	0.0
100	QPSK	135	138	17.78	17.78	17.75	19.0	0.0
100	QPSK	270	0	17.85	17.88	17.81		
100	8QAM	1	1	17.66	17.93	17.76	19.0	0.0
100	8QAM	1	1	17.75	17.69	17.60	19.0	0.0
100	25QAM	1	1	17.87	17.86	17.95	19.0	0.0
Channel								
Frequency (MHz)				508200	518598	528998	time-up limit (dB)	MPR
90	QPSK	1	1	17.75	17.96	17.72	19.0	0.0
Channel								
Frequency (MHz)				507204	518098	528998	time-up limit (dBm)	MPR
80	QPSK	1	1	17.82	17.85	17.83	19.0	0.0
Channel								
Frequency (MHz)				506202	518598	531000	time-up limit (dB)	MPR
70	QPSK	1	1	17.71	17.94	17.68	19.0	0.0
Channel								
Frequency (MHz)				505200	518598	531996	time-up limit (dB)	MPR
60	QPSK	1	1	17.92	17.78	17.77	19.0	0.0
Channel								
Frequency (MHz)				504204	518098	532998	time-up limit (dBm)	MPR
50	QPSK	1	1	17.87	17.87	17.73	19.0	0.0
Channel								
Frequency (MHz)				503202	518598	534000	time-up limit (dB)	MPR
40	QPSK	1	1	17.81	17.94	17.79	19.0	0.0
Channel								
Frequency (MHz)				502200	518598	534996	time-up limit (dB)	MPR
30	QPSK	1	1	17.87	17.96	17.76	19.0	0.0
Channel								
Frequency (MHz)				501204	518098	535998	time-up limit (dBm)	MPR
20	QPSK	1	1	17.79	17.88	17.82	19.0	0.0
Channel								
Frequency (MHz)				500202	518598	536996	time-up limit (dB)	MPR
15	QPSK	1	1	17.76	17.77	17.83	19.0	0.0
Channel								
Frequency (MHz)				500202	518598	537000	time-up limit (dB)	MPR
10	QPSK	1	1	17.72	17.96	17.71	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.86	16.96	17.03		
100	PI2 BPSK	1	137	16.97	17.03	16.93	18.5	0.0
100	PI2 BPSK	1	271	16.76	16.75	16.72		
100	PI2 BPSK	135	0	16.84	16.91	16.82	18.5	0.0
100	PI2 BPSK	135	69	17.04	17.02	17.04	18.5	0.0
100	PI2 BPSK	135	138	16.77	16.75	16.71		
100	PI2 BPSK	270	0	16.97	16.92	16.71	18.5	0.0
100	QPSK	1	1	17.05	17.12	17.09		
100	QPSK	1	137	16.81	16.98	16.93	18.5	0.0
100	QPSK	1	271	16.96	17.03	17.01		
100	QPSK	135	0	16.84	17.00	16.93	18.5	0.0
100	QPSK	135	69	16.96	17.04	16.91	18.5	0.0
100	QPSK	135	138	16.71	16.95	16.88	18.5	0.0
100	QPSK	270	0	16.90	16.94	16.93		
100	8QAM	1	1	16.63	16.86	16.68	18.5	0.0
100	8QAM	1	1	16.99	16.96	16.98	18.5	0.0
100	25QAM	1	1	16.66	16.85	16.74	18.5	0.0
Channel								
Frequency (MHz)				649668	659000	662334	time-up limit (dB)	MPR
90	QPSK	1	1	16.92	17.09	17.04	18.5	0.0
Channel								
Frequency (MHz)				648334	659000	663668	time-up limit (dBm)	MPR
80	QPSK	1	1	16.99	17.07	16.95	18.5	0.0
Channel								
Frequency (MHz)				648000	659000	664000	time-up limit (dB)	MPR
70	QPSK	1	1	16.96	17.08	17.03	18.5	0.0
Channel								
Frequency (MHz)				648668	659000	663334	time-up limit (dB)	MPR
60	QPSK	1	1	17.02	17.00	16.92	18.5	0.0
Channel								
Frequency (MHz)				648334	659000	663668	time-up limit (dBm)	MPR
50	QPSK	1	1	16.98	16.94	16.97	18.5	0.0
Channel								
Frequency (MHz)				648000	659000	664000	time-up limit (dB)	MPR
40	QPSK	1	1	16.87	16.93	17.05	18.5	0.0
Channel								
Frequency (MHz)				647668	659000	664334	time-up limit (dB)	MPR
30	QPSK	1	1	16.91	17.06	17.05	18.5	0.0
Channel								
Frequency (MHz)				647000	659000	665000	time-up limit (dBm)	MPR
25	QPSK	1	1	16.86	16.99	17.02	18.5	0.0
Channel								
Frequency (MHz)				647254	659000	664758	time-up limit (dB)	MPR
20	QPSK	1	1	16.89	17.02	16.90	18.5	0.0
Channel								
Frequency (MHz)				647668	659000	664834	time-up limit (dB)	MPR
15	QPSK	1	1	16.93	17.02	17.06	18.5	0.0
Channel								
Frequency (MHz)				647000	659000	665000	time-up limit (dBm)	MPR
10	QPSK	1	1	16.99	16.96	17.01	18.5	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								
Frequency (MHz)				3700	3840	3930		
100	Pi2 BPSK	1	1	20.15	20.17	20.02		
100	Pi2 BPSK	1	137	20.05	20.14	19.98	21.5	0.0
100	Pi2 BPSK	1	271	20.15	20.04	20.06		
100	Pi2 BPSK	135	0	20.09	20.12	19.99	21.5	0.0
100	Pi2 BPSK	135	69	20.20	20.14	20.02	21.5	0.0
100	Pi2 BPSK	135	138	19.95	20.17	20.00		
100	Pi2 BPSK	270	0	20.15	20.12	20.12	21.5	0.0
100	QPSK	1	1	20.20	20.22	20.18		
100	QPSK	1	137	20.14	20.08	20.07	21.5	0.0
100	QPSK	1	271	20.03	20.15	20.04		
100	QPSK	135	0	20.08	20.11	20.02	21.5	0.0
100	QPSK	135	69	20.14	20.20	20.17	21.5	0.0
100	QPSK	135	138	20.03	20.16	20.00	21.5	0.0
100	QPSK	270	0	20.17	20.18	20.13	21.5	0.0
100	8QAM	1	1	20.10	20.03	20.18	21.5	0.0
100	8QAM	1	1	20.12	20.09	20.02	21.5	0.0
100	25QAM	1	1	19.29	19.20	19.14	20.5	1.0
Channel								
Frequency (MHz)				649668	650000	652334	tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.11	20.10	20.18	21.5	0.0
Channel								
Frequency (MHz)				649334	650000	650668	tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.01	20.09	20.01	21.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	limit (dBm)	MPR (dB)
70	QPSK	1	1	20.00	20.02	20.02	21.5	0.0
Channel								
Frequency (MHz)				648668	650000	653334	tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.09	20.16	20.06	21.5	0.0
Channel								
Frequency (MHz)				648334	650000	650668	tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.09	20.06	20.08	21.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	limit (dBm)	MPR (dB)
40	QPSK	1	1	20.07	20.08	19.99	21.5	0.0
Channel								
Frequency (MHz)				647668	650000	654334	tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.05	20.21	20.13	21.5	0.0
Channel								
Frequency (MHz)				647000	650000	654000	tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.07	20.18	20.10	21.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	limit (dBm)	MPR (dB)
20	QPSK	1	1	20.10	20.06	20.04	21.5	0.0
Channel								
Frequency (MHz)				647168	650000	654834	tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.00	20.03	20.03	21.5	0.0
Channel								
Frequency (MHz)				647000	650000	650000	tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.19	20.21	19.99	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					353334				
100	Pi2 BPSK	1	1		3500.01				
100	Pi2 BPSK	1	137		17.02		18.5	0.0	
100	Pi2 BPSK	1	271		17.06				
100	Pi2 BPSK	135	0		16.94		18.5	0.0	
100	Pi2 BPSK	135	69		17.21		18.5	0.0	
100	Pi2 BPSK	135	138		16.90				
100	Pi2 BPSK	270	0		17.02		18.5	0.0	
100	QPSK	1	1		17.25				
100	QPSK	1	137		17.15		18.5	0.0	
100	QPSK	1	271		17.06				
100	QPSK	135	0		16.99		18.5	0.0	
100	QPSK	135	69		17.17		18.5	0.0	
100	QPSK	135	138		17.09		18.5	0.0	
100	QPSK	270	0		17.19		18.5	0.0	
100	8QAM	1	1		16.94		18.5	0.0	
100	8QAM	1	1		16.83		18.5	0.0	
100	25QAM	1	1		17.20		18.5	0.0	
Channel									
Frequency (MHz)				633000	633333	633668	tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		17.09	17.22	17.11	18.5	0.0
Channel									
Frequency (MHz)				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		17.11	17.10	16.94	18.5	0.0
Channel									
Frequency (MHz)				632334	633334	634334	tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		17.00	17.10	17.01	18.5	0.0
Channel									
Frequency (MHz)				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		17.02	17.14	16.92	18.5	0.0
Channel									
Frequency (MHz)				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		17.06	17.13	17.08	18.5	0.0
Channel									
Frequency (MHz)				631334	633334	635334	tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		17.08	17.15	17.00	18.5	0.0
Channel									
Frequency (MHz)				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		17.09	17.22	16.99	18.5	0.0
Channel									
Frequency (MHz)				630634	633334	635934	tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1		17.11	17.21	16.96	18.5	0.0
Channel									
Frequency (MHz)				630334	633334	636200	tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		16.97	17.09	17.10	18.5	0.0
Channel									
Frequency (MHz)				630000	633334	636168	tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		17.06	17.16	17.05	18.5	0.0
Channel									
Frequency (MHz)				630334	633334	636334	tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		17.08	17.09	16.93	18.5	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									
Frequency (MHz)					353334				
					3500.01				
100	Pi2 BPSK	1	1		20.38				
100	Pi2 BPSK	1	137		20.35		21.5	0.0	
100	Pi2 BPSK	1	271		20.35				
100	Pi2 BPSK	135	0		20.41		21.5	0.0	
100	Pi2 BPSK	135	69		20.38		21.5	0.0	
100	Pi2 BPSK	135	138		20.38				
100	Pi2 BPSK	270	0		20.36		21.5	0.0	
100	QPSK	1	1		20.45				
100	QPSK	1	137		20.36		21.5	0.0	
100	QPSK	1	271		20.27				
100	QPSK	135	0		20.35		21.5	0.0	
100	QPSK	135	69		20.44		21.5	0.0	
100	QPSK	135	138		20.30		21.5	0.0	
100	QPSK	270	0		20.42		21.5	0.0	
100	8QAM	1	1		20.41		21.5	0.0	
100	8QAM	1	1		20.43		21.5	0.0	
100	25QAM	1	1		19.45		20.5	1.0	
Channel									
Frequency (MHz)				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		20.18	20.33	20.11	21.5	0.0
Channel									
Frequency (MHz)				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		20.13	20.28	20.10	21.5	0.0
Channel									
Frequency (MHz)				632334	633334	634334	tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		20.17	20.28	20.12	21.5	0.0
Channel									
Frequency (MHz)				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		20.10	20.39	20.23	21.5	0.0
Channel									
Frequency (MHz)				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		20.13	20.36	20.08	21.5	0.0
Channel									
Frequency (MHz)				631334	633334	635334	tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		20.18	20.30	20.25	21.5	0.0
Channel									
Frequency (MHz)				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		20.13	20.39	20.24	21.5	0.0
Channel									
Frequency (MHz)				630834	633334	635834	tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		20.12	20.40	20.21	21.5	0.0
Channel									
Frequency (MHz)				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1		20.29	20.25	20.18	21.5	0.0
Channel									
Frequency (MHz)				630500	633334	636200	tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		20.30	20.31	20.21	21.5	0.0
Channel									
Frequency (MHz)				630334	633334	636168	tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		20.12	20.20	20.25	21.5	0.0
Channel									
Frequency (MHz)				630234	633334	636334	tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		20.01	20.01	20.45	21.5	0.0
Channel									
Frequency (MHz)				630134	633334	636434	tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		20.20	20.31	20.25	21.5	0.0

Part270 n78 Main PA Ant1 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		17.14			18.0	0.0
100	PI2 BPSK	1	137		16.99				
100	PI2 BPSK	1	271		16.87				
100	PI2 BPSK	135	0		18.82		18.0	0.0	
100	PI2 BPSK	135	69		17.10		18.0	0.0	
100	PI2 BPSK	135	138		16.91		18.0	0.0	
100	PI2 BPSK	270	0		16.98		18.0	0.0	
100	QPSK	1	1		17.15			18.0	0.0
100	QPSK	1	137		17.07				
100	QPSK	1	271		17.06				
100	QPSK	135	0		17.06		18.0	0.0	
100	QPSK	135	69		17.10		18.0	0.0	
100	QPSK	135	138		17.03		18.0	0.0	
100	QPSK	270	0		17.00		18.0	0.0	
100	16QAM	1	1		16.93		18.0	0.0	
100	64QAM	1	1		16.96		18.0	0.0	
100	256QAM	1	1		16.95		18.0	0.0	
Channel				649698	650000	650334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3763.01	limit (dB)		
90	QPSK	1	1		17.05	17.14	16.97	18.0	0.0
Channel				649334	650000	650698	tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1		16.99	17.11	16.95	18.0	0.0
Channel				649000	650000	651000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1		17.01	17.11	17.01	18.0	0.0
Channel				648698	650000	651334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1		16.95	17.05	17.04	18.0	0.0
Channel				648334	650000	651698	tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
50	QPSK	1	1		16.96	17.06	16.93	18.0	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1		16.89	17.14	16.99	18.0	0.0
Channel				647698	650000	652334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3783.01	limit (dB)		
30	QPSK	1	1		16.95	17.05	17.05	18.0	0.0
Channel				647500	650000	652500	tune-up limit (dBm)	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
25	QPSK	1	1		16.94	17.12	17.04	18.0	0.0
Channel				647334	650000	652698	tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1		16.91	17.13	16.94	18.0	0.0
Channel				647198	650000	652834	tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3750	3793.51	limit (dB)		
15	QPSK	1	1		16.87	17.05	16.96	18.0	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1		17.00	17.00	16.97	18.0	0.0

Part270 n78 PC2 Main PA Ant1 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		19.99			21.0	0.0
100	PI2 BPSK	1	137		19.89				
100	PI2 BPSK	1	271		19.88				
100	PI2 BPSK	135	0		20.00		21.0	0.0	
100	PI2 BPSK	135	69		19.73		21.0	0.0	
100	PI2 BPSK	135	138		19.79		21.0	0.0	
100	PI2 BPSK	270	0		19.89		21.0	0.0	
100	QPSK	1	1		20.01			21.0	0.0
100	QPSK	1	137		19.78				
100	QPSK	1	271		19.76				
100	QPSK	135	0		19.92		21.0	0.0	
100	QPSK	135	69		20.00		21.0	0.0	
100	QPSK	135	138		19.80		21.0	0.0	
100	QPSK	270	0		19.84		21.0	0.0	
100	16QAM	1	1		19.82		21.0	0.0	
100	64QAM	1	1		19.41		21.0	0.0	
100	256QAM	1	1		19.97		21.0	0.0	
Channel				649698	650000	650334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3763.01	limit (dB)		
90	QPSK	1	1		19.84	19.95	19.97	21.0	0.0
Channel				649334	650000	650698	tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit (dB)		
80	QPSK	1	1		19.83	19.97	19.79	21.0	0.0
Channel				649000	650000	651000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765	limit (dB)		
70	QPSK	1	1		19.84	19.90	19.89	21.0	0.0
Channel				648698	650000	651334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit (dB)		
60	QPSK	1	1		19.95	19.97	19.75	21.0	0.0
Channel				648334	650000	651698	tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit (dB)		
50	QPSK	1	1		19.90	19.87	19.91	21.0	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	limit (dB)		
40	QPSK	1	1		19.88	19.98	19.76	21.0	0.0
Channel				647698	650000	652334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3783.01	limit (dB)		
30	QPSK	1	1		19.95	19.95	19.73	21.0	0.0
Channel				647500	650000	652500	tune-up limit (dBm)	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit (dB)		
25	QPSK	1	1		19.78	19.86	19.90	21.0	0.0
Channel				647334	650000	652698	tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit (dB)		
20	QPSK	1	1		19.84	20.00	19.84	21.0	0.0
Channel				647198	650000	652834	tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3750	3793.51	limit (dB)		
15	QPSK	1	1		19.79	19.83	19.85	21.0	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3750	3795	limit (dB)		
10	QPSK	1	1		19.77	19.89	19.71	21.0	0.0

Part27Q n78 Main PA Ant1 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3500.01				
Frequency (MHz)					17.53				
100	Pi/2 BPSK	1	1		17.19		18.0	0.0	
100	Pi/2 BPSK	1	137		17.24				
100	Pi/2 BPSK	1	271		16.99				
100	Pi/2 BPSK	135	0		16.89		18.0	0.0	
100	Pi/2 BPSK	135	69		17.19		18.0	0.0	
100	Pi/2 BPSK	135	138		17.08				
100	Pi/2 BPSK	270	0		17.29		18.0	0.0	
100	QPSK	1	1		17.44				
100	QPSK	1	137		17.30		18.0	0.0	
100	QPSK	1	271		17.24				
100	QPSK	135	0		17.35		18.0	0.0	
100	QPSK	135	69		17.40		18.0	0.0	
100	QPSK	135	138		17.22		18.0	0.0	
100	QPSK	270	0		17.12		18.0	0.0	
100	6QAM	1	1		17.12		18.0	0.0	
100	6QAM	1	1		16.85		18.0	0.0	
100	256QAM	1	1		17.07		18.0	0.0	
Channel					633000	633334	633668	tune-up limit (dB)	MPR
Frequency (MHz)					3486	3503.01	3520.02	18.0	0.0
90	QPSK	1	1		17.22	17.19	16.92	18.0	0.0
Channel					632668	633334	634000	tune-up limit (dBm)	MPR
Frequency (MHz)					3490.02	3500.01	3510	18.0	0.0
80	QPSK	1	1		17.02	17.17	17.06	18.0	0.0
Channel					632334	633334	634334	tune-up limit (dB)	MPR
Frequency (MHz)					3485.01	3500.01	3515.01	18.0	0.0
70	QPSK	1	1		17.11	17.14	17.01	18.0	0.0
Channel					632000	633334	634668	tune-up limit (dB)	MPR
Frequency (MHz)					3490	3503.01	3520.02	18.0	0.0
60	QPSK	1	1		17.11	17.07	16.93	18.0	0.0
Channel					631668	633334	635000	tune-up limit (dBm)	MPR
Frequency (MHz)					3475.02	3500.01	3525	18.0	0.0
50	QPSK	1	1		17.19	17.21	16.93	18.0	0.0
Channel					631334	633334	635334	tune-up limit (dB)	MPR
Frequency (MHz)					3470.01	3500.01	3530.01	18.0	0.0
40	QPSK	1	1		17.11	17.25	16.95	18.0	0.0
Channel					631000	633334	635668	tune-up limit (dB)	MPR
Frequency (MHz)					3465	3503.01	3523.02	18.0	0.0
30	QPSK	1	1		17.11	17.23	16.98	18.0	0.0
Channel					630634	633334	635834	tune-up limit (dBm)	MPR
Frequency (MHz)					3462.51	3500.01	3537.51	18.0	0.0
25	QPSK	1	1		17.14	17.20	16.97	18.0	0.0
Channel					630268	633334	636000	tune-up limit (dB)	MPR
Frequency (MHz)					3460.02	3500.01	3540	18.0	0.0
20	QPSK	1	1		17.22	17.09	17.09	18.0	0.0
Channel					630500	633334	636168	tune-up limit (dB)	MPR
Frequency (MHz)					3462.5	3503.01	3542.52	18.0	0.0
15	QPSK	1	1		17.08	17.14	17.05	18.0	0.0
Channel					630334	633334	636334	tune-up limit (dBm)	MPR
Frequency (MHz)					3455.01	3500.01	3545.01	18.0	0.0
10	QPSK	1	1		17.22	17.08	16.98	18.0	0.0

Part27Q n78 PC2 Main PA Ant1 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3500.01				
Frequency (MHz)					20.12				
100	Pi/2 BPSK	1	1		19.92				
100	Pi/2 BPSK	1	137		19.92		21.0	0.0	
100	Pi/2 BPSK	1	271		19.87				
100	Pi/2 BPSK	135	0		20.23		21.0	0.0	
100	Pi/2 BPSK	135	69		19.82		21.0	0.0	
100	Pi/2 BPSK	135	138		19.79				
100	Pi/2 BPSK	270	0		20.19		21.0	0.0	
100	QPSK	1	1		20.29				
100	QPSK	1	137		20.05		21.0	0.0	
100	QPSK	1	271		19.97				
100	QPSK	135	0		20.07		21.0	0.0	
100	QPSK	135	69		20.22		21.0	0.0	
100	QPSK	135	138		20.14		21.0	0.0	
100	QPSK	270	0		20.12		21.0	0.0	
100	6QAM	1	1		19.98		21.0	0.0	
100	6QAM	1	1		19.66		21.0	0.0	
100	256QAM	1	1		20.10		21.0	0.0	
Channel					633000	633334	633668	tune-up limit (dB)	MPR
Frequency (MHz)					3486	3503.01	3520.02	18.0	0.0
90	QPSK	1	1		20.03	20.00	19.92	21.0	0.0
Channel					632668	633334	634000	tune-up limit (dBm)	MPR
Frequency (MHz)					3490.02	3500.01	3510	18.0	0.0
80	QPSK	1	1		20.04	19.98	19.98	21.0	0.0
Channel					632334	633334	634334	tune-up limit (dB)	MPR
Frequency (MHz)					3485.01	3500.01	3515.01	18.0	0.0
70	QPSK	1	1		19.96	20.07	19.88	21.0	0.0
Channel					632000	633334	634668	tune-up limit (dB)	MPR
Frequency (MHz)					3490	3503.01	3520.02	18.0	0.0
60	QPSK	1	1		20.06	20.12	20.01	21.0	0.0
Channel					631668	633334	635000	tune-up limit (dBm)	MPR
Frequency (MHz)					3475.02	3500.01	3525	18.0	0.0
50	QPSK	1	1		20.00	19.98	19.89	21.0	0.0
Channel					631334	633334	635334	tune-up limit (dB)	MPR
Frequency (MHz)					3470.01	3500.01	3530.01	18.0	0.0
40	QPSK	1	1		20.01	20.08	19.84	21.0	0.0
Channel					631000	633334	635668	tune-up limit (dB)	MPR
Frequency (MHz)					3465	3503.01	3523.02	18.0	0.0
30	QPSK	1	1		19.93	20.04	20.01	21.0	0.0
Channel					630634	633334	635834	tune-up limit (dBm)	MPR
Frequency (MHz)					3462.51	3500.01	3537.51	18.0	0.0
25	QPSK	1	1		20.12	19.99	19.79	21.0	0.0
Channel					630268	633334	636000	tune-up limit (dB)	MPR
Frequency (MHz)					3460.02	3500.01	3540	18.0	0.0
20	QPSK	1	1		20.06	20.12	19.85	21.0	0.0
Channel					630500	633334	636168	tune-up limit (dB)	MPR
Frequency (MHz)					3462.5	3503.01	3542.52	18.0	0.0
15	QPSK	1	1		20.14	19.95	19.95	21.0	0.0
Channel					630334	633334	636334	tune-up limit (dBm)	MPR
Frequency (MHz)					3455.01	3500.01	3545.01	18.0	0.0
10	QPSK	1	1		19.98	19.98	19.90	21.0	0.0

n7 Main PA Ant2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)
				505000	507000	509000	MPR (dB)
	Channel			2525	2535	2545	
50	PI2 BPSK	1	1	24.82	24.89	24.75	
50	PI2 BPSK	1	135	24.67	24.76	24.71	25.7
50	PI2 BPSK	1	268	24.49	24.69	24.54	
50	PI2 BPSK	135	0	24.29	24.39	24.28	25.2
50	PI2 BPSK	135	68	24.79	24.82	24.72	25.7
50	PI2 BPSK	135	135	24.28	24.34	24.31	
50	PI2 BPSK	270	0	24.28	24.40	24.39	25.2
50	QPSK	1	1	24.88	24.92	24.83	
50	QPSK	1	135	24.76	24.82	24.78	25.7
50	QPSK	1	268	24.67	24.73	24.71	
50	QPSK	135	0	23.78	23.91	23.81	24.7
50	QPSK	135	68	24.72	24.85	24.73	25.7
50	QPSK	135	135	23.76	23.83	23.81	24.7
50	QPSK	270	0	23.83	23.99	23.95	
50	16QAM	1	1	23.71	23.81	23.85	24.7
50	64QAM	1	1	22.21	22.29	22.28	23.2
50	256QAM	1	1	20.32	20.49	20.44	21.2
	Channel			504000	507000	510000	tune-up limit (dB)
40	QPSK	1	1	24.75	24.85	24.75	25.7
	Channel			503000	507000	511000	tune-up limit (dB)
30	QPSK	1	1	24.74	24.86	24.69	25.7
	Channel			502500	507000	511500	limit (dB)
	Frequency (MHz)			2512.5	2535	2557.5	
25	QPSK	1	1	24.76	24.80	24.74	25.7
	Channel			502000	507000	512000	MPR
	Frequency (MHz)			2510	2534	2558	
20	QPSK	1	1	24.76	24.88	24.72	25.7
	Channel			501500	507000	512500	limit (dB)
	Frequency (MHz)			2507.5	2535	2562.5	
15	QPSK	1	1	24.83	24.77	24.78	25.7
	Channel			501000	507000	513000	limit (dB)
	Frequency (MHz)			2505	2535	2565	
10	QPSK	1	1	24.84	24.78	24.75	25.7
	Channel			500500	507000	513500	MPR
	Frequency (MHz)			2502.5	2535	2567.5	
5	QPSK	1	1	24.81	24.79	24.70	25.7

n66 Main PA Ant2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)
				346500	349000	351500	MPR (dB)
	Channel			1732.5	1745	1737.5	
45	PI2 BPSK	1	1	23.78	23.87	23.75	
45	PI2 BPSK	1	120	23.72	23.81	23.71	24.5
45	PI2 BPSK	1	243	23.47	23.65	23.55	
45	PI2 BPSK	120	0	23.28	23.40	23.23	24.0
45	PI2 BPSK	120	60	23.75	23.86	23.66	24.5
45	PI2 BPSK	120	120	23.28	23.35	23.24	24.0
45	PI2 BPSK	240	0	23.28	23.45	23.34	
45	QPSK	1	1	23.88	23.90	23.83	
45	QPSK	1	120	23.75	23.79	23.71	24.5
45	QPSK	1	243	23.59	23.80	23.64	
45	QPSK	120	0	22.71	22.89	22.80	23.5
45	QPSK	120	60	23.67	23.82	23.72	24.5
45	QPSK	120	120	22.73	22.88	22.74	23.5
45	QPSK	240	0	22.85	23.01	22.92	
45	16QAM	1	1	22.74	22.79	22.81	23.5
45	64QAM	1	1	21.20	21.20	21.15	22.0
45	256QAM	1	1	19.30	19.44	19.39	20.0
	Channel			346000	349000	352000	tune-up limit (dB)
	Frequency (MHz)			1724	1745	1760	
40	QPSK	1	1	23.64	23.75	23.69	24.5
	Channel			345500	349000	352500	tune-up limit (dB)
	Frequency (MHz)			1727.5	1745	1762.5	
35	QPSK	1	1	23.76	23.87	23.81	24.5
	Channel			345000	349000	353000	MPR
	Frequency (MHz)			1725	1745	1765	
30	QPSK	1	1	23.78	23.81	23.73	24.5
	Channel			344500	349000	353500	limit (dB)
	Frequency (MHz)			1722.5	1745	1762.5	
25	QPSK	1	1	23.75	23.85	23.71	24.5
	Channel			344000	349000	354000	MPR
	Frequency (MHz)			1720	1745	1770	
20	QPSK	1	1	23.80	23.77	23.77	24.5
	Channel			343500	349000	354500	limit (dB)
	Frequency (MHz)			1717.5	1745	1772.5	
15	QPSK	1	1	23.80	23.80	23.76	24.5
	Channel			343000	349000	355000	MPR
	Frequency (MHz)			1715	1745	1775	
10	QPSK	1	1	23.82	23.87	23.78	24.5
	Channel			342500	349000	355500	limit (dB)
	Frequency (MHz)			1712.5	1745	1777.5	
5	QPSK	1	1	23.72	23.75	23.73	24.5

n38 Main PA Ant2									
BW (MHz)	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	519696			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	25.11	25.23	25.21			
40	PI2 BPSK	1	53	25.00	25.12	25.02	25.7	0.0	
40	PI2 BPSK	1	104	24.99	25.02	24.93			
40	PI2 BPSK	50	0	24.71	24.81	24.77	25.2	0.5	
40	PI2 BPSK	50	28	25.16	25.19	25.15	25.7	0.0	
40	PI2 BPSK	50	56	24.64	24.73	24.64			
40	PI2 BPSK	100	0	24.75	24.87	24.74	25.2	0.5	
40	QPSK	1	1	25.20	25.29	25.26			
40	QPSK	1	53	25.09	25.21	25.15	25.7	0.0	
40	QPSK	1	104	25.13	25.16	25.13			
40	QPSK	50	0	25.25	25.34	24.27	24.7	1.0	
40	QPSK	50	28	25.15	25.22	25.11	25.7	0.0	
40	QPSK	50	56	24.26	24.30	24.16	24.7	1.0	
40	QPSK	100	0	24.32	24.41	24.29			
40	16QAM	1	1	24.12	24.22	24.09	24.7	1.0	
40	64QAM	1	1	22.50	22.63	22.56	23.2	2.5	
40	256QAM	1	1	20.73	20.85	20.77	21.2	4.5	
Channel				517002	519000	520998	tune-up limit (dB)	MPR	
Frequency (MHz)				2592.01	2592	2604.99			
30	QPSK	1	1	25.10	25.19	25.22	25.7	0.0	
Channel				516504	519000	521496	tune-up limit (dBm)	MPR	
Frequency (MHz)				2592.02	2595	2607.48			
25	QPSK	1	1	25.10	25.16	25.14	25.7	0.0	
Channel				518000	519000	522000	tune-up limit (dB)	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	25.15	25.24	25.19	25.7	0.0	
Channel				515502	519000	523498	tune-up limit (dB)	MPR	
Frequency (MHz)				2577.01	2594	2612.49			
15	QPSK	1	1	25.00	25.21	25.11	25.7	0.0	
Channel				515004	519000	525996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	25.16	25.26	25.19	25.7	0.0	

n41 Main PA Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509002	518096	526000			
Frequency (MHz)				2546.01	2552.99	2640			
100	PI2 BPSK	1	1	25.20	25.33	25.30			
100	PI2 BPSK	1	137	25.07	25.19	25.18	25.7	0.0	
100	PI2 BPSK	1	271	25.04	25.19	24.99			
100	PI2 BPSK	135	0	24.85	24.90	24.93	25.2	0.5	
100	PI2 BPSK	135	69	25.31	25.24	25.21	25.7	0.0	
100	PI2 BPSK	135	138	24.70	24.65	24.73			
100	PI2 BPSK	270	0	24.88	25.01	24.91	25.2	0.5	
100	QPSK	1	1	25.27	25.36	25.36			
100	QPSK	1	137	25.24	25.37	25.28	25.7	0.0	
100	QPSK	1	271	25.18	25.26	25.18			
100	QPSK	135	0	24.46	24.43	24.41	24.7	1.0	
100	QPSK	135	69	25.20	25.35	25.22	25.7	0.0	
100	QPSK	135	138	24.37	24.39	24.21	24.7	1.0	
100	QPSK	270	0	24.42	24.46	24.44			
100	16QAM	1	1	24.21	24.21	24.14	24.7	1.0	
100	64QAM	1	1	22.64	22.80	22.72	23.2	2.5	
100	256QAM	1	1	20.89	21.00	20.83	21.2	4.5	
Channel				509000	518098	526996	tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2552.99	2644.98			
90	QPSK	1	1	25.23	25.29	25.28	25.7	0.0	
Channel				507004	518096	526996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2552.99	2640.99			
80	QPSK	1	1	25.15	25.32	25.32	25.7	0.0	
Channel				505002	518096	531000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2552.99	2655			
70	QPSK	1	1	25.18	25.25	23.21	25.7	0.0	
Channel				505000	518098	531996	tune-up limit (dB)	MPR	
Frequency (MHz)				2525	2552.99	2659.98			
60	QPSK	1	1	25.16	25.24	25.22	25.7	0.0	
Channel				504004	518096	532996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2552.99	2664.99			
50	QPSK	1	1	25.17	25.30	25.30	25.7	0.0	
Channel				503002	518096	534000	tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2552.99	2670			
40	QPSK	1	1	25.23	25.25	25.22	25.7	0.0	
Channel				502000	518098	534996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2552.99	2674.98			
30	QPSK	1	1	25.14	25.23	25.32	25.7	0.0	
Channel				501004	518096	535996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2552.99	2679.99			
20	QPSK	1	1	25.22	25.31	25.29	25.7	0.0	
Channel				500000	518096	536996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2552.99	2682.48			
15	QPSK	1	1	25.23	25.28	25.31	25.7	0.0	
Channel				500002	518098	537000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2552.99	2685			
10	QPSK	1	1	25.15	25.30	25.27	25.7	0.0	

n7 Main PA Ant3 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50500	51000	50900			
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	19.54	19.60	19.31		21.0	0.0
50	PI2 BPSK	1	135	19.25	19.41	19.45			
50	PI2 BPSK	1	268	19.20	19.21	19.21			
50	PI2 BPSK	135	0	19.40	19.54	19.46	21.0	0.0	0.0
50	PI2 BPSK	135	68	19.36	19.39	19.45	21.0	0.0	
50	PI2 BPSK	135	135	19.47	19.44	19.37	21.0	0.0	
50	PI2 BPSK	270	0	19.42	19.54	19.43			
50	QPSK	1	1	19.47	19.61	19.44			0.0
50	QPSK	1	135	19.31	19.48	19.39	21.0	0.0	
50	QPSK	1	268	19.28	19.44	19.44			
50	QPSK	135	0	19.44	19.51	19.42	21.0	0.0	0.0
50	QPSK	135	68	19.47	19.56	19.44	21.0	0.0	
50	QPSK	135	135	19.44	19.51	19.43	21.0	0.0	
50	QPSK	270	0	19.45	19.49	19.46			0.0
50	16QAM	1	1	19.35	19.45	19.29	21.0	0.0	
50	64QAM	1	1	19.34	19.31	19.43	21.0	0.0	
50	256QAM	1	1	18.18	18.24	18.17	19.5	1.5	
Channel				50400	50700	51000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	19.38	19.58	19.27	21.0	0.0	
Channel				50300	50700	51100	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.47	19.45	19.33	21.0	0.0	
Channel				50250	50700	51150	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.42	19.44	19.30	21.0	0.0	
Channel				50200	50700	51200	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	19.34	19.52	19.30	21.0	0.0	
Channel				50150	50700	51250	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.40	19.48	19.37	21.0	0.0	
Channel				50100	50700	51300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.45	19.60	19.39	21.0	0.0	
Channel				50050	50700	51350	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.32	19.53	19.32	21.0	0.0	

n66 Main PA Ant3 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	PI2 BPSK	1	1	18.86	18.87	18.74	20.5	0.0	
45	PI2 BPSK	1	120	18.75	18.79	18.80			
45	PI2 BPSK	1	243	18.74	18.77	18.76			
45	PI2 BPSK	120	0	18.79	18.83	18.61	20.5	0.0	
45	PI2 BPSK	120	60	18.66	18.73	18.73	20.5	0.0	
45	PI2 BPSK	120	120	18.65	18.71	18.81	20.5	0.0	
45	PI2 BPSK	240	0	18.79	18.89	18.67	20.5	0.0	
45	QPSK	1	1	18.95	18.99	18.92			
45	QPSK	1	120	18.61	18.77	18.73			
45	QPSK	1	243	18.75	18.71	18.67	20.5	0.0	
45	QPSK	120	0	18.71	18.82	18.75			
45	QPSK	120	60	18.78	18.94	18.84			
45	QPSK	120	120	18.79	18.78	18.79	20.5	0.0	
45	QPSK	240	0	18.82	18.86	18.80	20.5	0.0	
45	16QAM	1	1	18.68	18.93	18.60			
45	64QAM	1	1	18.62	18.66	18.60			
45	256QAM	1	1	17.19	17.23	17.14	19.0	1.5	
Channel				346000	349000	352000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	18.54	18.53	18.57	20.5	0.0	
Channel				345500	349000	352500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	18.61	18.60	18.64	20.5	0.0	
Channel				345000	349000	353000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.66	18.75	18.62	20.5	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	18.77	18.60	18.63	20.5	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.70	18.57	18.75	20.5	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.58	18.64	18.74	20.5	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.66	18.64	18.65	20.5	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.68	18.69	18.78	20.5	0.0	

n7 Main PA Ant3 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50500	51000	50900			
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	19.54	19.60	19.31		21.0	0.0
50	PI2 BPSK	1	135	19.25	19.41	19.45			
50	PI2 BPSK	1	268	19.20	19.21	19.21			
50	PI2 BPSK	135	0	19.40	19.54	19.46	21.0	0.0	0.0
50	PI2 BPSK	135	68	19.36	19.39	19.45	21.0	0.0	
50	PI2 BPSK	135	135	19.47	19.44	19.37	21.0	0.0	
50	PI2 BPSK	270	0	19.42	19.54	19.43			
50	QPSK	1	1	19.47	19.61	19.44			0.0
50	QPSK	1	135	19.31	19.48	19.39	21.0	0.0	
50	QPSK	1	268	19.28	19.44	19.44			
50	QPSK	135	0	19.44	19.51	19.42	21.0	0.0	0.0
50	QPSK	135	68	19.47	19.56	19.44	21.0	0.0	
50	QPSK	135	135	19.44	19.51	19.43	21.0	0.0	
50	QPSK	270	0	19.45	19.49	19.46			0.0
50	16QAM	1	1	19.35	19.45	19.29	21.0	0.0	
50	64QAM	1	1	19.34	19.31	19.43	21.0	0.0	
50	256QAM	1	1	18.18	18.24	18.17	19.5	1.5	
Channel				50400	50700	51000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	19.38	19.58	19.27	21.0	0.0	
Channel				50300	50700	51100	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.47	19.45	19.33	21.0	0.0	
Channel				50250	50700	51150	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.42	19.44	19.30	21.0	0.0	
Channel				50200	50700	51200	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	19.34	19.52	19.30	21.0	0.0	
Channel				50150	50700	51250	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.40	19.48	19.37	21.0	0.0	
Channel				50100	50700	51300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.45	19.60	19.39	21.0	0.0	
Channel				50050	50700	51350	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.32	19.53	19.32	21.0	0.0	

n66 Main PA Ant3 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	PI2 BPSK	1	1	18.86	18.87	18.74	20.5	0.0	
45	PI2 BPSK	1	120	18.75	18.79	18.80			
45	PI2 BPSK	1	243	18.74	18.77	18.76			
45	PI2 BPSK	120	0	18.79	18.83	18.61	20.5	0.0	
45	PI2 BPSK	120	60	18.66	18.73	18.73	20.5	0.0	
45	PI2 BPSK	120	120	18.65	18.71	18.81	20.5	0.0	
45	PI2 BPSK	240	0	18.79	18.89	18.67	20.5	0.0	
45	QPSK	1	1	18.95	18.99	18.92			
45	QPSK	1	120	18.61	18.77	18.73			
45	QPSK	1	243	18.75	18.71	18.67	20.5	0.0	
45	QPSK	120	0	18.71	18.82	18.75			
45	QPSK	120	60	18.78	18.94	18.84			
45	QPSK	120	120	18.79	18.78	18.79	20.5	0.0	
45	QPSK	240	0	18.82	18.86	18.80	20.5	0.0	
45	16QAM	1	1	18.68	18.93	18.60			
45	64QAM	1	1	18.62	18.66	18.60			
45	256QAM	1	1	17.19	17.23	17.14	19.0	1.5	
Channel				346000	349000	352000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	18.54	18.53	18.57	20.5	0.0	
Channel				345500	349000	352500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	18.61	18.60	18.64	20.5	0.0	
Channel				345000	349000	353000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.66	18.75	18.62	20.5	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	18.77	18.60	18.63	20.5	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.70	18.57	18.75	20.5	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.58	18.64	18.74	20.5	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.68	18.64	18.65	20.5	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.68	18.69	18.78	20.5	0.0	

n38 Main PA Ant3 DSI0								
BW (MHz)	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	519696		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	18.99	19.15	18.93		
40	PI2 BPSK	1	53	18.89	18.96	18.79	20.5	0.0
40	PI2 BPSK	1	104	18.89	18.94	18.78		
40	PI2 BPSK	50	0	19.10	19.24	19.16	20.5	0.0
40	PI2 BPSK	50	28	18.99	18.99	19.14	20.5	0.0
40	PI2 BPSK	50	56	19.02	19.14	18.99		
40	PI2 BPSK	100	0	19.17	19.19	19.09	20.5	0.0
40	QPSK	1	1	18.95	19.25	19.17		
40	QPSK	1	53	19.01	19.19	19.01	20.5	0.0
40	QPSK	1	104	18.97	19.22	19.14		
40	QPSK	50	0	18.93	19.06	19.15	20.5	0.0
40	QPSK	50	28	19.18	19.21	19.15	20.5	0.0
40	QPSK	50	56	18.97	18.96	19.03	20.5	0.0
40	QPSK	100	0	19.12	19.16	19.06		
40	16QAM	1	1	19.04	19.14	19.12	20.5	0.0
40	64QAM	1	1	18.93	19.12	19.12	20.5	0.0
40	256QAM	1	1	18.84	18.91	18.87	20.0	0.5
Channel				517002	519000	520998	tune-up limit (dB)	MPR
Frequency (MHz)				2593.01	2595	2604.99		
30	QPSK	1	1	18.73	19.20	18.95	20.5	0.0
Channel				516504	519000	521496	tune-up limit (dBm)	MPR
Frequency (MHz)				2592.02	2595	2607.48		
25	QPSK	1	1	18.84	19.20	18.93	20.5	0.0
Channel				516000	519000	522000	tune-up limit (dB)	MPR
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	18.94	19.23	18.94	20.5	0.0
Channel				515502	519000	522498	tune-up limit (dB)	MPR
Frequency (MHz)				2577.01	2595	2612.48		
15	QPSK	1	1	18.85	19.09	18.99	20.5	0.0
Channel				515004	519000	522996	tune-up limit (dBm)	MPR
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.78	19.11	19.12	20.5	0.0

n41 Main PA Ant3 DSI0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Channel	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509002	518696	520600		
Frequency (MHz)				2546.01	2552.99	2640		
100	PI2 BPSK	1	1	18.12	18.38	18.14		
100	PI2 BPSK	1	137	18.20	18.19	18.06	20.0	0.0
100	PI2 BPSK	1	271	18.20	18.28	18.02		
100	PI2 BPSK	135	0	18.20	18.48	18.23	20.0	0.0
100	PI2 BPSK	135	69	18.18	18.33	18.14	20.0	0.0
100	PI2 BPSK	135	138	18.04	18.37	18.29		
100	PI2 BPSK	270	0	18.32	18.30	18.31	20.0	0.0
100	QPSK	1	1	18.23	18.52	18.36		
100	QPSK	1	137	18.23	18.25	18.21	20.0	0.0
100	QPSK	1	271	18.28	18.34	18.22		
100	QPSK	135	0	18.22	18.40	18.18	20.0	0.0
100	QPSK	135	69	18.44	18.43	18.27	20.0	0.0
100	QPSK	135	138	18.17	18.28	18.08	20.0	0.0
100	QPSK	270	0	18.25	18.26	18.18		
100	16QAM	1	1	18.15	18.42	18.28	20.0	0.0
100	64QAM	1	1	18.21	18.26	18.25	20.0	0.0
100	256QAM	1	1	18.37	18.45	18.39	20.0	0.0
Channel				508000	518696	520696	tune-up limit (dBm)	MPR
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	18.14	18.43	18.26	20.0	0.0
Channel				507004	518696	520696	tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2552.99	2640.99		
80	QPSK	1	1	18.20	18.38	18.19	20.0	0.0
Channel				506002	518696	521000	tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2552.99	2655		
70	QPSK	1	1	18.01	18.45	18.26	20.0	0.0
Channel				505000	518696	531996	tune-up limit (dB)	MPR
Frequency (MHz)				2525	2552.99	2659.98		
60	QPSK	1	1	18.12	18.45	18.32	20.0	0.0
Channel				504004	518696	532996	tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2552.99	2664.99		
50	QPSK	1	1	18.19	18.50	18.33	20.0	0.0
Channel				503002	518696	534000	tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2552.99	2670		
40	QPSK	1	1	18.07	18.41	18.15	20.0	0.0
Channel				502000	518696	534996	tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2552.99	2674.98		
30	QPSK	1	1	18.05	18.29	18.23	20.0	0.0
Channel				501004	518696	535996	tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2552.99	2679.99		
20	QPSK	1	1	18.04	18.45	18.25	20.0	0.0
Channel				500000	518696	536996	tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2552.99	2682.48		
15	QPSK	1	1	18.18	18.45	18.16	20.0	0.0
Channel				500002	518696	537000	tune-up limit (dBm)	MPR
Frequency (MHz)				2501.01	2552.99	2685		
10	QPSK	1	1	18.13	18.41	18.26	20.0	0.0

n7 Main PA Ant4 DSI0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	19.33	19.59	19.37		
50	PI2 BPSK	1	135	19.34	19.48	19.17	20.5	0.0
50	PI2 BPSK	1	268	19.33	19.39	19.28		
50	PI2 BPSK	135	0	19.47	19.48	19.39	20.5	0.0
50	PI2 BPSK	135	68	19.45	19.49	19.33	20.5	0.0
50	PI2 BPSK	135	135	19.54	19.44	19.40	20.5	0.0
50	PI2 BPSK	270	0	19.45	19.51	19.53		
50	QPSK	1	1	19.50	19.64	19.57		
50	QPSK	1	135	19.41	19.59	19.30	20.5	0.0
50	QPSK	1	268	19.45	19.53	19.61		
50	QPSK	135	0	19.29	19.43	19.49	20.5	0.0
50	QPSK	135	68	19.49	19.57	19.33	20.5	0.0
50	QPSK	135	135	19.29	19.37	19.22	20.5	0.0
50	QPSK	270	0	19.35	19.51	19.38		
50	16QAM	1	1	19.50	19.45	19.47	20.5	0.0
50	64QAM	1	1	19.44	19.48	19.40	20.5	0.0
50	256QAM	1	1	19.48	19.63	19.55	20.5	0.0
Channel				504000	507000	510000	tune-up limit (dB)	MPR
Frequency (MHz)				2502	2535	2569		
40	QPSK	1	1	19.49	19.37	19.45	20.5	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.47	19.47	19.61	20.5	0.0
Channel				502500	507000	511500	tune-up limit (dB)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.39	19.53	19.57	20.5	0.0
Channel				502000	507000	512000	tune-up limit (dB)	MPR
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	19.51	19.58	19.58	20.5	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.30	19.49	19.56	20.5	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.35	19.60	19.52	20.5	0.0
Channel				500500	507000	513500	tune-up limit (dB)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.36	19.55	19.56	20.5	0.0

n66 Main PA Ant4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1737.5		
45	PI2 BPSK	1	1	23.63	23.72	23.67		
45	PI2 BPSK	1	120	23.47	23.67	23.35	24.5	0.0
45	PI2 BPSK	1	243	23.39	23.55	23.45		
45	PI2 BPSK	120	0	23.06	23.17	23.20	24.0	0.5
45	PI2 BPSK	120	60	23.65	23.66	23.56	24.5	0.0
45	PI2 BPSK	120	120	23.09	23.23	22.98	24.0	0.5
45	PI2 BPSK	240	0	23.25	23.24	23.18		
45	QPSK	1	1	23.69	23.76	23.72		
45	QPSK	1	120	23.48	23.71	23.59	24.5	0.0
45	QPSK	1	243	23.64	23.68	23.68		
45	QPSK	120	0	22.74	22.83	22.59	23.5	1.0
45	QPSK	120	60	23.48	23.65	23.60	24.5	0.0
45	QPSK	120	120	22.44	22.55	22.47	23.5	1.0
45	QPSK	240	0	22.58	22.61	22.52		
45	16QAM	1	1	22.63	22.57	22.60	23.5	1.0
45	64QAM	1	1	20.97	21.17	21.11	22.0	2.5
45	256QAM	1	1	19.23	19.35	19.33	20.0	4.5
Channel				346000	349000	352000	tune-up limit (dBm)	MPR
Frequency (MHz)				1729	1745	1760		
40	QPSK	1	1	23.62	23.71	23.69	24.5	0.0
Channel				345500	349000	352500	tune-up limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.64	23.73	23.70	24.5	0.0
Channel				345000	349000	353000	tune-up limit (dB)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.60	23.63	23.62	24.5	0.0
Channel				344500	349000	353500	tune-up limit (dB)	MPR
Frequency (MHz)				1722.5	1745	1762.5		
25	QPSK	1	1	23.68	23.72	23.65	24.5	0.0
Channel				344000	349000	354000	tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.57	23.69	23.60	24.5	0.0
Channel				343500	349000	354500	tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.54	23.62	23.59	24.5	0.0
Channel				343000	349000	355000	tune-up limit (dB)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.58	23.70	23.58	24.5	0.0
Channel				342500	349000	355500	tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.55	23.72	23.68	24.5	0.0

n38 Main PA Ant4 DSI0									
BW (MHz)	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	519696			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	19.83	19.85	19.88			
40	PI2 BPSK	1	53	19.79	19.80	19.81	20.2	0.0	
40	PI2 BPSK	1	104	19.80	19.93	19.83			
40	PI2 BPSK	50	0	19.91	19.94	19.81	20.2	0.0	
40	PI2 BPSK	50	28	19.63	20.04	19.75	20.2	0.0	
40	PI2 BPSK	50	56	19.79	19.85	19.77			
40	PI2 BPSK	100	0	19.88	20.01	19.90	20.2	0.0	
40	QPSK	1	1	19.90	20.08	19.94			
40	QPSK	1	53	19.92	19.93	19.73	20.2	0.0	
40	QPSK	1	104	19.78	19.98	19.79			
40	QPSK	50	0	19.89	20.01	19.85	20.2	0.0	
40	QPSK	50	28	19.98	20.04	19.88	20.2	0.0	
40	QPSK	50	56	19.86	19.94	19.76	20.2	0.0	
40	QPSK	100	0	19.89	20.03	19.77			
40	16QAM	1	1	19.94	19.70	19.93	20.2	0.0	
40	64QAM	1	1	19.88	20.02	19.79	20.2	0.0	
40	256QAM	1	1	20.02	19.88	19.83	20.2	0.0	
Channel				517002	519000	520998	tune-up limit (dB)	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	20.04	19.87	19.69	20.2	0.0	
Channel				516504	519000	521496	tune-up limit (dBm)	MPR	
Frequency (MHz)				2592.02	2595	2607.48			
25	QPSK	1	1	19.90	19.63	19.84	20.2	0.0	
Channel				518000	518000	522000	tune-up limit (dB)	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	19.96	19.94	19.89	20.2	0.0	
Channel				515502	519000	522498	tune-up limit (dBm)	MPR	
Frequency (MHz)				2577.01	2595	2612.48			
15	QPSK	1	1	20.07	19.75	19.88	20.2	0.0	
Channel				515004	519000	522996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.99	19.65	19.77	20.2	0.0	

n41 Main PA Ant4 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509002	518096	528000			
Frequency (MHz)				2545.01	2552.99	2640			
100	PI2 BPSK	1	1	19.37	19.33	19.32			
100	PI2 BPSK	1	137	19.22	19.20	19.25	19.7	0.0	
100	PI2 BPSK	1	271	19.23	19.24	19.13			
100	PI2 BPSK	135	0	19.35	19.39	19.24	19.7	0.0	
100	PI2 BPSK	135	69	19.11	19.41	19.20	19.7	0.0	
100	PI2 BPSK	135	138	19.20	19.16	19.09			
100	PI2 BPSK	270	0	19.24	19.37	19.29	19.7	0.0	
100	QPSK	1	1	19.35	19.42	19.28			
100	QPSK	1	137	19.31	19.32	19.20	19.7	0.0	
100	QPSK	1	271	19.16	19.37	19.10			
100	QPSK	135	0	19.27	19.34	19.21	19.7	0.0	
100	QPSK	135	69	19.29	19.41	19.15	19.7	0.0	
100	QPSK	135	138	19.23	19.40	19.24	19.7	0.0	
100	QPSK	270	0	19.28	19.35	19.29			
100	16QAM	1	1	19.34	19.20	19.22	19.7	0.0	
100	64QAM	1	1	19.17	19.39	19.21	19.7	0.0	
100	256QAM	1	1	19.31	19.35	19.30	19.7	0.0	
Channel				508200	518096	528996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2552.99	2644.98			
90	QPSK	1	1	19.35	19.21	19.16	19.7	0.0	
Channel				507204	518096	529996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2552.99	2649.99			
80	QPSK	1	1	19.19	19.24	19.24	19.7	0.0	
Channel				505202	518096	531000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2552.99	2655			
70	QPSK	1	1	19.21	19.32	19.17	19.7	0.0	
Channel				505200	518096	531996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2525	2552.99	2659.98			
60	QPSK	1	1	19.20	19.12	19.09	19.7	0.0	
Channel				504204	518096	532996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2552.99	2664.99			
50	QPSK	1	1	19.27	19.14	19.24	19.7	0.0	
Channel				503202	518096	534000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2552.99	2670			
40	QPSK	1	1	19.34	19.29	19.09	19.7	0.0	
Channel				502200	518096	534996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2552.99	2674.98			
30	QPSK	1	1	19.35	19.19	19.23	19.7	0.0	
Channel				501204	518096	535996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2552.99	2679.99			
20	QPSK	1	1	19.19	19.29	19.24	19.7	0.0	
Channel				500200	518096	536996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2552.99	2682.48			
15	QPSK	1	1	19.40	19.17	19.10	19.7	0.0	
Channel				500202	518096	537000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2552.99	2685			
10	QPSK	1	1	19.32	19.15	19.05	19.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3700	3840	3930		
				650000	656000	662000		
100	PI2 BPSK	1	1	16.53	16.55	16.57		
100	PI2 BPSK	1	137	16.62	16.55	16.39	17.5	0.0
100	PI2 BPSK	1	271	16.30	16.40	16.23		
100	PI2 BPSK	135	0	16.28	16.45	16.36	17.5	0.0
100	PI2 BPSK	135	69	16.52	16.66	16.39	17.5	0.0
100	PI2 BPSK	135	138	16.32	16.51	16.26		
100	PI2 BPSK	270	0	16.34	16.43	16.36	17.5	0.0
100	QPSK	1	1	16.52	16.69	16.56		
100	QPSK	1	137	16.38	16.45	16.59	17.5	0.0
100	QPSK	1	271	16.54	16.47	16.51		
100	QPSK	135	0	16.30	16.53	16.34	17.5	0.0
100	QPSK	135	69	16.59	16.62	16.48	17.5	0.0
100	QPSK	135	138	16.32	16.38	16.29	17.5	0.0
100	QPSK	270	0	16.40	16.41	16.31	17.5	0.0
100	8QAM	1	1	16.19	16.36	16.37	17.5	0.0
100	8QAM	1	1	15.96	16.00	15.88	17.5	0.0
100	25QAM	1	1	16.46	16.61	16.37	17.5	0.0
Channel								
Frequency (MHz)				648668	656000	662334	time-up limit (dB)	MPR
				3743.02	3840	3930.01	(dBm)	(dB)
90	QPSK	1	1	15.90	16.03	15.87	17.5	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dBm)	MPR
				3743.01	3840	3940.02	(dB)	(dB)
80	QPSK	1	1	15.91	16.18	16.01	17.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dBm)	MPR
				649000	656000	662000	(dB)	(dB)
70	QPSK	1	1	15.88	16.00	15.90	17.5	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dBm)	MPR
				3731.02	3840	3950.01	(dB)	(dB)
60	QPSK	1	1	15.92	16.00	15.94	17.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	time-up limit (dBm)	MPR
				3725.01	3840	3955.02	(dB)	(dB)
50	QPSK	1	1	15.94	16.06	15.97	17.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dBm)	MPR
				647000	656000	664000	(dB)	(dB)
40	QPSK	1	1	15.95	16.15	16.01	17.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dBm)	MPR
				3713.02	3840	3970.01	(dB)	(dB)
30	QPSK	1	1	15.91	16.15	16.01	17.5	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dBm)	MPR
				3712.5	3840	3975.5	(dB)	(dB)
25	QPSK	1	1	15.83	16.11	16.01	17.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dBm)	MPR
				647334	656000	664668	(dB)	(dB)
20	QPSK	1	1	15.87	16.05	15.88	17.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dBm)	MPR
				3707.52	3840	3972.51	(dB)	(dB)
15	QPSK	1	1	15.90	16.14	15.92	17.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dBm)	MPR
				3705	3840	3975	(dB)	(dB)
10	QPSK	1	1	15.88	16.13	15.93	17.5	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								
Frequency (MHz)				3700	3840	3930		
				650000	656000	662000		
100	PI2 BPSK	1	1	19.53	19.52	19.54		
100	PI2 BPSK	1	137	19.57	19.39	19.26	20.5	0.0
100	PI2 BPSK	1	271	19.15	19.37	19.07		
100	PI2 BPSK	135	0	19.12	19.31	19.19	20.5	0.0
100	PI2 BPSK	135	69	19.36	19.55	19.27	20.5	0.0
100	PI2 BPSK	135	138	19.17	19.40	19.23		
100	PI2 BPSK	270	0	19.21	19.26	19.19	20.5	0.0
100	QPSK	1	1	19.56	19.71	19.59		
100	QPSK	1	137	19.24	19.32	19.57	20.5	0.0
100	QPSK	1	271	19.54	19.46	19.52		
100	QPSK	135	0	19.17	19.31	19.19	20.5	0.0
100	QPSK	135	69	19.42	19.64	19.28	20.5	0.0
100	QPSK	135	138	19.18	19.24	19.17	20.5	0.0
100	QPSK	270	0	19.22	19.35	19.32	20.5	0.0
100	8QAM	1	1	19.06	19.26	19.37	20.5	0.0
100	8QAM	1	1	18.95	18.87	18.87	20.5	0.0
100	25QAM	1	1	19.30	19.49	19.36	20.5	0.0
Channel								
Frequency (MHz)				648668	656000	662334	time-up limit (dB)	MPR
				3743.02	3840	3940.01	(dBm)	(dB)
90	QPSK	1	1	19.01	19.09	19.00	20.5	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dBm)	MPR
				3740.01	3840	3940.02	(dB)	(dB)
80	QPSK	1	1	18.95	19.13	19.08	20.5	0.0
Channel								
Frequency (MHz)				648000	656000	662000	time-up limit (dBm)	MPR
				3735	3840	3945	(dB)	(dB)
70	QPSK	1	1	18.88	19.19	19.04	20.5	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dBm)	MPR
				3731.02	3840	3950.01	(dB)	(dB)
60	QPSK	1	1	19.00	19.09	19.05	20.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	time-up limit (dBm)	MPR
				3725.01	3840	3955.02	(dB)	(dB)
50	QPSK	1	1	19.04	19.18	19.02	20.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dBm)	MPR
				647000	656000	664000	(dB)	(dB)
40	QPSK	1	1	18.91	19.15	18.93	20.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dBm)	MPR
				3713.02	3840	3970.01	(dB)	(dB)
30	QPSK	1	1	19.08	19.09	19.00	20.5	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dBm)	MPR
				3712.5	3840	3975.5	(dB)	(dB)
25	QPSK	1	1	18.90	19.06	19.06	20.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dBm)	MPR
				647334	656000	664668	(dB)	(dB)
20	QPSK	1	1	19.01	19.02	18.89	20.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dBm)	MPR
				3707.52	3840	3972.51	(dB)	(dB)
15	QPSK	1	1	19.08	19.11	19.06	20.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dBm)	MPR
				3705	3840	3975	(dB)	(dB)
10	QPSK	1	1	18.97	19.17	19.01	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
				630000	633334	636668		
100	PI2 BPSK	1	1		16.58			
100	PI2 BPSK	1	137		16.63		17.5	0.0
100	PI2 BPSK	1	271		16.39			
100	PI2 BPSK	135	0		16.61		17.5	0.0
100	PI2 BPSK	135	69		16.75		17.5	0.0
100	PI2 BPSK	135	138		16.58			
100	PI2 BPSK	270	0		16.53		17.5	0.0
100	QPSK	1	1		16.62			
100	QPSK	1	137		16.74		17.5	0.0
100	QPSK	1	271		16.61			
100	QPSK	135	0		16.61		17.5	0.0
100	QPSK	135	69		16.73		17.5	0.0
100	QPSK	135	138		16.56		17.5	0.0</

Part27Q n77 PC2 Main PA Ant5 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	633334			
Frequency (MHz)				19.56				
100	PI2 BPSK	1	1	19.87			20.5	0.0
100	PI2 BPSK	1	137	19.87				
100	PI2 BPSK	1	271	19.62				
100	PI2 BPSK	135	0	19.85			20.5	0.0
100	PI2 BPSK	135	69	19.95			20.5	0.0
100	PI2 BPSK	135	138	19.76				
100	PI2 BPSK	270	0	19.95			20.5	0.0
100	QPSK	1	1	20.15				
100	QPSK	1	137	19.98			20.5	0.0
100	QPSK	1	271	20.00				
100	QPSK	135	0	20.02			20.5	0.0
100	QPSK	135	69	20.09			20.5	0.0
100	QPSK	135	138	19.76			20.5	0.0
100	QPSK	270	0	19.97			20.5	0.0
100	8QAM	1	1	19.47			20.5	0.0
100	8QAM	1	1	19.21			20.5	0.0
100	25QAM	1	1	19.63			20.5	0.0
Channel				633000	633334	633668	time-up limit	MPR
Frequency (MHz)				3495	3500.01	3503.02	(dBm)	(dB)
90	QPSK	1	1	19.55	19.50	19.59	20.5	0.0
Channel				632668	633334	634000	time-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.58	19.59	19.50	20.5	0.0
Channel				632334	633334	634334	time-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.51	19.49	19.42	20.5	0.0
Channel				632000	633334	634668	time-up limit	MPR
Frequency (MHz)				3480	3500.01	3510.02	(dBm)	(dB)
60	QPSK	1	1	19.56	19.63	19.41	20.5	0.0
Channel				631668	633334	635000	time-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.54	19.54	19.51	20.5	0.0
Channel				631334	633334	635334	time-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.52	19.50	19.56	20.5	0.0
Channel				631000	633334	635668	time-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.59	19.47	19.42	20.5	0.0
Channel				630634	633334	636034	time-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	19.54	19.48	19.41	20.5	0.0
Channel				630300	633334	636300	time-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.55	19.52	19.43	20.5	0.0
Channel				630000	633334	636668	time-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.5	(dBm)	(dB)
15	QPSK	1	1	19.54	19.64	19.45	20.5	0.0
Channel				630334	633334	636334	time-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	19.54	19.56	19.50	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				16.21				
100	PI2 BPSK	1	1	16.29			17.0	0.0
100	PI2 BPSK	1	137	16.29				
100	PI2 BPSK	1	271	16.11				
100	PI2 BPSK	135	0	16.09			17.0	0.0
100	PI2 BPSK	135	69	16.23			17.0	0.0
100	PI2 BPSK	135	138	16.14				
100	PI2 BPSK	270	0	16.20			17.0	0.0
100	QPSK	1	1	16.32				
100	QPSK	1	137	16.22			17.0	0.0
100	QPSK	1	271	16.20				
100	QPSK	135	0	16.16			17.0	0.0
100	QPSK	135	69	16.28			17.0	0.0
100	QPSK	135	138	16.19			17.0	0.0
100	QPSK	270	0	16.22			17.0	0.0
100	8QAM	1	1	16.04			17.0	0.0
100	8QAM	1	1	15.80			17.0	0.0
100	25QAM	1	1	16.24			17.0	0.0
Channel				649668	650000	650334	time-up limit	MPR
Frequency (MHz)				3743.02	3750	3753.01	(dBm)	(dB)
90	QPSK	1	1	16.20	16.16	16.09	17.0	0.0
Channel				649334	650000	650668	time-up limit	MPR
Frequency (MHz)				3740.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	16.18	16.08	16.11	17.0	0.0
Channel				649000	650000	651000	time-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.21	16.22	16.10	17.0	0.0
Channel				648668	650000	651334	time-up limit	MPR
Frequency (MHz)				3730.02	3750	3760.01	(dBm)	(dB)
60	QPSK	1	1	16.05	16.07	16.09	17.0	0.0
Channel				648334	650000	651668	time-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	16.18	16.11	16.00	17.0	0.0
Channel				648000	650000	652000	time-up limit	MPR
Frequency (MHz)				3720	3750	3790	(dBm)	(dB)
40	QPSK	1	1	16.00	16.14	16.07	17.0	0.0
Channel				647668	650000	652334	time-up limit	MPR
Frequency (MHz)				3715.02	3750	3783.01	(dBm)	(dB)
30	QPSK	1	1	16.22	16.15	16.08	17.0	0.0
Channel				647500	650000	652500	time-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	16.17	16.04	16.16	17.0	0.0
Channel				647334	650000	652668	time-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	16.05	16.11	16.11	17.0	0.0
Channel				647168	650000	652834	time-up limit	MPR
Frequency (MHz)				3707.52	3750	3782.51	(dBm)	(dB)
15	QPSK	1	1	16.17	16.16	16.01	17.0	0.0
Channel				647000	650000	653000	time-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	16.09	16.20	16.13	17.0	0.0

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BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				1	16.12			
100	PI2 BPSK	1	1	16.23			20.0	0.0
100	PI2 BPSK	1	137	16.23				
100	PI2 BPSK	1	271	16.18				
100	PI2 BPSK	135	0	16.17			20.0	0.0
100	PI2 BPSK	135	69	16.32			20.0	0.0
100	PI2 BPSK	135	138	16.06				
100	PI2 BPSK	270	0	16.19			20.0	0.0
100	QPSK	1	1	16.39				
100	QPSK	1	137	16.12			20.0	0.0
100	QPSK	1	271	16.09				
100	QPSK	135	0	16.15			20.0	0.0
100	QPSK	135	69	16.30			20.0	0.0
100	QPSK	135	138	16.16			20.0	0.0
100	QPSK	270	0	16.18			20.0	0.0
100	16QAM	1	1	16.03			20.0	0.0
100	64QAM	1	1	16.91			20.0	0.0
100	256QAM	1	1	16.35			20.0	0.0
Channel				649668	650000	650334	time-up limit	MPR
Frequency (MHz)				3743.02	3750	3753.01	(dBm)	(dB)
90	QPSK	1	1	16.12	16.12	16.09	20.0	0.0
Channel				649334	650000	650668	time-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	16.12	16.07	16.98	20.0	0.0
Channel				649000	650000	651000	time-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.09	16.17	16.07	20.0	0.0
Channel				648668	650000	651334	time-up limit	MPR
Frequency (MHz)				3730.02	3750	3760.01	(dBm)	(dB)
60	QPSK	1	1	16.14	16.23	16.04	20.0	0.0
Channel				648334	650000	651668	time-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	16.09	16.15	16.03	20.0	0.0
Channel				648000	650000	652000	time-up limit	MPR
Frequency (MHz)				3720	3750	3790	(dBm)	(dB)
40	QPSK	1	1	16.18	16.06	16.98	20.0	0.0
Channel				647668	650000	652334	time-up limit	MPR
Frequency (MHz)				3715.02	3750	3783.01	(dBm)	(dB)
30	QPSK	1	1	16.16	16.24	16.05	20.0	0.0
Channel				647500	650000	652500	time-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	16.20	16.08	16.97	20.0	0.0
Channel				647334	650000	652668	time-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	16.24	16.23	16.06	20.0	0.0
Channel				647168	650000	652834	time-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	16.26	16.12	16.02	20.0	0.0
Channel				647000	650000	653000	time-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	16.29	16.09	16.02	20.0	0.0

Part27Q n78 Main PA Ant5 DSI0									
BW (MHz)	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		3000.01	17.0	0.0	
Frequency (MHz)				16.15					
100	PI2 BPSK	1	1	16.06					
100	PI2 BPSK	1	137	16.06					
100	PI2 BPSK	1	271	16.01					
100	PI2 BPSK	135	0	15.94			17.0	0.0	
100	PI2 BPSK	135	69	16.09			17.0	0.0	
100	PI2 BPSK	135	138	16.02			17.0	0.0	
100	PI2 BPSK	270	0	16.09			17.0	0.0	
100	QPSK	1	1	16.28			17.0	0.0	
100	QPSK	1	137	16.06					
100	QPSK	1	271	16.06					
100	QPSK	135	0	16.04					
100	QPSK	135	69	16.12			17.0	0.0	
100	QPSK	135	138	15.98			17.0	0.0	
100	QPSK	270	0	16.08			17.0	0.0	
100	16QAM	1	1	15.83			17.0	0.0	
100	64QAM	1	1	15.59			17.0	0.0	
100	256QAM	1	1	16.06			17.0	0.0	
Channel				633000	633334	633668	turn-up limit (dB)	MPR	
Frequency (MHz)				3456	3000.01	3020.02	(dB)		
90	QPSK	1	1	16.16	15.95	15.93	17.0	0.0	
Channel				632668	633334	634000	turn-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3000.01	3510	(dB)		
80	QPSK	1	1	16.10	16.15	15.95	17.0	0.0	
Channel				632334	633334	634334	turn-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3000.01	3515.01	(dB)		
70	QPSK	1	1	16.12	16.03	15.81	17.0	0.0	
Channel				632000	633334	634668	turn-up limit (dB)	MPR	
Frequency (MHz)				3450	3000.01	3520.02	(dB)		
60	QPSK	1	1	16.15	15.95	15.79	17.0	0.0	
Channel				631668	633334	635000	turn-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3000.01	3525	(dB)		
50	QPSK	1	1	16.08	16.02	15.95	17.0	0.0	
Channel				631334	633334	635334	turn-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3000.01	3530.01	(dB)		
40	QPSK	1	1	16.04	15.95	15.87	17.0	0.0	
Channel				631000	633334	635668	turn-up limit (dB)	MPR	
Frequency (MHz)				3465	3000.01	3535.02	(dB)		
30	QPSK	1	1	15.99	16.13	15.77	17.0	0.0	
Channel				630834	633334	635834	turn-up limit (dB)	MPR	
Frequency (MHz)				3462.51	3000.01	3537.51	(dB)		
25	QPSK	1	1	16.01	16.01	15.97	17.0	0.0	
Channel				630568	633334	636000	turn-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3000.01	3540	(dB)		
20	QPSK	1	1	16.14	15.92	15.80	17.0	0.0	
Channel				630500	633334	636168	turn-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3000.01	3543.52	(dB)		
15	QPSK	1	1	16.00	16.11	15.85	17.0	0.0	
Channel				630334	633334	636334	turn-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3000.01	3545.01	(dB)		
10	QPSK	1	1	16.00	16.06	15.84	17.0	0.0	

Part27Q n78 PC2 Main PA Ant5 DSI0									
BW (MHz)	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		3000.01	18.0	0.0	
Frequency (MHz)				16.51					
100	PI2 BPSK	1	1	16.11					
100	PI2 BPSK	1	137	16.11					
100	PI2 BPSK	1	271	16.96					
100	PI2 BPSK	135	0	19.00			20.0	0.0	
100	PI2 BPSK	135	69	19.25			20.0	0.0	
100	PI2 BPSK	135	138	18.86			20.0	0.0	
100	PI2 BPSK	270	0	18.97			20.0	0.0	
100	QPSK	1	1	19.39			20.0	0.0	
100	QPSK	1	137	19.10					
100	QPSK	1	271	19.04					
100	QPSK	135	0	19.12					
100	QPSK	135	69	19.22			20.0	0.0	
100	QPSK	135	138	19.05			20.0	0.0	
100	QPSK	270	0	19.00			20.0	0.0	
100	16QAM	1	1	18.87			20.0	0.0	
100	64QAM	1	1	18.71			20.0	0.0	
100	256QAM	1	1	19.22			20.0	0.0	
Channel				633000	633334	633668	turn-up limit (dB)	MPR	
Frequency (MHz)				3456	3000.01	3520.02	(dB)		
90	QPSK	1	1	19.06	18.83	18.50	20.0	0.0	
Channel				632668	633334	634000	turn-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3000.01	3510	(dB)		
80	QPSK	1	1	18.92	18.97	18.86	20.0	0.0	
Channel				632334	633334	634334	turn-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3000.01	3515.01	(dB)		
70	QPSK	1	1	18.98	18.88	18.75	20.0	0.0	
Channel				632000	633334	634668	turn-up limit (dB)	MPR	
Frequency (MHz)				3450	3000.01	3520.02	(dB)		
60	QPSK	1	1	19.05	18.95	18.84	20.0	0.0	
Channel				631668	633334	635000	turn-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3000.01	3525	(dB)		
50	QPSK	1	1	19.03	18.94	18.88	20.0	0.0	
Channel				631334	633334	635334	turn-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3000.01	3530.01	(dB)		
40	QPSK	1	1	19.12	19.03	18.89	20.0	0.0	
Channel				631000	633334	635668	turn-up limit (dB)	MPR	
Frequency (MHz)				3465	3000.01	3535.02	(dB)		
30	QPSK	1	1	18.92	18.99	18.85	20.0	0.0	
Channel				630834	633334	635834	turn-up limit (dB)	MPR	
Frequency (MHz)				3462.51	3000.01	3537.51	(dB)		
25	QPSK	1	1	19.08	18.92	18.87	20.0	0.0	
Channel				630568	633334	636000	turn-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3000.01	3540	(dB)		
20	QPSK	1	1	19.06	19.07	18.79	20.0	0.0	
Channel				630500	633334	636168	turn-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3000.01	3543.52	(dB)		
15	QPSK	1	1	18.98	19.04	18.81	20.0	0.0	
Channel				630334	633334	636334	turn-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3000.01	3545.01	(dB)		
10	QPSK	1	1	19.02	19.04	18.81	20.0	0.0	

Part27O n77 Main PA Ant6 DSI0

BW [MHz]	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)				3700	3840	3930		
100	PI2 BPSK	1	1	15.12	15.26	15.02		
100	PI2 BPSK	1	137	15.07	15.16	14.93	16.5	0.0
100	PI2 BPSK	1	271	14.91	15.14	14.89		
100	PI2 BPSK	135	0	14.89	15.02	15.03	16.5	0.0
100	PI2 BPSK	135	69	15.19	15.10	15.02	16.5	0.0
100	PI2 BPSK	135	138	15.03	15.19	14.77		
100	PI2 BPSK	270	0	15.00	15.10	14.91	16.5	0.0
100	QPSK	1	1	15.21	15.30	15.26		
100	QPSK	1	137	15.18	15.10	14.99	16.5	0.0
100	QPSK	1	271	15.04	15.14	15.01		
100	QPSK	135	0	14.90	15.06	14.82	16.5	0.0
100	QPSK	135	69	15.21	15.28	15.23	16.5	0.0
100	QPSK	135	138	15.02	15.04	14.89	16.5	0.0
100	QPSK	270	0	15.20	15.25	15.16	16.5	0.0
100	8QAM	1	1	15.15	15.19	14.99	16.5	0.0
100	8QAM	1	1	15.11	15.26	14.99	16.5	0.0
100	25QAM	1	1	15.17	15.27	15.11	16.5	0.0
Channel								
Frequency (MHz)				649668	656000	662334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	15.07	15.14	15.14	16.5	0.0
Channel								
Frequency (MHz)				649334	656000	662668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	15.08	15.16	15.14	16.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	limit (dB)	MPR (dB)
70	QPSK	1	1	15.09	15.19	15.16	16.5	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	15.03	15.16	15.21	16.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	15.18	15.28	15.25	16.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	limit (dB)	MPR (dB)
40	QPSK	1	1	15.14	15.13	15.22	16.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	15.14	15.13	15.11	16.5	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	15.17	15.20	15.10	16.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	limit (dB)	MPR (dB)
20	QPSK	1	1	15.13	15.11	15.21	16.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	15.13	15.20	15.21	16.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	15.15	15.23	15.15	16.5	0.0

Part27O n77 PC2 Main PA Ant6 DSI0

BW [MHz]	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)				3700	3840	3930		
100	PI2 BPSK	1	1	17.80	18.04	17.86		
100	PI2 BPSK	1	137	17.85	18.05	17.75	19.5	0.0
100	PI2 BPSK	1	271	17.70	17.90	17.65		
100	PI2 BPSK	135	0	17.80	17.70	17.74	19.5	0.0
100	PI2 BPSK	135	69	18.02	17.99	17.87	19.5	0.0
100	PI2 BPSK	135	138	17.81	18.01	17.86		
100	PI2 BPSK	270	0	17.80	17.84	17.78	19.5	0.0
100	QPSK	1	1	18.02	18.06	18.01		
100	QPSK	1	137	17.92	17.85	17.83	19.5	0.0
100	QPSK	1	271	17.84	18.03	17.71		
100	QPSK	135	0	17.77	17.96	17.73	19.5	0.0
100	QPSK	135	69	17.95	18.03	17.99	19.5	0.0
100	QPSK	135	138	17.91	17.94	17.87	19.5	0.0
100	QPSK	270	0	17.97	17.99	17.97	19.5	0.0
100	8QAM	1	1	17.96	18.02	17.86	19.5	0.0
100	8QAM	1	1	17.87	17.86	17.90	19.5	0.0
100	25QAM	1	1	18.00	18.00	17.78	19.5	0.0
Channel								
Frequency (MHz)				649668	656000	662334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	18.02	17.91	17.90	19.5	0.0
Channel								
Frequency (MHz)				649334	656000	662668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	17.88	17.95	17.84	19.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	limit (dB)	MPR (dB)
70	QPSK	1	1	17.90	17.97	17.92	19.5	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	17.07	17.95	17.99	19.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	17.99	17.86	17.88	19.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	limit (dB)	MPR (dB)
40	QPSK	1	1	17.84	17.98	17.82	19.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	17.98	18.04	17.83	19.5	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	18.01	17.95	17.99	19.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	limit (dB)	MPR (dB)
20	QPSK	1	1	17.93	17.87	17.82	19.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	17.93	18.00	17.91	19.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	18.00	17.93	17.87	19.5	0.0

Part27Q n77 Main PA Ant6 DSI0

BW [MHz]	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	PI2 BPSK	1	1		15.07			
100	PI2 BPSK	1	137		15.19		16.5	0.0
100	PI2 BPSK	1	271		14.83			
100	PI2 BPSK	135	0		14.73		16.5	0.0
100	PI2 BPSK	135	69		15.02		16.5	0.0
100	PI2 BPSK	135	138		15.17		16.5	0.0
100	PI2 BPSK	270	0		15.14			
100	QPSK	1	1		15.22			
100	QPSK	1	137		15.04		16.5	0.0
100	QPSK	1	271		14.98			
100	QPSK	135	0		15.10		16.5	0.0
100	QPSK	135	69		15.15		16.5	0.0
100	QPSK	135	138		15.02		16.5	0.0
100	QPSK	270	0		15.12		16.5	0.0
100	8QAM	1	1		15.21		16.5	0.0
100	8QAM	1	1		15.22		16.5	0.0
100	25QAM	1	1		15.08		16.5	0.0
Channel								
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	15.08	15.11	14.94	16.5	0.0
Channel								
Frequency (MHz)				3460.02	3500.01	3510.01	limit (dB)	MPR (dB)
80	QPSK	1	1	14.92	15.11	14.97	16.5	0.0
Channel								
Frequency (MHz)				632334	633334	634334	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	14.85	15.11	15.11	16.5	0.0
Channel								
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)	MPR (dB)
70	QPSK	1	1	15.03	15.11	14.87	16.5	0.0
Channel								
Frequency (MHz)				632500	633334	633668	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	14.90	15.00	15.02	16.5	0.0
Channel								
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)	MPR (dB)
60	QPSK	1	1	15.01	15.11	14.92	16.5	0.0
Channel								
Frequency (MHz)				631668	633334	633000	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	14.95	15.01	14.92	16.5	0.0
Channel								
Frequency (MHz)				631334	633334	633334	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	14.79	15.03	14.87	16.5	0.0
Channel								
Frequency (MHz)				631000	633334	633668	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	14.91	15.11	15.03	16.5	0.0
Channel								
Frequency (MHz)				349334	633334	633334	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	14.90	15.00	14.90	16.5	0.0
Channel								
Frequency (MHz)				3482.81	3500.01	3537.81	limit (dB)	MPR (dB)
25	QPSK	1	1	14.94	15.02	14.92	16.5	0.0
Channel								
Frequency (MHz)				630668	633334	633000	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	14.90	15.01	14.90	16.5	0.0
Channel								
Frequency (MHz)				3490.02	3500.01	3540	limit (dB)	MPR (dB)
20	QPSK	1	1	14.90	15.01	14.90	16.5	0.0
Channel								
Frequency (MHz)				632000	633334	631668	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	15.04	15.11	14.96	16.5	0.0
Channel								
Frequency (MHz)				632334	633334	632500	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	15.01	15.11	14.84	16.5	0.0

Part27Q n77 PC2 Main PA Ant6 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3500.01	633334				
Frequency (MHz)				18.12					
100	PI2 BPSK	1	1	18.19			19.5	0.0	
100	PI2 BPSK	1	137						
100	PI2 BPSK	1	271	17.95					
100	PI2 BPSK	135	0	17.83			19.5	0.0	
100	PI2 BPSK	135	69	18.19			19.5	0.0	
100	PI2 BPSK	135	138	18.04			19.5	0.0	
100	PI2 BPSK	270	0	17.99			19.5	0.0	
100	QPSK	1	1	18.23					
100	QPSK	1	137	18.05			19.5	0.0	
100	QPSK	1	271	18.11					
100	QPSK	135	0	18.07			19.5	0.0	
100	QPSK	135	69	18.20			19.5	0.0	
100	QPSK	135	138	18.00			19.5	0.0	
100	QPSK	270	0	18.16			19.5	0.0	
100	8QAM	1	1	18.19			19.5	0.0	
100	8QAM	1	1	18.07			19.5	0.0	
100	25QAM	1	1	18.13			19.5	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	3499	3500.01	3503.02	17.99	17.96	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3490.02	3500.01	3510	18.05	18.06	18.02
Channel				632334	633334	634334	tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3485.01	3500.01	3515.01	17.98	18.17	17.98
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3480.01	3500.01	3520.01	18.01	18.12	18.01
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3475.02	3500.01	3525	18.01	18.13	18.07
Channel				631334	633334	635334	tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3470.01	3500.01	3530.01	18.07	18.14	18.01
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3465.01	3500.01	3535.02	17.91	18.13	17.97
Channel				630634	633334	636334	tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3462.51	3500.01	3537.51	18.08	18.05	17.98
Channel				630300	633334	636668	tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3460.02	3500.01	3540	17.98	18.19	18.07
Channel				630000	633334	636968	tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3457.5	3500.01	3542.5	18.05	18.16	18.14
Channel				630334	633334	636334	tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3455.01	3500.01	3545.01	18.07	18.18	17.97

Part27O n78 Main PA Ant6 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				14.50					
100	PI2 BPSK	1	1	14.54			15.5	0.0	
100	PI2 BPSK	1	137	14.48					
100	PI2 BPSK	1	271	14.26					
100	PI2 BPSK	135	0	14.33			15.5	0.0	
100	PI2 BPSK	135	69	14.43			15.5	0.0	
100	PI2 BPSK	135	138	14.44			15.5	0.0	
100	PI2 BPSK	270	0	14.33			15.5	0.0	
100	QPSK	1	1	14.06					
100	QPSK	1	137	14.49			15.5	0.0	
100	QPSK	1	271	14.54					
100	QPSK	135	0	14.06			15.5	0.0	
100	QPSK	135	69	14.57			15.5	0.0	
100	QPSK	135	138	14.30			15.5	0.0	
100	QPSK	270	0	14.54			15.5	0.0	
100	8QAM	1	1	14.61			15.5	0.0	
100	8QAM	1	1	14.36			15.5	0.0	
100	25QAM	1	1	14.53			15.5	0.0	
Channel				649668	650000	650334	tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	3742.02	3750	3763.01	14.15	14.05	14.36
Channel				649334	650000	650668	tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3740.01	3750	3760.02	14.52	14.48	14.36
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3737.5	3750	3765	14.46	14.48	14.36
Channel				648668	650000	651334	tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3735.02	3750	3763.01	14.54	14.52	14.38
Channel				648334	650000	651668	tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3732.51	3750	3765.02	14.54	14.52	14.38
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3730.02	3750	3760	14.56	14.52	14.47
Channel				647668	650000	652334	tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3733.02	3750	3763.01	14.48	14.59	14.43
Channel				647300	650000	652500	tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3731.25	3750	3767.5	14.53	14.54	14.47
Channel				647000	650000	652800	tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3729.01	3750	3760.02	14.58	14.64	14.47
Channel				647168	650000	653168	tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3727.52	3750	3762.51	14.43	14.63	14.35
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3705	3750	3795	14.43	14.58	14.34

Part27O n78 PC2 Main PA Ant6 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				17.40					
100	PI2 BPSK	1	1	17.47			18.5	0.0	
100	PI2 BPSK	1	137	17.41					
100	PI2 BPSK	1	271	17.20					
100	PI2 BPSK	135	0	17.18			18.5	0.0	
100	PI2 BPSK	135	69	17.43			18.5	0.0	
100	PI2 BPSK	135	138	17.51			18.5	0.0	
100	PI2 BPSK	270	0	17.26			18.5	0.0	
100	QPSK	1	1	17.63					
100	QPSK	1	137	17.34			18.5	0.0	
100	QPSK	1	271	17.47					
100	QPSK	135	0	17.43			18.5	0.0	
100	QPSK	135	69	17.58			18.5	0.0	
100	QPSK	135	138	17.30			18.5	0.0	
100	QPSK	270	0	17.48			18.5	0.0	
100	16QAM	1	1	17.20			18.5	0.0	
100	64QAM	1	1	16.87			18.5	0.0	
100	256QAM	1	1	17.22			18.5	0.0	
Channel				649668	650000	650334	tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	3743.02	3750	3763.01	17.49	17.52	17.39
Channel				649334	650000	650668	tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3740.01	3750	3760.02	17.44	17.59	17.53
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3737.5	3750	3765	17.42	17.59	17.32
Channel				648668	650000	651334	tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3735.02	3750	3763.01	17.41	17.45	17.43
Channel				648334	650000	651668	tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3732.51	3750	3765.02	17.27	17.45	17.50
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3730.02	3750	3760	17.36	17.48	17.30
Channel				647668	650000	652334	tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3733.02	3750	3763.01	17.28	17.62	17.44
Channel				647300	650000	652500	tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3731.25	3750	3767.5	17.45	17.47	17.39
Channel				647000	650000	652800	tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3728.75	3750	3765	17.42	17.59	17.32
Channel				646668	650000	653134	tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3727.5	3750	3762.51	17.27	17.53	17.30
Channel				646334	650000	653468	tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3734	3750	3746	17.48	17.50	17.46

Part27Q n78 Main PA DSI0 Ant6									
BW (MHz)	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		3000.01			
100	PI2 BPSK	1	1		14.48		15.5		
100	PI2 BPSK	1	137		14.57				
100	PI2 BPSK	1	271		14.40				
100	PI2 BPSK	135	0		14.48		15.5	0.0	
100	PI2 BPSK	135	69		14.38		15.5	0.0	
100	PI2 BPSK	135	138		14.44		15.5		
100	PI2 BPSK	270	0		14.30			0.0	
100	QPSK	1	1		14.69				
100	QPSK	1	137		14.47		15.5	0.0	
100	QPSK	1	271		14.69		15.5		
100	QPSK	135	0		14.54			0.0	
100	QPSK	135	69		14.63		15.5	0.0	
100	QPSK	135	138		14.40		15.5	0.0	
100	QPSK	270	0		14.58		15.5		
100	16QAM	1	1		14.39			0.0	
100	64QAM	1	1		14.04			0.0	
100	256QAM	1	1		14.48		15.5	0.0	
Channel				633000	633334	633668	turn-up limit	MPR	
Frequency (MHz)				3495	3000.01	3028.02	(dB)		
90	QPSK	1	1	14.49	14.52	14.53	15.5	0.0	
Channel				632668	633334	634000	turn-up limit	MPR	
Frequency (MHz)				3490.02	3000.01	3010	(dB)		
80	QPSK	1	1	14.47	14.47	14.41	15.5	0.0	
Channel				632334	633334	634334	limit	MPR	
Frequency (MHz)				3485.01	3000.01	3015.01	(dB)		
70	QPSK	1	1	14.39	14.54	14.53	15.5	0.0	
Channel				632000	633334	634668	turn-up limit	MPR	
Frequency (MHz)				3480	3000.01	3020.02	(dB)		
60	QPSK	1	1	14.50	14.50	14.54	15.5	0.0	
Channel				631668	633334	635000	turn-up limit	MPR	
Frequency (MHz)				3475.02	3000.01	3025	(dB)		
50	QPSK	1	1	14.42	14.48	14.50	15.5	0.0	
Channel				631334	633334	635334	limit	MPR	
Frequency (MHz)				3470.01	3000.01	3030.01	(dB)		
40	QPSK	1	1	14.59	14.40	14.42	15.5	0.0	
Channel				631000	633334	635668	turn-up limit	MPR	
Frequency (MHz)				3465	3000.01	3038.02	(dB)		
30	QPSK	1	1	14.45	14.60	14.51	15.5	0.0	
Channel				630834	633334	635834	turn-up limit	MPR	
Frequency (MHz)				3462.51	3000.01	3037.51	(dB)		
25	QPSK	1	1	14.47	14.44	14.44	15.5	0.0	
Channel				630668	633334	636000	turn-up limit	MPR	
Frequency (MHz)				3460.02	3000.01	3040	(dB)		
20	QPSK	1	1	14.53	14.45	14.37	15.5	0.0	
Channel				630500	633334	636168	turn-up limit	MPR	
Frequency (MHz)				3457.5	3000.01	3043.52	(dB)		
15	QPSK	1	1	14.53	14.47	14.47	15.5	0.0	
Channel				630334	633334	636334	turn-up limit	MPR	
Frequency (MHz)				3455.01	3000.01	3045.01	(dB)		
10	QPSK	1	1	14.44	14.58	14.48	15.5	0.0	

Part27Q n78 PC2 Main PA Ant6 DSI0									
BW (MHz)	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		3000.01			
100	PI2 BPSK	1	1		17.49		18.5		
100	PI2 BPSK	1	137		17.61				
100	PI2 BPSK	1	271		17.51				
100	PI2 BPSK	135	0		17.30		18.5	0.0	
100	PI2 BPSK	135	69		17.69		18.5	0.0	
100	PI2 BPSK	135	138		17.72		18.5		
100	PI2 BPSK	270	0		17.49			0.0	
100	QPSK	1	1		17.85				
100	QPSK	1	137		17.63		18.5	0.0	
100	QPSK	1	271		17.67		18.5		
100	QPSK	135	0		17.60			0.0	
100	QPSK	135	69		17.77		18.5	0.0	
100	QPSK	135	138		17.60		18.5	0.0	
100	QPSK	270	0		17.63		18.5		
100	16QAM	1	1		17.40			0.0	
100	64QAM	1	1		17.12			0.0	
100	256QAM	1	1		17.49		18.5	0.0	
Channel				633000	633334	633668	turn-up limit	MPR	
Frequency (MHz)				3495	3000.01	3028.02	(dB)		
90	QPSK	1	1	17.35	17.84	17.70	18.5	0.0	
Channel				632668	633334	634000	turn-up limit	MPR	
Frequency (MHz)				3490.02	3000.01	3010	(dB)		
80	QPSK	1	1	17.42	17.74	17.62	18.5	0.0	
Channel				632334	633334	634334	turn-up limit	MPR	
Frequency (MHz)				3485.01	3000.01	3015.01	(dB)		
70	QPSK	1	1	17.48	17.76	17.79	18.5	0.0	
Channel				632000	633334	634668	turn-up limit	MPR	
Frequency (MHz)				3480	3000.01	3020.02	(dB)		
60	QPSK	1	1	17.37	17.84	17.69	18.5	0.0	
Channel				631668	633334	635000	turn-up limit	MPR	
Frequency (MHz)				3475.02	3000.01	3025	(dB)		
50	QPSK	1	1	17.45	17.75	17.77	18.5	0.0	
Channel				631334	633334	635334	turn-up limit	MPR	
Frequency (MHz)				3470.01	3000.01	3030.01	(dB)		
40	QPSK	1	1	17.50	17.76	17.79	18.5	0.0	
Channel				631000	633334	635668	turn-up limit	MPR	
Frequency (MHz)				3465	3000.01	3038.02	(dB)		
30	QPSK	1	1	17.35	17.77	17.74	18.5	0.0	
Channel				630834	633334	635834	turn-up limit	MPR	
Frequency (MHz)				3462.51	3000.01	3037.51	(dB)		
25	QPSK	1	1	17.53	17.83	17.65	18.5	0.0	
Channel				630668	633334	636000	turn-up limit	MPR	
Frequency (MHz)				3460.02	3000.01	3040	(dB)		
20	QPSK	1	1	17.39	17.83	17.78	18.5	0.0	
Channel				630500	633334	636168	turn-up limit	MPR	
Frequency (MHz)				3457.5	3000.01	3043.52	(dB)		
15	QPSK	1	1	17.54	17.84	17.59	18.5	0.0	
Channel				630334	633334	636334	turn-up limit	MPR	
Frequency (MHz)				3455.01	3000.01	3045.01	(dB)		
10	QPSK	1	1	17.40	17.83	17.67	18.5	0.0	

Part270 n77 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	20.70	20.77	20.73		
100	PI2 BPSK	1	137	20.53	20.67	20.60	22.5	0.0
100	PI2 BPSK	1	271	20.53	20.56	20.51		
100	PI2 BPSK	135	0	20.53	20.60	20.58	22.5	0.0
100	PI2 BPSK	135	69	20.64	20.71	20.59	22.5	0.0
100	PI2 BPSK	135	138	20.55	20.54	20.54		
100	PI2 BPSK	270	0	20.63	20.56	20.56	22.5	0.0
100	QPSK	1	1	20.69	20.81	20.75		
100	QPSK	1	137	20.56	20.66	20.61	22.5	0.0
100	QPSK	1	271	20.56	20.66	20.63		
100	QPSK	135	0	20.53	20.70	20.68	22.5	0.0
100	QPSK	135	69	20.72	20.76	20.69	22.5	0.0
100	QPSK	135	138	20.52	20.65	20.60	22.5	0.0
100	QPSK	270	0	20.61	20.69	20.63	22.5	0.0
100	8QAM	1	1	20.53	20.62	20.66	22.5	0.0
100	8QAM	1	1	20.57	20.66	20.59	22.5	0.0
100	25QAM	1	1	19.16	19.29	19.25	21.0	1.5
Channel								
Frequency (MHz)				649668	650000	652334	tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	20.53	20.76	20.60	22.5	0.0
Channel								
Frequency (MHz)				649334	650000	650668	tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	20.60	20.75	20.64	22.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	20.59	20.67	20.70	22.5	0.0
Channel								
Frequency (MHz)				648668	650000	653334	tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	20.58	20.68	20.70	22.5	0.0
Channel								
Frequency (MHz)				648334	650000	650668	tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	20.66	20.76	20.68	22.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	20.61	20.69	20.64	22.5	0.0
Channel								
Frequency (MHz)				647668	650000	654334	tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	20.54	20.68	20.62	22.5	0.0
Channel								
Frequency (MHz)				647500	650000	654500	tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	20.57	20.67	20.67	22.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	20.62	20.75	20.63	22.5	0.0
Channel								
Frequency (MHz)				647168	650000	654834	tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	20.59	20.70	20.72	22.5	0.0
Channel								
Frequency (MHz)				647000	650000	655000	tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	20.65	20.71	20.69	22.5	0.0

Part270 n77 PC2 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	23.74	23.78	23.69		
100	PI2 BPSK	1	137	23.60	23.73	23.68	25.5	0.0
100	PI2 BPSK	1	271	23.61	23.68	23.55		
100	PI2 BPSK	135	0	23.20	23.32	23.26	25.0	0.5
100	PI2 BPSK	135	69	23.69	23.75	23.61	25.0	0.0
100	PI2 BPSK	135	138	23.20	23.27	23.23		
100	PI2 BPSK	270	0	23.18	23.26	23.22	25.0	0.5
100	QPSK	1	1	23.77	23.82	23.72		
100	QPSK	1	137	23.71	23.75	23.67	25.5	0.0
100	QPSK	1	271	23.56	23.67	23.52		
100	QPSK	135	0	22.84	22.73	22.84	24.5	1.0
100	QPSK	135	69	23.63	23.77	23.68	25.5	0.0
100	QPSK	135	138	22.67	22.70	22.57	24.5	1.0
100	QPSK	270	0	22.62	22.74	22.64	24.5	1.0
100	8QAM	1	1	22.84	22.69	22.59	24.5	1.0
100	8QAM	1	1	21.12	21.17	21.21	23.0	2.5
100	25QAM	1	1	19.26	19.34	19.30	21.0	4.5
Channel								
Frequency (MHz)				649668	650000	652334	tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	23.68	23.67	23.59	25.5	0.0
Channel								
Frequency (MHz)				649334	650000	650668	tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	23.64	23.74	23.67	25.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	23.70	23.70	23.65	25.5	0.0
Channel								
Frequency (MHz)				648668	650000	653334	tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	23.65	23.75	23.60	25.5	0.0
Channel								
Frequency (MHz)				648334	650000	650668	tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	23.71	23.69	23.62	25.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	23.63	23.78	23.65	25.5	0.0
Channel								
Frequency (MHz)				647668	650000	654334	tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	23.67	23.68	23.63	25.5	0.0
Channel								
Frequency (MHz)				647500	650000	654500	tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	23.68	23.70	23.57	25.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	23.70	23.76	23.64	25.5	0.0
Channel								
Frequency (MHz)				647168	650000	654834	tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	23.64	23.71	23.57	25.5	0.0
Channel								
Frequency (MHz)				647000	650000	655000	tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	23.64	23.73	23.61	25.5	0.0

Part27Q n77 Main PA Ant7

BW [MHz]	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	PI2 BPSK	1	1		20.54			
100	PI2 BPSK	1	137		20.87		22.5	0.0
100	PI2 BPSK	1	271		20.79			
100	PI2 BPSK	135	0		20.80		22.5	0.0
100	PI2 BPSK	135	69		20.94		22.5	0.0
100	PI2 BPSK	135	138		20.69			
100	PI2 BPSK	270	0		20.87		22.5	0.0
100	QPSK	1	1		20.98			
100	QPSK	1	137		20.85		22.5	0.0
100	QPSK	1	271		20.80			
100	QPSK	135	0		20.87		22.5	0.0
100	QPSK	135	69		20.93		22.5	0.0
100	QPSK	135	138		20.80		22.5	0.0
100	QPSK	270	0		20.87		22.5	0.0
100	8QAM	1	1		20.57		22.5	0.0
100	8QAM	1	1		20.63		22.5	0.0
100	25QAM	1	1		19.28		21.0	1.5
Channel								
Frequency (MHz)				639000	639334	639668	tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	20.90	20.95	20.85	22.5	0.0
Channel								
Frequency (MHz)				639668	639334	639000	tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	20.84	20.87	20.78	22.5	0.0
Channel								
Frequency (MHz)				639334	639334	639334	tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	20.81	20.88	20.74	22.5	0.0
Channel								
Frequency (MHz)				639000	639334	639668	tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	20.87	20.99	20.86	22.5	0.0
Channel								
Frequency (MHz)				639668	639334	639000	tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	20.83	20.86	20.81	22.5	0.0
Channel								
Frequency (MHz)				639334	639334	639334	tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	20.79	20.87	20.74	22.5	0.0
Channel								
Frequency (MHz)				639000	639334	639668	tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	20.81	20.83	20.77	22.5	0.0
Channel								
Frequency (MHz)				639668	639334	639000	tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	20.80	20.80	20.80	22.5	0.0
Channel								
Frequency (MHz)				639668	639334	639000	tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	20.84	20.84	20.83	22.5	0.0
Channel								
Frequency (MHz)				639000	639334	639668	tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	20.91	20.90	20.83	22.5	0.0
Channel								
Frequency (MHz)				3455.01	3500.91	3545.01	tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	20.90	20.91	20.81	22.5	0.0

Part27Q n77 PC2 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	633334			
Frequency (MHz)				23.80				
100	PI2 BPSK	1	1	23.80			25.5	0.0
100	PI2 BPSK	1	137	23.86				
100	PI2 BPSK	1	271	23.63				
100	PI2 BPSK	135	0	23.32			25.0	0.5
100	PI2 BPSK	135	69	23.73			25.5	0.0
100	PI2 BPSK	135	138	23.24			25.0	0.5
100	PI2 BPSK	270	0	23.32				
100	QPSK	1	1	23.83			25.5	0.0
100	QPSK	1	137	23.73				
100	QPSK	1	271	23.86				
100	QPSK	135	0	22.71			24.5	1.0
100	QPSK	135	69	23.78			25.5	0.0
100	QPSK	135	138	22.74			24.5	1.0
100	QPSK	270	0	22.77				
100	8QAM	1	1	22.57			24.5	1.0
100	8QAM	1	1	21.30			23.0	2.5
100	25QAM	1	1	19.16			21.0	4.5
Channel				633000	633334	633668	time-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.08	23.10	23.74	25.5	0.0
Channel				632668	633334	634000	time-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.65	23.72	23.73	25.5	0.0
Channel				632334	633334	634334	time-up limit (dBm)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.73	23.68	23.71	25.5	0.0
Channel				632000	633334	634668	time-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3510.02		
60	QPSK	1	1	23.76	23.79	23.68	25.5	0.0
Channel				631668	633334	635000	time-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.69	23.74	23.71	25.5	0.0
Channel				631334	633334	635334	time-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.74	23.69	23.66	25.5	0.0
Channel				631000	633334	635668	time-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3510.02		
30	QPSK	1	1	23.57	23.70	23.68	25.5	0.0
Channel				630634	633334	636000	time-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.73	23.68	23.63	25.5	0.0
Channel				630300	633334	636300	time-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.75	23.76	23.63	25.5	0.0
Channel				630000	633334	636668	time-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.69	23.68	23.67	25.5	0.0
Channel				630334	633334	636334	time-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.70	23.77	23.64	25.5	0.0

Part27O n78 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				21.56				
100	PI2 BPSK	1	1	21.56			23.0	0.0
100	PI2 BPSK	1	137	21.93				
100	PI2 BPSK	1	271	21.70				
100	PI2 BPSK	135	0	21.77			23.0	0.0
100	PI2 BPSK	135	69	21.87			23.0	0.0
100	PI2 BPSK	135	138	21.70			23.0	0.0
100	PI2 BPSK	270	0	21.83				
100	QPSK	1	1	21.99			23.0	0.0
100	QPSK	1	137	21.82				
100	QPSK	1	271	21.86				
100	QPSK	135	0	21.83			23.0	0.0
100	QPSK	135	69	21.94			23.0	0.0
100	QPSK	135	138	21.80			23.0	0.0
100	QPSK	270	0	21.85			23.0	0.0
100	8QAM	1	1	21.76			23.0	0.0
100	8QAM	1	1	21.45			23.0	0.0
100	25QAM	1	1	20.47			21.5	1.5
Channel				649668	650000	650334	time-up limit (dBm)	MPR
Frequency (MHz)				3743.02	3750	3763.01		
90	QPSK	1	1	21.08	21.03	21.34	23.0	0.0
Channel				649334	650000	650668	time-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.79	21.89	21.78	23.0	0.0
Channel				649000	650000	651000	time-up limit (dBm)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.90	21.94	21.79	23.0	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3750	3760.03		
60	QPSK	1	1	21.07	21.05	21.77	23.0	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.83	21.87	21.83	23.0	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	21.82	21.91	21.73	23.0	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3750	3763.01		
30	QPSK	1	1	21.02	21.94	21.72	23.0	0.0
Channel				647300	650000	652500	time-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	21.87	21.93	21.84	23.0	0.0
Channel				647000	650000	652800	time-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.81	21.90	21.72	23.0	0.0
Channel				647168	650000	652834	time-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3762.51		
15	QPSK	1	1	21.89	21.94	21.72	23.0	0.0
Channel				647000	650000	653000	time-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	21.83	21.85	21.77	23.0	0.0

Part27O n78 PC2 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				24.86				
100	PI2 BPSK	1	1	24.86			26.0	0.0
100	PI2 BPSK	1	137	24.76				
100	PI2 BPSK	1	271	24.79				
100	PI2 BPSK	135	0	24.40			25.5	0.5
100	PI2 BPSK	135	69	24.76			26.0	0.0
100	PI2 BPSK	135	138	24.29			25.5	0.5
100	PI2 BPSK	270	0	24.39				
100	QPSK	1	1	24.94			26.0	0.0
100	QPSK	1	137	24.85				
100	QPSK	1	271	24.78				
100	QPSK	135	0	23.79			25.0	1.0
100	QPSK	135	69	24.88			26.0	0.0
100	QPSK	135	138	23.77			25.0	1.0
100	QPSK	270	0	23.87			25.0	1.0
100	8QAM	1	1	23.70			23.0	1.0
100	8QAM	1	1	21.99			23.5	2.5
100	25QAM	1	1	20.48			21.5	4.5
Channel				649668	650000	650334	time-up limit (dBm)	MPR
Frequency (MHz)				3743.02	3750	3763.01		
90	QPSK	1	1	24.76	24.83	24.71	23.0	0.0
Channel				649334	650000	650668	time-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	24.86	24.82	24.69	26.0	0.0
Channel				649000	650000	651000	time-up limit (dBm)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	24.87	24.90	24.71	26.0	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3750	3760.03		
60	QPSK	1	1	24.82	24.81	24.77	23.0	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	24.77	24.88	24.70	26.0	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	24.80	24.90	24.68	26.0	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3750	3763.01		
30	QPSK	1	1	24.84	24.89	24.67	23.0	0.0
Channel				647300	650000	652500	time-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	24.83	24.82	24.74	26.0	0.0
Channel				647334	650000	652668	time-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3760.02		
20	QPSK	1	1	24.88	24.82	24.71	23.0	0.0
Channel				647668	650000	652634	time-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3762.51		
15	QPSK	1	1	24.87	24.89	24.71	23.0	0.0
Channel				647600	650000	652600	time-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3765		
10	QPSK	1	1	24.87	24.83	24.68	23.0	0.0

Part27Q n78 Main PA Ant7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)				3000.01					
100	PI2 BPSK	1	1	22.12					
100	PI2 BPSK	1	137	22.15			23.0	0.0	
100	PI2 BPSK	1	271	21.97					
100	PI2 BPSK	135	0	22.03			23.0	0.0	
100	PI2 BPSK	135	69	22.14			23.0	0.0	
100	PI2 BPSK	135	138	21.89			23.0	0.0	
100	PI2 BPSK	270	0	22.04			23.0	0.0	
100	QPSK	1	1	22.17					
100	QPSK	1	137	22.06			23.0	0.0	
100	QPSK	1	271	22.16					
100	QPSK	135	0	22.02			23.0	0.0	
100	QPSK	135	69	22.13			23.0	0.0	
100	QPSK	135	138	22.01			23.0	0.0	
100	QPSK	270	0	22.04			23.0	0.0	
100	16QAM	1	1	21.97			23.0	0.0	
100	64QAM	1	1	21.63			23.0	0.0	
100	256QAM	1	1	20.81			21.5	1.5	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR	
Frequency (MHz)				3455	3000.01	3525.02	(dBm)		
90	QPSK	1	1	21.97	22.13	22.04	23.0	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3000.01	3510	(dBm)		
80	QPSK	1	1	22.01	22.05	22.01	23.0	0.0	
Channel				632334	633334	634334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3000.01	3515.01	(dBm)		
70	QPSK	1	1	21.95	22.04	22.01	23.0	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR	
Frequency (MHz)				3450	3000.01	3520.02	(dBm)		
60	QPSK	1	1	21.95	22.03	22.05	23.0	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3000.01	3525	(dBm)		
50	QPSK	1	1	22.00	22.09	21.99	23.0	0.0	
Channel				631334	633334	635334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3000.01	3530.01	(dBm)		
40	QPSK	1	1	22.04	22.05	22.02	23.0	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR	
Frequency (MHz)				3455	3000.01	3525.02	(dBm)		
30	QPSK	1	1	21.95	22.07	21.99	23.0	0.0	
Channel				630834	633334	635834	tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3000.01	3537.51	(dBm)		
25	QPSK	1	1	22.05	22.08	22.03	23.0	0.0	
Channel				630500	633334	636000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3000.01	3540	(dBm)		
20	QPSK	1	1	21.97	22.13	22.00	23.0	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR	
Frequency (MHz)				3492.5	3000.01	3542.52	(dBm)		
15	QPSK	1	1	21.95	22.10	22.09	23.0	0.0	
Channel				630334	633334	636334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3000.01	3545.01	(dBm)		
10	QPSK	1	1	22.02	22.12	22.03	23.0	0.0	

Part27Q n78 PC2 Main PA Ant7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)				3000.01					
100	PI2 BPSK	1	1	24.73					
100	PI2 BPSK	1	137	24.70			26.0	0.0	
100	PI2 BPSK	1	271	24.63					
100	PI2 BPSK	135	0	24.29			25.5	0.5	
100	PI2 BPSK	135	69	24.67			26.0	0.0	
100	PI2 BPSK	135	138	24.27			25.5	0.5	
100	PI2 BPSK	270	0	24.27					
100	QPSK	1	1	24.79					
100	QPSK	1	137	24.72			26.0	0.0	
100	QPSK	1	271	24.65					
100	QPSK	135	0	23.72			25.0	1.0	
100	QPSK	135	69	24.71			26.0	0.0	
100	QPSK	135	138	23.76			25.0	1.0	
100	QPSK	270	0	23.76			25.0	1.0	
100	16QAM	1	1	23.72			25.0	1.0	
100	64QAM	1	1	22.26			23.5	2.5	
100	256QAM	1	1	20.81			21.5	4.5	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR	
Frequency (MHz)				3455	3000.01	3525.02	(dBm)		
90	QPSK	1	1	24.62	24.70	24.57	26.0	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3000.01	3510	(dBm)		
80	QPSK	1	1	24.61	24.68	24.54	26.0	0.0	
Channel				632334	633334	634334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3000.01	3515.01	(dBm)		
70	QPSK	1	1	24.65	24.70	24.63	26.0	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR	
Frequency (MHz)				3450	3000.01	3520.02	(dBm)		
60	QPSK	1	1	24.67	24.65	24.61	26.0	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3000.01	3525	(dBm)		
50	QPSK	1	1	24.61	24.74	24.54	26.0	0.0	
Channel				631334	633334	635334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3000.01	3530.01	(dBm)		
40	QPSK	1	1	24.67	24.67	24.55	26.0	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR	
Frequency (MHz)				3455	3000.01	3525.02	(dBm)		
30	QPSK	1	1	24.65	24.73	24.57	26.0	0.0	
Channel				630834	633334	635834	tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3000.01	3537.51	(dBm)		
25	QPSK	1	1	24.68	24.65	24.63	26.0	0.0	
Channel				630500	633334	636000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3000.01	3540	(dBm)		
20	QPSK	1	1	24.67	24.68	24.59	26.0	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR	
Frequency (MHz)				3492.5	3000.01	3542.52	(dBm)		
15	QPSK	1	1	24.65	24.71	24.57	26.0	0.0	
Channel				630334	633334	636334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3000.01	3545.01	(dBm)		
10	QPSK	1	1	24.57	24.64	24.54	26.0	0.0	



DSI 0 Power for FR1 EN-DC Main PA

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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				166300	167300	167900	21.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	19.56	19.65	19.56		
20	PI2 BPSK	1	53	19.54	19.66	19.57		
20	PI2 BPSK	1	104	19.55	19.55	19.60	21.5	0.0
20	PI2 BPSK	50	0	19.58	19.57	19.56		
20	PI2 BPSK	50	28	19.65	19.68	19.63		
20	PI2 BPSK	50	56	19.59	19.57	19.54		
20	PI2 BPSK	100	0	19.59	19.60	19.54	21.5	0.0
20	QPSK	1	1	19.69	19.73	19.70		
20	QPSK	1	53	19.60	19.56	19.68		
20	QPSK	1	104	19.59	19.54	19.52		
20	QPSK	50	0	19.51	19.59	19.59	21.5	0.0
20	QPSK	50	28	19.64	19.68	19.62		
20	QPSK	50	56	19.52	19.58	19.52		
20	QPSK	100	0	19.58	19.66	19.63		
20	16QAM	1	1	19.62	19.58	19.54	21.5	0.0
20	64QAM	1	1	19.63	19.70	19.62		
20	256QAM	1	1	19.33	19.28	19.22		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	21.5	0.0
16	QPSK	1	1	19.58	19.70	19.55	21.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	21.5	0.0
10	QPSK	1	1	19.64	19.56	19.67	21.5	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	21.5	0.0
5	QPSK	1	1	19.53	19.60	19.52	21.5	0.0

n7 Main PA Ant1 DSI0 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				505000	507000	509000	16.5	0.0		
Frequency (MHz)				2525	2535	2545				
50	PI2 BPSK	1	1	15.76	15.88	15.84				
50	PI2 BPSK	1	135	15.78	15.80	15.73				
50	PI2 BPSK	1	269	15.64	15.90	15.59	16.5	0.0		
50	PI2 BPSK	135	0	15.82	15.90	15.92				
50	PI2 BPSK	135	68	15.71	15.97	15.80				
50	PI2 BPSK	135	135	15.88	16.02	15.95				
50	PI2 BPSK	270	0	15.88	16.01	16.00	16.5	0.0		
50	QPSK	1	1	15.81	16.03	15.95				
50	QPSK	1	135	15.58	15.85	15.70				
50	QPSK	1	269	15.55	15.76	15.73				
50	QPSK	135	0	15.86	15.81	15.70	16.5	0.0		
50	QPSK	135	68	15.93	15.98	15.89				
50	QPSK	135	135	15.76	15.85	15.90				
50	QPSK	270	0	15.76	15.96	15.87				
50	16QAM	1	1	15.60	15.63	15.61	16.5	0.0		
50	64QAM	1	1	15.53	15.65	15.48				
50	256QAM	1	1	15.73	15.78	15.80				
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2520	2535	2550	16.5	0.0		
40	QPSK	1	1	15.72	15.83	15.95	16.5	0.0		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2515	2535	2555	16.5	0.0		
30	QPSK	1	1	15.81	16.02	15.79	16.5	0.0		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2512.5	2535	2557.5	16.5	0.0		
25	QPSK	1	1	15.69	15.99	15.90	16.5	0.0		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2510	2535	2560	16.5	0.0		
20	PI2 BPSK	1	1	15.63	15.99	15.82	16.5	0.0		
Channel				501500	507000	512500			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5			16.5	0.0
15	QPSK	1	1	15.74	15.94	15.92			16.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565	16.5	0.0		
10	QPSK	1	1	15.73	15.82	15.92	16.5	0.0		
Channel				500500	507000	513500			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5			16.5	0.0
5	QPSK	1	1	15.75	15.98	15.74			16.5	0.0

n66 Main PA Ant1 DSI0 ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
	PI2 BPSK	1		13.14	13.29	13.37	15.0	0.0
45	PI2 BPSK	1	120	13.15	13.48	13.32		
45	PI2 BPSK	1	243	13.15	13.13	13.35		
45	PI2 BPSK	120	0	13.23	13.52	13.36		
45	PI2 BPSK	120	60	13.36	13.45	13.29	15.0	0.0
45	PI2 BPSK	120	120	13.49	13.55	13.47	15.0	0.0
45	PI2 BPSK	240	0	13.44	13.26	13.35	15.0	0.0
45	QPSK	1	1	13.56	13.59	13.42	15.0	0.0
45	QPSK	1	120	12.96	13.29	13.11		
45	QPSK	1	243	13.25	13.16	13.26		
45	QPSK	120	0	13.20	13.15	13.30		
45	QPSK	120	60	13.33	13.55	13.46	15.0	0.0
45	QPSK	120	120	13.14	13.41	13.40	15.0	0.0
45	QPSK	240	0	13.25	13.39	13.15	15.0	0.0
45	16QAM	1	1	13.21	13.27	13.23	15.0	0.0
45	64QAM	1	1	13.37	13.41	13.41		
45	256QAM	1	1	13.31	13.23	13.31		
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.32	13.48	13.29	17.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	13.39	13.56	13.37	15.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.36	13.56	13.35	15.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	13.38	13.56	13.27	15.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.41	13.56	13.36	15.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	13.55	13.49	13.36	15.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.53	13.40	13.33	15.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	13.51	13.57	13.37	15.0	0.0

n38 Main PA Ant1 DS10 ENDC								
RF Mhz	Modulation	FE Rate	RF Offset	Power RF @ 100m	Power RF @ 100m	Power RF @ 100m	Turn-on time (ms)	MPR (dB)
Channel								
Frequency (MHz)				18004	18004	18004		
40	P2-OFDM	5	1	18.78	15.92	15.74		
40	QPSK	1	104	15.78	15.92	15.92	16.5	0.0
40	P2-OFDM	50	0	15.98	15.94	15.65		
40	QPSK	1	104	15.82	15.94	15.63	16.5	0.0
40	P2-OFDM	50	0	15.98	15.79	15.62		
40	QPSK	1	104	15.79	15.63	15.72	16.5	0.0
40	QPSK	1	104	15.78	15.63	15.63	16.5	0.0
40	QPSK	1	104	15.85	15.67	15.66	16.5	0.0
40	QPSK	50	0	15.64	15.65	15.65	16.5	0.0
40	QPSK	50	0	15.67	15.67	15.86	16.5	0.0
40	QPSK	50	0	15.85	15.67	15.83	16.5	0.0
40	QPSK	50	0	15.85	15.81	15.62	16.5	0.0
40	16QAM	1	1	15.74	15.65	15.81	16.5	0.0
40	16QAM	1	1	15.73	15.86	15.75	16.5	0.0
40	256QAM	1	1	15.79	15.67	15.67	16.5	0.0
Channel								
Frequency (MHz)				21702	21698	21698		
40	QPSK	1	104	21.67	21.75	21.64	16.5	0.0
Channel								
Frequency (MHz)				21702	21698	21698		
40	QPSK	1	104	21.68	21.61	21.62	16.5	0.0
Channel								
Frequency (MHz)				21600	21600	21600		
40	QPSK	1	104	21.67	21.65	21.63	16.5	0.0
40	QPSK	1	104	21.71	15.90	15.90	16.5	0.0
Channel								
Frequency (MHz)				21602	21598	21598		
15	QPSK	1	104	21.71	21.65	21.64	16.5	0.0
Channel								
Frequency (MHz)				21602	21598	21598		
15	QPSK	1	104	21.67	21.65	21.64	16.5	0.0
Channel								
Frequency (MHz)				21602	21598	21598		
10	QPSK	1	104	21.67	15.96	15.94	16.5	0.0

n41 Main PA Ant1 DS10 ENDC									
BN (MHz)	Modulation	RF Bw	RF Chel	Power RF (dBm)	Power PA (dBm)	Power PA (dBm)	Power PA (dBm)	Transmit time (ms)	MPR (dB)
Channel				2540.00	5180.00	5180.00	5180.00		
100	PID BPSK	1	1	14.82	14.93	14.84	14.80	0.0	0.0
100	PID BPSK	1	137	14.69	14.91	14.79	14.76	0.0	0.0
100	PID BPSK	1	271	14.69	14.91	14.79	14.76	0.0	0.0
100	PID BPSK	135	0	14.85	14.83	14.76	14.80	0.0	0.0
100	PID BPSK	135	69	14.85	14.83	14.76	14.80	0.0	0.0
100	PID BPSK	135	138	14.91	15.00	14.88	14.80	0.0	0.0
100	PID BPSK	270	0	14.85	14.90	14.97	14.80	0.0	0.0
100	QPSK	1	137	14.80	15.01	14.89	14.80	0.0	0.0
100	QPSK	1	271	14.77	14.76	14.77	14.80	0.0	0.0
100	QPSK	135	0	14.82	14.78	14.72	14.80	0.0	0.0
100	QPSK	135	69	14.78	14.57	14.67	14.80	0.0	0.0
100	QPSK	135	138	14.86	14.86	14.83	14.80	0.0	0.0
100	QPSK	270	0	14.93	14.98	14.98	14.80	0.0	0.0
100	16QAM	1	1	14.74	15.01	14.88	14.80	0.0	0.0
100	16QAM	1	1	14.83	14.77	14.68	14.80	0.0	0.0
100	256QAM	1	1	14.85	14.78	15.01	15.01	0.0	0.0
Channel				5030.00	5030.00	5030.00	Transmit time (ms)	MPR	
Frequency (MHz)				2541	2592.9	2544.9	0.0	0.0	
Channel				54.93	15.04	14.93	Transmit time (ms)	MPR	
Frequency (MHz)				5720.04	5030.00	5030.00	Transmit time (ms)	MPR	
Channel				2542.02	2592.9	2549.9	0.0	0.0	
80	QPSK	1	1	14.90	14.93	14.93	14.90	0.0	0.0
Channel				5030.00	5030.00	5010.00	Transmit time (ms)	MPR	
Frequency (MHz)				2531.91	2592.9	2549.9	0.0	0.0	
70	QPSK	1	1	14.79	15.02	14.79	14.90	0.0	0.0
Channel				5030.00	5030.00	5019.00	Transmit time (ms)	MPR	
Frequency (MHz)				2530	2592.9	2549.9	0.0	0.0	
60	QPSK	1	1	14.79	15.02	14.79	14.90	0.0	0.0
Channel				5942.04	5030.00	5030.00	Transmit time (ms)	MPR	
Frequency (MHz)				2532.02	2592.9	2549.9	0.0	0.0	
50	QPSK	1	1	14.95	14.93	14.93	14.90	0.0	0.0
Channel				5030.00	5030.00	5040.00	Transmit time (ms)	MPR	
Frequency (MHz)				2541.01	2592.9	2549.9	0.0	0.0	
40	QPSK	1	1	14.79	15.02	14.87	14.90	0.0	0.0
Channel				5030.00	5030.00	5040.00	Transmit time (ms)	MPR	
Frequency (MHz)				2531	2592.9	2539.9	0.0	0.0	
30	QPSK	1	1	14.95	15.04	14.94	14.90	0.0	0.0
Channel				5612.04	5030.00	5030.00	Transmit time (ms)	MPR	
Frequency (MHz)				2542.02	2592.9	2539.9	0.0	0.0	
20	QPSK	1	1	14.87	14.93	14.80	14.90	0.0	0.0
Channel				6067.00	5030.00	5040.00	Transmit time (ms)	MPR	
Frequency (MHz)				2533	2592.9	2539.9	0.0	0.0	
15	QPSK	1	1	14.95	14.93	14.93	14.90	0.0	0.0
Channel				5030.00	5030.00	5030.00	Transmit time (ms)	MPR	
Frequency (MHz)				2542.02	2592.9	2539.9	0.0	0.0	
10	QPSK	1	1	14.88	15.04	14.79	14.90	0.0	0.0

[illegible]

Part270 n78 PC2 Main PA Ant1 DS10 ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Fmax	Power Main Ch. / Fmax	Power High Ch. / Fmax	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1		17.41		18.5	0.0
100	P12 BPSK	1	137		17.31			
100	P12 BPSK	1	271		17.30			
100	P12 BPSK	135	0		17.42		18.5	0.0
100	P12 BPSK	135	88		17.18		18.5	0.0
100	P12 BPSK	135	138		17.20		18.5	0.0
100	P12 BPSK	270	0		17.31		18.5	0.0
100	QPSK	1	1		17.43			
100	QPSK	1	137		17.20			
100	QPSK	1	271		17.18		18.5	0.0
100	QPSK	135	0		17.34		18.5	0.0
100	QPSK	135	88		17.2		18.5	0.0
100	QPSK	135	138		17.22		18.5	0.0
100	QPSK	270	0		17.26		18.5	0.0
100	16QAM	1	1		17.24		18.5	0.0
100	64QAM	1	1		16.83		18.5	0.0
100	256QAM	1	1		17.89		18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	64868	65000	65034	Tune-up limit	MPR

Part27Q n78 Main PA Ant1 DS10 ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Fmax	Power Main Ch. / Fmax	Power High Ch. / Fmax	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1		14.80		15.5	0.0
100	P12 BPSK	1	137		14.81			
100	P12 BPSK	1	271		14.41			
100	P12 BPSK	135	0		14.31		15.5	0.0
100	P12 BPSK	135	88		14.61		15.5	0.0
100	P12 BPSK	135	138		14.50		15.5	0.0
100	P12 BPSK	270	0		14.71		15.5	0.0
100	QPSK	1	1		14.86		15.5	0.0
100	QPSK	1	137		14.72			
100	QPSK	1	271		14.76			
100	QPSK	135	0		14.77		15.5	0.0
100	QPSK	135	88		14.92		15.5	0.0
100	QPSK	135	138		14.84		15.5	0.0
100	QPSK	270	0		14.54		15.5	0.0
100	16QAM	1	1		14.54		15.5	0.0
100	64QAM	1	1		14.27		15.5	0.0
100	256QAM	1	1		14.49		15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR

Part27Q n78 PC2 Main PA Ant1 DS10 ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Fmax	Power Main Ch. / Fmax	Power High Ch. / Fmax	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1		17.54		18.5	0.0
100	P12 BPSK	1	137		17.34			
100	P12 BPSK	1	271		17.29			
100	P12 BPSK	135	0		17.65		18.5	0.0
100	P12 BPSK	135	88		17.24		18.5	0.0
100	P12 BPSK	135	138		17.21		18.5	0.0
100	P12 BPSK	270	0		17.61		18.5	0.0
100	QPSK	1	1		17.71		18.5	0.0
100	QPSK	1	137		17.47			
100	QPSK	1	271		17.39			
100	QPSK	135	0		17.49		18.5	0.0
100	QPSK	135	88		17.61		18.5	0.0
100	QPSK	135	138		17.58		18.5	0.0
100	QPSK	270	0		17.54		18.5	0.0
100	16QAM	1	1		17.40		18.5	0.0
100	64QAM	1	1		17.08		18.5	0.0
100	256QAM	1	1		17.52		18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	63900	63934	63968	Tune-up limit	MPR

n7 Main PA Ant3 DSIO ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Middle P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)		
Channel				500000	500000	500000				
Frequency (MHz)				2505	2535	2545				
50	PIQ BPSK	1	1	18.87	18.73	18.44		18.0	0.0	
50	PIQ BPSK	1	135	18.38	18.54	18.58				
50	PIQ BPSK	1	268	18.33	18.34	18.34				
50	PIQ BPSK	135	0	18.53	18.67	18.59	18.0	0.0		
50	PIQ BPSK	135	68	18.49	18.52	18.58	18.0	0.0		
50	PIQ BPSK	135	135	18.60	18.57	18.50	18.0	0.0		
50	PIQ BPSK	270	0	18.55	18.67	18.56				
50	QPSK	1	1	18.80	18.74	18.57				
50	QPSK	1	135	18.44	18.61	18.52	18.0	0.0		
50	QPSK	1	268	18.41	18.57	18.57				
50	QPSK	135	0	18.57	18.64	18.55	18.0	0.0		
50	QPSK	135	68	18.60	18.59	18.57	18.0	0.0		
50	QPSK	135	135	18.57	18.64	18.58	18.0	0.0		
50	QPSK	270	0	18.58	18.50	18.59				
50	16QAM	1	1	18.48	18.58	18.42	18.0	0.0		
50	64QAM	1	1	18.47	18.44	18.08	18.0	0.0		
50	256QAM	1	1	18.61	18.67	18.60	18.0	0.0		
Channel				500000	500000	500000				
Frequency (MHz)				2520	2535	2550				
40	QPSK	1	1	18.51	18.71	18.40	18.0	0.0		
Channel				500000	500000	500000				
Frequency (MHz)				2515	2535	2555				
30	QPSK	1	1	18.60	18.38	18.48	18.0	0.0		
Channel				500000	500000	500000				
Frequency (MHz)				2512.5	2535	2557.5				
25	QPSK	1	1	18.55	18.57	18.43	18.0	0.0		
Channel				500000	500000	500000				
Frequency (MHz)				2510	2535	2560				
20	PIQ BPSK	1	1	18.47	18.66	18.43	18.0	0.0		
Channel				500000	500000	500000				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	1	18.62	18.61	18.50	18.0	0.0		
Channel				500000	500000	500000				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	1	18.58	18.73	18.52	18.0	0.0		
Channel				500000	500000	500000				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	1	18.45	18.68	18.45	18.0	0.0		

n66 Main PA Ant3 DSIO ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Middle P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)		
Channel				345000	345000	345000				
Frequency (MHz)				1732.5	1745	1757.5				
45	PIQ BPSK	1	1	18.26	18.27	18.14		18.0	0.0	
45	PIQ BPSK	1	100	18.15	18.19	18.20				
45	PIQ BPSK	1	243	18.14	18.17	18.16				
45	PIQ BPSK	120	0	18.19	18.23	18.01	18.0			
45	PIQ BPSK	120	60	18.08	18.13	18.19	18.0			
45	PIQ BPSK	120	120	18.05	18.11	18.21	18.0			
45	PIQ BPSK	240	0	18.19	18.20	18.07				
45	QPSK	1	1	18.38	18.30	18.32				
45	QPSK	1	120	18.01	18.17	18.13	18.0			
45	QPSK	1	243	18.15	18.11	18.27				
45	QPSK	120	0	18.11	18.22	18.15	18.0			
45	QPSK	120	60	18.18	18.34	18.24	18.0			
45	QPSK	120	120	18.19	18.18	18.19	18.0			
45	QPSK	240	0	18.22	18.20	18.20				
45	16QAM	1	1	18.08	18.33	18.03	18.0			
45	64QAM	1	1	18.02	18.08	18.02	18.0			
45	256QAM	1	1	18.19	18.23	18.14	18.0			
Channel				345000	345000	345000				
Frequency (MHz)				1730	1745	1760				
40	QPSK	1	1	18.04	18.93	18.94	20.5	0.0		
Channel				345000	345000	345000				
Frequency (MHz)				1727.5	1745	1762.5				
35	QPSK	1	1	18.01	18.03	18.04	18.0	0.0		
Channel				345000	345000	345000				
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	18.06	18.15	18.02	18.0	0.0		
Channel				345000	345000	345000				
Frequency (MHz)				1722.5	1745	1767.5				
25	QPSK	1	1	18.17	18.05	18.03	18.0	0.0		
Channel				345000	345000	345000				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	1	18.10	18.04	18.15	18.0	0.0		
Channel				345000	345000	345000				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	18.09	18.04	18.14	18.0	0.0		
Channel				345000	345000	345000				
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	18.06	18.04	18.05	18.0	0.0		
Channel				345000	345000	345000				
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	18.08	18.09	18.18	18.0	0.0		

n38 Main PA Ant3 DS10 ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Mid P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)		
Channel				516004	516000	516006				
Frequency (MHz)				2550.02	2550	2550.98				
40	PIQ BPSK	1	1	17.03	17.19	16.97	18.5	0.0		
40	PIQ BPSK	1	51	16.93	17.00	16.83				
40	PIQ BPSK	1	104	16.93	16.98	16.82	18.5	0.0		
40	PIQ BPSK	50	0	17.14	17.28	17.00				
40	PIQ BPSK	50	25	17.03	17.03	17.18	18.5	0.0		
40	PIQ BPSK	50	56	17.06	17.18	17.02				
40	PIQ BPSK	100	0	17.21	17.23	17.13	18.5	0.0		
40	QPSK	1	1	16.99	17.26	17.21				
40	QPSK	1	53	17.05	17.23	17.05	18.5	0.0		
40	QPSK	1	104	17.01	17.26	17.18				
40	QPSK	50	0	16.97	17.10	17.20	18.5	0.0		
40	QPSK	50	26	17.22	17.25	17.19				
40	QPSK	50	56	17.01	17.00	17.07	18.5	0.0		
40	QPSK	100	0	17.16	17.20	17.10				
40	16QAM	1	1	17.08	17.18	17.05	18.5	0.0		
40	64QAM	1	1	16.97	17.16	17.16				
40	256QAM	1	1	17.06	17.18	17.11	18.5	0.0		
Channel				517002	517000	517006				
Frequency (MHz)				2585.01	2585	2584.99				
30	QPSK	1	1	16.82	17.24	16.99	18.5	0.0		
Channel				518004	518000	518006				
Frequency (MHz)				2582.52	2585	2607.48				
25	QPSK	1	1	16.88	17.34	16.97	18.5	0.0		
Channel				519000	519000	520000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2660	2595	2619				
20	QPSK	1	1	16.98	17.27	16.98	18.5	0.0		
Channel				519000	520000	521000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.51	2595	2612.49				
15	QPSK	1	1	16.89	17.13	17.00	18.5	0.0		
Channel				519004	519000	520004	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575.02	2595	2614.98				
10	QPSK	1	1	16.82	17.15	17.16	18.5	0.0		

n41 Main PA Ant3 DS10 ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Mid P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)		
Channel				500200	516006	500206				
Frequency (MHz)				2544.01	2592.99	2544				
100	PIQ BPSK	1	1	15.07	15.22	15.02	17.0	0.0		
100	PIQ BPSK	1	137	15.08	15.00	15.07				
100	PIQ BPSK	1	271	15.06	15.14	15.04	17.0	0.0		
100	PIQ BPSK	135	0	15.06	15.34	15.09				
100	PIQ BPSK	135	69	15.04	15.10	15.03	17.0	0.0		
100	PIQ BPSK	135	138	15.06	15.23	15.15				
100	PIQ BPSK	270	0	15.18	15.16	15.17	17.0	0.0		
100	QPSK	1	1	15.09	15.32	15.22				
100	QPSK	1	137	15.09	15.11	15.07	17.0	0.0		
100	QPSK	1	271	15.14	15.20	15.08				
100	QPSK	135	0	15.08	15.26	15.04	17.0	0.0		
100	QPSK	135	69	15.20	15.30	15.13				
100	QPSK	135	138	15.03	15.14	15.09	17.0	0.0		
100	QPSK	270	0	15.11	15.21	15.04				
100	16QAM	1	1	15.05	15.20	15.14	17.0	0.0		
100	64QAM	1	1	15.07	15.12	15.11				
100	256QAM	1	1	15.23	15.31	15.25	17.0	0.0		
Channel				500200	516006	500206	Tune-up limit (dBm)	15.75 (dB)		
Frequency (MHz)				2541	2592.99	2544.93				
90	QPSK	1	1	15.09	15.35	15.12	17.0	0.0		
Channel				502204	516006	502206	Tune-up limit (dBm)	15.75 (dB)		
Frequency (MHz)				2538.02	2592.99	2540.99				
80	QPSK	1	1	15.06	15.24	15.05	17.0	0.0		
Channel				502202	516006	501000	Tune-up limit (dBm)	15.75 (dB)		
Frequency (MHz)				2531.01	2592.99	2535				
70	QPSK	1	1	14.87	15.31	15.12	17.0	0.0		
Channel				502204	516006	511998	Tune-up limit (dBm)	15.75 (dB)		
Frequency (MHz)				2526	2592.99	2529.98				
60	QPSK	1	1	15.09	15.31	15.18	17.0	0.0		
Channel				504204	516006	503208	Tune-up limit (dBm)	15.75 (dB)		
Frequency (MHz)				2512.02	2592.99	2564.99				
50	QPSK	1	1	15.05	15.30	15.19	17.0	0.0		
Channel				504200	516006	504000	Tune-up limit (dBm)	15.75 (dB)		
Frequency (MHz)				2514.01	2592.99	2519				
40	QPSK	1	1	15.14	15.27	15.01	17.0	0.0		
Channel				502200	516006	504998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2515.98				
30	QPSK	1	1	15.11	15.10	15.09	17.0	0.0		
Channel				501204	516006	505998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2519.99				
20	QPSK	1	1	15.13	15.31	15.11	17.0	0.0		
Channel				501700	516006	506498	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.5	2592.99	2505.45				
15	QPSK	1	1	15.04	15.31	15.02	17.0	0.0		
Channel				500200	516006	503998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2505				
10	QPSK	1	1	15.16	15.27	15.12	17.0	0.0		

n7 Main PA Ant4 DSI0 ENDC								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch, f, Power}	Power Main P _{ch, f, Power}	Power High P _{ch, f, Power}	Turn-up time (ms)	MPR (dB)
Channel Frequency (MHz)				500000 2525	507000 2535	500000 2545	17.5	0.0
50	PUSBPSK	1	1	16.43	16.56	16.47		
50	PUSBPSK	1	135	16.44	16.58	16.27		
50	PUSBPSK	1	265	16.43	16.49	16.38	17.5	0.0
50	PUSBPSK	135	0	16.57	16.56	16.49		
50	PUSBPSK	135	66	16.56	16.59	16.43		
50	PUSBPSK	135	135	16.64	16.54	16.50	17.5	0.0
50	PUSBPSK	270	0	16.62	16.61	16.63		
50	QPSK	1	1	16.60	16.74	16.67		
50	QPSK	1	135	16.51	16.69	16.40	17.5	0.0
50	QPSK	1	266	16.55	16.63	16.71		
50	QPSK	135	0	16.39	16.53	16.59		
50	QPSK	135	66	16.59	16.57	16.43	17.5	0.0
50	QPSK	135	135	16.39	16.47	16.52		
50	QPSK	270	0	16.46	16.61	16.46		
50	16QAM	1	1	16.60	16.55	16.57	17.5	0.0
50	16QAM	1	1	16.54	16.58	16.50		
50	256QAM	1	1	16.58	16.73	16.66		
Channel Frequency (MHz)				200000 2520	207000 2535	200000 2550	17.5	0.0
40	QPSK	1	1	16.59	16.67	16.55		
40	QPSK	1	1	203000 2515	207000 2535	207000 2555		
Channel Frequency (MHz)				200000 2515	207000 2535	200000 2555	17.5	0.0
30	QPSK	1	1	16.57	16.57	16.71		
Channel Frequency (MHz)				202000 2512.5	207000 2535	207000 2557.5	17.5	0.0
25	QPSK	1	1	16.49	16.63	16.67		
Channel Frequency (MHz)				202000 2510	207000 2535	207000 2560	17.5	0.0
20	QPSK	1	1	16.61	16.66	16.68		
Channel Frequency (MHz)				201000 2507.5	207000 2535	207000 2562.5	17.5	0.0
15	QPSK	1	1	16.40	16.59	16.66		
Channel Frequency (MHz)				201000 2505	207000 2535	207000 2565	17.5	0.0
10	QPSK	1	1	16.46	16.70	16.62		
Channel Frequency (MHz)				202000 2502.5	207000 2535	207000 2567.5	17.5	0.0
5	QPSK	1	1	16.46	16.65	16.66		

n38 Main PA Ant4 DSIO ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Mid P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516006			
Frequency (MHz)				2550.02	2550	2550.98			
40	PIQ BPSK	1	1	17.23	17.30	17.33		17.7	0.0
40	PIQ BPSK	1	51	17.14	17.15	17.16		17.7	0.0
40	PIQ BPSK	1	104	17.15	17.28	17.18		17.7	0.0
40	PIQ BPSK	50	0	17.28	17.29	17.16	17.7	0.0	
40	PIQ BPSK	50	25	16.98	17.29	17.10	17.7	0.0	
40	PIQ BPSK	50	56	17.14	17.24	17.12	17.7	0.0	
40	PIQ BPSK	100	0	17.21	17.36	17.25	17.7	0.0	
40	QPSK	1	1	17.25	17.43	17.29		17.7	0.0
40	QPSK	1	53	17.27	17.28	17.08		17.7	0.0
40	QPSK	1	104	17.13	17.33	17.14		17.7	0.0
40	QPSK	50	0	17.24	17.36	17.20	17.7	0.0	
40	QPSK	50	25	17.33	17.30	17.23	17.7	0.0	
40	QPSK	50	56	17.21	17.29	17.11	17.7	0.0	
40	QPSK	100	0	17.24	17.36	17.12	17.7	0.0	
40	16QAM	1	1	17.20	17.02	17.20	17.7	0.0	
40	64QAM	1	1	17.03	17.37	17.14	17.7	0.0	
40	256QAM	1	1	17.37	17.21	17.18	17.7	0.0	
Channel				516002	516003	516005			
Frequency (MHz)				2555.01	2555	2554.99			
30	QPSK	1	1	17.39	17.22	17.04	17.7	0.0	
Channel				516004	516003	516005			
Frequency (MHz)				2562.52	2565	2567.48			
25	QPSK	1	1	17.25	17.18	17.19	17.7	0.0	
Channel				516003	516000	516002			
Frequency (MHz)				2560	2555	2559			
20	QPSK	1	1	17.31	17.29	17.24	17.7	0.0	
Channel				516002	516000	516004			
Frequency (MHz)				2577.51	2565	2512.49			
15	QPSK	1	1	17.42	17.13	17.21	17.7	0.0	
Channel				516004	516000	516006			
Frequency (MHz)				2575.02	2565	2514.98			
10	QPSK	1	1	17.34	17.20	17.12	17.7	0.0	

n41 Main PA Ant4 DSIO ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Mid P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	516006	506000			
Frequency (MHz)				2544.01	2552.99	2540			
100	PIQ BPSK	1	1	16.29	16.25	16.24		16.7	0.0
100	PIQ BPSK	1	137	16.14	16.12	16.17		16.7	0.0
100	PIQ BPSK	1	271	16.15	16.16	16.05		16.7	0.0
100	PIQ BPSK	135	0	16.27	16.31	16.16	16.7	0.0	
100	PIQ BPSK	135	69	16.03	16.31	16.12	16.7	0.0	
100	PIQ BPSK	135	138	16.12	16.08	16.01	16.7	0.0	
100	PIQ BPSK	270	0	16.16	16.29	16.21	16.7	0.0	
100	QPSK	1	1	16.27	16.34	16.20		16.7	0.0
100	QPSK	1	137	16.23	16.24	16.12	16.7	0.0	
100	QPSK	1	271	16.08	16.29	16.02		16.7	0.0
100	QPSK	135	0	16.19	16.26	16.13	16.7	0.0	
100	QPSK	135	69	16.21	16.30	16.07	16.7	0.0	
100	QPSK	135	138	16.15	16.34	16.16	16.7	0.0	
100	QPSK	270	0	16.20	16.27	16.21	16.7	0.0	
100	16QAM	1	1	16.25	16.12	16.14	16.7	0.0	
100	64QAM	1	1	16.09	16.31	16.13	16.7	0.0	
100	256QAM	1	1	16.23	16.27	16.22	16.7	0.0	
Channel				505003	516006	506000			
Frequency (MHz)				2541	2552.99	2544.93			
90	QPSK	1	1	16.30	16.13	16.08	16.7	0.0	
Channel				505004	516006	506000			
Frequency (MHz)				2538.02	2552.99	2549.99			
80	QPSK	1	1	16.11	16.16	16.16	16.7	0.0	
Channel				505002	516006	506000			
Frequency (MHz)				2531.01	2552.99	2555			
70	QPSK	1	1	16.13	16.24	16.09	16.7	0.0	
Channel				505000	516006	506000			
Frequency (MHz)				2526	2552.99	2559.98			
60	QPSK	1	1	16.12	16.04	16.01	16.7	0.0	
Channel				505004	516006	506000			
Frequency (MHz)				2521.02	2552.99	2564.99			
50	QPSK	1	1	16.19	16.06	16.16	16.7	0.0	
Channel				505002	516006	506000			
Frequency (MHz)				2514.01	2552.99	2570			
40	QPSK	1	1	16.26	16.21	16.01	16.7	0.0	
Channel				502000	516006	504996			
Frequency (MHz)				2511	2552.99	2574.98			
30	QPSK	1	1	16.30	16.11	16.15	16.7	0.0	
Channel				501004	516006	505998			
Frequency (MHz)				2506.02	2552.99	2579.99			
20	QPSK	1	1	16.11	16.21	16.16	16.7	0.0	
Channel				500700	516006	506496			
Frequency (MHz)				2501.6	2552.99	2582.43			
15	QPSK	1	1	16.32	16.09	16.02	16.7	0.0	
Channel				500002	516006	507000			
Frequency (MHz)				2501.01	2552.99	2585			
10	QPSK	1	1	16.24	16.10	16.01	16.7	0.0	

Part270 n78 Main PA Ant5 DS10 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Medium P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1		13.57		14.5	0.0	
100	PIQ BPSK	1	137		13.45				
100	PIQ BPSK	1	271		13.47				
100	PIQ BPSK	135	0		13.45		14.5	0.0	
100	PIQ BPSK	135	89		13.59		14.5	0.0	
100	PIQ BPSK	135	138		13.50		14.5	0.0	
100	PIQ BPSK	270	0		13.56		14.5	0.0	
100	QPSK	1	1		13.58		14.5	0.0	
100	QPSK	1	137		13.58				
100	QPSK	1	271		13.56				
100	QPSK	135	0		13.52		14.5	0.0	
100	QPSK	135	89		13.54		14.5	0.0	
100	QPSK	135	138		13.55		14.5	0.0	
100	QPSK	270	0		13.58		14.5	0.0	
100	16QAM	1	1		13.49		14.5	0.0	
100	64QAM	1	1		13.16		14.5	0.0	
100	256QAM	1	1		13.00		14.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.48	13.51	13.37	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.59	13.55	13.40	14.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.48	13.52	13.35	14.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.55	13.53	13.20	14.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.58	13.49	13.31	14.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.48	13.49	13.37	14.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.53	13.53	13.31	14.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.48	13.53	13.41	14.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.53	13.46	13.24	14.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.54	13.50	13.25	14.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.54	13.42	13.32	14.5	0.0	

Part270 n78 PC2 Main PA Ant5 DS10 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Medium P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1		16.48		17.5	0.0	
100	PIQ BPSK	1	137		16.54				
100	PIQ BPSK	1	271		16.54				
100	PIQ BPSK	135	0		16.53		17.5	0.0	
100	PIQ BPSK	135	89		16.48		17.5	0.0	
100	PIQ BPSK	135	138		16.42		17.5	0.0	
100	PIQ BPSK	270	0		16.55		17.5	0.0	
100	QPSK	1	1		16.70		17.5	0.0	
100	QPSK	1	137		16.48				
100	QPSK	1	271		16.45				
100	QPSK	135	0		16.51		17.5	0.0	
100	QPSK	135	89		16.50		17.5	0.0	
100	QPSK	135	138		16.52		17.5	0.0	
100	QPSK	270	0		16.54		17.5	0.0	
100	16QAM	1	1		16.39		17.5	0.0	
100	64QAM	1	1		16.27		17.5	0.0	
100	256QAM	1	1		16.71		17.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.54	16.43	16.38	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.47	16.36	16.27	17.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.39	16.43	16.35	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.39	16.43	16.25	17.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.39	16.38	16.25	17.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.53	16.48	16.25	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.43	16.54	16.40	17.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.44	16.49	16.26	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.53	16.38	16.27	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.40	16.49	16.37	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.44	16.47	16.24	17.5	0.0	

Part27Q n78 Main PA Ant5 DS10 ENDC												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P ₁ / P _{max}	Power Mid P ₂ / P _{max}	Power High P ₃ / P _{max}	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
100	PIQ BPSK	1	1		13.51		14.5	0.0				
100	PIQ BPSK	1	137		13.42							
100	PIQ BPSK	1	271		13.37		14.5	0.0				
100	PIQ BPSK	135	0		13.30							
100	PIQ BPSK	135	69		13.46		14.5	0.0				
100	PIQ BPSK	135	138		13.38							
100	PIQ BPSK	270	0		13.45		14.5	0.0				
100	QPSK	1	1		13.54							
100	QPSK	1	137		13.42		14.5	0.0				
100	QPSK	1	271		13.42							
100	QPSK	135	0		13.40		14.5	0.0				
100	QPSK	135	69		13.48							
100	QPSK	135	138		13.34		14.5	0.0				
100	QPSK	270	0		13.44							
100	16QAM	1	1		13.10		14.5	0.0				
100	64QAM	1	1		12.95							
100	256QAM	1	1		13.42		14.5	0.0				
Channel												
Frequency (MHz)												
90	QPSK	1	1	13.41	13.32	13.26	14.5	0.0				
Channel												
Frequency (MHz)												
80	QPSK	1	1	13.40	13.31	13.32	14.5	0.0				
Channel												
Frequency (MHz)												
70	QPSK	1	1	13.48	13.35	13.32	14.5	0.0				
Channel												
Frequency (MHz)												
60	QPSK	1	1	13.42	13.33	13.22	14.5	0.0				
Channel												
Frequency (MHz)												
50	QPSK	1	1	13.50	13.23	13.32	14.5	0.0				
Channel												
Frequency (MHz)												
40	QPSK	1	1	13.54	13.35	13.22	14.5	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	13.49	13.26	13.35	14.5	0.0				
Channel												
Frequency (MHz)												
25	QPSK	1	1	13.54	13.29	13.19	14.5	0.0				
Channel												
Frequency (MHz)												
20	QPSK	1	1	13.55	13.30	13.37	14.5	0.0				
Channel												
Frequency (MHz)												
15	QPSK	1	1	13.47	13.23	13.18	14.5	0.0				
Channel												
Frequency (MHz)												
10	QPSK	1	1	13.43	13.32	13.27	14.5	0.0				

Part27Q n78 PC2 Main PA Ant5 DS10 ENDC												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P ₁ / P _{max}	Power Mid P ₂ / P _{max}	Power High P ₃ / P _{max}	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
100	PIQ BPSK	1	1		16.27		17.5	0.0				
100	PIQ BPSK	1	137		16.47							
100	PIQ BPSK	1	271		16.32		17.5	0.0				
100	PIQ BPSK	135	0		16.36							
100	PIQ BPSK	135	69		16.61		17.5	0.0				
100	PIQ BPSK	135	138		16.32							
100	PIQ BPSK	270	0		16.33		17.5	0.0				
100	QPSK	1	1		16.75							
100	QPSK	1	137		16.46		17.5	0.0				
100	QPSK	1	271		16.40							
100	QPSK	135	0		16.48		17.5	0.0				
100	QPSK	135	69		16.58							
100	QPSK	135	138		16.41		17.5	0.0				
100	QPSK	270	0		16.36							
100	16QAM	1	1		16.23		17.5	0.0				
100	64QAM	1	1		16.07							
100	256QAM	1	1		16.08		17.5	0.0				
Channel												
Frequency (MHz)												
90	QPSK	1	1	16.42	16.26	16.22	17.5	0.0				
Channel												
Frequency (MHz)												
80	QPSK	1	1	16.48	16.14	16.27	17.5	0.0				
Channel												
Frequency (MHz)												
70	QPSK	1	1	16.34	16.27	16.21	17.5	0.0				
Channel												
Frequency (MHz)												
60	QPSK	1	1	16.45	16.23	16.23	17.5	0.0				
Channel												
Frequency (MHz)												
50	QPSK	1	1	16.47	16.13	16.22	17.5	0.0				
Channel												
Frequency (MHz)												
40	QPSK	1	1	16.38	16.29	16.16	17.5	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	16.36	16.15	16.19	17.5	0.0				
Channel												
Frequency (MHz)												
25	QPSK	1	1	16.51	16.23	16.24	17.5	0.0				
Channel												
Frequency (MHz)												
20	QPSK	1	1	16.48	16.15	16.19	17.5	0.0				
Channel												
Frequency (MHz)												
15	QPSK	1	1	16.44	16.31	16.26	17.5	0.0				
Channel												
Frequency (MHz)												
10	QPSK	1	1	16.47	16.16	16.25	17.5	0.0				

Part270 n78 Main PA Ant6 DS10 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Mid P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1		12.43				
100	PIQ BPSK	1	137		12.41		13.5	0.0	
100	PIQ BPSK	1	271		12.19				
100	PIQ BPSK	135	0		12.26		13.5	0.0	
100	PIQ BPSK	135	89		12.26		13.5	0.0	
100	PIQ BPSK	135	138		12.37		13.5	0.0	
100	PIQ BPSK	270	0		12.27				
100	QPSK	1	1		12.29				
100	QPSK	1	137		12.42		13.5	0.0	
100	QPSK	1	271		12.47				
100	QPSK	135	0		12.49		13.5	0.0	
100	QPSK	135	89		12.50		13.5	0.0	
100	QPSK	135	138		12.23		13.5	0.0	
100	QPSK	270	0		12.47				
100	16QAM	1	1		12.54		13.5	0.0	
100	64QAM	1	1		12.29		13.5	0.0	
100	256QAM	1	1		12.46		13.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.44	12.53	12.27	13.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.33	12.44	12.19	13.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.42	12.56	12.27	13.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.33	12.44	12.18	13.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.31	12.48	12.23	13.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.37	12.43	12.21	13.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.48	12.38	12.11	13.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	12.30	12.46	12.24	13.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.47	12.43	12.29	13.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.51	12.46	12.16	13.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.34	12.53	12.19	13.5	0.0	

Part270 n78 PC2 Main PA Ant6 DS10 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Mid P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1		15.33				
100	PIQ BPSK	1	137		15.24		16.5	0.0	
100	PIQ BPSK	1	271		15.13				
100	PIQ BPSK	135	0		15.11		16.5	0.0	
100	PIQ BPSK	135	89		15.26		16.5	0.0	
100	PIQ BPSK	135	138		15.44		16.5	0.0	
100	PIQ BPSK	270	0		15.19				
100	QPSK	1	1		15.36				
100	QPSK	1	137		15.27		16.5	0.0	
100	QPSK	1	271		15.40				
100	QPSK	135	0		15.26		16.5	0.0	
100	QPSK	135	89		15.51		16.5	0.0	
100	QPSK	135	138		15.23		16.5	0.0	
100	QPSK	270	0		15.41				
100	16QAM	1	1		15.11		16.5	0.0	
100	64QAM	1	1		14.80		16.5	0.0	
100	256QAM	1	1		15.15		16.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.33	15.43	15.10	16.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.26	15.41	15.28	16.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.40	15.44	15.18	16.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.37	15.41	15.10	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.22	15.36	15.29	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.28	15.26	15.09	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.39	15.39	15.27	16.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.33	15.29	15.24	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.42	15.39	15.18	16.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.27	15.44	15.16	16.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.32	15.32	15.26	16.5	0.0	

Part27Q n78 Main PA Ant6 DS10 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P ₁ / P _{max}	Power Mid P ₂ / P _{max}	Power High P ₃ / P _{max}	Tune-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1		12.41				
100	PIQ BPSK	1	137		12.26			13.5	0.0
100	PIQ BPSK	1	271		12.33			13.5	0.0
100	PIQ BPSK	135	0		12.39			13.5	0.0
100	PIQ BPSK	135	69		12.31			13.5	0.0
100	PIQ BPSK	135	138		12.37			13.5	0.0
100	PIQ BPSK	270	0		12.23			13.5	0.0
100	QPSK	1	1		12.40			13.5	0.0
100	QPSK	1	137		12.40			13.5	0.0
100	QPSK	1	271		12.58				
100	QPSK	135	0		12.47			13.5	0.0
100	QPSK	135	69		12.36			13.5	0.0
100	QPSK	135	138		12.35			13.5	0.0
100	QPSK	270	0		12.51			13.5	0.0
100	16QAM	1	1		12.51			13.5	0.0
100	64QAM	1	1		11.97			13.5	0.0
100	256QAM	1	1		12.39			13.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	3305	3333.6	3366.8			MPR
Channel									
Frequency (MHz)									
80	QPSK	1	1	3405	3500.01	3520.02			MPR
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.23	12.45	12.28	13.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	3341	3333.6	3343.34			MPR
Channel									
Frequency (MHz)									
50	QPSK	1	1	3410	3500.01	3519.24			MPR
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.32	12.34	12.41	13.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3400	3333.6	3348.68			MPR
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.41	12.43	12.53	13.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3368	3333.6	3350.00			MPR
Channel									
Frequency (MHz)									
50	QPSK	1	1	3410	3500.01	3520.02			MPR
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.32	12.37	12.36	13.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3314	3333.6	3334.34			MPR
Channel									
Frequency (MHz)									
20	QPSK	1	1	3410	3500.01	3520.02			MPR
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.32	12.29	12.27	13.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	3304	3333.6	3336.68			MPR
Channel									
Frequency (MHz)									
20	QPSK	1	1	3410	3500.01	3520.02			MPR
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.28	12.43	12.28	13.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.26	12.30	12.29	13.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	3350	3333.6	3346.68			MPR
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.26	12.44	12.29	13.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3304	3333.6	3336.34			MPR
Channel									
Frequency (MHz)									
5	QPSK	1	1	3440	3500.01	3545.01			MPR
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.29	12.38	12.32	13.5	0.0	

Part27Q n78 PC2 Main PA Ant6 DS10 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P ₁ / P _{max}	Power Mid P ₂ / P _{max}	Power High P ₃ / P _{max}	Tune-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1		15.42				
100	PIQ BPSK	1	137		15.54			16.5	0.0
100	PIQ BPSK	1	271		15.44			16.5	0.0
100	PIQ BPSK	135	0		15.23			16.5	0.0
100	PIQ BPSK	135	69		15.42			16.5	0.0
100	PIQ BPSK	135	138		15.55			16.5	0.0
100	PIQ BPSK	270	0		15.42			16.5	0.0
100	QPSK	1	1		15.76				
100	QPSK	1	137		15.56			16.5	0.0
100	QPSK	1	271		15.60				
100	QPSK	135	0		15.33			16.5	0.0
100	QPSK	135	69		15.70			16.5	0.0
100	QPSK	135	138		15.53			16.5	0.0
100	QPSK	270	0		15.56			16.5	0.0
100	16QAM	1	1		15.33			16.5	0.0
100	64QAM	1	1		15.85			16.5	0.0
100	256QAM	1	1		15.40			16.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.18	15.84	15.59	16.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.15	15.84	15.49	16.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.16	15.57	15.53	16.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.25	15.38	15.45	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.11	15.69	15.54	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.15	15.59	15.51	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.13	15.63	15.53	16.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.16	15.72	15.62	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.24	15.85	15.49	16.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.12	15.72	15.49	16.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.17	15.70	15.60	16.5	0.0	

Part270 n78 Main PA Ant7 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				64000	65000	66000			
Frequency (MHz)				3750	3750	3750			
100	PIQ BPSK	1	1		19.92				
100	PIQ BPSK	1	137		20.02		21.0	0.0	
100	PIQ BPSK	1	271		19.75				
100	PIQ BPSK	135	0		19.85		21.0	0.0	
100	PIQ BPSK	135	89		19.77		21.0	0.0	
100	PIQ BPSK	135	138		19.68				
100	PIQ BPSK	270	0		19.74		21.0	0.0	
100	QPSK	1	1		20.03				
100	QPSK	1	137		19.81		21.0	0.0	
100	QPSK	1	271		19.97				
100	QPSK	135	0		19.86		21.0	0.0	
100	QPSK	135	89		19.95		21.0	0.0	
100	QPSK	135	138		19.71		21.0	0.0	
100	QPSK	270	0		19.88				
100	ISQAM	1	1		19.78		21.0	0.0	
100	64QAM	1	1		19.53		21.0	0.0	
100	256QAM	1	1		19.91		21.0	0.0	
Channel				64000	65000	66000			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		19.84	20.01	19.78	21.0	0.0
Channel				64000	65000	66000			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		19.83	19.95	19.86	21.0	0.0
Channel				64000	65000	66000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		19.88	19.87	19.73	21.0	0.0
Channel				64000	65000	66000			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		19.86	19.98	19.84	21.0	0.0
Channel				64000	65000	66000			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		19.84	19.97	19.74	21.0	0.0
Channel				64000	65000	66000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		19.96	19.87	19.89	21.0	0.0
Channel				64768	65000	65234			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		19.96	20.02	19.79	21.0	0.0
Channel				647500	65000	65300			
Frequency (MHz)				3712.5	3750	3792.5			
25	QPSK	1	1		19.86	20.03	19.93	21.0	0.0
Channel				647334	65000	65268			
Frequency (MHz)				3710.01	3750	3790.00			
20	QPSK	1	1		19.92	19.88	19.89	21.0	0.0
Channel				647168	65000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		19.85	20.03	19.90	21.0	0.0
Channel				647000	65000	65300			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		19.94	19.93	19.80	21.0	0.0

Part270 n78 PC2 Main PA Ant7 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				64000	65000	66000			
Frequency (MHz)				3750	3750	3750			
100	PIQ BPSK	1	1		22.92				
100	PIQ BPSK	1	137		22.94		24.0	0.0	
100	PIQ BPSK	1	271		22.75				
100	PIQ BPSK	135	0		22.80		24.0	0.0	
100	PIQ BPSK	135	89		22.83		24.0	0.0	
100	PIQ BPSK	135	138		22.81				
100	PIQ BPSK	270	0		22.81		24.0	0.0	
100	QPSK	1	1		23.07				
100	QPSK	1	137		22.86		24.0	0.0	
100	QPSK	1	271		22.92				
100	QPSK	135	0		22.85		24.0	0.0	
100	QPSK	135	89		22.95		24.0	0.0	
100	QPSK	135	138		22.89		24.0	0.0	
100	QPSK	270	0		23.00				
100	ISQAM	1	1		22.71		24.0	0.0	
100	64QAM	1	1		22.54		23.5	0.5	
100	256QAM	1	1		20.51		21.5	2.5	
Channel				64000	65000	66000			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.86	22.81	22.72	24.0	0.0
Channel				64000	65000	66000			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.88	22.88	22.71	24.0	0.0
Channel				64000	65000	66000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.92	22.86	22.79	24.0	0.0
Channel				64000	65000	66000			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.91	22.84	22.78	24.0	0.0
Channel				64000	65000	66000			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.93	22.86	22.73	24.0	0.0
Channel				64000	65000	66000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.88	22.83	22.70	24.0	0.0
Channel				64768	65000	65234			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.99	22.95	22.87	24.0	0.0
Channel				647000	65000	65250			
Frequency (MHz)				3712.5	3750	3792.5			
25	QPSK	1	1		22.99	22.98	22.75	24.0	0.0
Channel				647334	65000	65268			
Frequency (MHz)				3710.01	3750	3790.00			
20	QPSK	1	1		22.85	22.85	22.84	24.0	0.0
Channel				647168	65000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.94	22.90	22.77	24.0	0.0
Channel				647000	65000	65300			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.96	22.94	22.79	24.0	0.0

Part27Q n78 Main PA Ant7 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 / Freq.	Power Main Ch. 1 / Freq.	Power High Ch. 1 / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.05			21.0	0.0	
100	PI2 BPSK	1	137	20.05					
100	PI2 BPSK	1	271	19.98					
100	PI2 BPSK	135	0	20.00			21.0	0.0	
100	PI2 BPSK	135	69	20.21			21.0	0.0	
100	PI2 BPSK	135	138	19.97			21.0	0.0	
100	PI2 BPSK	270	0	20.06					
100	QPSK	1	1	20.26					
100	QPSK	1	137	20.10			21.0	0.0	
100	QPSK	1	271	20.25			21.0	0.0	
100	QPSK	135	0	20.02					
100	QPSK	135	69	20.13					
100	QPSK	135	138	20.06			21.0	0.0	
100	QPSK	270	0	20.08			21.0	0.0	
100	16QAM	1	1	19.92			21.0	0.0	
100	64QAM	1	1	19.84			21.0	0.0	
100	256QAM	1	1	20.11			21.0	0.0	
Channel									
Frequency (MHz)									
Channel									
90	QPSK	1	1	20.04	20.15	20.12	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.18	20.09	20.16	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.11	20.09	20.11	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.18	20.15	20.05	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.04	20.06	20.18	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.08	20.14	20.04	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.18	20.23	20.01	21.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.04	20.13	20.18	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.00	20.16	20.04	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.03	20.19	20.17	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.05	20.07	20.07	21.0	0.0	

Part27Q n78 PC2 Main PA Ant7 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.71			24.0	0.0	
100	PI2 BPSK	1	137	22.69					
100	PI2 BPSK	1	271	22.78					
100	PI2 BPSK	135	0	22.70			23.5	0.5	
100	PI2 BPSK	135	69	22.85			24.0	0.0	
100	PI2 BPSK	135	138	22.87			23.5	0.5	
100	PI2 BPSK	270	0	22.65			24.0	0.0	
100	QPSK	1	1	22.86					
100	QPSK	1	137	22.88					
100	QPSK	1	271	22.78			24.0	0.0	
100	QPSK	135	0	22.81					
100	QPSK	135	69	22.74					
100	QPSK	135	138	22.81			24.0	0.0	
100	QPSK	270	0	22.71			24.0	0.0	
100	16QAM	1	1	22.45			23.5	0.5	
100	256QAM	1	1	20.44			21.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.89	22.81	22.68	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.58	22.76	22.65	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.73	22.74	22.63	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.59	22.71	22.70	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.73	22.78	22.66	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.87	22.78	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.69	22.76	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.76	22.76	22.77	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.63	22.70	22.69	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.72	22.77	22.62	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.76	22.77	22.77	24.0	0.0	

DSI 1 Power for FR1 Main PA

n5 Main PA Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839	25.5	0.0
Frequency (MHz)				24.48	24.57	24.51		
20	PI/2 BPSK	1	1	24.41	24.51	24.38		
20	PI/2 BPSK	1	104	24.33	24.46	24.39		
20	PI/2 BPSK	50	0	24.16	24.21	24.15	25.0	0.5
20	PI/2 BPSK	50	28	24.54	24.59	24.51	25.5	0.0
20	PI/2 BPSK	50	56	24.12	24.21	24.17	25.0	0.5
20	PI/2 BPSK	100	0	24.13	24.18	24.10		
20	QPSK	1	1	24.52	24.63	24.48	25.5	0.0
20	QPSK	1	53	24.43	24.53	24.41		
20	QPSK	1	104	24.37	24.46	24.33		
20	QPSK	50	0	23.65	23.71	23.61	24.5	1.0
20	QPSK	50	28	24.56	24.61	24.54	25.5	0.0
20	QPSK	50	56	23.49	23.62	23.53	24.5	1.0
20	QPSK	100	0	23.60	23.66	23.52		
20	16QAM	1	1	23.28	23.34	23.31	24.5	1.0
20	64QAM	1	1	21.84	21.93	21.83	23.0	2.5
20	256QAM	1	1	20.66	20.69	20.61	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.48	24.53	24.44	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.55	24.59	24.40	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.50	24.57	24.49	25.5	0.0

n5 Main PA Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	838		
20	Pl2 BPSK	1	1	23.59	23.68	23.55	25.5	0.0
20	Pl2 BPSK	1	53	23.61	23.66	23.55		
20	Pl2 BPSK	1	104	23.56	23.61	23.57		
20	Pl2 BPSK	50	0	23.23	23.31	23.22	25.0	0.5
20	Pl2 BPSK	50	28	23.58	23.69	23.58	25.5	0.0
20	Pl2 BPSK	50	56	23.20	23.27	23.14		
20	Pl2 BPSK	100	0	23.20	23.33	23.25	25.0	0.5
20	QPSK	1	1	23.68	23.73	23.64		
20	QPSK	1	53	23.53	23.65	23.55	25.5	0.0
20	QPSK	1	104	23.80	23.86	23.54		
20	QPSK	50	0	22.69	22.83	22.75	24.5	1.0
20	QPSK	50	28	23.56	23.66	23.60	25.5	0.0
20	QPSK	50	56	22.84	22.77	22.70	24.5	1.0
20	QPSK	100	0	22.76	22.81	22.72		
20	8QAM	1	1	22.57	22.64	22.52	24.5	1.0
20	8QAM	1	1	21.15	21.29	21.22	23.0	2.5
20	25QAM	1	1	19.58	19.72	19.62	21.0	4.5
Channel				166300	167300	168300	tune-up limit (dBm)	MPR
15	QPSK	1	1	23.51	23.62	23.56	25.5	0.0
Channel				165800	167300	168800	tune-up limit (dBm)	MPR
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.56	23.63	23.58	25.5	0.0
Channel				165300	167300	168300	tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.52	23.66	23.63	25.5	0.0

n7 Main PA Ant1 DS1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506000	507000	508000		
Frequency (MHz)				2525	2535	2545		
50	Pl2 BPSK	1	1	19.69	19.84	19.49	20.5	0.0
50	Pl2 BPSK	1	135	19.65	19.58	19.69		
50	Pl2 BPSK	1	268	19.54	19.61	19.57		
50	Pl2 BPSK	135	0	19.75	19.76	19.85	20.5	0.0
50	Pl2 BPSK	135	68	19.63	19.58	19.48	20.5	0.0
50	Pl2 BPSK	135	135	19.62	19.79	19.76	20.5	0.0
50	Pl2 BPSK	270	0	19.79	19.76	19.77		
50	QPSK	1	1	19.76	19.89	19.72		
50	QPSK	1	135	19.42	19.58	19.46	20.5	0.0
50	QPSK	1	268	19.35	19.50	19.54		
50	QPSK	135	0	19.67	19.65	19.74	20.5	0.0
50	QPSK	135	68	19.69	19.75	19.71	20.5	0.0
50	QPSK	135	135	19.64	19.70	19.70	20.5	0.0
50	QPSK	270	0	19.77	19.84	19.72		
50	8QAM	1	1	19.37	19.56	19.51	20.5	0.0
50	8QAM	1	1	19.34	19.59	19.44	20.5	0.0
50	25QAM	1	1	19.23	19.24	19.16	19.5	1.0
Channel				504000	507000	510000	tune-up limit (dBm)	MPR
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.09	19.56	19.63	20.5	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.62	19.60	19.60	20.5	0.0
Channel				502000	507000	511000	tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.58	19.68	19.43	20.5	0.0
Channel				502000	507000	512000	tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	19.71	19.77	19.44	20.5	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.58	19.67	19.58	20.5	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.66	19.66	19.53	20.5	0.0
Channel				500500	507000	513500	tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.49	19.55	19.41	20.5	0.0

n66 Main PA Ant1 DS1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	351500		
Frequency (MHz)				1722.5	1745	1757.5		
45	Pl2 BPSK	1	1	20.83	20.74	20.66		
45	Pl2 BPSK	1	120	20.81	20.72	20.68	22.5	0.0
45	Pl2 BPSK	1	243	20.53	20.71	20.61		
45	Pl2 BPSK	120	0	20.60	20.65	20.61	22.5	0.0
45	Pl2 BPSK	120	60	20.52	20.66	20.66	22.5	0.0
45	Pl2 BPSK	120	120	20.76	20.81	20.73	22.5	0.0
45	Pl2 BPSK	240	0	20.68	20.72	20.77		
45	QPSK	1	1	20.83	20.87	20.82		
45	QPSK	1	120	20.58	20.76	20.53	22.5	0.0
45	QPSK	1	243	20.52	20.69	20.55		
45	QPSK	120	0	20.66	20.75	20.72	22.5	0.0
45	QPSK	120	60	20.76	20.82	20.72	22.5	0.0
45	QPSK	120	120	20.57	20.70	20.58	22.5	0.0
45	QPSK	240	0	20.79	20.80	20.74		
45	8QAM	1	1	20.52	20.66	20.63	22.5	0.0
45	8QAM	1	1	19.73	19.81	19.61	21.5	1.0
45	25QAM	1	1	18.20	18.27	18.20	19.5	3.0
Channel				346000	346000	352000	tune-up limit (dBm)	MPR
Frequency (MHz)				1718	1745	1768		
40	QPSK	1	1	20.72	20.68	20.64	23.0	0.0
Channel				345500	346000	352500	tune-up limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	20.74	20.86	20.78	22.5	0.0
Channel				345000	346000	353000	tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.69	20.75	20.71	22.5	0.0
Channel				344500	346000	353500	tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	20.74	20.74	20.65	22.5	0.0
Channel				344000	346000	354000	tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.77	20.79	20.63	22.5	0.0
Channel				343500	346000	354500	tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.72	20.87	20.74	22.5	0.0
Channel				343000	346000	355000	tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.70	20.85	20.67	22.5	0.0
Channel				342500	346000	355500	tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.66	20.75	20.65	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2590.02	2595	2599.98		
40	Pi2 BPSK	1	1	19.24	19.47	19.29		
40	Pi2 BPSK	1	53	19.24	19.30	19.31	20.5	0.0
40	Pi2 BPSK	1	104	18.97	19.20	19.12		
40	Pi2 BPSK	50	0	19.32	19.42	19.35	20.5	0.0
40	Pi2 BPSK	50	28	19.28	19.44	19.33	20.5	0.0
40	Pi2 BPSK	50	56	19.31	19.46	19.21	20.5	0.0
40	Pi2 BPSK	100	0	19.39	19.29	19.29		
40	QPSK	1	1	19.24	19.59	19.28		
40	QPSK	1	53	19.26	19.43	19.34	20.5	0.0
40	QPSK	1	104	19.12	19.19	19.16		
40	QPSK	50	0	19.38	19.44	19.37	20.5	0.0
40	QPSK	50	28	19.15	19.47	19.30	20.5	0.0
40	QPSK	50	56	19.33	19.35	19.27	20.5	0.0
40	QPSK	100	0	19.35	19.40	19.34		
40	8QAM	1	1	19.32	19.36	19.49	20.5	0.0
40	8QAM	1	1	19.16	19.43	19.15	20.5	0.0
40	25QAM	1	1	19.34	19.41	19.43	20.5	0.0
Channel								
Frequency (MHz)				517002	518000	520998	time-up limit (dB)	MPR
30	QPSK	1	1	19.30	19.27	19.10	20.5	0.0
Channel								
Frequency (MHz)				518504	519000	521496	time-up limit (dB)	MPR
25	QPSK	1	1	19.06	19.27	19.16	20.5	0.0
Channel								
Frequency (MHz)				519000	519000	522000	time-up limit (dB)	MPR
20	QPSK	1	1	19.03	19.32	18.95	20.5	0.0
Channel								
Frequency (MHz)				519502	519000	522498	time-up limit (dB)	MPR
15	QPSK	1	1	19.00	19.39	19.05	20.5	0.0
Channel								
Frequency (MHz)				519504	519000	522998	time-up limit (dB)	MPR
10	QPSK	1	1	19.00	19.28	19.06	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2546.01	2592.99	2640		
100	Pi2 BPSK	1	1	18.70	18.59	18.60		
100	Pi2 BPSK	1	137	18.65	18.79	18.91	20.0	0.0
100	Pi2 BPSK	1	271	18.52	18.68	18.72		
100	Pi2 BPSK	135	0	18.77	18.94	18.81	20.0	0.0
100	Pi2 BPSK	135	69	18.89	18.92	18.91	20.0	0.0
100	Pi2 BPSK	135	138	18.64	18.85	18.59	20.0	0.0
100	Pi2 BPSK	270	0	18.97	18.68	18.82		
100	QPSK	1	1	18.84	18.99	18.77		
100	QPSK	1	137	18.72	18.88	18.78	20.0	0.0
100	QPSK	1	271	18.51	18.66	18.62		
100	QPSK	135	0	18.83	18.90	18.94	20.0	0.0
100	QPSK	135	69	18.60	18.95	18.88	20.0	0.0
100	QPSK	135	138	18.74	18.71	18.61	20.0	0.0
100	QPSK	270	0	18.62	18.75	18.74		
100	8QAM	1	1	18.76	18.77	18.58	20.0	0.0
100	8QAM	1	1	18.53	18.61	18.60	20.0	0.0
100	25QAM	1	1	18.71	18.74	18.79	20.0	0.0
Channel								
Frequency (MHz)				508200	518598	528998	time-up limit (dB)	MPR
90	QPSK	1	1	18.79	18.63	18.63	20.0	0.0
Channel								
Frequency (MHz)				507204	518598	529998	time-up limit (dB)	MPR
80	QPSK	1	1	18.70	18.97	18.71	20.0	0.0
Channel								
Frequency (MHz)				506202	518598	531000	time-up limit (dB)	MPR
70	QPSK	1	1	18.82	18.81	18.63	20.0	0.0
Channel								
Frequency (MHz)				505200	518598	531998	time-up limit (dB)	MPR
60	QPSK	1	1	18.79	18.67	18.68	20.0	0.0
Channel								
Frequency (MHz)				504204	518598	532998	time-up limit (dB)	MPR
50	QPSK	1	1	18.81	18.77	18.65	20.0	0.0
Channel								
Frequency (MHz)				503202	518598	534000	time-up limit (dB)	MPR
40	QPSK	1	1	18.76	18.83	18.65	20.0	0.0
Channel								
Frequency (MHz)				502200	518598	534998	time-up limit (dB)	MPR
30	QPSK	1	1	18.68	18.94	18.60	20.0	0.0
Channel								
Frequency (MHz)				501204	518598	535998	time-up limit (dB)	MPR
20	QPSK	1	1	18.74	18.95	18.76	20.0	0.0
Channel								
Frequency (MHz)				500202	518598	536998	time-up limit (dB)	MPR
15	QPSK	1	1	18.72	18.85	18.78	20.0	0.0
Channel								
Frequency (MHz)				500202	518598	537000	time-up limit (dB)	MPR
10	QPSK	1	1	18.65	18.81	18.64	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	18.37	18.49	18.37		
100	Pi2 BPSK	1	137	18.27	18.50	18.27	20.0	0.0
100	Pi2 BPSK	1	271	18.28	18.32	18.25		
100	Pi2 BPSK	135	0	18.32	18.45	18.16	20.0	0.0
100	Pi2 BPSK	135	69	18.55	18.45	18.53	20.0	0.0
100	Pi2 BPSK	135	138	18.30	18.24	18.20	20.0	0.0
100	Pi2 BPSK	270	0	18.29	18.29	18.23		
100	QPSK	1	1	18.49	18.69	18.51		
100	QPSK	1	137	18.35	18.51	18.31	20.0	0.0
100	QPSK	1	271	18.56	18.52	18.57		
100	QPSK	135	0	18.37	18.44	18.24	20.0	0.0
100	QPSK	135	69	18.35	18.59	18.54	20.0	0.0
100	QPSK	135	138	18.26	18.26	18.44	20.0	0.0
100	QPSK	270	0	18.43	18.50	18.27		
100	8QAM	1	1	18.26	18.23	18.15	20.0	0.0
100	8QAM	1	1	18.17	18.39	18.25	20.0	0.0
100	25QAM	1	1	18.24	18.55	18.20	20.0	0.0
Channel								
Frequency (MHz)				649668	659000	662334	time-up limit (dB)	MPR
90	QPSK	1	1	18.25	18.35	18.24	20.0	0.0
Channel								
Frequency (MHz)				648334	659000	660668	time-up limit (dB)	MPR
80	QPSK	1	1	18.30	18.51	18.36	20.0	0.0
Channel								
Frequency (MHz)				647000	659000	662000	time-up limit (dB)	MPR
70	QPSK	1	1	18.26	18.35	18.33	20.0	0.0
Channel								
Frequency (MHz)				646968	659000	663334	time-up limit (dB)	MPR
60	QPSK	1	1	18.27	18.42	18.39	20.0	0.0
Channel								
Frequency (MHz)				646334	659000	663668	time-up limit (dB)	MPR
50	QPSK	1	1	18.15	18.47	18.30	20.0	0.0
Channel								
Frequency (MHz)				645000	659000	664000	time-up limit (dB)	MPR
40	QPSK	1	1	18.33	18.45	18.20	20.0	0.0
Channel								
Frequency (MHz)				647968	659000	664334	time-up limit (dB)	MPR
30	QPSK	1	1	18.12	18.59	18.28	20.0	0.0
Channel								
Frequency (MHz)				647000	659000	664500	time-up limit (dB)	MPR
25	QPSK	1	1	18.29	18.51	18.29	20.0	0.0
Channel								
Frequency (MHz)				647000	659000	664555	time-up limit (dB)	MPR
20	QPSK	1	1	18.27	18.38	18.37	20.0	0.0
Channel								
Frequency (MHz)				647968	659000	664834	time-up limit (dB)	MPR
15	QPSK	1	1	18.33	18.49	18.34	20.0	0.0
Channel								
Frequency (MHz)				647000	659000	665000	time-up limit (dB)	MPR
10	QPSK	1	1	18.34	18.55	18.25	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3700	3840	3930		
100	Pi2 BPSK	1	1	21.15	21.27	21.30		
100	Pi2 BPSK	1	137	21.12	21.33	21.26	23.0	0.0
100	Pi2 BPSK	1	271	21.28	21.29	21.04		
100	Pi2 BPSK	135	0	21.20	21.41	21.05	23.0	0.0
100	Pi2 BPSK	135	69	21.43	21.26	21.48	23.0	0.0
100	Pi2 BPSK	135	138	21.37	21.05	21.02		
100	Pi2 BPSK	270	0	21.23	21.30	21.21	23.0	0.0
100	QPSK	1	1	21.32	21.69	21.41		
100	QPSK	1	137	21.20	21.52	21.09	23.0	0.0
100	QPSK	1	271	21.53	21.49	21.56		
100	QPSK	135	0	21.35	21.44	21.12	23.0	0.0
100	QPSK	135	69	21.31	21.49	21.41	23.0	0.0
100	QPSK	135	138	21.22	21.07	21.35	23.0	0.0
100	QPSK	270	0	21.28	21.40	21.11	23.0	0.0
100	8QAM	1	1	21.16	21.08	21.15	23.0	0.0
100	8QAM	1	1	20.54	20.52	20.56	22.5	0.5
100	25QAM	1	1	18.86	18.83	18.64	20.5	2.5
Channel								
Frequency (MHz)				648668	656000	662334	time-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.22	21.57	21.38	23.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.32	21.62	21.24	23.0	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.24	21.66	21.21	23.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.19	21.53	21.42	23.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.19	21.68	21.27	23.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.19	21.67	21.43	23.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.19	21.54	21.19	23.0	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.29	21.68	21.29	23.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.28	21.62	21.27	23.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.19	21.68	21.33	23.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.12	21.68	21.34	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		18.50			
100	Pi2 BPSK	1	137		18.68		20.0	0.0
100	Pi2 BPSK	1	271		18.50			
100	Pi2 BPSK	135	0		18.59		20.0	0.0
100	Pi2 BPSK	135	69		18.65		20.0	0.0
100	Pi2 BPSK	135	138		18.45			
100	Pi2 BPSK	270	0		18.52		20.0	0.0
100	QPSK	1	1		18.78			
100	QPSK	1	137		18.69		20.0	0.0
100	QPSK	1	271		18.57			
100	QPSK	135	0		18.66		20.0	0.0
100	QPSK	135	69		18.72		20.0	0.0
100	QPSK	135	138		18.29		20.0	0.0
100	QPSK	270	0		18.65		20.0	0.0
100	8QAM	1	1		18.36		20.0	0.0
100	8QAM	1	1		18.55		20.0	0.0
100	25QAM	1	1		18.57		20.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	time-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.47	18.45	18.43	23.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.40	18.53	18.46	20.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.47	18.36	18.47	20.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.43	18.47	18.27	23.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.44	18.36	18.35	20.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.33	18.49	18.38	20.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.35	18.58	18.28	23.0	0.0
Channel								
Frequency (MHz)				630834	633334	635834	time-up limit (dBm)	MPR (dB)
25	QPSK	1	1	18.45	18.35	18.36	20.0	0.0
Channel								
Frequency (MHz)				630500	633334	636000	time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.37	18.53	18.33	20.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.41	18.35	18.40	20.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	time-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.45	18.56	18.30	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		21.48			
100	Pi2 BPSK	1	137		21.39		23.0	0.0
100	Pi2 BPSK	1	271		21.40			
100	Pi2 BPSK	135	0		21.84		23.0	0.0
100	Pi2 BPSK	135	69		21.31		23.0	0.0
100	Pi2 BPSK	135	138		21.17			
100	Pi2 BPSK	270	0		21.35		23.0	0.0
100	QPSK	1	1		21.82			
100	QPSK	1	137		21.64		23.0	0.0
100	QPSK	1	271		21.70			
100	QPSK	135	0		23.52		23.0	0.0
100	QPSK	135	69		21.70		23.0	0.0
100	QPSK	135	138		21.29		23.0	0.0
100	QPSK	270	0		21.75		23.0	0.0
100	8QAM	1	1		21.16		23.0	0.0
100	8QAM	1	1		20.77		22.5	0.5
100	25QAM	1	1		19.19		20.5	2.5
Channel								
Frequency (MHz)				633000	633334	633668	time-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.25	21.76	21.48	23.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.26	21.75	21.40	23.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.46	21.59	21.38	23.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.37	21.66	21.59	23.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.31	21.77	21.48	23.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.43	21.68	21.50	23.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.24	21.65	21.52	23.0	0.0
Channel								
Frequency (MHz)				630834	633334	635834	time-up limit (dBm)	MPR (

Part270 n78 Main PA Ant1 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		17.81		19.0	0.0	
100	PI2 BPSK	1	137		17.85				
100	PI2 BPSK	1	271		17.69				
100	PI2 BPSK	135	0		17.62		19.0	0.0	
100	PI2 BPSK	135	69		17.82		19.0	0.0	
100	PI2 BPSK	135	138		17.66		19.0	0.0	
100	PI2 BPSK	270	0		17.70				
100	QPSK	1	1		17.82			0.0	
100	QPSK	1	137		17.76		19.0		
100	QPSK	1	271		17.63		19.0	0.0	
100	QPSK	135	0		17.65				
100	QPSK	135	69		17.90		19.0	0.0	
100	QPSK	135	138		17.65		19.0	0.0	
100	QPSK	270	0		17.69		19.0	0.0	
100	16QAM	1	1		17.67		19.0	0.0	
100	64QAM	1	1		17.33		19.0	0.0	
100	256QAM	1	1		17.79		19.0	0.0	
Channel				649698	650000	650334	tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3763.01	(dB)		
90	QPSK	1	1		17.53	17.82	17.64	19.0	0.0
Channel				649334	650000	650698	tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dB)		
80	QPSK	1	1		17.46	17.61	17.59	19.0	0.0
Channel				649000	650000	651000	tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dB)		
70	QPSK	1	1		17.67	17.79	17.65	19.0	0.0
Channel				648698	650000	651334	tune-up limit	MPR	
Frequency (MHz)				3723.02	3750	3763.01	(dB)		
60	QPSK	1	1		17.47	17.67	17.59	19.0	0.0
Channel				648334	650000	651698	tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dB)		
50	QPSK	1	1		17.67	17.69	17.65	19.0	0.0
Channel				648000	650000	652000	tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dB)		
40	QPSK	1	1		17.68	17.64	17.65	19.0	0.0
Channel				647698	650000	652334	tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3768.01	(dB)		
30	QPSK	1	1		17.81	17.65	17.82	19.0	0.0
Channel				647500	650000	652500	tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dB)		
25	QPSK	1	1		17.52	17.70	17.47	19.0	0.0
Channel				647334	650000	652698	tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dB)		
20	QPSK	1	1		17.62	17.78	17.62	19.0	0.0
Channel				647198	650000	652834	tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dB)		
15	QPSK	1	1		17.65	17.72	17.51	19.0	0.0
Channel				647000	650000	653000	tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dB)		
10	QPSK	1	1		17.69	17.64	17.47	19.0	0.0

Part270 n78 PC2 Main PA Ant1 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		20.87		22.0	0.0	
100	PI2 BPSK	1	137		20.78				
100	PI2 BPSK	1	271		20.79				
100	PI2 BPSK	135	0		20.59		22.0	0.0	
100	PI2 BPSK	135	69		20.74		22.0	0.0	
100	PI2 BPSK	135	138		20.63		22.0	0.0	
100	PI2 BPSK	270	0		20.70				
100	QPSK	1	1		20.89			0.0	
100	QPSK	1	137		20.77		22.0		
100	QPSK	1	271		20.74		22.0	0.0	
100	QPSK	135	0		20.58				
100	QPSK	135	69		20.83		22.0	0.0	
100	QPSK	135	138		20.65		22.0	0.0	
100	QPSK	270	0		20.74		22.0	0.0	
100	16QAM	1	1		20.65		22.0	0.0	
100	64QAM	1	1		20.36		22.0	0.0	
100	256QAM	1	1		20.88		21.5	0.5	
Channel				649698	650000	650334	tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3763.01	(dB)		
90	QPSK	1	1		20.68	20.78	20.63	22.0	0.0
Channel				649334	650000	650698	tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dB)		
80	QPSK	1	1		20.63	20.56	20.62	22.0	0.0
Channel				649000	650000	651000	tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dB)		
70	QPSK	1	1		20.56	20.59	20.62	22.0	0.0
Channel				648698	650000	651334	tune-up limit	MPR	
Frequency (MHz)				3723.02	3750	3763.01	(dB)		
60	QPSK	1	1		20.55	20.72	20.56	22.0	0.0
Channel				648334	650000	651698	tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dB)		
50	QPSK	1	1		20.75	20.58	20.63	22.0	0.0
Channel				648000	650000	652000	tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dB)		
40	QPSK	1	1		20.75	20.57	20.77	22.0	0.0
Channel				647698	650000	652334	tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3768.01	(dB)		
30	QPSK	1	1		20.58	20.73	20.65	22.0	0.0
Channel				647500	650000	652500	tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dB)		
25	QPSK	1	1		20.58	20.62	20.74	22.0	0.0
Channel				647334	650000	652698	tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dB)		
20	QPSK	1	1		20.58	20.76	20.56	22.0	0.0
Channel				647198	650000	652834	tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dB)		
15	QPSK	1	1		20.58	20.73	20.56	22.0	0.0
Channel				647000	650000	653000	tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dB)		
10	QPSK	1	1		20.64	20.62	20.75	22.0	0.0

Part27Q n78 Main PA Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3500.01				
Frequency (MHz)					17.54				
100	Pi/2 BPSK	1	1		17.91		19.0	0.0	
100	Pi/2 BPSK	1	137						
100	Pi/2 BPSK	1	271		17.87				
100	Pi/2 BPSK	135	0		17.84		19.0	0.0	
100	Pi/2 BPSK	135	69		18.01		19.0	0.0	
100	Pi/2 BPSK	135	138		17.74		19.0	0.0	
100	Pi/2 BPSK	270	0		17.90				
100	QPSK	1	1		18.12				
100	QPSK	1	137		17.94		19.0	0.0	
100	QPSK	1	271		17.79				
100	QPSK	135	0		17.85		19.0	0.0	
100	QPSK	135	69		18.05		19.0	0.0	
100	QPSK	135	138		17.68		19.0	0.0	
100	QPSK	270	0		17.91				
100	6QAM	1	1		17.76		19.0	0.0	
100	6QAM	1	1		17.53		19.0	0.0	
100	256QAM	1	1		17.95		19.0	0.0	
Channel					633000	633334	633668	time-up limit (dB)	MPR
Frequency (MHz)					3495	3503.01	3503.02	up	(dB)
90	QPSK	1	1	17.60	17.45	17.79	19.0	0.0	
Channel					632668	633334	634000	time-up limit (dBm)	MPR
Frequency (MHz)					3490.02	3500.01	3510	19.0	0.0
80	QPSK	1	1	17.76	17.86	17.78	19.0	0.0	
Channel					632334	633334	634334	time-up limit (dBm)	MPR
Frequency (MHz)					3485.01	3500.01	3515.01	up	(dB)
70	QPSK	1	1	17.62	17.82	17.76	19.0	0.0	
Channel					632000	633334	634668	time-up limit (dBm)	MPR
Frequency (MHz)					3480	3503.01	3503.02	up	(dB)
60	QPSK	1	1	17.56	17.45	17.75	19.0	0.0	
Channel					631668	633334	635000	time-up limit (dBm)	MPR
Frequency (MHz)					3475.02	3500.01	3525	19.0	0.0
50	QPSK	1	1	17.70	17.89	17.77	19.0	0.0	
Channel					631334	633334	635334	time-up limit (dBm)	MPR
Frequency (MHz)					3470.01	3500.01	3530.01	up	(dB)
40	QPSK	1	1	17.75	18.01	17.75	19.0	0.0	
Channel					631000	633334	635668	time-up limit (dBm)	MPR
Frequency (MHz)					3465	3503.01	3503.02	up	(dB)
30	QPSK	1	1	17.75	17.45	17.71	19.0	0.0	
Channel					630634	633334	635834	time-up limit (dBm)	MPR
Frequency (MHz)					3462.51	3500.01	3537.51	up	(dB)
25	QPSK	1	1	17.65	18.01	17.70	19.0	0.0	
Channel					630268	633334	636000	time-up limit (dBm)	MPR
Frequency (MHz)					3460.02	3500.01	3540	19.0	0.0
20	QPSK	1	1	17.55	17.98	17.75	19.0	0.0	
Channel					630500	633334	636168	time-up limit (dBm)	MPR
Frequency (MHz)					3457.5	3503.01	3542.52	up	(dB)
15	QPSK	1	1	17.42	17.91	17.65	19.0	0.0	
Channel					630334	633334	636334	time-up limit (dBm)	MPR
Frequency (MHz)					3455.01	3500.01	3545.01	up	(dB)
10	QPSK	1	1	17.67	17.83	17.83	19.0	0.0	

Part27Q n78 PC2 Main PA Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3500.01				
Frequency (MHz)					20.54				
100	Pi/2 BPSK	1	1		20.96		22.0	0.0	
100	Pi/2 BPSK	1	137						
100	Pi/2 BPSK	1	271		20.91				
100	Pi/2 BPSK	135	0		20.84		22.0	0.0	
100	Pi/2 BPSK	135	69		20.80		22.0	0.0	
100	Pi/2 BPSK	135	138		20.65		22.0	0.0	
100	Pi/2 BPSK	270	0		20.80				
100	QPSK	1	1		21.05				
100	QPSK	1	137		20.96		22.0	0.0	
100	QPSK	1	271		20.79				
100	QPSK	135	0		20.65		22.0	0.0	
100	QPSK	135	69		21.04		22.0	0.0	
100	QPSK	135	138		20.89		22.0	0.0	
100	QPSK	270	0		20.87				
100	6QAM	1	1		20.68		22.0	0.0	
100	6QAM	1	1		20.46		22.0	0.0	
100	256QAM	1	1		20.60		21.5	0.5	
Channel					633000	633334	633668	time-up limit (dBm)	MPR
Frequency (MHz)					3495	3503.01	3503.02	up	(dB)
90	QPSK	1	1	20.83	21.01	20.79	22.0	0.0	
Channel					632668	633334	634000	time-up limit (dBm)	MPR
Frequency (MHz)					3490.02	3500.01	3510	19.0	0.0
80	QPSK	1	1	20.80	20.79	20.84	22.0	0.0	
Channel					632334	633334	634334	time-up limit (dBm)	MPR
Frequency (MHz)					3485.01	3500.01	3515.01	up	(dB)
70	QPSK	1	1	20.68	20.96	20.73	22.0	0.0	
Channel					632000	633334	634668	time-up limit (dBm)	MPR
Frequency (MHz)					3480	3503.01	3503.02	up	(dB)
60	QPSK	1	1	20.72	21.01	20.81	22.0	0.0	
Channel					631668	633334	635000	time-up limit (dBm)	MPR
Frequency (MHz)					3475.02	3500.01	3525	19.0	0.0
50	QPSK	1	1	20.66	20.91	20.78	22.0	0.0	
Channel					631334	633334	635334	time-up limit (dBm)	MPR
Frequency (MHz)					3470.01	3500.01	3530.01	up	(dB)
40	QPSK	1	1	20.76	20.94	20.75	22.0	0.0	
Channel					631000	633334	635668	time-up limit (dBm)	MPR
Frequency (MHz)					3465	3503.01	3503.02	up	(dB)
30	QPSK	1	1	20.76	20.79	20.74	22.0	0.0	
Channel					630634	633334	635834	time-up limit (dBm)	MPR
Frequency (MHz)					3462.51	3500.01	3537.51	up	(dB)
25	QPSK	1	1	20.72	20.93	20.85	22.0	0.0	
Channel					630268	633334	636000	time-up limit (dBm)	MPR
Frequency (MHz)					3460.02	3500.01	3540	19.0	0.0
20	QPSK	1	1	20.80	20.93	20.70	22.0	0.0	
Channel					630500	633334	636168	time-up limit (dBm)	MPR
Frequency (MHz)					3457.5	3503.01	3542.52	up	(dB)
15	QPSK	1	1	20.79	20.99	20.84	22.0	0.0	
Channel					630334	633334	636334	time-up limit (dBm)	MPR
Frequency (MHz)					3455.01	3500.01	3545.01	up	(dB)
10	QPSK	1	1	20.86	20.90	20.69	22.0	0.0	

n7 Main PA Ant2 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	21.23	21.33	21.24			
50	PI2 BPSK	1	135	21.07	21.23	21.21	22.2	0.0	
50	PI2 BPSK	1	268	20.80	21.17	20.89			
50	PI2 BPSK	135	0	21.17	21.38	21.23	22.2	0.0	
50	PI2 BPSK	135	68	21.13	21.15	21.20	22.2	0.0	
50	PI2 BPSK	135	135	21.07	21.19	21.19	22.2	0.0	
50	PI2 BPSK	270	0	21.27	21.28	21.32			
50	QPSK	1	1	21.33	21.37	21.23			
50	QPSK	1	135	21.13	21.25	21.07	22.2	0.0	
50	QPSK	1	268	21.01	21.06	21.07			
50	QPSK	135	0	21.19	21.23	21.18	22.2	0.0	
50	QPSK	135	68	21.14	21.27	21.23	22.2	0.0	
50	QPSK	135	135	21.05	21.23	21.21	22.2	0.0	
50	QPSK	270	0	21.10	21.19	21.17			
50	16QAM	1	1	21.14	21.20	21.24	22.2	0.0	
50	64QAM	1	1	21.18	21.13	21.16	22.2	0.0	
50	256QAM	1	1	20.32	20.49	20.44	21.2	1.0	
Channel				504000	507000	510000	tune-up limit (dB)	MPR	
Frequency (MHz)				2502	2535	2550			
40	QPSK	1	1	21.19	21.16	21.15	22.2	0.0	
Channel				503000	507000	511000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.15	21.20	21.24	22.2	0.0	
Channel				502500	507000	511500	tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	21.18	21.20	21.17	22.2	0.0	
Channel				502000	507000	512000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	21.26	21.18	21.09	22.2	0.0	
Channel				501500	507000	512500	tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.32	21.31	21.08	22.2	0.0	
Channel				501000	507000	513000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.30	21.26	21.07	22.2	0.0	
Channel				500500	507000	513500	tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	21.14	21.22	21.08	22.2	0.0	

n66 Main PA Ant2 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	PI2 BPSK	1	1	21.14	21.18	21.23			
45	PI2 BPSK	1	120	21.07	21.24	21.08	22.0	0.0	
45	PI2 BPSK	1	243	20.75	20.96	20.87			
45	PI2 BPSK	120	0	21.13	21.21	21.03	22.0	0.0	
45	PI2 BPSK	120	60	21.13	21.19	21.16	22.0	0.0	
45	PI2 BPSK	120	120	21.08	21.22	21.03	22.0	0.0	
45	PI2 BPSK	240	0	21.19	21.35	21.32			
45	QPSK	1	1	21.31	21.42	21.38			
45	QPSK	1	120	21.24	21.09	21.15	22.0	0.0	
45	QPSK	1	243	21.08	21.11	21.04			
45	QPSK	120	0	20.95	20.74	20.63	22.0	0.0	
45	QPSK	120	60	21.19	21.25	21.21	22.0	0.0	
45	QPSK	120	120	20.65	20.86	20.56	22.0	0.0	
45	QPSK	240	0	21.16	21.19	21.11			
45	16QAM	1	1	20.70	20.73	20.75	22.0	0.0	
45	64QAM	1	1	21.20	21.20	21.15	22.0	0.0	
45	256QAM	1	1	19.30	19.44	19.39	20.0	2.0	
Channel				346000	349000	352000	tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1760			
40	QPSK	1	1	21.02	20.89	20.96	22.0	0.0	
Channel				345500	349000	352500	tune-up limit (dBm)	MPR	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	21.24	21.09	20.96	22.0	0.0	
Channel				345000	349000	353000	tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	21.23	20.90	21.15	22.0	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	21.02	20.96	21.06	22.0	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	21.14	20.92	21.15	22.0	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	21.20	21.01	20.95	22.0	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.03	21.06	20.98	22.0	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	21.20	20.98	21.07	22.0	0.0	

n38 Main PA Ant2 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				518004	519000	519696				
Frequency (MHz)				2590.02	2595	2599.98				
40	PI2 BPSK	1	1	20.98	21.20	21.11		21.7	0.0	
40	PI2 BPSK	1	53	20.91	21.06	21.01				
40	PI2 BPSK	1	104	20.84	20.83	20.94				
40	PI2 BPSK	50	0	21.11	21.10	21.12	21.7	0.0		
40	PI2 BPSK	50	28	21.03	21.07	21.11	21.7	0.0		
40	PI2 BPSK	50	56	20.98	21.21	21.00		21.7	0.0	
40	PI2 BPSK	100	0	21.11	21.22	21.04				
40	QPSK	1	1	21.21	21.25	21.19				
40	QPSK	1	53	21.02	21.11	20.99	21.7	0.0		
40	QPSK	1	104	20.99	20.94	21.01				
40	QPSK	50	0	21.14	21.15	21.05	21.7	0.0		
40	QPSK	50	28	21.14	21.20	21.13	21.7	0.0		
40	QPSK	50	56	21.07	21.13	21.15	21.7	0.0		
40	QPSK	100	0	21.15	21.22	21.17				
40	16QAM	1	1	20.92	21.15	21.05	21.7	0.0		
40	64QAM	1	1	20.80	20.91	21.06	21.7	0.0		
40	256QAM	1	1	20.73	20.85	20.77	21.2	0.5		
Channel				517002	519000	520998	tune-up limit (dB)	MPR (dB)		
Frequency (MHz)				2585.01	2592	2604.99				
30	QPSK	1	1	20.95	21.16	20.95	21.7	0.0		
Channel				516504	519000	521496	tune-up limit (dB)	MPR (dB)		
Frequency (MHz)				2582.02	2595	2607.48				
25	QPSK	1	1	21.03	21.22	20.93	21.7	0.0		
Channel				516000	519000	522000	tune-up limit (dB)	MPR (dB)		
Frequency (MHz)				2590	2595	2610				
20	QPSK	1	1	21.15	21.05	21.05	21.7	0.0		
Channel				515502	519000	522498	tune-up limit (dB)	MPR (dB)		
Frequency (MHz)				2577.01	2592	2613.48				
15	QPSK	1	1	21.01	21.20	21.05	21.7	0.0		
Channel				515004	519000	522996	tune-up limit (dB)	MPR (dB)		
Frequency (MHz)				2575.02	2595	2614.98				
10	QPSK	1	1	20.99	21.24	20.96	21.7	0.0		

n41 Main PA Ant2 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				509002	518096	528000				
Frequency (MHz)				2546.01	2552.99	2640				
100	PI2 BPSK	1	1	20.42	20.75	20.62		21.2	0.0	
100	PI2 BPSK	1	137	20.42	20.65	20.62				
100	PI2 BPSK	1	271	20.54	20.51	20.43				
100	PI2 BPSK	135	0	20.67	20.76	20.90	21.2	0.0		
100	PI2 BPSK	135	69	20.62	20.58	20.66	21.2	0.0		
100	PI2 BPSK	135	138	20.57	20.44	20.50		21.2	0.0	
100	PI2 BPSK	270	0	20.66	20.87	20.84				
100	QPSK	1	1	20.91	20.89	20.88				
100	QPSK	1	137	20.64	20.75	20.61	21.2	0.0		
100	QPSK	1	271	20.64	20.71	20.50				
100	QPSK	135	0	20.75	20.74	20.71	21.2	0.0		
100	QPSK	135	69	20.68	20.84	20.74	21.2	0.0		
100	QPSK	135	138	20.72	20.73	20.67	21.2	0.0		
100	QPSK	270	0	20.71	20.82	20.76				
100	16QAM	1	1	20.53	20.76	20.47	21.2	0.0		
100	64QAM	1	1	20.55	20.59	20.63	21.2	0.0		
100	256QAM	1	1	20.80	20.79	20.83	21.2	0.0		
Channel				508000	518098	528996	tune-up limit (dB)	MPR		
Frequency (MHz)				2541	2552.99	2644.98				
90	QPSK	1	1	20.61	20.93	20.54	21.2	0.0		
Channel				507004	518096	529996	tune-up limit (dB)	MPR		
Frequency (MHz)				2536.02	2552.99	2640.99				
80	QPSK	1	1	20.49	20.92	20.65	21.2	0.0		
Channel				506002	518096	531000	tune-up limit (dB)	MPR		
Frequency (MHz)				2531.01	2552.99	2655				
70	QPSK	1	1	20.68	20.96	20.76	21.2	0.0		
Channel				505000	518098	531996	tune-up limit (dB)	MPR		
Frequency (MHz)				2525	2552.99	2659.98				
60	QPSK	1	1	20.68	20.84	20.60	21.2	0.0		
Channel				504004	518096	532996	tune-up limit (dB)	MPR		
Frequency (MHz)				2521.02	2552.99	2664.99				
50	QPSK	1	1	20.55	20.87	20.71	21.2	0.0		
Channel				503002	518096	534000	tune-up limit (dB)	MPR		
Frequency (MHz)				2516.01	2552.99	2670				
40	QPSK	1	1	20.64	20.88	20.76	21.2	0.0		
Channel				502000	518098	534996	tune-up limit (dB)	MPR		
Frequency (MHz)				2511	2552.99	2674.98				
30	QPSK	1	1	20.61	20.93	20.57	21.2	0.0		
Channel				501004	518096	535996	tune-up limit (dB)	MPR		
Frequency (MHz)				2506.02	2552.99	2679.99				
20	QPSK	1	1	20.62	20.89	20.67	21.2	0.0		
Channel				500000	518096	536996	tune-up limit (dB)	MPR		
Frequency (MHz)				2503.05	2552.99	2682.48				
15	QPSK	1	1	20.65	20.89	20.64	21.2	0.0		
Channel				500002	518098	537000	tune-up limit (dB)	MPR		
Frequency (MHz)				2501.01	2552.99	2685				
10	QPSK	1	1	20.51	20.86	20.76	21.2	0.0		

n7 Main PA Ant3 DSI1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	21.58	21.61	21.51		
50	PI2 BPSK	1	135	21.28	21.50	21.53	23.0	0.0
50	PI2 BPSK	1	268	21.28	21.32	21.17		
50	PI2 BPSK	135	0	21.31	21.52	21.44	23.0	0.0
50	PI2 BPSK	135	68	21.48	21.48	21.43	23.0	0.0
50	PI2 BPSK	135	135	21.44	21.65	21.45		
50	PI2 BPSK	270	0	21.50	21.48	21.54	23.0	0.0
50	QPSK	1	1	21.65	21.78	21.69		
50	QPSK	1	135	21.38	21.59	21.47	23.0	0.0
50	QPSK	1	268	21.35	21.59	21.48		
50	QPSK	135	0	21.47	21.57	21.49	23.0	0.0
50	QPSK	135	68	21.41	21.67	21.47	23.0	0.0
50	QPSK	135	135	21.63	21.58	21.59	23.0	0.0
50	QPSK	270	0	21.44	21.55	21.50		
50	16QAM	1	1	21.56	21.59	21.55	23.0	0.0
50	64QAM	1	1	20.93	20.97	20.93	21.5	1.5
50	256QAM	1	1	18.18	18.24	18.17	19.5	3.5
Channel				504000	507000	510000	tune-up limit (dB)	MPR
Frequency (MHz)				2502	2535	2550		
40	QPSK	1	1	21.44	21.34	21.59	23.0	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.45	21.53	21.44	23.0	0.0
Channel				502000	507000	511000	tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.52	21.54	21.56	23.0	0.0
Channel				502000	507000	512000	tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2534	2560		
20	QPSK	1	1	21.48	21.47	21.50	23.0	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.54	21.50	21.57	23.0	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.38	21.45	21.44	23.0	0.0
Channel				500500	507000	513500	tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2534	2561.5		
5	QPSK	1	1	21.47	21.52	21.63	23.0	0.0

n66 Main PA Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1737.5		
45	PI2 BPSK	1	1	21.67	21.71	21.62		
45	PI2 BPSK	1	120	21.60	21.63	21.59	23.5	0.0
45	PI2 BPSK	1	243	21.52	21.59	21.53		
45	PI2 BPSK	120	0	21.06	21.22	21.07	23.0	0.5
45	PI2 BPSK	120	60	21.59	21.70	21.58	23.5	0.0
45	PI2 BPSK	120	120	21.02	21.19	21.12	23.0	0.5
45	PI2 BPSK	240	0	21.16	21.28	21.06		
45	QPSK	1	1	21.70	21.75	21.68		
45	QPSK	1	120	21.58	21.70	21.64	23.5	0.0
45	QPSK	1	243	21.60	21.68	21.68		
45	QPSK	120	0	20.85	20.78	20.57	22.5	1.0
45	QPSK	120	60	21.56	21.67	21.53	23.5	0.0
45	QPSK	120	120	20.60	20.72	20.66	22.5	1.0
45	QPSK	240	0	20.71	20.83	20.70		
45	16QAM	1	1	20.53	20.72	20.52	22.5	1.0
45	64QAM	1	1	19.01	19.05	19.09	21.0	2.5
45	256QAM	1	1	17.19	17.23	17.14	19.0	4.5
Channel				346000	349000	352000	tune-up limit (dB)	MPR
Frequency (MHz)				1723	1745	1763		
40	QPSK	1	1	21.58	21.68	21.63	23.5	0.0
Channel				345500	349000	352500	tune-up limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.60	21.71	21.67	23.5	0.0
Channel				345000	349000	353000	tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.60	21.70	21.51	23.5	0.0
Channel				344500	349000	353500	tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1763.5		
25	QPSK	1	1	21.64	21.63	21.62	23.5	0.0
Channel				344000	349000	354000	tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.58	21.64	21.51	23.5	0.0
Channel				343500	349000	354500	tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.62	21.68	21.53	23.5	0.0
Channel				343000	349000	355000	tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.57	21.70	21.59	23.5	0.0
Channel				342500	349000	355500	tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.63	21.60	21.58	23.5	0.0

n38 Main PA Ant3 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519696			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	20.87	21.03	20.81			
40	PI2 BPSK	1	53	20.74	20.82	20.80	22.5		
40	PI2 BPSK	1	104	20.70	20.79	20.86			
40	PI2 BPSK	50	0	21.05	21.03	20.97	22.5		
40	PI2 BPSK	50	28	20.94	20.85	20.90	22.5		
40	PI2 BPSK	50	56	20.76	20.97	20.91			
40	PI2 BPSK	100	0	21.05	21.10	21.05	22.5		
40	QPSK	1	1	20.90	21.13	21.08			
40	QPSK	1	53	20.79	20.89	20.91	22.5		
40	QPSK	1	104	20.87	20.93	20.92			
40	QPSK	50	0	20.76	20.96	20.89	22.5		
40	QPSK	50	28	21.02	21.09	21.06	22.5		
40	QPSK	50	56	20.91	20.85	20.91	22.5		
40	QPSK	100	0	20.94	21.06	20.99			
40	16QAM	1	1	20.86	21.06	21.01	22.5		
40	64QAM	1	1	20.82	20.65	20.62	22.0		
40	256QAM	1	1	18.84	18.91	18.87	20.0		
Channel				517002	519000	520998	tune-up limit (dB)	MPR	
30	QPSK	1	1	20.77	20.90	20.83	22.5		
Channel				516504	519000	521496	tune-up limit (dB)	MPR	
25	QPSK	1	1	20.69	20.91	20.86	22.5		
Channel				516006	519000	522000	tune-up limit (dB)	MPR	
Frequency (MHz)				2590	2595	2599			
20	QPSK	1	1	20.66	21.12	20.85	22.5		
Channel				515502	519000	522498	tune-up limit (dB)	MPR	
Frequency (MHz)				2577.91	2595	2612.48			
15	QPSK	1	1	20.69	20.92	20.97	22.5		
Channel				515004	519000	522996	tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.83	20.93	20.99	22.5		

n41 Main PA Ant3 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Channel	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509002	518696	528000			
Frequency (MHz)				2546.01	2552.99	2640			
100	PI2 BPSK	1	1	20.85	21.12	20.85			
100	PI2 BPSK	1	137	20.85	20.75	20.75	22.5		
100	PI2 BPSK	1	271	20.70	20.85	20.84			
100	PI2 BPSK	135	0	21.07	20.97	21.07	22.5		
100	PI2 BPSK	135	69	21.01	20.76	20.91	22.5		
100	PI2 BPSK	135	138	20.72	21.03	20.87			
100	PI2 BPSK	270	0	21.17	21.07	21.15	22.5		
100	QPSK	1	1	20.97	21.19	20.99			
100	QPSK	1	137	20.73	20.80	20.86	22.5		
100	QPSK	1	271	20.99	20.91	20.94			
100	QPSK	135	0	20.70	20.86	20.83	22.5		
100	QPSK	135	69	21.02	21.08	20.96	22.5		
100	QPSK	135	138	20.94	20.88	20.88	22.5		
100	QPSK	270	0	20.92	20.99	20.92			
100	16QAM	1	1	20.97	20.97	21.08	22.5		
100	64QAM	1	1	20.56	20.58	20.55	22.0		
100	256QAM	1	1	18.79	18.86	18.80	20.0		
Channel				508000	518696	528996	tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2552.99	2644.98			
90	QPSK	1	1	20.85	21.02	20.85	22.5		
Channel				507004	518696	529996	tune-up limit (dB)	MPR	
Frequency (MHz)				2536.02	2552.99	2649.99			
80	QPSK	1	1	20.90	20.97	20.76	22.5		
Channel				506002	518696	531000	tune-up limit (dB)	MPR	
Frequency (MHz)				2531.91	2552.99	2595			
70	QPSK	1	1	20.80	20.97	20.99	22.5		
Channel				505000	518696	531996	tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2552.99	2604.98			
60	QPSK	1	1	20.76	21.08	20.76	22.5		
Channel				504004	518696	532996	tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2552.99	2604.99			
50	QPSK	1	1	20.79	21.06	20.84	22.5		
Channel				503002	518696	534000	tune-up limit (dB)	MPR	
Frequency (MHz)				2516.91	2552.99	2670			
40	QPSK	1	1	20.91	21.01	20.95	22.5		
Channel				502000	518696	534996	tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2552.99	2674.98			
30	QPSK	1	1	20.79	21.02	20.94	22.5		
Channel				501004	518696	535996	tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2552.99	2679.99			
20	QPSK	1	1	20.76	21.14	20.92	22.5		
Channel				500000	518696	536996	tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2552.99	2692.48			
15	QPSK	1	1	20.92	20.99	20.88	22.5		
Channel				500002	518696	537000	tune-up limit (dB)	MPR	
Frequency (MHz)				2501.91	2552.99	2695			
10	QPSK	1	1	20.75	20.97	20.94	22.5		

n7 Main PA Ant4 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	21.00	21.21	21.01			
50	PI2 BPSK	1	135	21.07	21.10	20.81	22.0	0.0	
50	PI2 BPSK	1	268	20.80	21.11	20.99			
50	PI2 BPSK	135	0	21.18	21.31	21.22	22.0	0.0	
50	PI2 BPSK	135	68	21.18	21.19	21.20	22.0	0.0	
50	PI2 BPSK	135	135	21.07	21.25	21.05	22.0	0.0	
50	PI2 BPSK	270	0	21.28	21.20	21.25			
50	QPSK	1	1	21.28	21.35	21.29			
50	QPSK	1	135	21.10	21.28	21.15	22.0	0.0	
50	QPSK	1	268	21.25	21.18	21.09			
50	QPSK	135	0	21.25	21.25	21.07	22.0	0.0	
50	QPSK	135	68	21.29	21.33	21.25	22.0	0.0	
50	QPSK	135	135	20.98	21.07	20.85	22.0	0.0	
50	QPSK	270	0	21.25	21.27	21.20			
50	16QAM	1	1	21.16	21.23	21.16	22.0	0.0	
50	64QAM	1	1	21.16	21.27	21.21	22.0	0.0	
50	256QAM	1	1	20.32	20.34	20.46	21.0	1.0	
Channel				504000	507000	510000	tune-up limit (dB)	MPR	
Frequency (MHz)				2502	2535	2550			
40	QPSK	1	1	21.05	21.25	21.21	22.0	0.0	
Channel				503000	507000	511000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.03	21.24	21.25	22.0	0.0	
Channel				502500	507000	511500	tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	21.04	21.10	21.21	22.0	0.0	
Channel				502000	507000	512000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2534	2560			
20	QPSK	1	1	20.96	21.13	21.15	22.0	0.0	
Channel				501500	507000	512500	tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.03	21.16	21.13	22.0	0.0	
Channel				501000	507000	513000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.02	21.22	21.17	22.0	0.0	
Channel				500500	507000	513500	tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2534	2567.5			
5	QPSK	1	1	21.10	21.27	21.20	22.0	0.0	

n66 Main PA Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1737.5			
45	PI2 BPSK	1	1	23.63	23.72	23.67			
45	PI2 BPSK	1	120	23.47	23.67	23.35	24.5	0.0	
45	PI2 BPSK	1	243	23.39	23.55	23.45			
45	PI2 BPSK	120	0	23.06	23.17	23.20	24.0	0.5	
45	PI2 BPSK	120	60	23.65	23.66	23.56	24.5	0.0	
45	PI2 BPSK	120	120	23.09	23.23	22.98	24.0	0.5	
45	PI2 BPSK	240	0	23.25	23.24	23.18			
45	QPSK	1	1	23.69	23.76	23.72			
45	QPSK	1	120	23.48	23.71	23.59	24.5	0.0	
45	QPSK	1	243	23.64	23.69	23.68			
45	QPSK	120	0	22.74	22.83	22.59	23.5	1.0	
45	QPSK	120	60	23.48	23.65	23.60	24.5	0.0	
45	QPSK	120	120	22.44	22.55	22.47	23.5	1.0	
45	QPSK	240	0	22.58	22.61	22.52			
45	16QAM	1	1	22.63	22.57	22.60	23.5	1.0	
45	64QAM	1	1	20.97	21.17	21.11	22.0	2.5	
45	256QAM	1	1	19.23	19.35	19.33	20.0	4.5	
Channel				346000	349000	352000	tune-up limit (dBm)	MPR	
Frequency (MHz)				1729	1745	1760			
40	QPSK	1	1	23.62	23.71	23.69	24.5	0.0	
Channel				345500	349000	352500	tune-up limit (dBm)	MPR	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	23.64	23.73	23.70	24.5	0.0	
Channel				345000	349000	353000	tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.60	23.63	23.62	24.5	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.68	23.72	23.65	24.5	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.57	23.69	23.60	24.5	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.54	23.62	23.59	24.5	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.58	23.70	23.58	24.5	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.55	23.72	23.68	24.5	0.0	

n38 Main PA Ant4 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519696			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	22.18	22.15	22.28			
40	PI2 BPSK	1	53	22.12	22.10	22.05	22.7	0.0	
40	PI2 BPSK	1	104	22.01	21.99	21.98			
40	PI2 BPSK	50	0	22.15	22.15	22.11	22.7	0.0	
40	PI2 BPSK	50	28	22.18	22.21	22.11	22.7	0.0	
40	PI2 BPSK	50	56	22.09	22.11	22.06			
40	PI2 BPSK	100	0	22.11	22.25	22.23	22.7	0.0	
40	QPSK	1	1	22.37	22.41	22.27			
40	QPSK	1	53	22.26	22.28	22.09	22.7	0.0	
40	QPSK	1	104	22.09	22.02	21.98			
40	QPSK	50	0	22.22	22.32	22.12	22.7	0.0	
40	QPSK	50	28	22.27	22.38	22.33	22.7	0.0	
40	QPSK	50	56	22.06	22.22	22.12	22.7	0.0	
40	QPSK	100	0	22.18	22.27	22.22			
40	16QAM	1	1	22.15	22.14	21.53	22.7	0.0	
40	64QAM	1	1	21.95	22.02	22.11	22.7	0.0	
40	256QAM	1	1	20.91	21.08	20.94	21.2	1.5	
Channel				517002	519000	520998	tune-up limit (dB)	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	22.13	22.27	22.21	22.7	0.0	
Channel				518504	519000	521496	tune-up limit (dB)	MPR	
Frequency (MHz)				2592.02	2595	2607.48			
25	QPSK	1	1	22.28	22.37	22.29	22.7	0.0	
Channel				518000	519000	522000	tune-up limit (dB)	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	22.18	22.26	22.06	22.7	0.0	
Channel				515502	519000	523498	tune-up limit (dB)	MPR	
Frequency (MHz)				2577.01	2595	2612.49			
15	QPSK	1	1	22.15	22.29	22.17	22.7	0.0	
Channel				515004	519000	523996	tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.22	22.29	22.10	22.7	0.0	

n41 Main PA Ant4 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Channel	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509502	518596	528000			
Frequency (MHz)				2546.01	2552.99	2640			
100	PI2 BPSK	1	1	21.90	21.69	21.77			
100	PI2 BPSK	1	137	21.76	21.62	21.62	22.2	0.0	
100	PI2 BPSK	1	271	21.63	21.56	21.56			
100	PI2 BPSK	135	0	21.83	21.81	21.81	22.2	0.0	
100	PI2 BPSK	135	69	21.92	21.80	21.85	22.2	0.0	
100	PI2 BPSK	135	138	21.69	21.74	21.67			
100	PI2 BPSK	270	0	21.78	21.90	21.85	22.2	0.0	
100	QPSK	1	1	21.92	21.96	21.89			
100	QPSK	1	137	21.89	21.86	21.64	22.2	0.0	
100	QPSK	1	271	21.70	21.68	21.72			
100	QPSK	135	0	21.90	21.89	21.75	22.2	0.0	
100	QPSK	135	69	21.79	21.91	21.83	22.2	0.0	
100	QPSK	135	138	21.66	21.75	21.81	22.2	0.0	
100	QPSK	270	0	21.72	21.80	21.77			
100	16QAM	1	1	21.74	21.80	21.48	22.2	0.0	
100	64QAM	1	1	21.70	21.72	21.76	22.2	0.0	
100	256QAM	1	1	21.13	21.19	21.11	21.2	1.0	
Channel				509500	518598	528996	tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2552.99	2644.98			
90	QPSK	1	1	21.80	21.75	21.64	22.2	0.0	
Channel				507204	518596	529996	tune-up limit (dB)	MPR	
Frequency (MHz)				2536.02	2552.99	2649.99			
80	QPSK	1	1	21.72	21.75	21.87	22.2	0.0	
Channel				505202	518596	531000	tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2552.99	2655			
70	QPSK	1	1	21.71	21.80	21.86	22.2	0.0	
Channel				505200	518598	531996	tune-up limit (dB)	MPR	
Frequency (MHz)				2525	2552.99	2659.98			
60	QPSK	1	1	21.70	21.85	21.80	22.2	0.0	
Channel				504204	518596	532996	tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2552.99	2664.99			
50	QPSK	1	1	21.84	21.95	21.74	22.2	0.0	
Channel				503202	518596	534000	tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2552.99	2670			
40	QPSK	1	1	21.94	21.81	21.90	22.2	0.0	
Channel				502200	518598	534996	tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2552.99	2674.98			
30	QPSK	1	1	21.90	21.89	21.70	22.2	0.0	
Channel				501204	518596	535996	tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2552.99	2679.99			
20	QPSK	1	1	21.71	21.74	21.77	22.2	0.0	
Channel				500700	518596	536996	tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2552.99	2682.48			
15	QPSK	1	1	21.73	21.90	21.79	22.2	0.0	
Channel				500202	518598	537000	tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2552.99	2685			
10	QPSK	1	1	21.75	21.83	21.90	22.2	0.0	

Part27O n77 Main PA Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	17.56	18.10	18.04		
100	PI2 BPSK	1	137	18.10	18.03	17.89	19.0	0.0
100	PI2 BPSK	1	271	17.90	17.89	17.78		
100	PI2 BPSK	135	0	17.86	17.84	17.91	19.0	0.0
100	PI2 BPSK	135	69	18.02	18.08	17.92	19.0	0.0
100	PI2 BPSK	135	138	17.93	17.96	17.82		
100	PI2 BPSK	270	0	17.84	18.04	17.92	19.0	0.0
100	QPSK	1	1	18.11	18.25	18.09		
100	QPSK	1	137	17.85	18.03	18.06	19.0	0.0
100	QPSK	1	271	18.91	18.07	18.11		
100	QPSK	135	0	17.74	17.99	17.93	19.0	0.0
100	QPSK	135	69	18.19	18.22	17.91	19.0	0.0
100	QPSK	135	138	17.90	17.82	17.86	19.0	0.0
100	QPSK	270	0	17.88	18.00	17.86	19.0	0.0
100	8QAM	1	1	17.99	17.86	17.96	19.0	0.0
100	8QAM	1	1	17.35	17.58	17.31	19.0	0.0
100	25QAM	1	1	17.93	18.15	17.83	19.0	0.0
Channel								
Frequency (MHz)				649668	650000	652334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	17.58	18.17	17.94	19.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	17.81	18.19	17.96	19.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	17.91	18.13	17.95	19.0	0.0
Channel								
Frequency (MHz)				648668	650000	653334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	17.85	18.13	17.89	19.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	17.77	18.13	17.83	19.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	17.82	18.17	17.84	19.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	17.62	18.06	18.03	19.0	0.0
Channel								
Frequency (MHz)				647500	650000	654500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	17.74	18.12	17.94	19.0	0.0
Channel								
Frequency (MHz)				647334	650000	646668	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	17.84	18.05	17.95	19.0	0.0
Channel								
Frequency (MHz)				647168	650000	654834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	17.77	18.11	17.93	19.0	0.0
Channel								
Frequency (MHz)				647000	650000	650000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	17.94	18.13	18.04	19.0	0.0

Part27O n77 PC2 Main PA Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.05	21.21	21.18		
100	PI2 BPSK	1	137	21.25	21.07	20.89	22.0	0.0
100	PI2 BPSK	1	271	21.11	20.99	20.98		
100	PI2 BPSK	135	0	20.94	21.05	21.04	22.0	0.0
100	PI2 BPSK	135	69	21.03	21.21	21.10	22.0	0.0
100	PI2 BPSK	135	138	20.99	20.96	20.81		
100	PI2 BPSK	270	0	20.99	21.03	21.10	22.0	0.0
100	QPSK	1	1	21.30	21.38	21.07		
100	QPSK	1	137	20.94	21.22	21.05	22.0	0.0
100	QPSK	1	271	21.16	21.21	21.23		
100	QPSK	135	0	20.83	21.00	20.94	22.0	0.0
100	QPSK	135	69	21.24	21.29	21.08	22.0	0.0
100	QPSK	135	138	20.99	21.04	20.97	22.0	0.0
100	QPSK	270	0	21.00	21.20	21.04	22.0	0.0
100	8QAM	1	1	20.85	20.96	21.15	22.0	0.0
100	8QAM	1	1	20.53	20.79	20.40	22.0	0.0
100	25QAM	1	1	20.55	20.67	20.53	21.5	0.5
Channel								
Frequency (MHz)				649668	650000	652334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	20.98	21.19	20.98	22.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	21.07	21.31	20.98	22.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	21.00	21.17	21.07	22.0	0.0
Channel								
Frequency (MHz)				648668	650000	653334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	21.03	21.33	21.02	22.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	20.97	21.28	21.08	22.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	20.94	21.20	20.94	22.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	21.01	21.25	21.04	22.0	0.0
Channel								
Frequency (MHz)				647500	650000	654500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	21.08	21.21	21.07	22.0	0.0
Channel								
Frequency (MHz)				647334	650000	646668	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	21.01	21.30	21.12	22.0	0.0
Channel								
Frequency (MHz)				647168	650000	654834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	21.07	21.22	20.97	22.0	0.0
Channel								
Frequency (MHz)				647000	650000	650000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	21.08	21.32	21.03	22.0	0.0

Part27Q n77 Main PA Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3533.34			
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		18.33		19.0	0.0
100	PI2 BPSK	1	271		18.24			
100	PI2 BPSK	135	0		17.83		19.0	0.0
100	PI2 BPSK	135	69		18.19		19.0	0.0
100	PI2 BPSK	135	138		18.06			
100	PI2 BPSK	270	0		18.00		19.0	0.0
100	QPSK	1	1		18.34			
100	QPSK	1	137		18.16		19.0	0.0
100	QPSK	1	271		18.03			
100	QPSK	135	0		18.11		19.0	0.0
100	QPSK	135	69		18.29		19.0	0.0
100	QPSK	135	138		17.86		19.0	0.0
100	QPSK	270	0		18.26		19.0	0.0
100	8QAM	1	1		18.05		19.0	0.0
100	8QAM	1	1		17.93		19.0	0.0
100	25QAM	1	1		18.15		19.0	0.0
Channel								
Frequency (MHz)				632000	633334	633668	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	18.23	18.27	18.22	19.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	18.18	18.26	18.02	19.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	18.19	18.16	18.08	19.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	18.18	18.25	18.03	19.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	18.25	18.18	18.20	19.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	18.24	18.15	18.11	19.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	18.25	18.31	18.19	19.0	0.0
Channel								
Frequency (MHz)				630668	633334	635999	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	18.24	18.17	18.16	19.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	18.14	18.20	18.21	19.0	0.0
Channel								
Frequency (MHz)				3455.01	3500.01	3545.01	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	18.15	18.20	18.23	19.0	0.0

Part27Q n77 PC2 Main PA Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	633334			
Frequency (MHz)				2122				
100	Pi2 BPSK	1	1	20.98			22.0	0.0
100	Pi2 BPSK	1	137	20.98				
100	Pi2 BPSK	1	271	20.99				
100	Pi2 BPSK	135	0	20.90			22.0	0.0
100	Pi2 BPSK	135	69	21.01			22.0	0.0
100	Pi2 BPSK	135	138	20.81			22.0	0.0
100	Pi2 BPSK	270	0	20.95				
100	QPSK	1	1	21.36				
100	QPSK	1	137	21.09			22.0	0.0
100	QPSK	1	271	21.03				
100	QPSK	135	0	20.89			22.0	0.0
100	QPSK	135	69	21.16			22.0	0.0
100	QPSK	135	138	20.93			22.0	0.0
100	QPSK	270	0	21.15			22.0	0.0
100	8QAM	1	1	20.75			22.0	0.0
100	8QAM	1	1	20.80			22.0	0.0
100	25QAM	1	1	20.71			21.5	0.5
Channel				633000	633334	633668	tune-up limit	MPR
Frequency (MHz)				3499	3500.01	3503.02	(dBm)	(dB)
90	QPSK	1	1	20.90	21.10	20.94	22.0	0.0
Channel				632668	633334	634000	tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	20.93	21.13	20.83	22.0	0.0
Channel				632334	633334	634334	tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	20.79	20.98	20.78	22.0	0.0
Channel				632000	633334	634668	tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3503.02	(dBm)	(dB)
60	QPSK	1	1	20.79	21.10	20.90	22.0	0.0
Channel				631668	633334	633000	tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.76	21.02	20.90	22.0	0.0
Channel				631334	633334	633334	tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.85	21.09	20.79	22.0	0.0
Channel				631000	633334	633668	tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3503.02	(dBm)	(dB)
30	QPSK	1	1	20.79	21.11	20.98	22.0	0.0
Channel				630634	633334	633834	tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3507.51	(dBm)	(dB)
25	QPSK	1	1	20.95	21.09	20.90	22.0	0.0
Channel				630300	633334	633000	tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.95	21.19	21.00	22.0	0.0
Channel				630000	633334	633668	tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3503.02	(dBm)	(dB)
15	QPSK	1	1	20.94	21.03	20.93	22.0	0.0
Channel				630334	633334	633334	tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3505.01	(dBm)	(dB)
10	QPSK	1	1	20.79	21.20	20.90	22.0	0.0

Part27O n78 Main PA Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1	17.24			18.0	0.0
100	Pi2 BPSK	1	137	17.23				
100	Pi2 BPSK	1	271	17.06				
100	Pi2 BPSK	135	0	17.12			18.0	0.0
100	Pi2 BPSK	135	69	17.12			18.0	0.0
100	Pi2 BPSK	135	138	17.08			18.0	0.0
100	Pi2 BPSK	270	0	17.22				
100	QPSK	1	1	17.32				
100	QPSK	1	137	17.17			18.0	0.0
100	QPSK	1	271	17.26				
100	QPSK	135	0	17.17			18.0	0.0
100	QPSK	135	69	17.24			18.0	0.0
100	QPSK	135	138	17.07			18.0	0.0
100	QPSK	270	0	17.24			18.0	0.0
100	8QAM	1	1	17.04			18.0	0.0
100	8QAM	1	1	16.72			18.0	0.0
100	25QAM	1	1	17.23			18.0	0.0
Channel				649668	650000	650334	tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	17.22	17.06	17.03	18.0	0.0
Channel				649334	650000	650668	tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	17.22	17.13	17.05	18.0	0.0
Channel				649000	650000	651000	tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	17.22	17.12	16.89	18.0	0.0
Channel				648668	650000	651334	tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3760.01	(dBm)	(dB)
60	QPSK	1	1	17.29	17.16	16.93	18.0	0.0
Channel				648334	650000	651668	tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	17.25	17.19	16.87	18.0	0.0
Channel				648000	650000	652000	tune-up limit	MPR
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)
40	QPSK	1	1	17.20	17.22	17.11	18.0	0.0
Channel				647668	650000	652334	tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	(dB)
30	QPSK	1	1	17.17	17.10	17.09	18.0	0.0
Channel				647300	650000	652500	tune-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	17.18	17.08	17.11	18.0	0.0
Channel				647334	650000	652668	tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	17.20	17.20	16.94	18.0	0.0
Channel				647168	650000	652834	tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3793.01	(dBm)	(dB)
15	QPSK	1	1	17.09	17.16	17.06	18.0	0.0
Channel				647000	650000	653000	tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	17.21	17.24	16.95	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1	20.13			21.0	0.0
100	Pi2 BPSK	1	137	20.30				
100	Pi2 BPSK	1	271	20.11				
100	Pi2 BPSK	135	0	20.24			21.0	0.0
100	Pi2 BPSK	135	69	20.27			21.0	0.0
100	Pi2 BPSK	135	138	20.12			21.0	0.0
100	Pi2 BPSK	270	0	20.19				
100	QPSK	1	1	20.31				
100	QPSK	1	137	20.21			21.0	0.0
100	QPSK	1	271	20.05				
100	QPSK	135	0	20.05			21.0	0.0
100	QPSK	135	69	20.25			21.0	0.0
100	QPSK	135	138	20.08			21.0	0.0
100	QPSK	270	0	20.19			21.0	0.0
100	8QAM	1	1	20.01			21.0	0.0
100	8QAM	1	1	20.02			21.0	0.0
100	25QAM	1	1	20.24			21.0	0.0
Channel				649668	650000	650334	tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	20.22	20.03	20.03	21.0	0.0
Channel				649334	650000	650668	tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	20.16	20.21	19.93	21.0	0.0
Channel				649000	650000	651000	tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.02	20.20	20.04	21.0	0.0
Channel				648668	650000	651334	tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3760.01	(dBm)	(dB)
60	QPSK	1	1	20.12	20.20	20.00	21.0	0.0
Channel				648334	650000	651668	tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	20.02	20.12	19.98	21.0	0.0
Channel				648000	650000	652000	tune-up limit	MPR
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)
40	QPSK	1	1	20.06	20.07	20.07	21.0	0.0
Channel				647668	650000	652334	tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	(dB)
30	QPSK	1	1	20.11	20.09	19.92	21.0	0.0
Channel				647300	650000	652500	tune-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	20.01	20.12	19.93	21.0	0.0

Part27Q n78 Main PA Ant5 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3000.01	18.0	0.0	
Frequency (MHz)				17.53					
100	PI2 BPSK	1	1	17.44					
100	PI2 BPSK	1	137	17.27					
100	PI2 BPSK	1	271	17.18			18.0	0.0	
100	PI2 BPSK	135	0	17.42					
100	PI2 BPSK	135	69	17.39					
100	PI2 BPSK	135	138	17.49					
100	PI2 BPSK	270	0	17.58			18.0	0.0	
100	QPSK	1	1	17.25					
100	QPSK	1	137	17.24					
100	QPSK	1	271	17.35					
100	QPSK	135	0	17.32			18.0	0.0	
100	QPSK	135	69	17.34					
100	QPSK	135	138	17.20					
100	QPSK	270	0	16.97					
100	16QAM	1	1	17.32			18.0	0.0	
100	64QAM	1	1	17.32					
100	256QAM	1	1	17.32					
Channel				633000	633334	633668	Turn-up limit (dB)	MPR	
Frequency (MHz)				3495	3000.01	3026.02			
90	QPSK	1	1	17.52	17.27	17.31	18.0	0.0	
Channel				632668	633334	634000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3000.01	3510			
80	QPSK	1	1	17.57	17.26	17.14	18.0	0.0	
Channel				632334	633334	634334	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3000.01	3515.01			
70	QPSK	1	1	17.35	17.23	17.27	18.0	0.0	
Channel				632000	633334	634668	Turn-up limit (dB)	MPR	
Frequency (MHz)				3480	3000.01	3520.02			
60	QPSK	1	1	17.41	17.20	17.23	18.0	0.0	
Channel				631668	633334	635000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3000.01	3525			
50	QPSK	1	1	17.49	17.26	17.27	18.0	0.0	
Channel				631334	633334	635334	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3000.01	3530.01			
40	QPSK	1	1	17.46	17.24	17.19	18.0	0.0	
Channel				631000	633334	635668	Turn-up limit (dB)	MPR	
Frequency (MHz)				3465	3000.01	3535.02			
30	QPSK	1	1	17.54	17.22	17.14	18.0	0.0	
Channel				630834	633334	635834	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3000.01	3537.51			
25	QPSK	1	1	17.56	17.24	17.13	18.0	0.0	
Channel				630668	633334	636000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3000.01	3540			
20	QPSK	1	1	17.52	17.16	17.22	18.0	0.0	
Channel				630500	633334	636168	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3000.01	3543.52			
15	QPSK	1	1	17.41	17.20	17.26	18.0	0.0	
Channel				630334	633334	636334	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3000.01	3545.01			
10	QPSK	1	1	17.39	17.34	17.12	18.0	0.0	

Part27Q n78 PC2 Main PA Ant5 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3000.01	21.0	0.0	
Frequency (MHz)				20.08					
100	PI2 BPSK	1	1	20.27					
100	PI2 BPSK	1	137	20.14					
100	PI2 BPSK	1	271	19.98			21.0	0.0	
100	PI2 BPSK	135	0	20.30					
100	PI2 BPSK	135	69	20.26					
100	PI2 BPSK	135	138	20.06					
100	PI2 BPSK	270	0	20.45			21.0	0.0	
100	QPSK	1	1	20.11					
100	QPSK	1	137	20.26					
100	QPSK	1	271	20.35					
100	QPSK	135	0	20.16			21.0	0.0	
100	QPSK	135	69	20.05					
100	QPSK	135	138	19.80					
100	QPSK	270	0	20.37					
100	16QAM	1	1	20.37			21.0	0.0	
100	64QAM	1	1	20.37					
100	256QAM	1	1	20.37					
Channel				633000	633334	633668	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3495	3000.01	3526.02			
90	QPSK	1	1	20.27	20.37	20.12	21.0	0.0	
Channel				632668	633334	634000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3000.01	3510			
80	QPSK	1	1	20.40	20.38	20.30	21.0	0.0	
Channel				632334	633334	634334	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3000.01	3515.01			
70	QPSK	1	1	20.30	20.27	20.31	21.0	0.0	
Channel				632000	633334	634668	Turn-up limit (dB)	MPR	
Frequency (MHz)				3480	3000.01	3520.02			
60	QPSK	1	1	20.33	20.23	20.24	21.0	0.0	
Channel				631668	633334	635000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3000.01	3525			
50	QPSK	1	1	20.20	20.32	20.20	21.0	0.0	
Channel				631334	633334	635334	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3000.01	3530.01			
40	QPSK	1	1	20.37	20.28	20.22	21.0	0.0	
Channel				631000	633334	635668	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3465	3000.01	3535.02			
30	QPSK	1	1	20.22	20.30	20.19	21.0	0.0	
Channel				630834	633334	635834	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3000.01	3537.51			
25	QPSK	1	1	20.23	20.26	20.27	21.0	0.0	
Channel				630668	633334	636000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3000.01	3540			
20	QPSK	1	1	20.25	20.30	20.17	21.0	0.0	
Channel				630500	633334	636168	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3000.01	3543.52			
15	QPSK	1	1	20.25	20.24	20.14	21.0	0.0	
Channel				630334	633334	636334	Turn-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3000.01	3545.01			
10	QPSK	1	1	20.22	20.28	20.26	21.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	17.60	17.67	17.41		
100	Pi2 BPSK	1	137	17.45	17.44	17.41	19.0	0.0
100	Pi2 BPSK	1	271	17.25	17.31	17.26		
100	Pi2 BPSK	135	0	17.45	17.57	17.38	19.0	0.0
100	Pi2 BPSK	135	69	17.39	17.49	17.36	19.0	0.0
100	Pi2 BPSK	135	138	17.35	17.37	17.31		
100	Pi2 BPSK	270	0	17.36	17.48	17.33	19.0	0.0
100	QPSK	1	1	17.57	17.69	17.50		
100	QPSK	1	137	17.55	17.52	17.54	19.0	0.0
100	QPSK	1	271	17.46	17.53	17.44		
100	QPSK	135	0	17.42	17.38	17.21	19.0	0.0
100	QPSK	135	69	17.58	17.61	17.57	19.0	0.0
100	QPSK	135	138	17.27	17.57	17.35	19.0	0.0
100	QPSK	270	0	17.38	17.53	17.42	19.0	0.0
100	8QAM	1	1	17.12	17.06	17.11	19.0	0.0
100	8QAM	1	1	17.13	17.15	17.16	19.0	0.0
100	25QAM	1	1	17.03	17.16	17.08	19.0	0.0
Channel								
Frequency (MHz)				649668	650000	652334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	17.50	17.52	17.37	19.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	17.52	17.66	17.41	19.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	17.49	17.50	17.40	19.0	0.0
Channel								
Frequency (MHz)				648668	650000	653334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	17.42	17.59	17.43	19.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	17.43	17.53	17.45	19.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	17.43	17.64	17.42	19.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	17.48	17.55	17.43	19.0	0.0
Channel								
Frequency (MHz)				647500	650000	654500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	17.54	17.52	17.32	19.0	0.0
Channel								
Frequency (MHz)				647334	650000	647668	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	17.39	17.58	17.44	19.0	0.0
Channel								
Frequency (MHz)				647168	650000	654834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	17.45	17.54	17.47	19.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	17.45	17.57	17.41	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	20.27	20.31	20.09		
100	Pi2 BPSK	1	137	20.22	20.27	20.15	22.0	0.0
100	Pi2 BPSK	1	271	20.05	20.13	20.04		
100	Pi2 BPSK	135	0	20.38	20.32	20.27	22.0	0.0
100	Pi2 BPSK	135	69	20.11	20.12	20.13	22.0	0.0
100	Pi2 BPSK	135	138	20.25	20.30	20.23		
100	Pi2 BPSK	270	0	20.15	20.31	20.27	22.0	0.0
100	QPSK	1	1	20.33	20.42	20.29		
100	QPSK	1	137	20.15	20.11	20.23	22.0	0.0
100	QPSK	1	271	20.26	20.26	20.26		
100	QPSK	135	0	20.10	20.23	20.03	22.0	0.0
100	QPSK	135	69	20.27	20.31	20.17	22.0	0.0
100	QPSK	135	138	20.05	20.20	20.25	22.0	0.0
100	QPSK	270	0	20.17	20.25	20.12	22.0	0.0
100	8QAM	1	1	20.16	20.26	20.22	22.0	0.0
100	8QAM	1	1	20.12	20.13	20.15	22.0	0.0
100	25QAM	1	1	20.12	20.10	20.03	22.0	0.0
Channel								
Frequency (MHz)				649668	650000	652334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	20.17	20.36	20.17	22.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	20.21	20.38	20.28	22.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	20.29	20.28	20.13	22.0	0.0
Channel								
Frequency (MHz)				648668	650000	653334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	20.14	20.29	20.15	22.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	20.22	20.32	20.25	22.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	20.30	20.38	20.17	22.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	20.30	20.35	20.23	22.0	0.0
Channel								
Frequency (MHz)				647500	650000	654500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	20.22	20.35	20.12	22.0	0.0
Channel								
Frequency (MHz)				647334	650000	647668	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	20.25	20.23	20.22	22.0	0.0
Channel								
Frequency (MHz)				647168	650000	654834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	20.26	20.39	20.25	22.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	20.14	20.27	20.13	22.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power [mW] Ch. 1 Freq.	Power [mW] Ch. 2 Freq.	Power [mW] Ch. 3 Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					635334				
100	Pi2 BPSK	1	1		17.69				
100	Pi2 BPSK	1	137		17.54		19.0	0.0	
100	Pi2 BPSK	1	271		17.41				
100	Pi2 BPSK	135	0		17.52		19.0	0.0	
100	Pi2 BPSK	135	69		17.51		19.0	0.0	
100	Pi2 BPSK	135	138		17.38				
100	Pi2 BPSK	270	0		17.63		19.0	0.0	
100	QPSK	1	1		17.74				
100	QPSK	1	137		17.58		19.0	0.0	
100	QPSK	1	271		17.73				
100	QPSK	135	0		17.32		19.0	0.0	
100	QPSK	135	69		17.60		19.0	0.0	
100	QPSK	135	138		17.49		19.0	0.0	
100	QPSK	270	0		17.50		19.0	0.0	
100	16QAM	1	1		17.23		19.0	0.0	
100	64QAM	1	1		17.13		19.0	0.0	
100	256QAM	1	1		17.24		19.0	0.0	
Channel									
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)	
90	QPSK	1	1		17.28	17.57	17.29	19.0	0.0
Channel									
Frequency (MHz)				633668	633334	634000	time-up limit (dB)	MPR (dB)	
80	QPSK	1	1		17.23	17.38	17.31	19.0	0.0
Channel									
Frequency (MHz)				633334	633334	633334	time-up limit (dB)	MPR (dB)	
70	QPSK	1	1		17.34	17.41	17.45	19.0	0.0
Channel									
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)	
60	QPSK	1	1		17.31	17.56	17.37	19.0	0.0
Channel									
Frequency (MHz)				633668	633334	635000	time-up limit (dB)	MPR (dB)	
50	QPSK	1	1		17.31	17.56	17.31	19.0	0.0
Channel									
Frequency (MHz)				633334	633334	633334	time-up limit (dB)	MPR (dB)	
40	QPSK	1	1		17.30	17.56	17.42	19.0	0.0
Channel									
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)	
30	QPSK	1	1		17.33	17.52	17.29	19.0	0.0
Channel									
Frequency (MHz)				633668	633334	635000	time-up limit (dB)	MPR (dB)	
20	QPSK	1	1		17.38	17.50	17.26	19.0	0.0
Channel									
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)	
15	QPSK	1	1		17.33	17.50	17.32	19.0	0.0
Channel									
Frequency (MHz)				633334	633334	633334	time-up limit (dB)	MPR (dB)	
10	QPSK	1	1		17.36	17.46	17.41	19.0	0.0

Part27Q n77 PC2 Main PA Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	633334			
Frequency (MHz)				20.54				
100	PI2 BPSK	1	1	20.46			22.0	0.0
100	PI2 BPSK	1	137	20.46				
100	PI2 BPSK	1	271	20.41				
100	PI2 BPSK	135	0	20.54			22.0	0.0
100	PI2 BPSK	135	69	20.29			22.0	0.0
100	PI2 BPSK	135	138	20.42				
100	PI2 BPSK	270	0	20.46			22.0	0.0
100	QPSK	1	1	20.59				
100	QPSK	1	137	20.38			22.0	0.0
100	QPSK	1	271	20.36				
100	QPSK	135	0	20.37			22.0	0.0
100	QPSK	135	69	20.52			22.0	0.0
100	QPSK	135	138	20.28			22.0	0.0
100	QPSK	270	0	20.49			22.0	0.0
100	8QAM	1	1	20.57			22.0	0.0
100	8QAM	1	1	20.14			22.0	0.0
100	25QAM	1	1	20.05			22.0	0.0
Channel				633000	633334	633668	time-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	20.48	20.44	20.24	22.0	0.0
Channel				632668	633334	634000	time-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	20.33	20.37	20.18	22.0	0.0
Channel				632334	633334	634334	time-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	20.48	20.37	20.33	22.0	0.0
Channel				632000	633334	634668	time-up limit	MPR
Frequency (MHz)				3480	3500.01	3510.02	(dBm)	(dB)
60	QPSK	1	1	20.39	20.43	20.20	22.0	0.0
Channel				631668	633334	635000	time-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.46	20.53	20.18	22.0	0.0
Channel				631334	633334	635334	time-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.49	20.50	20.15	22.0	0.0
Channel				631000	633334	635668	time-up limit	MPR
Frequency (MHz)				3465	3500.01	3515.02	(dBm)	(dB)
30	QPSK	1	1	20.46	20.41	20.22	22.0	0.0
Channel				630634	633334	636000	time-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	20.49	20.43	20.20	22.0	0.0
Channel				630300	633334	636334	time-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.38	20.53	20.23	22.0	0.0
Channel				630000	633334	636668	time-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	20.39	20.34	20.31	22.0	0.0
Channel				630334	633334	636334	time-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	20.41	20.36	20.19	22.0	0.0

Part27O n78 Main PA Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				18.00				
100	PI2 BPSK	1	1	17.95			19.0	0.0
100	PI2 BPSK	1	137	17.95				
100	PI2 BPSK	1	271	17.79				
100	PI2 BPSK	135	0	17.87			19.0	0.0
100	PI2 BPSK	135	69	18.00			19.0	0.0
100	PI2 BPSK	135	138	17.86				
100	PI2 BPSK	270	0	17.85			19.0	0.0
100	QPSK	1	1	18.15				
100	QPSK	1	137	17.91			19.0	0.0
100	QPSK	1	271	18.00				
100	QPSK	135	0	17.93			19.0	0.0
100	QPSK	135	69	17.98			19.0	0.0
100	QPSK	135	138	17.84			19.0	0.0
100	QPSK	270	0	17.92			19.0	0.0
100	8QAM	1	1	17.92			19.0	0.0
100	8QAM	1	1	17.46			19.0	0.0
100	25QAM	1	1	17.07			19.0	0.0
Channel				649668	650000	650334	time-up limit	MPR
Frequency (MHz)				3743.02	3750	3753.01	(dBm)	(dB)
90	QPSK	1	1	17.09	18.00	17.73	19.0	0.0
Channel				649334	650000	650668	time-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	17.84	18.01	17.77	19.0	0.0
Channel				649000	650000	651000	time-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	17.87	17.83	17.78	19.0	0.0
Channel				648668	650000	651334	time-up limit	MPR
Frequency (MHz)				3730.02	3750	3760.01	(dBm)	(dB)
60	QPSK	1	1	17.09	17.96	17.75	19.0	0.0
Channel				648334	650000	651668	time-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	17.89	17.90	17.74	19.0	0.0
Channel				648000	650000	652000	time-up limit	MPR
Frequency (MHz)				3720	3750	3790	(dBm)	(dB)
40	QPSK	1	1	17.72	17.87	17.80	19.0	0.0
Channel				647668	650000	652334	time-up limit	MPR
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	(dB)
30	QPSK	1	1	17.45	17.49	17.72	19.0	0.0
Channel				647000	650000	652500	time-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	17.73	17.80	17.71	19.0	0.0
Channel				646334	650000	652834	time-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	17.79	17.96	17.74	19.0	0.0
Channel				647168	650000	652834	time-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	17.00	17.81	17.70	19.0	0.0
Channel				647000	650000	653000	time-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	17.76	17.85	17.82	19.0	0.0

Part27O n78 PC2 Main PA Ant6 DSI1

BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				20.84				
100	PI2 BPSK	1	1	20.74			22.0	0.0
100	PI2 BPSK	1	137	20.74				
100	PI2 BPSK	1	271	20.77				
100	PI2 BPSK	135	0	20.80			22.0	0.0
100	PI2 BPSK	135	69	20.59			22.0	0.0
100	PI2 BPSK	135	138	20.77				
100	PI2 BPSK	270	0	20.80			22.0	0.0
100	QPSK	1	1	21.00				
100	QPSK	1	137	20.93			22.0	0.0
100	QPSK	1	271	20.76				
100	QPSK	135	0	20.75			22.0	0.0
100	QPSK	135	69	20.91			22.0	0.0
100	QPSK	135	138	20.75			22.0	0.0
100	QPSK	270	0	20.82			22.0	0.0
100	16QAM	1	1	20.73			22.0	0.0
100	64QAM	1	1	20.36			22.0	0.0
100	256QAM	1	1	20.37			22.0	0.0
Channel				649668	650000	650334	time-up limit	MPR
Frequency (MHz)				3743.02	3750	3753.01	(dBm)	(dB)
90	QPSK	1	1	20.96	20.94	20.87	22.0	0.0
Channel				649334	650000	650668	time-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	20.78	20.85	20.79	22.0	0.0
Channel				649000	650000	651000	time-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.97	20.11	20.66	22.0	0.0
Channel				648668	650000	651334	time-up limit	MPR
Frequency (MHz)				3730.02	3750	3760.01	(dBm)	(dB)
60	QPSK	1	1	20.79	20.16	20.77	22.0	0.0
Channel				648334	650000	651668	time-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	20.99	20.98	20.80	22.0	0.0
Channel				648000	650000	652000	time-up limit	MPR
Frequency (MHz)				3720	3750	3790	(dBm)	(dB)
40	QPSK	1	1	20.90	20.86	20.73	22.0	0.0
Channel				647668	650000	652334	time-up limit	MPR
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	(dB)
30	QPSK	1	1	20.19	20.80	20.82	22.0	0.0
Channel				647000	650000	652500	time-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	20.92	20.98	20.81	22.0	0.0
Channel				647334	650000	652668	time-up limit	MPR
Frequency (MHz)				3710.01	3750	3785.02	(dBm)	(dB)
20	QPSK	1	1	20.98	20.97	20.86	22.0	0.0
Channel				647668	650000	652684	time-up limit	MPR
Frequency (MHz)				3710.50	3750	3782.51	(dBm)	(dB)
17.5	QPSK	1	1	20.82	20.99	20.73	22.0	0.0
Channel				647000	650000	652636	time-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
16	QPSK	1	1	20.90	20.97	20.73	22.0	0.0

Part27Q n78 Main PA Ant6 DSI1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			19.0	0.0
Frequency (MHz)				3000.01				
100	PI2 BPSK	1	1	17.59				
100	PI2 BPSK	1	137	17.91				
100	PI2 BPSK	1	271	17.81				
100	PI2 BPSK	135	0	17.86			19.0	0.0
100	PI2 BPSK	135	69	17.95			19.0	0.0
100	PI2 BPSK	135	138	17.98			19.0	0.0
100	PI2 BPSK	270	0	17.85			19.0	0.0
100	QPSK	1	1	18.10			19.0	0.0
100	QPSK	1	137	18.00				
100	QPSK	1	271	17.94				
100	QPSK	135	0	18.02				
100	QPSK	135	69	18.06				
100	QPSK	135	138	17.70			19.0	0.0
100	QPSK	270	0	17.82			19.0	0.0
100	16QAM	1	1	17.66			19.0	0.0
100	64QAM	1	1	17.54			19.0	0.0
100	256QAM	1	1	17.59			19.0	0.0
Channel				633000	633334	633668	turn-up limit (dB)	MPR
Frequency (MHz)				3449	3000.01	3006.02	(dB)	
90	QPSK	1	1	18.08	18.00	17.90	19.0	0.0
Channel				632668	633334	634000	turn-up limit (dB)	MPR
Frequency (MHz)				3490.02	3000.01	3510	(dB)	
80	QPSK	1	1	18.08	17.93	17.82	19.0	0.0
Channel				632334	633334	634334	turn-up limit (dB)	MPR
Frequency (MHz)				3485.01	3000.01	3515.01	(dB)	
70	QPSK	1	1	18.02	17.90	17.92	19.0	0.0
Channel				632000	633334	634668	turn-up limit (dB)	MPR
Frequency (MHz)				3450	3000.01	3520.02	(dB)	
60	QPSK	1	1	18.02	17.90	17.83	19.0	0.0
Channel				631668	633334	635000	turn-up limit (dB)	MPR
Frequency (MHz)				3475.02	3000.01	3525	(dB)	
50	QPSK	1	1	17.95	17.83	18.01	19.0	0.0
Channel				631334	633334	635334	turn-up limit (dB)	MPR
Frequency (MHz)				3470.01	3000.01	3530.01	(dB)	
40	QPSK	1	1	18.05	18.07	17.83	19.0	0.0
Channel				631000	633334	635668	turn-up limit (dB)	MPR
Frequency (MHz)				3462	3000.01	3535.02	(dB)	
30	QPSK	1	1	18.01	18.02	17.90	19.0	0.0
Channel				630834	633334	635834	turn-up limit (dB)	MPR
Frequency (MHz)				3462.51	3000.01	3537.51	(dB)	
25	QPSK	1	1	18.06	17.93	17.78	19.0	0.0
Channel				630500	633334	636000	turn-up limit (dB)	MPR
Frequency (MHz)				3490.02	3000.01	3540	(dB)	
20	QPSK	1	1	18.05	18.08	17.96	19.0	0.0
Channel				630500	633334	636168	turn-up limit (dB)	MPR
Frequency (MHz)				3492.5	3000.01	3542.52	(dB)	
15	QPSK	1	1	17.95	17.90	17.89	19.0	0.0
Channel				630334	633334	636334	turn-up limit (dB)	MPR
Frequency (MHz)				3495.01	3000.01	3545.01	(dB)	
10	QPSK	1	1	18.03	18.06	18.01	19.0	0.0

Part27Q n78 PC2 Main PA Ant6 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633334			22.0	0.0		
Frequency (MHz)				3000.01						
100	PI2 BPSK	1	1	21.01						
100	PI2 BPSK	1	137	20.89						
100	PI2 BPSK	1	271	20.93						
100	PI2 BPSK	135	0	21.02			22.0	0.0		
100	PI2 BPSK	135	69	21.00			22.0	0.0		
100	PI2 BPSK	135	138	21.04			22.0	0.0		
100	PI2 BPSK	270	0	21.04			22.0	0.0		
100	QPSK	1	1	21.21			22.0	0.0		
100	QPSK	1	137	21.06						
100	QPSK	1	271	21.06						
100	QPSK	135	0	21.08						
100	QPSK	135	69	21.13						
100	QPSK	135	138	21.03			22.0	0.0		
100	QPSK	270	0	21.06			22.0	0.0		
100	16QAM	1	1	20.73			22.0	0.0		
100	64QAM	1	1	20.33			22.0	0.0		
100	256QAM	1	1	20.41			22.0	0.0		
Channel				633000	633334	633668	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3450	3000.01	3020.02	(dB)			
90	QPSK	1	1	21.02	21.04	20.99	22.0	0.0		
Channel				632668	633334	634000	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3490.02	3000.01	3510	(dB)			
80	QPSK	1	1	21.01	21.09	20.96	22.0	0.0		
Channel				632334	633334	634334	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3485.01	3000.01	3515.01	(dB)			
70	QPSK	1	1	21.01	21.19	20.94	22.0	0.0		
Channel				632000	633334	634668	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3450	3000.01	3520.02	(dB)			
60	QPSK	1	1	21.14	21.20	21.10	22.0	0.0		
Channel				631668	633334	635000	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3475.02	3000.01	3525	(dB)			
50	QPSK	1	1	21.11	21.00	20.98	22.0	0.0		
Channel				631334	633334	635334	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3470.01	3000.01	3530.01	(dB)			
40	QPSK	1	1	21.05	21.18	21.08	22.0	0.0		
Channel				631000	633334	635668	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3450	3000.01	3535.02	(dB)			
30	QPSK	1	1	21.14	21.15	21.08	22.0	0.0		
Channel				630834	633334	635834	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3462.51	3000.01	3537.51	(dB)			
25	QPSK	1	1	21.14	21.18	20.99	22.0	0.0		
Channel				630500	633334	636000	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3490.02	3000.01	3540	(dB)			
20	QPSK	1	1	21.13	21.07	21.05	22.0	0.0		
Channel				630500	633334	636168	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3492.5	3000.01	3542.52	(dB)			
15	QPSK	1	1	21.12	21.13	20.98	22.0	0.0		
Channel				630334	633334	636334	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3495.01	3000.01	3545.01	(dB)			
10	QPSK	1	1	21.02	21.17	20.95	22.0	0.0		

Part27O n77 Main PA Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq.	Power Middle Ch. F Freq.	Power High Ch. F Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3700	3840	3930		
100	Pi2 BPSK	1	1	16.16	16.38	16.33		
100	Pi2 BPSK	1	137	16.08	16.37	16.25	18.0	0.0
100	Pi2 BPSK	1	271	16.08	16.25	16.17		
100	Pi2 BPSK	135	0	16.30	16.16	16.10	18.0	0.0
100	Pi2 BPSK	135	69	16.33	16.34	16.30	18.0	0.0
100	Pi2 BPSK	135	138	16.13	16.22	16.06		
100	Pi2 BPSK	270	0	16.20	16.25	16.24	18.0	0.0
100	QPSK	1	1	16.22	16.46	16.31		
100	QPSK	1	137	16.10	16.25	16.24	18.0	0.0
100	QPSK	1	271	16.10	16.31	16.14		
100	QPSK	135	0	16.17	16.23	16.31	18.0	0.0
100	QPSK	135	69	16.28	16.38	16.32	18.0	0.0
100	QPSK	135	138	16.19	16.18	16.12	18.0	0.0
100	QPSK	270	0	16.27	16.32	16.15	18.0	0.0
100	8QAM	1	1	16.16	16.26	16.15	18.0	0.0
100	8QAM	1	1	16.16	16.14	16.18	18.0	0.0
100	25QAM	1	1	16.14	16.39	16.43	18.0	0.0
Channel								
Frequency (MHz)				649668	656000	662334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	16.05	16.13	16.11	18.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	16.19	16.23	16.13	18.0	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	16.10	16.16	16.25	18.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	16.05	16.21	16.31	18.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	16.10	16.24	16.26	18.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	16.11	16.10	16.27	18.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	16.08	16.06	16.21	18.0	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	16.02	16.05	16.21	18.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	16.03	16.19	16.16	18.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	16.14	16.23	16.15	18.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	16.15	16.05	16.13	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq.	Power Middle Ch. F Freq.	Power High Ch. F Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3700	3840	3930		
100	Pi2 BPSK	1	1	19.22	19.22	19.17		
100	Pi2 BPSK	1	137	19.17	19.22	19.28	21.0	0.0
100	Pi2 BPSK	1	271	19.14	19.19	19.17		
100	Pi2 BPSK	135	0	19.14	19.23	19.28	21.0	0.0
100	Pi2 BPSK	135	69	19.19	19.31	19.05	21.0	0.0
100	Pi2 BPSK	135	138	19.33	19.19	19.34		
100	Pi2 BPSK	270	0	19.10	19.22	19.28	21.0	0.0
100	QPSK	1	1	19.23	19.36	19.13		
100	QPSK	1	137	19.16	19.26	19.11	21.0	0.0
100	QPSK	1	271	19.05	19.23	19.21		
100	QPSK	135	0	19.23	19.20	19.23	21.0	0.0
100	QPSK	135	69	19.12	19.34	19.21	21.0	0.0
100	QPSK	135	138	19.12	19.12	19.14	21.0	0.0
100	QPSK	270	0	19.04	19.27	19.17	21.0	0.0
100	8QAM	1	1	19.16	19.26	19.34	21.0	0.0
100	8QAM	1	1	19.07	19.23	19.30	21.0	0.0
100	25QAM	1	1	19.26	19.34	19.30	21.0	0.0
Channel								
Frequency (MHz)				649668	656000	662334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	19.20	19.16	19.03	21.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	19.19	19.28	19.12	21.0	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	19.18	19.28	19.12	21.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	19.18	19.25	19.06	21.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	19.35	19.35	19.02	21.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	19.24	19.24	19.06	21.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	19.28	19.12	19.05	21.0	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	19.26	19.21	19.03	21.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	19.08	19.19	19.10	21.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	19.11	19.25	19.16	21.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	19.23	19.30	19.06	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq.	Power Middle Ch. F Freq.	Power High Ch. F Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1		16.49			
100	Pi2 BPSK	1	137		16.38		18.0	0.0
100	Pi2 BPSK	1	271		16.31			
100	Pi2 BPSK	135	0		16.22		18.0	0.0
100	Pi2 BPSK	135	69		16.34		18.0	0.0
100	Pi2 BPSK	135	138		16.16		18.0	0.0
100	Pi2 BPSK	270	0		16.24		18.0	0.0
100	QPSK	1	1		16.51			
100	QPSK	1	137		16.35		18.0	0.0
100	QPSK	1	271		16.52			
100	QPSK	135	0		16.13		18.0	0.0
100	QPSK	135	69		16.39		18.0	0.0
100	QPSK	135	138		16.30		18.0	0.0
100	QPSK	270	0		16.22		18.0	0.0
100	8QAM	1	1		16.21		18.0	0.0
100	8QAM	1	1		16.20		18.0	0.0
100	25QAM	1	1		16.32		18.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	16.12	16.26	16.37	18.0	0.0
Channel								
Frequency (MHz)				633668	633334	634000	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	16.22	16.24	16.31	18.0	0.0
Channel								
Frequency (MHz)				634000	633334	634334	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	16.17	16.28	16.42	18.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	16.21	16.22	16.48	18.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	16.06	16.11	16.02	18.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	16.14	16.27	16.30	18.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	16.19	16.23	16.45	18.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	16.16	16.38	16.42	18.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	16.20	16.20	16.45	18.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	16.15	16.36	16.30	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	633334			
Frequency (MHz)				19.24				
100	Pi2 BPSK	1	1	19.14			21.0	0.0
100	Pi2 BPSK	1	137	19.17				
100	Pi2 BPSK	1	271	19.19				
100	Pi2 BPSK	135	0	19.19			21.0	0.0
100	Pi2 BPSK	135	69	19.29			21.0	0.0
100	Pi2 BPSK	135	138	19.16				
100	Pi2 BPSK	270	0	19.20			21.0	0.0
100	QPSK	1	1	19.43				
100	QPSK	1	137	19.16			21.0	0.0
100	QPSK	1	271	19.24				
100	QPSK	135	0	19.22			21.0	0.0
100	QPSK	135	69	19.26			21.0	0.0
100	QPSK	135	138	19.12			21.0	0.0
100	QPSK	270	0	19.24				
100	8QAM	1	1	19.37			21.0	0.0
100	8QAM	1	1	19.26			21.0	0.0
100	25QAM	1	1	19.16			21.0	0.0
Channel				633000	633334	633668	time-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.30	19.12	19.07	21.0	0.0
Channel				632668	633334	634000	time-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.34	19.08	19.10	21.0	0.0
Channel				632334	633334	634334	time-up limit (dBm)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.34	19.05	19.14	21.0	0.0
Channel				632000	633334	634668	time-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3510.02		
60	QPSK	1	1	19.37	19.08	19.14	21.0	0.0
Channel				631668	633334	635000	time-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.32	19.07	19.03	21.0	0.0
Channel				631334	633334	635334	time-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.38	19.05	19.05	21.0	0.0
Channel				631000	633334	635668	time-up limit (dBm)	MPR
Frequency (MHz)				19.33	19.10	19.14	21.0	0.0
30	QPSK	1	1	19.33	19.10	19.14	21.0	0.0
Channel				630834	633334	635834	time-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.24	19.07	19.19	21.0	0.0
Channel				630568	633334	636000	time-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.22	19.14	19.01	21.0	0.0
Channel				630500	633334	636168	time-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.5		
15	QPSK	1	1	19.29	19.12	19.14	21.0	0.0
Channel				630334	633334	636334	time-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.27	19.05	19.11	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				16.79				
100	Pi2 BPSK	1	1	16.79			18.0	0.0
100	Pi2 BPSK	1	137	16.84				
100	Pi2 BPSK	1	271	16.84				
100	Pi2 BPSK	135	0	16.72			18.0	0.0
100	Pi2 BPSK	135	69	16.73			18.0	0.0
100	Pi2 BPSK	135	138	16.56				
100	Pi2 BPSK	270	0	16.61			18.0	0.0
100	QPSK	1	1	16.93				
100	QPSK	1	137	16.71			18.0	0.0
100	QPSK	1	271	16.82				
100	QPSK	135	0	16.84			18.0	0.0
100	QPSK	135	69	16.87			18.0	0.0
100	QPSK	135	138	16.69			18.0	0.0
100	QPSK	270	0	16.80				
100	8QAM	1	1	16.84			18.0	0.0
100	8QAM	1	1	16.41			18.0	0.0
100	25QAM	1	1	16.75			18.0	0.0
Channel				649668	650000	650334	time-up limit (dBm)	MPR
Frequency (MHz)				3743.02	3750	3763.01		
90	QPSK	1	1	16.12	16.03	16.59	18.0	0.0
Channel				649334	650000	650668	time-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.73	16.71	16.68	18.0	0.0
Channel				649000	650000	651000	time-up limit (dBm)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.70	16.81	16.57	18.0	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR
Frequency (MHz)				3731.02	3750	3761.01		
60	QPSK	1	1	16.14	16.02	16.70	18.0	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR
Frequency (MHz)				3726.01	3750	3775.02		
50	QPSK	1	1	16.75	16.90	16.58	18.0	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3790		
40	QPSK	1	1	16.82	16.71	16.70	18.0	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR
Frequency (MHz)				3713.02	3750	3763.01		
30	QPSK	1	1	16.70	16.69	16.76	18.0	0.0
Channel				647500	650000	652500	time-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.78	16.74	16.73	18.0	0.0
Channel				647334	650000	652668	time-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.85	16.82	16.69	18.0	0.0
Channel				647168	650000	652834	time-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.72	16.74	16.62	18.0	0.0
Channel				647000	650000	653000	time-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.76	16.77	16.71	18.0	0.0

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BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				1	16.87			
100	Pi2 BPSK	1	1	16.87			21.0	0.0
100	Pi2 BPSK	1	137	16.85				
100	Pi2 BPSK	1	271	16.87				
100	Pi2 BPSK	135	0	16.82			21.0	0.0
100	Pi2 BPSK	135	69	16.80			21.0	0.0
100	Pi2 BPSK	135	138	16.57				
100	Pi2 BPSK	270	0	16.81			21.0	0.0
100	QPSK	1	1	16.97				
100	QPSK	1	137	16.78			21.0	0.0
100	QPSK	1	271	16.84				
100	QPSK	135	0	16.89			21.0	0.0
100	QPSK	135	69	16.87			21.0	0.0
100	QPSK	135	138	16.74			21.0	0.0
100	QPSK	270	0	16.83				
100	16QAM	1	1	16.89			21.0	0.0
100	64QAM	1	1	16.92			21.0	0.0
100	256QAM	1	1	16.92			21.0	0.0
Channel				649668	650000	650334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3750	3763.01		
90	QPSK	1	1	16.66	16.86	16.74	21.0	0.0
Channel				649334	650000	650668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.80	16.92	16.66	21.0	0.0
Channel				649000	650000	651000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.76	16.86	16.77	21.0	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3731.02	3750	3761.01		
60	QPSK	1	1	16.69	16.77	16.78	21.0	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3726.01	3750	3775.02		
50	QPSK	1	1	16.68	16.77	16.85	21.0	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3722.5	3750	3790		
40	QPSK	1	1	16.85	16.93	16.77	21.0	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3750	3763.01		
30	QPSK	1	1	16.81	16.76	16.71	21.0	0.0
Channel				647500	650000	652500	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.85	16.75	16.86	21.0	0.0
Channel				647334	650000	652668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3785.02		
20	QPSK	1	1	16.82	16.86	16.86	21.0	0.0
Channel				647168	650000	652834	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3782.51		
15	QPSK	1	1	16.71	16.92	16.73	21.0	0.0
Channel				647000	650000	653000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.66	16.91	16.76	21.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3000.01				
100	PI2 BPSK	1	1	17.08				
100	PI2 BPSK	1	137	17.11			18.0	0.0
100	PI2 BPSK	1	271	16.98				
100	PI2 BPSK	135	0	16.93			18.0	0.0
100	PI2 BPSK	135	69	17.15			18.0	0.0
100	PI2 BPSK	135	138	16.79			18.0	0.0
100	PI2 BPSK	270	0	16.92			18.0	0.0
100	QPSK	1	1	17.35				
100	QPSK	1	137	16.91			18.0	0.0
100	QPSK	1	271	17.24				
100	QPSK	135	0	17.00			18.0	0.0
100	QPSK	135	69	17.17			18.0	0.0
100	QPSK	135	138	17.06			18.0	0.0
100	QPSK	270	0	17.08			18.0	0.0
100	16QAM	1	1	17.03			18.0	0.0
100	64QAM	1	1	16.73			18.0	0.0
100	256QAM	1	1	17.12			18.0	0.0
Channel				633000	633334	633668	turn-up limit (dB)	MPR
Frequency (MHz)				3495	3000.01	3020.02		
90	QPSK	1	1	17.15	17.25	17.14	18.0	0.0
Channel				632668	633334	634000	turn-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3000.01	3510		
80	QPSK	1	1	17.05	17.10	17.05	18.0	0.0
Channel				632334	633334	634334	turn-up limit (dB)	MPR
Frequency (MHz)				3485.01	3000.01	3515.01		
70	QPSK	1	1	17.21	17.29	17.06	18.0	0.0
Channel				632000	633334	634668	turn-up limit (dB)	MPR
Frequency (MHz)				3480	3000.01	3520.02		
60	QPSK	1	1	17.25	17.20	17.19	18.0	0.0
Channel				631668	633334	635000	turn-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3000.01	3525		
50	QPSK	1	1	17.18	17.21	17.18	18.0	0.0
Channel				631334	633334	635334	turn-up limit (dB)	MPR
Frequency (MHz)				3470.01	3000.01	3530.01		
40	QPSK	1	1	17.08	17.21	17.20	18.0	0.0
Channel				631000	633334	635668	turn-up limit (dB)	MPR
Frequency (MHz)				3465	3000.01	3535.02		
30	QPSK	1	1	17.02	17.23	17.02	18.0	0.0
Channel				630834	633334	635834	turn-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3000.01	3537.51		
25	QPSK	1	1	17.13	17.28	17.22	18.0	0.0
Channel				630668	633334	636000	turn-up limit (dB)	MPR
Frequency (MHz)				3460.02	3000.01	3540		
20	QPSK	1	1	17.10	17.15	16.99	18.0	0.0
Channel				630500	633334	636168	turn-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3000.01	3543.52		
15	QPSK	1	1	17.15	17.27	17.05	18.0	0.0
Channel				630334	633334	636334	turn-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3000.01	3545.01		
10	QPSK	1	1	17.09	17.32	17.14	18.0	0.0

Part27Q n78 PC2 Main PA Ant7 DSI1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3000.01				
100	PI2 BPSK	1	1	19.27				
100	PI2 BPSK	1	137	19.92			21.0	0.0
100	PI2 BPSK	1	271	19.97				
100	PI2 BPSK	135	0	19.99			21.0	0.0
100	PI2 BPSK	135	69	19.95			21.0	0.0
100	PI2 BPSK	135	138	19.74			21.0	0.0
100	PI2 BPSK	270	0	19.99			21.0	0.0
100	QPSK	1	1	20.06				
100	QPSK	1	137	19.80			21.0	0.0
100	QPSK	1	271	19.88				
100	QPSK	135	0	19.95			21.0	0.0
100	QPSK	135	69	19.98			21.0	0.0
100	QPSK	135	138	19.85			21.0	0.0
100	QPSK	270	0	19.90			21.0	0.0
100	16QAM	1	1	19.74			21.0	0.0
100	64QAM	1	1	19.58			21.0	0.0
100	256QAM	1	1	19.88			21.0	0.0
Channel				633000	633334	633668	turn-up limit (dBm)	MPR
Frequency (MHz)				3495	3000.01	3020.02		
90	QPSK	1	1	19.87	19.94	19.86	21.0	0.0
Channel				632668	633334	634000	turn-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3000.01	3510		
80	QPSK	1	1	19.89	19.77	19.83	21.0	0.0
Channel				632334	633334	634334	turn-up limit (dB)	MPR
Frequency (MHz)				3485.01	3000.01	3515.01		
70	QPSK	1	1	19.76	19.82	19.96	21.0	0.0
Channel				632000	633334	634668	turn-up limit (dB)	MPR
Frequency (MHz)				3480	3000.01	3520.02		
60	QPSK	1	1	19.86	19.85	19.83	21.0	0.0
Channel				631668	633334	635000	turn-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3000.01	3525		
50	QPSK	1	1	19.85	19.94	19.98	21.0	0.0
Channel				631334	633334	635334	turn-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3000.01	3530.01		
40	QPSK	1	1	19.81	19.85	19.97	21.0	0.0
Channel				631000	633334	635668	turn-up limit (dB)	MPR
Frequency (MHz)				3465	3000.01	3535.02		
30	QPSK	1	1	19.87	19.81	19.84	21.0	0.0
Channel				630834	633334	635834	turn-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3000.01	3537.51		
25	QPSK	1	1	19.89	19.90	19.81	21.0	0.0
Channel				630668	633334	636000	turn-up limit (dB)	MPR
Frequency (MHz)				3460.02	3000.01	3540		
20	QPSK	1	1	19.85	19.83	19.81	21.0	0.0
Channel				630500	633334	636168	turn-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3000.01	3543.52		
15	QPSK	1	1	19.81	19.87	19.96	21.0	0.0
Channel				630334	633334	636334	turn-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3000.01	3545.01		
10	QPSK	1	1	19.85	19.94	19.95	21.0	0.0

DSI 3 Power for FR1 Main PA

n5 Main PA Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839	25.5	0.0
Frequency (MHz)				24.48	24.57	24.51		
20	PI/2 BPSK	1	1	24.41	24.51	24.38		
20	PI/2 BPSK	1	53	24.33	24.46	24.39		
20	PI/2 BPSK	1	104	24.16	24.21	24.15	25.0	0.5
20	PI/2 BPSK	50	28	24.54	24.59	24.51	25.5	0.0
20	PI/2 BPSK	50	56	24.12	24.21	24.17	25.0	0.5
20	PI/2 BPSK	100	0	24.13	24.18	24.10	25.5	0.0
20	QPSK	1	1	24.52	24.63	24.48		
20	QPSK	1	53	24.43	24.53	24.41		
20	QPSK	1	104	24.37	24.46	24.33		
20	QPSK	50	0	23.65	23.71	23.61	24.5	1.0
20	QPSK	50	28	24.56	24.61	24.54	25.5	0.0
20	QPSK	50	56	23.49	23.62	23.53	24.5	1.0
20	QPSK	100	0	23.60	23.66	23.52		
20	16QAM	1	1	23.28	23.34	23.31	24.5	1.0
20	64QAM	1	1	21.84	21.93	21.83	23.0	2.5
20	256QAM	1	1	20.66	20.69	20.61	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.48	24.53	24.44	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.55	24.59	24.40	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.50	24.57	24.49	25.5	0.0

n5 Main PA Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	838		
20	PI2 BPSK	1	1	23.59	23.68	23.55		
20	PI2 BPSK	1	53	23.61	23.66	23.55	25.5	0.0
20	PI2 BPSK	1	104	23.56	23.61	23.57		
20	PI2 BPSK	50	0	23.23	23.31	23.22	25.0	0.5
20	PI2 BPSK	50	28	23.58	23.65	23.58	25.5	0.0
20	PI2 BPSK	50	56	23.20	23.27	23.14	25.0	0.5
20	PI2 BPSK	100	0	23.20	23.33	23.25		
20	QPSK	1	1	23.68	23.73	23.64		
20	QPSK	1	53	23.53	23.65	23.55	25.5	0.0
20	QPSK	1	104	23.80	23.86	23.54		
20	QPSK	50	0	22.68	22.83	22.75	24.5	1.0
20	QPSK	50	28	23.56	23.66	23.60	25.5	0.0
20	QPSK	50	56	22.84	22.77	22.70	24.5	1.0
20	QPSK	100	0	22.76	22.81	22.52		
20	8QAM	1	1	22.57	22.64	22.52	24.5	1.0
20	8QAM	1	1	21.15	21.29	21.22	23.0	2.5
20	25QAM	1	1	19.58	19.72	19.62	21.0	4.5
Channel				166300	167300	168300	tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	833.5	835.5		
15	QPSK	1	1	23.51	23.62	23.56	25.5	0.0
Channel				165800	167300	168800	tune-up limit (dBm)	MPR
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.56	23.63	23.58	25.5	0.0
Channel				165300	167300	168300	tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.52	23.66	23.63	25.5	0.0

n7 Main PA Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506000	507000	508000		
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.19	23.32	23.15		
50	PI2 BPSK	1	135	23.14	23.20	23.17	24.0	0.0
50	PI2 BPSK	1	268	23.16	23.19	23.06		
50	PI2 BPSK	135	0	22.82	22.98	22.88	23.5	0.5
50	PI2 BPSK	135	68	23.23	23.29	23.15	24.0	0.0
50	PI2 BPSK	135	135	22.83	22.89	22.87	23.5	0.5
50	PI2 BPSK	270	0	22.84	22.95	22.84		
50	QPSK	1	1	23.27	23.33	23.25		
50	QPSK	1	135	23.06	23.19	23.13	24.0	0.0
50	QPSK	1	268	23.07	23.16	23.13		
50	QPSK	135	0	22.37	22.36	22.36	23.0	1.0
50	QPSK	135	68	23.17	23.26	23.21	24.0	0.0
50	QPSK	135	135	22.24	22.31	22.25	23.0	1.0
50	QPSK	270	0	22.28	22.40	22.31		
50	16QAM	1	1	22.02	22.06	22.00	23.0	1.0
50	16QAM	1	1	20.53	20.59	20.48	21.5	2.5
50	25QAM	1	1	19.27	19.34	19.20	19.5	4.5
Channel				504000	507000	510000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.20	23.18	23.18	24.0	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.17	23.26	23.10	24.0	0.0
Channel				502500	507000	511500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5 <td>2535</td> <td>2557.5</td> <td></td> <td></td>	2535	2557.5		
25	QPSK	1	1	23.17	23.19	23.10	24.0	0.0
Channel				502000	507000	512000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510 <td>2535</td> <td>2560</td> <td></td> <td></td>	2535	2560		
20	QPSK	1	1	23.16	23.29	23.16	24.0	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5 <td>2535</td> <td>2562.5</td> <td></td> <td></td>	2535	2562.5		
15	QPSK	1	1	23.15	23.30	23.11	24.0	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505 <td>2535</td> <td>2565</td> <td></td> <td></td>	2535	2565		
10	QPSK	1	1	23.22	23.22	23.21	24.0	0.0
Channel				500500	507000	513500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5 <td>2535</td> <td>2567.5</td> <td></td> <td></td>	2535	2567.5		
5	QPSK	1	1	23.17	23.28	23.10	24.0	0.0

n66 Main PA Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				#DIVVI	#DIVVI	#DIVVI		
Frequency (MHz)				22.5	22.5	22.5		
45	P2 BPSK	1	1	22.19	22.24	22.15		
45	P2 BPSK	1	120	22.10	22.18	22.06	24.0	0.0
45	P2 BPSK	1	243	22.11	22.13	22.09		
45	P2 BPSK	120	0	21.78	21.86	21.79	23.5	0.5
45	P2 BPSK	120	60	22.17	22.24	22.08	24.0	0.0
45	P2 BPSK	120	120	21.74	21.79	21.84	23.5	0.5
45	P2 BPSK	240	0	21.78	21.80	21.76		
45	QPSK	1	1	22.24	22.30	22.20		
45	QPSK	1	120	22.05	22.14	22.10	24.0	0.0
45	QPSK	1	243	22.13	22.16	22.07		
45	QPSK	120	0	21.27	21.29	21.24	23.0	1.0
45	QPSK	120	60	22.17	22.22	22.19	24.0	0.0
45	QPSK	120	120	21.06	21.19	21.13	23.0	1.0
45	QPSK	240	0	21.14	21.21	21.16		
45	16QAM	1	1	21.09	21.18	21.13	23.0	1.0
45	64QAM	1	1	19.73	19.81	19.81	21.5	2.5
45	256QAM	1	1	18.20	18.27	18.20	19.5	4.5
Channel				349000	349000	352000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1740	1745	1760		
40	QPSK	1	1	22.09	22.11	22.08	24.5	0.0
Channel				348500	349000	352500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	22.10	22.21	22.17	24.0	0.0
Channel				348000	349000	353000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.19	22.25	22.14	24.0	0.0
Channel				347500	349000	353500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.12	22.19	22.17	24.0	0.0
Channel				347000	349000	354000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.14	22.21	22.13	24.0	0.0
Channel				346500	349000	354500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.09	22.19	22.08	24.0	0.0
Channel				346000	349000	355000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.13	22.19	22.06	24.0	0.0
Channel				345500	349000	355500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.15	22.22	22.10	24.0	0.0

n38 Main PA Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq.	Power Mid Ch. F. Freq.	Power High Ch. F. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	23.84	23.85	23.77	25.0	0.0	
40	PI2 BPSK	1	53	23.68	23.83	23.70			
40	PI2 BPSK	1	104	23.55	23.71	23.56			
40	PI2 BPSK	50	0	23.37	23.42	23.27	24.5	0.5	
40	PI2 BPSK	50	28	23.81	23.83	23.74	25.0	0.0	
40	PI2 BPSK	50	56	23.27	23.39	23.26	24.5	0.5	
40	PI2 BPSK	100	0	23.29	23.39	23.37			
40	QPSK	1	1	23.80	23.91	23.81	25.0	0.0	
40	QPSK	1	53	23.78	23.87	23.80			
40	QPSK	1	104	23.80	23.75	23.62			
40	QPSK	50	0	22.74	22.94	22.83	24.0	1.0	
40	QPSK	50	28	23.72	23.87	23.76	25.0	0.0	
40	QPSK	50	56	22.79	22.91	22.86	24.0	1.0	
40	QPSK	100	0	22.89	23.00	22.92			
40	16QAM	1	1	22.72	22.90	22.86	24.0	1.0	
40	64QAM	1	1	21.15	21.30	21.24	22.5	2.5	
40	256QAM	1	1	19.34	19.41	19.43	20.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	517002	518000	520998	tune-up limit (dBm)	MPR	
				2562.02	2595	2604.98	25.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	518504	519000	521496	tune-up limit (dBm)	MPR	
				2562.52	2595	2607.48	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	519502	519000	522498	tune-up limit (dBm)	MPR	
				2567.01	2595	2612.99	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	520500	519000	523498	tune-up limit (dBm)	MPR	
				2572.01	2595	2614.99	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	521504	518000	524996	tune-up limit (dBm)	MPR	
				2576.02	2595	2614.98	25.0	0.0	

n41 Main PA Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.68	23.54	23.81	25.0	0.0	
100	PI2 BPSK	1	137	23.78	23.87	23.81			
100	PI2 BPSK	1	271	23.60	23.75	23.64			
100	PI2 BPSK	135	0	23.43	23.47	23.37	24.5	0.5	
100	PI2 BPSK	135	69	23.89	23.93	23.80	25.0	0.0	
100	PI2 BPSK	135	138	23.34	23.46	23.38	24.5	0.5	
100	PI2 BPSK	270	0	23.40	23.51	23.45			
100	QPSK	1	1	23.93	23.98	23.89	25.0	0.0	
100	QPSK	1	137	23.84	23.93	23.87			
100	QPSK	1	271	23.75	23.86	23.75			
100	QPSK	135	0	22.87	22.98	22.87	24.0	1.0	
100	QPSK	135	69	23.78	23.92	23.85	25.0	0.0	
100	QPSK	135	138	22.88	22.97	22.90	24.0	1.0	
100	QPSK	270	0	22.94	23.07	23.01			
100	8QAM	1	1	22.80	22.95	22.91	24.0	1.0	
100	8QAM	1	1	21.28	21.34	21.30	22.5	2.5	
100	25QAM	1	1	19.43	19.56	19.48	20.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	508200	518598	528998	tune-up limit (dBm)	MPR	
				2541	2592.99	2644.99	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	507204	518598	529998	tune-up limit (dBm)	MPR	
				2536.02	2592.99	2649.99	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	506202	518598	531996	tune-up limit (dBm)	MPR	
				2531.01	2592.99	2655	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	505200	518598	531996	tune-up limit (dBm)	MPR	
				2526	2592.99	2659.99	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	504204	518598	532998	tune-up limit (dBm)	MPR	
				2521.02	2592.99	2664.99	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	503202	518598	534000	tune-up limit (dBm)	MPR	
				2516.01	2592.99	2670	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	502200	518598	534996	tune-up limit (dBm)	MPR	
				2511	2592.99	2674.99	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	501204	518598	535998	tune-up limit (dBm)	MPR	
				2506.02	2592.99	2679.99	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	500202	518598	537000	tune-up limit (dBm)	MPR	
				2501.01	2592.99	2685	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	499200	518598	538000	tune-up limit (dBm)	MPR	
				2496	2592.99	2690	25.0	0.0	

Part270 n77 Main PA Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3750	3840	3930	22.0	0.0	
100	PI2 BPSK	1	137	20.51	20.62	20.55			
100	PI2 BPSK	1	271	20.48	20.61	20.49			
100	PI2 BPSK	135	0	20.40	20.53	20.29	22.0	0.0	
100	PI2 BPSK	135	69	20.54	20.65	20.59	22.0	0.0	
100	PI2 BPSK	135	138	20.46	20.45	20.30	22.0	0.0	
100	PI2 BPSK	270	0	20.45	20.47	20.40			
100	QPSK	1	1	20.56	20.67	20.54	22.0	0.0	
100	QPSK	1	137	20.49	20.54	20.45			
100	QPSK	1	271	20.57	20.58	20.58			
100	QPSK	135	0	20.43	20.51	20.43	22.0	0.0	
100	QPSK	135	69	20.49	20.63	20.55	22.0	0.0	
100	QPSK	135	138	20.38	20.44	20.50	22.0	0.0	
100	QPSK	270	0	20.50	20.56	20.46			
100	16QAM	1	1	20.28	20.26	20.27	22.0	0.0	
100	8QAM	1	1	20.04	20.01	20.01	22.0	0.0	
100	25QAM	1	1	19.87	19.07	19.80	20.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	649668	650000	662334	tune-up limit (dBm)	MPR	
				3743.02	3840	3935.01	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	648334	650000	660668	tune-up limit (dBm)	MPR	
				3740.01	3840	3940.02	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	647668	650000	663334	tune-up limit (dBm)	MPR	
				3743.02	3840	3923.01	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	646334	650000	664668	tune-up limit (dBm)	MPR	
				3740.01	3840	3940.02	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	645000	650000	666000	tune-up limit (dBm)	MPR	
				3743.02	3840	3940.02	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	643668	650000	668334	tune-up limit (dBm)	MPR	
				3740.01	3840	3940.02	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	642334	650000	670668	tune-up limit (dBm)	MPR	
				3715.02	3840	3965.01	22.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	642000	650000	672000	tune-up limit (dBm)	MPR	
				3712.5	3840	3967.5	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	641334	650000	674668	tune-up limit (dBm)	MPR	
				3710.02	3840	3970.02	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	641000	650000	676000	tune-up limit (dBm)	MPR	
				3707.52	3840	3972.51	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	640334	650000	678668	tune-up limit (dBm)	MPR	
				3705	3840	3975	22.0	0.0	

Part27O n77 PC2 Main PA Ant1

BW [MHz]	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)				3700	3840	3930		
100	PI2 BPSK	1	1	23.45	23.61	23.53		
100	PI2 BPSK	1	137	23.44	23.49	23.41	25.0	0.0
100	PI2 BPSK	1	271	23.34	23.42	23.26		
100	PI2 BPSK	135	0	22.96	23.08	22.96	24.5	0.5
100	PI2 BPSK	135	69	23.33	23.46	23.45	25.0	0.0
100	PI2 BPSK	135	138	22.84	23.03	22.87		
100	PI2 BPSK	270	0	23.02	23.11	23.01	24.5	0.5
100	QPSK	1	1	23.59	23.65	23.56		
100	QPSK	1	137	23.45	23.49	23.44	25.0	0.0
100	QPSK	1	271	23.45	23.53	23.42		
100	QPSK	135	0	22.40	22.50	22.43	24.0	1.0
100	QPSK	135	69	23.47	23.59	23.36	25.0	0.0
100	QPSK	135	138	22.36	22.46	22.41	24.0	1.0
100	QPSK	270	0	22.50	22.53	22.45		
100	8QAM	1	1	22.15	22.16	22.11	24.0	1.0
100	8QAM	1	1	20.54	20.52	20.56	22.5	2.5
100	25QAM	1	1	18.86	18.83	18.64	20.5	4.5
Channel								
Frequency (MHz)				649668	656000	662334	tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	23.50	23.54	23.52	25.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	23.51	23.54	23.46	25.0	0.0
Channel								
Frequency (MHz)				649000	656000	662000	tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	23.55	23.57	23.42	25.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	23.54	23.54	23.43	25.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	23.54	23.58	23.53	25.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	23.44	23.53	23.47	25.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	23.54	23.51	23.49	25.0	0.0
Channel								
Frequency (MHz)				647500	656000	664500	tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	23.46	23.50	23.48	25.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	23.44	23.54	23.49	25.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834	tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	23.52	23.52	23.43	25.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	23.48	23.62	23.41	25.0	0.0

Part27Q n77 Main PA Ant1

BW [MHz]	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	PI2 BPSK	1	1		20.83			
100	PI2 BPSK	1	137		20.73		22.0	0.0
100	PI2 BPSK	1	271		20.59			
100	PI2 BPSK	135	0		20.68		22.0	0.0
100	PI2 BPSK	135	69		20.81		22.0	0.0
100	PI2 BPSK	135	138		20.65			
100	PI2 BPSK	270	0		20.63		22.0	0.0
100	QPSK	1	1		20.86			
100	QPSK	1	137		20.69		22.0	0.0
100	QPSK	1	271		20.76			
100	QPSK	135	0		20.04		22.0	0.0
100	QPSK	135	69		20.80		22.0	0.0
100	QPSK	135	138		20.63		22.0	0.0
100	QPSK	270	0		20.70		22.0	0.0
100	8QAM	1	1		20.43		22.0	0.0
100	8QAM	1	1		20.23		22.0	0.0
100	25QAM	1	1		19.21		20.5	1.5
Channel								
Frequency (MHz)				633000	633334	633668	tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	20.70	20.76	20.64	22.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	20.74	20.74	20.73	22.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	20.73	20.76	20.71	22.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	20.77	20.63	20.74	22.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	20.76	20.73	20.65	22.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	20.80	20.82	20.71	22.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	20.68	20.63	20.65	22.0	0.0
Channel								
Frequency (MHz)				630834	633334	635834	tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	20.75	20.76	20.68	22.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	20.75	20.76	20.65	22.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	20.79	20.72	20.69	22.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	20.74	20.75	20.62	22.0	0.0

Part27Q n77 PC2 Main PA Ant1

BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					635334			
100	PI2 BPSK	1	1		22.89			
100	PI2 BPSK	1	137		23.82		25.0	0.0
100	PI2 BPSK	1	271		23.75			
100	PI2 BPSK	135	0		23.39		24.5	0.5
100	PI2 BPSK	135	69		23.80		25.0	0.0
100	PI2 BPSK	135	138		23.35			
100	PI2 BPSK	270	0		23.47		24.5	0.5
100	QPSK	1	1		23.98			
100	QPSK	1	137		23.80		25.0	0.0
100	QPSK	1	271		23.85			
100	QPSK	135	0		22.81		24.0	1.0
100	QPSK	135	69		22.80		25.0	0.0
100	QPSK	135	138		22.83		24.0	1.0
100	QPSK	270	0		22.88			
100	16QAM	1	1		22.74		24.0	1.0
100	64QAM	1	1		20.77		22.5	2.5
100	256QAM	1	1		19.19		20.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668	tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.83	23.87	23.76	25.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.87	23.90	23.82	25.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.83	23.92	23.73	25.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.85	23.88	23.80	25.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.90	23.89	23.78	25.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.91	23.91	23.81	25.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.89	23.94	23.83	25.0	0.0
Channel								
Frequency (MHz)				630834	633334	635834	tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	23.85	23.87	23.83	25.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.87	23.91	23.79	25.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.82	23.90	23.73	25.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.88	23.80	23.84	25.0	0.0

Part270 n78 Main PA Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.16		23.0	0.0	
100	PI2 BPSK	1	137		22.05				
100	PI2 BPSK	1	271		22.03				
100	PI2 BPSK	135	0		21.95		23.0	0.0	
100	PI2 BPSK	135	69		22.19		23.0	0.0	
100	PI2 BPSK	135	138		21.97		23.0	0.0	
100	PI2 BPSK	270	0		22.03		23.0	0.0	
100	QPSK	1	1		22.22		23.0	0.0	
100	QPSK	1	137		22.05				
100	QPSK	1	271		22.03				
100	QPSK	135	0		22.07		23.0	0.0	
100	QPSK	135	69		22.13		23.0	0.0	
100	QPSK	135	138		21.99		23.0	0.0	
100	QPSK	270	0		22.10		23.0	0.0	
100	16QAM	1	1		22.00		23.0	0.0	
100	64QAM	1	1		21.99		23.0	0.0	
100	256QAM	1	1		20.97		21.5	1.5	
Channel				649698	650000	650334	tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)		
90	QPSK	1	1		22.08	22.16	22.05	23.0	0.0
Channel				649334	650000	650666	tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)		
80	QPSK	1	1		22.09	22.16	21.99	23.0	0.0
Channel				649000	650000	651000	tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1		22.10	22.09	21.99	23.0	0.0
Channel				648668	650000	651334	tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)		
60	QPSK	1	1		22.04	22.15	22.02	23.0	0.0
Channel				648334	650000	651668	tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)		
50	QPSK	1	1		22.04	22.19	22.07	23.0	0.0
Channel				647990	650000	652000	tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1		22.04	22.16	22.00	23.0	0.0
Channel				647698	650000	652334	tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3790.01	(dBm)		
30	QPSK	1	1		22.14	22.06	21.97	23.0	0.0
Channel				647500	650000	652500	tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	1		22.06	22.11	22.04	23.0	0.0
Channel				647334	650000	652668	tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)		
20	QPSK	1	1		22.06	22.12	22.05	23.0	0.0
Channel				647198	650000	652834	tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)		
15	QPSK	1	1		22.04	22.16	22.03	23.0	0.0
Channel				647000	650000	653000	tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1		22.08	22.08	21.98	23.0	0.0

Part270 n78 PC2 Main PA Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1		25.07		26.0		0.0
100	PI2 BPSK	1	137		25.02				
100	PI2 BPSK	1	271		24.96				
100	PI2 BPSK	135	0		24.70		25.5	0.5	
100	PI2 BPSK	135	69		24.99		26.0	0.0	
100	PI2 BPSK	135	138		24.50		25.5	0.5	
100	PI2 BPSK	270	0		24.54				
100	QPSK	1	1		25.11		26.0		0.0
100	QPSK	1	137		25.01				
100	QPSK	1	271		25.04				
100	QPSK	135	0		24.02		25.0	1.0	
100	QPSK	135	69		25.09		26.0	0.0	
100	QPSK	135	138		24.05		25.0	1.0	
100	QPSK	270	0		23.99				
100	16QAM	1	1		24.07		25.0	1.0	
100	64QAM	1	1		22.20		23.5	2.5	
100	256QAM	1	1		20.88		21.5	4.5	
Channel				649698	650000	650334	tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)		
90	QPSK	1	1		25.01	24.98	25.00	26.0	0.0
Channel				649334	650000	650666	tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)		
80	QPSK	1	1		25.04	24.99	24.90	26.0	0.0
Channel				649000	650000	651000	tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1		24.98	25.03	24.98	26.0	0.0
Channel				648668	650000	651334	tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)		
60	QPSK	1	1		24.93	24.98	24.95	26.0	0.0
Channel				648334	650000	651668	tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)		
50	QPSK	1	1		25.03	24.98	24.93	26.0	0.0
Channel				648000	650000	652000	tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1		24.94	25.05	24.94	26.0	0.0
Channel				647698	650000	652334	tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3795.01	(dBm)		
30	QPSK	1	1		24.97	25.06	24.98	26.0	0.0
Channel				647500	650000	652500	tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	1		24.94	24.99	24.99	26.0	0.0
Channel				647334	650000	652668	tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)		
20	QPSK	1	1		24.94	24.98	24.88	26.0	0.0
Channel				647198	650000	652834	tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)		
15	QPSK	1	1		25.02	24.99	24.96	26.0	0.0
Channel				647000	650000	653000	tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1		25.02	25.05	24.94	26.0	0.0

Part27Q n78 Main PA Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3500.01				
Frequency (MHz)					22.25				
100	Pi/2 BPSK	1	1		22.21		23.0	0.0	
100	Pi/2 BPSK	1	137		22.27				
100	Pi/2 BPSK	1	271		22.17				
100	Pi/2 BPSK	135	0		22.09		23.0	0.0	
100	Pi/2 BPSK	135	69		22.27		23.0	0.0	
100	Pi/2 BPSK	135	138		22.10		23.0	0.0	
100	Pi/2 BPSK	270	0		22.09		23.0	0.0	
100	QPSK	1	1		22.30				
100	QPSK	1	137		22.19		23.0	0.0	
100	QPSK	1	271		22.17				
100	QPSK	135	0		22.16		23.0	0.0	
100	QPSK	135	69		22.23		23.0	0.0	
100	QPSK	135	138		22.07		23.0	0.0	
100	QPSK	270	0		22.19		23.0	0.0	
100	16QAM	1	1		22.08		23.0	0.0	
100	64QAM	1	1		21.65		23.0	0.0	
100	256QAM	1	1		20.68		21.5	1.5	
Channel					633000	633334	633668	tune-up limit (dB)	MPR
Frequency (MHz)					3486	3500.01	3503.02		
90	QPSK	1	1		22.08	22.17	22.20	23.0	0.0
Channel					632668	633334	634000	tune-up limit (dBm)	MPR
Frequency (MHz)					3490.02	3500.01	3510		
80	QPSK	1	1		22.13	22.25	22.11	23.0	0.0
Channel					632334	633334	634334	tune-up limit (dBm)	MPR
Frequency (MHz)					3485.01	3500.01	3515.01		
70	QPSK	1	1		22.13	22.16	22.19	23.0	0.0
Channel					632000	633334	634668	tune-up limit (dB)	MPR
Frequency (MHz)					3490	3500.01	3503.02		
60	QPSK	1	1		22.14	22.27	22.17	23.0	0.0
Channel					631668	633334	635000	tune-up limit (dBm)	MPR
Frequency (MHz)					3475.02	3500.01	3525		
50	QPSK	1	1		22.08	22.24	22.10	23.0	0.0
Channel					631334	633334	635334	tune-up limit (dBm)	MPR
Frequency (MHz)					3470.01	3500.01	3530.01		
40	QPSK	1	1		22.12	22.22	22.18	23.0	0.0
Channel					631000	633334	635668	tune-up limit (dB)	MPR
Frequency (MHz)					3465	3500.01	3503.02		
30	QPSK	1	1		22.05	22.21	22.17	23.0	0.0
Channel					630634	633334	635834	tune-up limit (dBm)	MPR
Frequency (MHz)					3462.51	3500.01	3537.51		
25	QPSK	1	1		22.17	22.27	22.13	23.0	0.0
Channel					630300	633334	636000	tune-up limit (dB)	MPR
Frequency (MHz)					3460.02	3500.01	3540		
20	QPSK	1	1		22.10	22.17	22.10	23.0	0.0
Channel					630500	633334	636168	tune-up limit (dB)	MPR
Frequency (MHz)					3457.3	3500.01	3542.32		
15	QPSK	1	1		22.11	22.15	22.13	23.0	0.0
Channel					630334	633334	636334	tune-up limit (dBm)	MPR
Frequency (MHz)					3455.01	3500.01	3545.01		
10	QPSK	1	1		22.10	22.20	22.14	23.0	0.0

Part27Q n78 PC2 Main PA Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3500.01				
Frequency (MHz)					24.97				
100	Pi/2 BPSK	1	1		24.93		26.0	0.0	
100	Pi/2 BPSK	1	137		24.93				
100	Pi/2 BPSK	1	271		24.92				
100	Pi/2 BPSK	135	0		24.80		25.5	0.5	
100	Pi/2 BPSK	135	69		24.92		26.0	0.0	
100	Pi/2 BPSK	135	138		24.14		25.5	0.5	
100	Pi/2 BPSK	270	0		24.48				
100	QPSK	1	1		25.04				
100	QPSK	1	137		24.98		26.0	0.0	
100	QPSK	1	271		24.96				
100	QPSK	135	0		23.97		25.0	1.0	
100	QPSK	135	69		24.96		26.0	0.0	
100	QPSK	135	138		23.90		25.0	1.0	
100	QPSK	270	0		23.94		25.0	1.0	
100	16QAM	1	1		23.54		25.0	1.0	
100	64QAM	1	1		22.10		23.5	2.5	
100	256QAM	1	1		20.60		21.5	4.5	
Channel					633000	633334	633668	tune-up limit (dB)	MPR
Frequency (MHz)					3486	3500.01	3503.02		
90	QPSK	1	1		24.88	24.90	24.76	23.0	0.0
Channel					632668	633334	634000	tune-up limit (dBm)	MPR
Frequency (MHz)					3490.02	3500.01	3510		
80	QPSK	1	1		24.87	24.91	24.88	26.0	0.0
Channel					632334	633334	634334	tune-up limit (dBm)	MPR
Frequency (MHz)					3485.01	3500.01	3515.01		
70	QPSK	1	1		24.90	24.99	24.80	26.0	0.0
Channel					632000	633334	634668	tune-up limit (dB)	MPR
Frequency (MHz)					3490	3500.01	3503.02		
60	QPSK	1	1		24.89	24.93	24.86	23.0	0.0
Channel					631668	633334	635000	tune-up limit (dBm)	MPR
Frequency (MHz)					3475.02	3500.01	3525		
50	QPSK	1	1		24.97	24.95	24.76	26.0	0.0
Channel					631334	633334	635334	tune-up limit (dBm)	MPR
Frequency (MHz)					3470.01	3500.01	3530.01		
40	QPSK	1	1		24.90	24.98	24.79	26.0	0.0
Channel					631000	633334	635668	tune-up limit (dB)	MPR
Frequency (MHz)					3465	3500.01	3503.02		
30	QPSK	1	1		24.90	24.94	24.83	23.0	0.0
Channel					630634	633334	635834	tune-up limit (dBm)	MPR
Frequency (MHz)					3462.51	3500.01	3537.51		
25	QPSK	1	1		24.92	24.93	24.76	26.0	0.0
Channel					630300	633334	636000	tune-up limit (dBm)	MPR
Frequency (MHz)					3460.02	3500.01	3540		
20	QPSK	1	1		24.96	24.95	24.79	26.0	0.0
Channel					630500	633334	636168	tune-up limit (dB)	MPR
Frequency (MHz)					3457.3	3500.01	3542.32		
15	QPSK	1	1		24.96	24.99	24.85	23.0	0.0
Channel					630334	633334	636334	tune-up limit (dBm)	MPR
Frequency (MHz)					3455.01	3500.01	3545.01		
10	QPSK	1	1		24.86	25.01	24.76	26.0	0.0

n7 Main PA Ant2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	24.82	24.89	24.75		
50	PI2 BPSK	1	135	24.67	24.76	24.71	25.7	0.0
50	PI2 BPSK	1	268	24.49	24.69	24.54		
50	PI2 BPSK	135	0	24.29	24.39	24.28	25.2	0.5
50	PI2 BPSK	135	68	24.79	24.82	24.72	25.7	0.0
50	PI2 BPSK	135	135	24.28	24.34	24.31		
50	PI2 BPSK	270	0	24.28	24.40	24.39	25.2	0.5
50	QPSK	1	1	24.88	24.92	24.83		
50	QPSK	1	135	24.76	24.82	24.78	25.7	0.0
50	QPSK	1	268	24.67	24.73	24.71		
50	QPSK	135	0	23.78	23.91	23.81	24.7	1.0
50	QPSK	135	68	24.72	24.85	24.73	25.7	0.0
50	QPSK	135	135	23.76	23.83	23.81	24.7	1.0
50	QPSK	270	0	23.83	23.99	23.95		
50	16QAM	1	1	23.71	23.81	23.85	24.7	1.0
50	64QAM	1	1	22.21	22.29	22.28	23.2	2.5
50	256QAM	1	1	20.32	20.49	20.44	21.2	4.5
Channel				504000	507000	510000	tune-up limit (dB)	MPR
Frequency (MHz)				2500	2535	2560		
40	QPSK	1	1	24.75	24.85	24.75	25.7	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.74	24.86	24.69	25.7	0.0
Channel				502500	507000	511500	tune-up limit (dB)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.78	24.80	24.74	25.7	0.0
Channel				502000	507000	512000	tune-up limit (dB)	MPR
Frequency (MHz)				2510	2534	2558		
20	QPSK	1	1	24.78	24.88	24.72	25.7	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.83	24.77	24.78	25.7	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.84	24.78	24.75	25.7	0.0
Channel				500500	507000	513500	tune-up limit (dB)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.81	24.79	24.70	25.7	0.0

n66 Main PA Ant2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				#0N/0r	#0N/0r	#0N/0r		
Frequency (MHz)				22.5	0	-22.5		
45	PI2 BPSK	1	1	23.79	23.87	23.75		
45	PI2 BPSK	1	120	23.72	23.81	23.71	24.5	0.0
45	PI2 BPSK	1	243	23.47	23.65	23.55		
45	PI2 BPSK	120	0	23.28	23.40	23.23	24.0	0.5
45	PI2 BPSK	120	60	23.75	23.86	23.66	24.5	0.0
45	PI2 BPSK	120	120	23.28	23.35	23.24		
45	PI2 BPSK	240	0	23.28	23.45	23.34	24.0	0.5
45	QPSK	1	1	23.88	23.90	23.83		
45	QPSK	1	120	23.75	23.79	23.71	24.5	0.0
45	QPSK	1	243	23.59	23.80	23.64		
45	QPSK	120	0	22.71	22.89	22.80	23.5	1.0
45	QPSK	120	60	23.67	23.82	23.72	24.5	0.0
45	QPSK	120	120	22.73	22.88	22.74		
45	QPSK	240	0	22.85	23.01	22.92	23.5	1.0
45	16QAM	1	1	22.74	22.79	22.81	23.5	1.0
45	64QAM	1	1	21.20	21.20	21.15	22.0	2.5
45	256QAM	1	1	19.30	19.44	19.39	20.0	4.5
Channel				346000	349000	352000	tune-up limit (dBm)	MPR
Frequency (MHz)				1724	1745	1760		
40	QPSK	1	1	23.64	23.75	23.69	24.5	0.0
Channel				345000	349000	352000	tune-up limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.76	23.87	23.81	24.5	0.0
Channel				#0N/0r	#0N/0r	#0N/0r	tune-up limit (dB)	MPR
Frequency (MHz)				15	0	-15		
30	QPSK	1	1	23.78	23.81	23.73	24.5	0.0
Channel				#0N/0r	#0N/0r	#0N/0r	tune-up limit (dB)	MPR
Frequency (MHz)				12.5	0	-12.5		
25	QPSK	1	1	23.75	23.85	23.71	24.5	0.0
Channel				#0N/0r	#0N/0r	#0N/0r	tune-up limit (dBm)	MPR
Frequency (MHz)				10	0	-10		
20	QPSK	1	1	23.80	23.77	23.77	24.5	0.0
Channel				#0N/0r	#0N/0r	#0N/0r	tune-up limit (dBm)	MPR
Frequency (MHz)				7.5	0	-7.5		
15	QPSK	1	1	23.80	23.80	23.76	24.5	0.0
Channel				#0N/0r	#0N/0r	#0N/0r	tune-up limit (dB)	MPR
Frequency (MHz)				5	0	-5		
10	QPSK	1	1	23.82	23.87	23.78	24.5	0.0
Channel				#0N/0r	#0N/0r	#0N/0r	tune-up limit (dBm)	MPR
Frequency (MHz)				2.5	0	-2.5		
5	QPSK	1	1	23.72	23.75	23.73	24.5	0.0

n38 Main PA Ant2									
BW (MHz)	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	519696			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	25.11	25.23	25.21			
40	PI2 BPSK	1	53	25.00	25.12	25.02	25.7	0.0	
40	PI2 BPSK	1	104	24.99	25.02	24.93			
40	PI2 BPSK	50	0	24.71	24.81	24.77	25.2	0.5	
40	PI2 BPSK	50	28	25.16	25.19	25.15	25.7	0.0	
40	PI2 BPSK	50	56	24.64	24.73	24.64			
40	PI2 BPSK	100	0	24.75	24.87	24.74	25.2	0.5	
40	QPSK	1	1	25.20	25.29	25.26			
40	QPSK	1	53	25.09	25.21	25.15	25.7	0.0	
40	QPSK	1	104	25.13	25.16	25.13			
40	QPSK	50	0	25.25	25.34	24.27	24.7	1.0	
40	QPSK	50	28	25.15	25.22	25.11	25.7	0.0	
40	QPSK	50	56	24.26	24.30	24.16	24.7	1.0	
40	QPSK	100	0	24.32	24.41	24.29			
40	16QAM	1	1	24.12	24.22	24.09	24.7	1.0	
40	64QAM	1	1	22.50	22.63	22.56	23.2	2.5	
40	256QAM	1	1	20.73	20.85	20.77	21.2	4.5	
Channel				517002	519000	520998	tune-up limit (dB)	MPR	
Frequency (MHz)				2592.01	2592	2604.99			
30	QPSK	1	1	25.10	25.19	25.22	25.7	0.0	
Channel				516504	519000	521496	tune-up limit (dBm)	MPR	
Frequency (MHz)				2592.02	2595	2607.48			
25	QPSK	1	1	25.10	25.16	25.14	25.7	0.0	
Channel				518000	519000	522000	tune-up limit (dB)	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	25.15	25.24	25.19	25.7	0.0	
Channel				515502	519000	522498	tune-up limit (dB)	MPR	
Frequency (MHz)				2577.01	2594	2612.49			
15	QPSK	1	1	25.00	25.21	25.11	25.7	0.0	
Channel				515004	519000	522996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	25.16	25.26	25.19	25.7	0.0	

n41 Main PA Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509502	518596	526000			
Frequency (MHz)				2546.01	2552.99	2640			
100	PI2 BPSK	1	1	25.20	25.33	25.30			
100	PI2 BPSK	1	137	25.07	25.19	25.18	25.7	0.0	
100	PI2 BPSK	1	271	25.04	25.19	24.99			
100	PI2 BPSK	135	0	24.85	24.90	24.93	25.2	0.5	
100	PI2 BPSK	135	69	25.31	25.24	25.21	25.7	0.0	
100	PI2 BPSK	135	138	24.70	24.65	24.73			
100	PI2 BPSK	270	0	24.88	25.01	24.91	25.2	0.5	
100	QPSK	1	1	25.27	25.36	25.36			
100	QPSK	1	137	25.24	25.37	25.28	25.7	0.0	
100	QPSK	1	271	25.18	25.26	25.18			
100	QPSK	135	0	24.46	24.43	24.41	24.7	1.0	
100	QPSK	135	69	25.20	25.35	25.22	25.7	0.0	
100	QPSK	135	138	24.37	24.39	24.21	24.7	1.0	
100	QPSK	270	0	24.42	24.46	24.44			
100	16QAM	1	1	24.21	24.21	24.14	24.7	1.0	
100	64QAM	1	1	22.64	22.80	22.72	23.2	2.5	
100	256QAM	1	1	20.89	21.00	20.83	21.2	4.5	
Channel				509200	518598	526996	tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2552.99	2644.98			
90	QPSK	1	1	25.23	25.29	25.28	25.7	0.0	
Channel				507204	518596	526996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2552.99	2649.99			
80	QPSK	1	1	25.15	25.32	25.32	25.7	0.0	
Channel				505202	518596	531000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2552.99	2655			
70	QPSK	1	1	25.18	25.25	23.21	25.7	0.0	
Channel				505200	518598	531996	tune-up limit (dB)	MPR	
Frequency (MHz)				2525	2552.99	2659.98			
60	QPSK	1	1	25.16	25.24	25.22	25.7	0.0	
Channel				504204	518596	532996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2552.99	2664.99			
50	QPSK	1	1	25.17	25.30	25.30	25.7	0.0	
Channel				503202	518596	534000	tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2552.99	2670			
40	QPSK	1	1	25.23	25.25	25.22	25.7	0.0	
Channel				502200	518598	534996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2552.99	2674.98			
30	QPSK	1	1	25.14	25.23	25.32	25.7	0.0	
Channel				501204	518596	535996	tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2552.99	2679.99			
20	QPSK	1	1	25.22	25.31	25.29	25.7	0.0	
Channel				500700	518596	535996	tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2552.99	2682.48			
15	QPSK	1	1	25.23	25.28	25.31	25.7	0.0	
Channel				500202	518598	537000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2552.99	2685			
10	QPSK	1	1	25.15	25.30	25.27	25.7	0.0	

n7 Main PA Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	22.64	22.69	22.55		
50	PI2 BPSK	1	135	22.48	22.59	22.55	24.0	0.0
50	PI2 BPSK	1	268	22.29	22.42	22.27		
50	PI2 BPSK	135	0	22.04	22.18	22.10	23.5	0.5
50	PI2 BPSK	135	68	22.54	22.64	22.54	24.0	0.0
50	PI2 BPSK	135	135	22.05	22.15	22.09		
50	PI2 BPSK	270	0	22.12	22.23	22.09	23.5	0.5
50	QPSK	1	1	22.69	22.74	22.65		
50	QPSK	1	135	22.80	22.67	22.63	24.0	0.0
50	QPSK	1	268	22.35	22.65	22.62		
50	QPSK	135	0	21.62	21.72	21.59	23.0	1.0
50	QPSK	135	68	22.54	22.62	22.58	24.0	0.0
50	QPSK	135	135	21.63	21.73	21.64	23.0	1.0
50	QPSK	270	0	21.65	21.78	21.66		
50	16QAM	1	1	21.56	21.60	21.55	23.0	1.0
50	64QAM	1	1	20.93	20.97	20.93	21.5	2.5
50	256QAM	1	1	18.18	18.24	18.17	19.5	4.5
Channel				504000	507000	510000	tune-up limit (dB)	MPR
Frequency (MHz)				2525	2535	2550		
40	QPSK	1	1	22.55	22.60	22.55	24.0	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.66	22.66	22.51	24.0	0.0
Channel				502500	507000	511500	tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.62	22.69	22.50	24.0	0.0
Channel				502000	507000	512000	tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.57	22.70	22.60	24.0	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.62	22.61	22.51	24.0	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.55	22.60	22.52	24.0	0.0
Channel				500500	507000	513500	tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.61	22.65	22.57	24.0	0.0

n66 Main PA Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI2 BPSK	1	1	21.67	21.71	21.62		
45	PI2 BPSK	1	120	21.60	21.63	21.59	23.5	0.0
45	PI2 BPSK	1	243	21.52	21.59	21.53		
45	PI2 BPSK	120	0	21.06	21.22	21.07	23.0	0.5
45	PI2 BPSK	120	60	21.59	21.70	21.58	23.5	0.0
45	PI2 BPSK	120	120	21.02	21.19	21.12	23.0	0.5
45	PI2 BPSK	240	0	21.16	21.28	21.06		
45	QPSK	1	1	21.70	21.75	21.66		
45	QPSK	1	120	21.58	21.70	21.64	23.5	0.0
45	QPSK	1	243	21.60	21.69	21.68		
45	QPSK	120	0	20.85	20.75	20.57	22.5	1.0
45	QPSK	120	60	21.56	21.67	21.53	23.5	0.0
45	QPSK	120	120	20.60	20.72	20.66	22.5	1.0
45	QPSK	240	0	20.71	20.83	20.70		
45	16QAM	1	1	20.53	20.72	20.52	22.5	1.0
45	64QAM	1	1	19.01	19.05	19.09	21.0	2.5
45	256QAM	1	1	17.19	17.23	17.14	19.0	4.5
Channel				346000	349000	352000	tune-up limit (dB)	MPR
Frequency (MHz)				1725	1745	1760		
40	QPSK	1	1	21.59	21.68	21.63	23.5	0.0
Channel				345500	349000	352500	tune-up limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.60	21.71	21.67	23.5	0.0
Channel				345000	349000	353000	tune-up limit (dBm)	MPR
Frequency (MHz)				1723	1745	1765		
30	QPSK	1	1	21.60	21.70	21.51	23.5	0.0
Channel				344500	349000	353500	tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1763.5		
25	QPSK	1	1	21.64	21.63	21.62	23.5	0.0
Channel				344000	349000	354000	tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.59	21.64	21.51	23.5	0.0
Channel				343500	349000	354500	tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.62	21.68	21.53	23.5	0.0
Channel				343000	349000	355000	tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.57	21.70	21.59	23.5	0.0
Channel				342500	349000	355500	tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.63	21.60	21.55	23.5	0.0

n38 Main PA Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519696		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	23.07	23.22	23.14		
40	PI2 BPSK	1	53	23.08	23.17	23.02	24.5	0.0
40	PI2 BPSK	1	104	22.92	23.06	23.02		
40	PI2 BPSK	50	0	22.71	22.82	22.71	24.0	0.5
40	PI2 BPSK	50	28	23.13	23.19	23.14	24.5	0.0
40	PI2 BPSK	50	56	22.62	22.72	22.59		
40	PI2 BPSK	100	0	22.75	22.84	22.74	24.0	0.5
40	QPSK	1	1	23.16	23.28	23.22		
40	QPSK	1	53	23.12	23.24	23.14	24.5	0.0
40	QPSK	1	104	23.17	23.23	23.19		
40	QPSK	50	0	22.31	22.35	22.21	23.5	1.0
40	QPSK	50	28	23.10	23.21	23.18	24.5	0.0
40	QPSK	50	56	22.06	22.17	22.06	23.5	1.0
40	QPSK	100	0	22.23	22.26	22.13		
40	16QAM	1	1	22.13	22.20	22.13	23.5	1.0
40	64QAM	1	1	20.82	20.85	20.82	22.0	2.5
40	256QAM	1	1	18.84	18.91	18.87	20.0	4.5
Channel				517002	519000	520998	tune-up limit (dB)	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.07	23.25	23.15	24.5	0.0
Channel				518504	519000	521496	tune-up limit (dB)	MPR
Frequency (MHz)				2592.02	2595	2607.48		
25	QPSK	1	1	23.03	23.22	23.12	24.5	0.0
Channel				518006	519000	522000	tune-up limit (dB)	MPR
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	23.01	23.14	23.12	24.5	0.0
Channel				515502	519000	523498	tune-up limit (dB)	MPR
Frequency (MHz)				2577.01	2595	2612.48		
15	QPSK	1	1	23.13	23.19	23.12	24.5	0.0
Channel				515004	519000	525996	tune-up limit (dB)	MPR
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.11	23.17	23.08	24.5	0.0

n41 Main PA Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509002	518096	528000		
Frequency (MHz)				2546.01	2552.99	2640		
100	PI2 BPSK	1	1	22.97	23.10	23.00		
100	PI2 BPSK	1	137	23.01	23.12	22.98	24.5	0.0
100	PI2 BPSK	1	271	22.78	23.02	22.90		
100	PI2 BPSK	135	0	22.62	22.70	22.58	24.0	0.5
100	PI2 BPSK	135	69	23.07	23.10	23.03	24.5	0.0
100	PI2 BPSK	135	138	22.47	22.59	22.53		
100	PI2 BPSK	270	0	22.68	22.69	22.60	24.0	0.5
100	QPSK	1	1	23.14	23.19	23.08		
100	QPSK	1	137	23.09	23.14	23.04	24.5	0.0
100	QPSK	1	271	23.09	23.10	23.05		
100	QPSK	135	0	22.23	22.28	22.13	23.5	1.0
100	QPSK	135	69	22.99	23.14	23.09	24.5	0.0
100	QPSK	135	138	21.96	22.09	21.92	23.5	1.0
100	QPSK	270	0	22.10	22.21	21.98		
100	16QAM	1	1	22.03	22.17	22.05	23.5	1.0
100	64QAM	1	1	20.50	20.58	20.55	22.0	2.5
100	256QAM	1	1	18.79	18.86	18.80	20.0	4.5
Channel				509000	518098	528996	tune-up limit (dB)	MPR
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	23.06	23.09	23.01	24.5	0.0
Channel				507004	518096	529996	tune-up limit (dB)	MPR
Frequency (MHz)				2536.02	2552.99	2640.99		
80	QPSK	1	1	23.04	23.14	22.83	24.5	0.0
Channel				505002	518096	531000	tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2552.99	2655		
70	QPSK	1	1	23.03	23.10	23.06	24.5	0.0
Channel				505000	518098	531996	tune-up limit (dB)	MPR
Frequency (MHz)				2525	2552.99	2659.98		
60	QPSK	1	1	23.07	23.13	22.95	24.5	0.0
Channel				504004	518096	532996	tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2552.99	2664.99		
50	QPSK	1	1	23.08	23.09	23.03	24.5	0.0
Channel				503002	518096	534000	tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2552.99	2670		
40	QPSK	1	1	23.00	23.08	22.98	24.5	0.0
Channel				502000	518098	534996	tune-up limit (dB)	MPR
Frequency (MHz)				2511	2552.99	2674.98		
30	QPSK	1	1	23.11	23.15	23.01	24.5	0.0
Channel				501004	518096	535996	tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2552.99	2679.99		
20	QPSK	1	1	23.10	23.11	23.02	24.5	0.0
Channel				500000	518096	536996	tune-up limit (dB)	MPR
Frequency (MHz)				2503.5	2552.99	2682.48		
15	QPSK	1	1	23.08	23.07	23.04	24.5	0.0
Channel				500002	518098	537000	tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2552.99	2685		
10	QPSK	1	1	23.04	23.15	22.96	24.5	0.0

n7 Main PA Ant4 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	21.00	21.21	21.01		
50	PI2 BPSK	1	135	21.07	21.10	20.81	22.0	0.0
50	PI2 BPSK	1	268	20.80	21.11	20.99		
50	PI2 BPSK	135	0	21.18	21.31	21.22	22.0	0.0
50	PI2 BPSK	135	68	21.18	21.19	21.20	22.0	0.0
50	PI2 BPSK	135	135	21.07	21.25	21.05	22.0	0.0
50	PI2 BPSK	270	0	21.28	21.20	21.25		
50	QPSK	1	1	21.28	21.35	21.29		
50	QPSK	1	135	21.10	21.28	21.15	22.0	0.0
50	QPSK	1	268	21.25	21.18	21.09		
50	QPSK	135	0	21.25	21.25	21.07	22.0	0.0
50	QPSK	135	68	21.29	21.33	21.25	22.0	0.0
50	QPSK	135	135	20.98	21.07	20.85	22.0	0.0
50	QPSK	270	0	21.25	21.27	21.20		
50	16QAM	1	1	21.16	21.23	21.16	22.0	0.0
50	64QAM	1	1	21.16	21.27	21.21	22.0	0.0
50	256QAM	1	1	20.32	20.34	20.46	21.0	1.0
Channel				504000	507000	510000	tune-up limit (dB)	MPR
Frequency (MHz)				2502	2535	2560		
40	QPSK	1	1	21.05	21.25	21.21	22.0	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.03	21.24	21.25	22.0	0.0
Channel				502000	507000	511500	tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.04	21.10	21.21	22.0	0.0
Channel				502000	507000	512000	tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2534	2560		
20	QPSK	1	1	20.96	21.13	21.15	22.0	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.03	21.16	21.13	22.0	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.02	21.22	21.17	22.0	0.0
Channel				500500	507000	513500	tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2534	2561.5		
5	QPSK	1	1	21.10	21.27	21.20	22.0	0.0

n66 Main PA Ant4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1737.5		
45	PI2 BPSK	1	1	23.63	23.72	23.67		
45	PI2 BPSK	1	120	23.47	23.67	23.35	24.5	0.0
45	PI2 BPSK	1	243	23.39	23.55	23.45		
45	PI2 BPSK	120	0	23.06	23.17	23.20	24.0	0.5
45	PI2 BPSK	120	60	23.65	23.66	23.56	24.5	0.0
45	PI2 BPSK	120	120	23.09	23.23	22.98	24.0	0.5
45	PI2 BPSK	240	0	23.25	23.24	23.18		
45	QPSK	1	1	23.69	23.76	23.72		
45	QPSK	1	120	23.48	23.71	23.59	24.5	0.0
45	QPSK	1	243	23.64	23.68	23.68		
45	QPSK	120	0	22.74	22.83	22.59	23.5	1.0
45	QPSK	120	60	23.48	23.65	23.60	24.5	0.0
45	QPSK	120	120	22.44	22.55	22.47	23.5	1.0
45	QPSK	240	0	22.58	22.61	22.52		
45	16QAM	1	1	22.63	22.57	22.60	23.5	1.0
45	64QAM	1	1	20.97	21.17	21.11	22.0	2.5
45	256QAM	1	1	19.23	19.35	19.33	20.0	4.5
Channel				346000	349000	352000	tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	1	23.62	23.71	23.69	24.5	0.0
Channel				345500	349000	352500	tune-up limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.64	23.73	23.70	24.5	0.0
Channel				345000	349000	353000	tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.60	23.63	23.62	24.5	0.0
Channel				344500	349000	353500	tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1761.5		
25	QPSK	1	1	23.68	23.72	23.65	24.5	0.0
Channel				344000	349000	354000	tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.57	23.69	23.60	24.5	0.0
Channel				343500	349000	354500	tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.54	23.62	23.59	24.5	0.0
Channel				343000	349000	355000	tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.58	23.70	23.58	24.5	0.0
Channel				342500	349000	355500	tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.55	23.72	23.68	24.5	0.0

n38 Main PA Ant4 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519696			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	22.18	22.15	22.28			
40	PI2 BPSK	1	53	22.12	22.10	22.05	22.7	0.0	
40	PI2 BPSK	1	104	22.01	21.99	21.98			
40	PI2 BPSK	50	0	22.15	22.15	22.11	22.7	0.0	
40	PI2 BPSK	50	28	22.18	22.21	22.11	22.7	0.0	
40	PI2 BPSK	50	56	22.09	22.11	22.06			
40	PI2 BPSK	100	0	22.11	22.25	22.23	22.7	0.0	
40	QPSK	1	1	22.37	22.41	22.27			
40	QPSK	1	53	22.26	22.28	22.09	22.7	0.0	
40	QPSK	1	104	22.09	22.02	21.98			
40	QPSK	50	0	22.22	22.32	22.12	22.7	0.0	
40	QPSK	50	28	22.27	22.38	22.33	22.7	0.0	
40	QPSK	50	56	22.06	22.22	22.12	22.7	0.0	
40	QPSK	100	0	22.18	22.27	22.22			
40	16QAM	1	1	22.15	22.14	21.53	22.7	0.0	
40	64QAM	1	1	21.95	22.02	22.11	22.7	0.0	
40	256QAM	1	1	20.91	21.08	20.94	21.2	1.5	
Channel				517002	519000	520998	tune-up limit (dB)	MPR	
30	QPSK	1	1	22.13	22.27	22.21	22.7	0.0	
Channel				518504	519000	521496	tune-up limit (dB)	MPR	
25	QPSK	1	1	22.28	22.37	22.29	22.7	0.0	
Channel				518090	519000	522000	tune-up limit (dB)	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	22.18	22.26	22.06	22.7	0.0	
Channel				515502	519000	522498	tune-up limit (dB)	MPR	
Frequency (MHz)				2577.01	2595	2612.49			
15	QPSK	1	1	22.15	22.29	22.17	22.7	0.0	
Channel				515004	519000	522996	tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.22	22.29	22.10	22.7	0.0	

n41 Main PA Ant4 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509502	518596	528000			
Frequency (MHz)				2546.01	2552.99	2640			
100	PI2 BPSK	1	1	21.90	21.69	21.77			
100	PI2 BPSK	1	137	21.76	21.62	21.62	22.2	0.0	
100	PI2 BPSK	1	271	21.63	21.56	21.56			
100	PI2 BPSK	135	0	21.83	21.81	21.81	22.2	0.0	
100	PI2 BPSK	135	69	21.92	21.80	21.85	22.2	0.0	
100	PI2 BPSK	135	138	21.69	21.74	21.67			
100	PI2 BPSK	270	0	21.78	21.90	21.85	22.2	0.0	
100	QPSK	1	1	21.92	21.96	21.89			
100	QPSK	1	137	21.89	21.86	21.64	22.2	0.0	
100	QPSK	1	271	21.70	21.68	21.72			
100	QPSK	135	0	21.90	21.89	21.75	22.2	0.0	
100	QPSK	135	69	21.79	21.91	21.83	22.2	0.0	
100	QPSK	135	138	21.66	21.75	21.81	22.2	0.0	
100	QPSK	270	0	21.72	21.80	21.77			
100	16QAM	1	1	21.74	21.80	21.48	22.2	0.0	
100	64QAM	1	1	21.70	21.72	21.76	22.2	0.0	
100	256QAM	1	1	21.13	21.19	21.11	21.2	1.0	
Channel				509500	518598	528996	tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2552.99	2644.98			
90	QPSK	1	1	21.80	21.75	21.64	22.2	0.0	
Channel				507204	518596	529996	tune-up limit (dB)	MPR	
Frequency (MHz)				2536.02	2552.99	2649.99			
80	QPSK	1	1	21.72	21.75	21.87	22.2	0.0	
Channel				505202	518596	531000	tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2552.99	2655			
70	QPSK	1	1	21.71	21.80	21.86	22.2	0.0	
Channel				505200	518598	531996	tune-up limit (dB)	MPR	
Frequency (MHz)				2525	2552.99	2659.98			
60	QPSK	1	1	21.70	21.85	21.80	22.2	0.0	
Channel				504204	518596	532996	tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2552.99	2664.99			
50	QPSK	1	1	21.84	21.95	21.74	22.2	0.0	
Channel				503202	518596	534000	tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2552.99	2670			
40	QPSK	1	1	21.94	21.81	21.90	22.2	0.0	
Channel				502200	518598	534996	tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2552.99	2674.98			
30	QPSK	1	1	21.90	21.89	21.70	22.2	0.0	
Channel				501204	518596	535996	tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2552.99	2679.99			
20	QPSK	1	1	21.71	21.74	21.77	22.2	0.0	
Channel				500700	518596	536996	tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2552.99	2682.48			
15	QPSK	1	1	21.73	21.90	21.79	22.2	0.0	
Channel				500202	518598	537000	tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2552.99	2685			
10	QPSK	1	1	21.75	21.83	21.90	22.2	0.0	

Part27O n77 Main PA Ant5 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	17.56	18.10	18.04		
100	PI2 BPSK	1	137	18.10	18.03	17.89	19.0	0.0
100	PI2 BPSK	1	271	17.90	17.89	17.78		
100	PI2 BPSK	135	0	17.86	17.84	17.91	19.0	0.0
100	PI2 BPSK	135	69	18.02	18.08	17.92	19.0	0.0
100	PI2 BPSK	135	138	17.93	17.96	17.82		
100	PI2 BPSK	270	0	17.84	18.04	17.92	19.0	0.0
100	QPSK	1	1	18.11	18.25	18.09		
100	QPSK	1	137	17.85	18.03	18.06	19.0	0.0
100	QPSK	1	271	18.91	18.07	18.11		
100	QPSK	135	0	17.74	17.99	17.93	19.0	0.0
100	QPSK	135	69	18.19	18.22	17.91	19.0	0.0
100	QPSK	135	138	17.90	17.82	17.86	19.0	0.0
100	QPSK	270	0	17.88	18.00	17.86	19.0	0.0
100	8QAM	1	1	17.99	17.86	17.96	19.0	0.0
100	8QAM	1	1	17.35	17.58	17.31	19.0	0.0
100	25QAM	1	1	17.93	18.15	17.83	19.0	0.0
Channel								
Frequency (MHz)				649668	650000	652334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	17.58	18.17	17.94	19.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	17.81	18.19	17.96	19.0	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	17.91	18.13	17.96	19.0	0.0
Channel								
Frequency (MHz)				648668	650000	653334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	17.85	18.13	17.89	19.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	17.77	18.13	17.83	19.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	17.82	18.17	17.84	19.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	17.62	18.06	18.03	19.0	0.0
Channel								
Frequency (MHz)				647500	650000	654500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	17.74	18.12	17.94	19.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	17.84	18.05	17.96	19.0	0.0
Channel								
Frequency (MHz)				647168	650000	654834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	17.77	18.11	17.93	19.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	17.94	18.13	18.04	19.0	0.0

Part27O n77 PC2 Main PA Ant5 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.05	21.21	21.16		
100	PI2 BPSK	1	137	21.25	21.07	20.89	22.0	0.0
100	PI2 BPSK	1	271	21.11	20.99	20.98		
100	PI2 BPSK	135	0	20.94	21.05	21.04	22.0	0.0
100	PI2 BPSK	135	69	21.03	21.21	21.10	22.0	0.0
100	PI2 BPSK	135	138	20.99	20.96	20.81		
100	PI2 BPSK	270	0	20.99	21.03	21.10	22.0	0.0
100	QPSK	1	1	21.30	21.38	21.07		
100	QPSK	1	137	20.94	21.22	21.05	22.0	0.0
100	QPSK	1	271	21.16	21.21	21.23		
100	QPSK	135	0	20.83	21.00	20.94	22.0	0.0
100	QPSK	135	69	21.24	21.29	21.08	22.0	0.0
100	QPSK	135	138	20.99	21.04	20.97	22.0	0.0
100	QPSK	270	0	21.00	21.20	21.04	22.0	0.0
100	8QAM	1	1	20.85	20.96	21.15	22.0	0.0
100	8QAM	1	1	20.53	20.79	20.40	22.0	0.0
100	25QAM	1	1	20.55	20.67	20.53	21.5	0.5
Channel								
Frequency (MHz)				649668	650000	652334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	20.98	21.19	20.98	22.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	21.07	21.31	20.98	22.0	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	21.00	21.17	21.07	22.0	0.0
Channel								
Frequency (MHz)				648668	650000	653334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	21.03	21.33	21.02	22.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	20.97	21.28	21.08	22.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	20.94	21.20	20.94	22.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	21.01	21.25	21.04	22.0	0.0
Channel								
Frequency (MHz)				647500	650000	654500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	21.08	21.21	21.07	22.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	21.01	21.30	21.12	22.0	0.0
Channel								
Frequency (MHz)				647168	650000	654834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	21.07	21.22	20.97	22.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	21.08	21.32	21.03	22.0	0.0

Part27Q n77 Main PA Ant5 DS13

BW [MHz]	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	PI2 BPSK	1	1		18.33			
100	PI2 BPSK	1	137		18.27		19.0	0.0
100	PI2 BPSK	1	271		18.24			
100	PI2 BPSK	135	0		17.83		19.0	0.0
100	PI2 BPSK	135	69		18.19		19.0	0.0
100	PI2 BPSK	135	138		18.06			
100	PI2 BPSK	270	0		18.00		19.0	0.0
100	QPSK	1	1		18.34			
100	QPSK	1	137		18.16		19.0	0.0
100	QPSK	1	271		18.03			
100	QPSK	135	0		18.11		19.0	0.0
100	QPSK	135	69		18.29		19.0	0.0
100	QPSK	135	138		17.86		19.0	0.0
100	QPSK	270	0		18.26		19.0	0.0
100	8QAM	1	1		18.05		19.0	0.0
100	8QAM	1	1		17.93		19.0	0.0
100	25QAM	1	1		18.15		19.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	18.23	18.27	18.22	19.0	0.0
Channel								
Frequency (MHz)				633668	633334	634000	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	18.18	18.26	18.02	19.0	0.0
Channel								
Frequency (MHz)				3465.01	3500.01	3515.01	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	18.19	18.16	18.08	19.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	18.18	18.25	18.03	19.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	18.25	18.18	18.20	19.0	0.0
Channel								
Frequency (MHz)				631334	633334	633334	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	18.24	18.15	18.11	19.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	18.25	18.31	18.19	19.0	0.0
Channel								
Frequency (MHz)				630668	633334	635999	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	18.25	18.17	18.16	19.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	18.14	18.20	18.21	19.0	0.0
Channel								
Frequency (MHz)				3455.01	3500.01	3545.01	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	18.15	18.20	18.23	19.0	0.0

Part27Q n77 PC2 Main PA Ant5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3500.01	633334				
Frequency (MHz)				21.22					
100	PI2 BPSK	1	1	20.98			22.0	0.0	
100	PI2 BPSK	1	137	20.98					
100	PI2 BPSK	1	271	20.99					
100	PI2 BPSK	135	0	20.90			22.0	0.0	
100	PI2 BPSK	135	69	21.01			22.0	0.0	
100	PI2 BPSK	135	138	20.81			22.0	0.0	
100	PI2 BPSK	270	0	20.95					
100	QPSK	1	1	21.36					
100	QPSK	1	137	21.09			22.0	0.0	
100	QPSK	1	271	21.03					
100	QPSK	135	0	20.89			22.0	0.0	
100	QPSK	135	69	21.16			22.0	0.0	
100	QPSK	135	138	20.93			22.0	0.0	
100	QPSK	270	0	21.15					
100	8QAM	1	1	20.75			22.0	0.0	
100	8QAM	1	1	20.80			22.0	0.0	
100	25QAM	1	1	20.71			21.5	0.5	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3500.01	3503.02			
90	QPSK	1	1	20.50	21.10	20.94	22.0	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	20.93	21.13	20.83	22.0	0.0	
Channel				632334	633334	634334	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	20.79	20.98	20.78	22.0	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3510.02			
60	QPSK	1	1	20.79	21.10	20.90	22.0	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	20.76	21.02	20.90	22.0	0.0	
Channel				631334	633334	635334	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	20.85	21.09	20.79	22.0	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3513.02			
30	QPSK	1	1	20.79	21.11	20.98	22.0	0.0	
Channel				630634	633334	636334	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	20.95	21.09	20.90	22.0	0.0	
Channel				630300	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	20.95	21.19	21.00	22.0	0.0	
Channel				630000	633334	636968	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.5			
15	QPSK	1	1	20.94	21.03	20.93	22.0	0.0	
Channel				630334	633334	636334	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	20.79	21.20	20.90	22.0	0.0	

Part27O n78 Main PA Ant5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	17.24			18.0	0.0	
100	PI2 BPSK	1	137	17.23					
100	PI2 BPSK	1	271	17.06					
100	PI2 BPSK	135	0	17.12			18.0	0.0	
100	PI2 BPSK	135	69	17.12			18.0	0.0	
100	PI2 BPSK	135	138	17.08			18.0	0.0	
100	PI2 BPSK	270	0	17.22					
100	QPSK	1	1	17.32					
100	QPSK	1	137	17.17			18.0	0.0	
100	QPSK	1	271	17.26					
100	QPSK	135	0	17.17			18.0	0.0	
100	QPSK	135	69	17.24			18.0	0.0	
100	QPSK	135	138	17.07			18.0	0.0	
100	QPSK	270	0	17.24					
100	8QAM	1	1	17.04			18.0	0.0	
100	8QAM	1	1	16.72			18.0	0.0	
100	25QAM	1	1	17.23			18.0	0.0	
Channel				649668	650000	650334	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3750	3753.02			
90	QPSK	1	1	17.22	17.06	17.03	18.0	0.0	
Channel				649334	650000	650668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	17.22	17.13	17.05	18.0	0.0	
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.22	17.12	16.89	18.0	0.0	
Channel				648668	650000	651334	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3761.02			
60	QPSK	1	1	17.29	17.16	16.93	18.0	0.0	
Channel				648334	650000	651668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	17.25	17.19	16.87	18.0	0.0	
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	1	17.20	17.22	17.11	18.0	0.0	
Channel				647668	650000	652334	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3763.02			
30	QPSK	1	1	17.17	17.10	17.09	18.0	0.0	
Channel				647300	650000	652500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	17.18	17.08	17.11	18.0	0.0	
Channel				647334	650000	652599	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	17.20	17.20	16.94	18.0	0.0	
Channel				647168	650000	652834	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.52			
15	QPSK	1	1	17.09	17.16	17.06	18.0	0.0	
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	17.21	17.24	16.95	18.0	0.0	

Part27O n78 PC2 Main PA Ant5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	20.13			21.0	0.0	
100	PI2 BPSK	1	137	20.30					
100	PI2 BPSK	1	271	20.11					
100	PI2 BPSK	135	0	20.24			21.0	0.0	
100	PI2 BPSK	135	69	20.27			21.0	0.0	
100	PI2 BPSK	135	138	20.12			21.0	0.0	
100	PI2 BPSK	270	0	20.19					
100	QPSK	1	1	20.31					
100	QPSK	1	137	20.21			21.0	0.0	
100	QPSK	1	271	20.05					
100	QPSK	135	0	20.05			21.0	0.0	
100	QPSK	135	69	20.25			21.0	0.0	
100	QPSK	135	138	20.08			21.0	0.0	
100	QPSK	270	0	20.19					
100	16QAM	1	1	20.01			21.0	0.0	
100	64QAM	1	1	20.24			21.0	0.0	
100	256QAM	1	1	20.32			21.0	0.0	
Channel				649668	650000	660334			
90	QPSK	1	1	20.22	20.30	20.06	21.0	0.0	
Channel				648334	650000	656668			
Frequency (MHz)				3745.02	3750	3755.02	limit (dBm)	MPR (dB)	
80	QPSK	1	1	20.16	20.21	19.93	21.0	0.0	
Channel				648000	650000	651000			
Frequency (MHz)				3735	3750	3765	limit (dBm)	MPR (dB)	
70	QPSK	1	1	20.02	20.20	20.04	21.0	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3725.02	3750	3775.02	limit (dBm)	MPR (dB)	
60	QPSK	1	1	20.12	20.20	20.20	21.0	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3776.02	limit (dBm)	MPR (dB)	
50	QPSK	1	1	20.02	20.16	19.98	21.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3790	limit (dBm)	MPR (dB)	
40	QPSK	1	1	20.06	20.07	20.07	21.0	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3783.03	limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.11	20.09	19.92	21.0	0.0	
Channel				647500	650000	652500			
Frequency (MHz)				3712.5	3750	3787.5	limit (dBm)	MPR (dB)	
25	QPSK	1	1	20.01	20.12	19.93	21.0	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.02	3750	3790.02	limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.24	20.09	20.01	21.0	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51	limit (dBm)	MPR (dB)	
15	QPSK	1	1	20.07	20.21	20.11	21.0	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.03	20.01	20.04	21.0	0.0	

Part27Q n78 Main PA Ant5 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)				3000.01					
100	PI2 BPSK	1	1	17.53					
100	PI2 BPSK	1	137	17.44			18.0	0.0	
100	PI2 BPSK	1	271	17.27					
100	PI2 BPSK	135	0	17.16			18.0	0.0	
100	PI2 BPSK	135	69	17.42			18.0	0.0	
100	PI2 BPSK	135	138	17.39			18.0	0.0	
100	PI2 BPSK	270	0	17.49			18.0	0.0	
100	QPSK	1	1	17.58					
100	QPSK	1	137	17.25			18.0	0.0	
100	QPSK	1	271	17.32					
100	QPSK	135	0	17.24			18.0	0.0	
100	QPSK	135	69	17.35			18.0	0.0	
100	QPSK	135	138	17.32			18.0	0.0	
100	QPSK	270	0	17.34			18.0	0.0	
100	16QAM	1	1	17.03			18.0	0.0	
100	64QAM	1	1	16.97			18.0	0.0	
100	256QAM	1	1	17.32			18.0	0.0	
Channel				633000	633334	633668	turn-up limit (dB)	MPR	
Frequency (MHz)				3456	3000.01	3026.02			
90	QPSK	1	1	17.52	17.27	17.31	18.0	0.0	
Channel				632668	633334	634000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3000.01	3510			
80	QPSK	1	1	17.57	17.26	17.14	18.0	0.0	
Channel				632334	633334	634334	turn-up limit (dB)	MPR	
Frequency (MHz)				3486.01	3000.01	3515.01			
70	QPSK	1	1	17.35	17.23	17.27	18.0	0.0	
Channel				632000	633334	634668	turn-up limit (dB)	MPR	
Frequency (MHz)				3450	3000.01	3520.02			
60	QPSK	1	1	17.41	17.20	17.23	18.0	0.0	
Channel				631668	633334	635000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3476.02	3000.01	3525			
50	QPSK	1	1	17.49	17.26	17.27	18.0	0.0	
Channel				631334	633334	635334	turn-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3000.01	3530.01			
40	QPSK	1	1	17.46	17.24	17.19	18.0	0.0	
Channel				631000	633334	635668	turn-up limit (dB)	MPR	
Frequency (MHz)				3450	3000.01	3536.02			
30	QPSK	1	1	17.54	17.22	17.14	18.0	0.0	
Channel				630834	633334	635834	turn-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3000.01	3537.51			
25	QPSK	1	1	17.56	17.24	17.13	18.0	0.0	
Channel				630668	633334	636000	turn-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3000.01	3540			
20	QPSK	1	1	17.52	17.16	17.22	18.0	0.0	
Channel				630500	633334	636168	turn-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3000.01	3542.52			
15	QPSK	1	1	17.41	17.20	17.26	18.0	0.0	
Channel				630334	633334	636334	turn-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3000.01	3545.01			
10	QPSK	1	1	17.39	17.34	17.12	18.0	0.0	

Part27Q n78 PC2 Main PA Ant5 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)				3000.01					
100	PI2 BPSK	1	1	20.08					
100	PI2 BPSK	1	137	20.27			21.0	0.0	
100	PI2 BPSK	1	271	20.14					
100	PI2 BPSK	135	0	19.98			21.0	0.0	
100	PI2 BPSK	135	69	20.30			21.0	0.0	
100	PI2 BPSK	135	138	19.96			21.0	0.0	
100	PI2 BPSK	270	0	20.06			21.0	0.0	
100	QPSK	1	1	20.45					
100	QPSK	1	137	20.11			21.0	0.0	
100	QPSK	1	271	20.26					
100	QPSK	135	0	20.14			21.0	0.0	
100	QPSK	135	69	20.35			21.0	0.0	
100	QPSK	135	138	20.16			21.0	0.0	
100	QPSK	270	0	20.05			21.0	0.0	
100	16QAM	1	1	19.90			21.0	0.0	
100	64QAM	1	1	19.85			21.0	0.0	
100	256QAM	1	1	20.37			21.0	0.0	
Channel				633000	633334	633668	turn-up limit (dBm)	MPR	
Frequency (MHz)				3456	3000.01	3026.02			
90	QPSK	1	1	20.27	20.37	20.12	21.0	0.0	
Channel				632668	633334	634000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3000.01	3510			
80	QPSK	1	1	20.40	20.36	20.30	21.0	0.0	
Channel				632334	633334	634334	turn-up limit (dB)	MPR	
Frequency (MHz)				3486.01	3000.01	3515.01			
70	QPSK	1	1	20.30	20.27	20.31	21.0	0.0	
Channel				632000	633334	634668	turn-up limit (dB)	MPR	
Frequency (MHz)				3450	3000.01	3520.02			
60	QPSK	1	1	20.33	20.23	20.24	21.0	0.0	
Channel				631668	633334	635000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3476.02	3000.01	3525			
50	QPSK	1	1	20.20	20.32	20.20	21.0	0.0	
Channel				631334	633334	635334	turn-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3000.01	3530.01			
40	QPSK	1	1	20.37	20.28	20.22	21.0	0.0	
Channel				631000	633334	635668	turn-up limit (dBm)	MPR	
Frequency (MHz)				3450	3000.01	3536.02			
30	QPSK	1	1	20.22	20.30	20.19	21.0	0.0	
Channel				630834	633334	635834	turn-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3000.01	3537.51			
25	QPSK	1	1	20.23	20.26	20.27	21.0	0.0	
Channel				630668	633334	636000	turn-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3000.01	3540			
20	QPSK	1	1	20.25	20.30	20.17	21.0	0.0	
Channel				630500	633334	636168	turn-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3000.01	3542.52			
15	QPSK	1	1	20.25	20.24	20.14	21.0	0.0	
Channel				630334	633334	636334	turn-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3000.01	3545.01			
10	QPSK	1	1	20.22	20.28	20.26	21.0	0.0	

Part27O n77 Main PA Ant6 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	17.60	17.67	17.41		
100	PI2 BPSK	1	137	17.45	17.44	17.41	19.0	0.0
100	PI2 BPSK	1	271	17.25	17.31	17.26		
100	PI2 BPSK	135	0	17.45	17.57	17.38	19.0	0.0
100	PI2 BPSK	135	69	17.39	17.49	17.36	19.0	0.0
100	PI2 BPSK	135	138	17.35	17.37	17.31		
100	PI2 BPSK	270	0	17.36	17.48	17.33	19.0	0.0
100	QPSK	1	1	17.57	17.69	17.50		
100	QPSK	1	137	17.55	17.52	17.54	19.0	0.0
100	QPSK	1	271	17.46	17.53	17.44		
100	QPSK	135	0	17.42	17.38	17.21	19.0	0.0
100	QPSK	135	69	17.58	17.61	17.57	19.0	0.0
100	QPSK	135	138	17.27	17.57	17.35	19.0	0.0
100	QPSK	270	0	17.38	17.53	17.42	19.0	0.0
100	8QAM	1	1	17.12	17.06	17.11	19.0	0.0
100	8QAM	1	1	17.13	17.15	17.16	19.0	0.0
100	25QAM	1	1	17.03	17.16	17.08	19.0	0.0
Channel								
Frequency (MHz)				649668	650000	652334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	17.50	17.52	17.37	19.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	17.52	17.66	17.41	19.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	17.49	17.50	17.40	19.0	0.0
Channel								
Frequency (MHz)				648668	650000	653334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	17.42	17.59	17.43	19.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	17.43	17.53	17.45	19.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	17.43	17.64	17.42	19.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	17.48	17.55	17.43	19.0	0.0
Channel								
Frequency (MHz)				647500	650000	654500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	17.54	17.52	17.32	19.0	0.0
Channel								
Frequency (MHz)				647334	650000	647668	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	17.39	17.58	17.44	19.0	0.0
Channel								
Frequency (MHz)				647168	650000	654834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	17.45	17.54	17.47	19.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	17.45	17.57	17.41	19.0	0.0

Part27O n77 PC2 Main PA Ant6 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	20.27	20.31	20.09		
100	PI2 BPSK	1	137	20.22	20.27	20.15	22.0	0.0
100	PI2 BPSK	1	271	20.05	20.13	20.04		
100	PI2 BPSK	135	0	20.38	20.32	20.27	22.0	0.0
100	PI2 BPSK	135	69	20.11	20.12	20.13	22.0	0.0
100	PI2 BPSK	135	138	20.25	20.30	20.23		
100	PI2 BPSK	270	0	20.15	20.31	20.27	22.0	0.0
100	QPSK	1	1	20.33	20.42	20.29		
100	QPSK	1	137	20.15	20.11	20.23	22.0	0.0
100	QPSK	1	271	20.26	20.26	20.26		
100	QPSK	135	0	20.10	20.23	20.03	22.0	0.0
100	QPSK	135	69	20.27	20.31	20.17	22.0	0.0
100	QPSK	135	138	20.05	20.20	20.25	22.0	0.0
100	QPSK	270	0	20.17	20.25	20.12	22.0	0.0
100	8QAM	1	1	20.16	20.26	20.22	22.0	0.0
100	8QAM	1	1	20.12	20.13	20.15	22.0	0.0
100	25QAM	1	1	20.12	20.10	20.03	22.0	0.0
Channel								
Frequency (MHz)				649668	650000	652334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	20.17	20.36	20.17	22.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	20.21	20.38	20.28	22.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	20.29	20.28	20.13	22.0	0.0
Channel								
Frequency (MHz)				648668	650000	653334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	20.14	20.29	20.15	22.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	20.22	20.32	20.25	22.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	20.30	20.38	20.17	22.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	20.30	20.35	20.23	22.0	0.0
Channel								
Frequency (MHz)				647500	650000	654500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	20.22	20.35	20.12	22.0	0.0
Channel								
Frequency (MHz)				647334	650000	647668	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	20.25	20.23	20.22	22.0	0.0
Channel								
Frequency (MHz)				647168	650000	654834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	20.26	20.39	20.25	22.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	20.14	20.27	20.13	22.0	0.0

Part27Q n77 Main PA Ant6 DS13

BW [MHz]	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	PI2 BPSK	1	1		17.69			
100	PI2 BPSK	1	137		17.54		19.0	0.0
100	PI2 BPSK	1	271		17.41			
100	PI2 BPSK	135	0		17.52		19.0	0.0
100	PI2 BPSK	135	69		17.51		19.0	0.0
100	PI2 BPSK	135	138		17.38		19.0	0.0
100	PI2 BPSK	270	0		17.63			
100	QPSK	1	1		17.74			
100	QPSK	1	137		17.58		19.0	0.0
100	QPSK	1	271		17.73			
100	QPSK	135	0		17.32		19.0	0.0
100	QPSK	135	69		17.60		19.0	0.0
100	QPSK	135	138		17.49		19.0	0.0
100	QPSK	270	0		17.50		19.0	0.0
100	16QAM	1	1		17.23		19.0	0.0
100	64QAM	1	1		17.13		19.0	0.0
100	25QAM	1	1		17.24		19.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	17.28	17.27	17.29	19.0	0.0
Channel								
Frequency (MHz)				633668	633334	634000	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	17.23	17.38	17.31	19.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	17.34	17.41	17.45	19.0	0.0
Channel								
Frequency (MHz)				633000	633334	634668	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	17.31	17.56	17.37	19.0	0.0
Channel								
Frequency (MHz)				633668	633334	635000	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	17.31	17.56	17.31	19.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	17.30	17.56	17.42	19.0	0.0
Channel								
Frequency (MHz)				633000	633334	636668	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	17.33	17.52	17.29	19.0	0.0
Channel								
Frequency (MHz)				633668	633334	636999	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	17.21	17.45	17.38	19.0	0.0
Channel								
Frequency (MHz)				633668	633334	637000	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	17.38	17.50	17.36	19.0	0.0
Channel								
Frequency (MHz)				633000	633334	638168	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	17.37	17.42	17.32	19.0	0.0
Channel								
Frequency (MHz)				633334	633334	638333	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	17.36	17.46	17.41	19.0	0.0

Part27Q n77 PC2 Main PA Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	633334			
Frequency (MHz)				20.54				
100	PI2 BPSK	1	1	20.46			22.0	0.0
100	PI2 BPSK	1	137	20.46				
100	PI2 BPSK	1	271	20.41				
100	PI2 BPSK	135	0	20.54			22.0	0.0
100	PI2 BPSK	135	69	20.29			22.0	0.0
100	PI2 BPSK	135	138	20.42				
100	PI2 BPSK	270	0	20.46			22.0	0.0
100	QPSK	1	1	20.59				
100	QPSK	1	137	20.38			22.0	0.0
100	QPSK	1	271	20.36				
100	QPSK	135	0	20.37			22.0	0.0
100	QPSK	135	69	20.52			22.0	0.0
100	QPSK	135	138	20.28			22.0	0.0
100	QPSK	270	0	20.48			22.0	0.0
100	8QAM	1	1	20.57			22.0	0.0
100	8QAM	1	1	20.14			22.0	0.0
100	25QAM	1	1	20.05			22.0	0.0
Channel				633000	633334	633668	time-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3503.02		
90	QPSK	1	1	20.48	20.44	20.24	22.0	0.0
Channel				632668	633334	634000	time-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.33	20.37	20.18	22.0	0.0
Channel				632334	633334	634334	time-up limit (dBm)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.48	20.37	20.33	22.0	0.0
Channel				632000	633334	634668	time-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3503.02		
60	QPSK	1	1	20.39	20.43	20.20	22.0	0.0
Channel				631668	633334	635000	time-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.46	20.53	20.18	22.0	0.0
Channel				631334	633334	635334	time-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.49	20.50	20.15	22.0	0.0
Channel				631000	633334	635668	time-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3503.02		
30	QPSK	1	1	20.46	20.41	20.22	22.0	0.0
Channel				630634	633334	636000	time-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3507.51		
25	QPSK	1	1	20.49	20.43	20.20	22.0	0.0
Channel				630300	633334	636334	time-up limit (dBm)	MPR
Frequency (MHz)				3450.02	3500.01	3540		
20	QPSK	1	1	20.38	20.53	20.23	22.0	0.0
Channel				630000	633334	636668	time-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.5		
15	QPSK	1	1	20.39	20.34	20.31	22.0	0.0
Channel				630334	633334	636334	time-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.41	20.36	20.19	22.0	0.0

Part27O n78 Main PA Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				18.00				
100	PI2 BPSK	1	1	17.95			19.0	0.0
100	PI2 BPSK	1	137	17.95				
100	PI2 BPSK	1	271	17.79				
100	PI2 BPSK	135	0	17.87			19.0	0.0
100	PI2 BPSK	135	69	18.00			19.0	0.0
100	PI2 BPSK	135	138	17.86				
100	PI2 BPSK	270	0	17.85			19.0	0.0
100	QPSK	1	1	18.15				
100	QPSK	1	137	17.91			19.0	0.0
100	QPSK	1	271	18.00				
100	QPSK	135	0	17.93			19.0	0.0
100	QPSK	135	69	17.98			19.0	0.0
100	QPSK	135	138	17.84			19.0	0.0
100	QPSK	270	0	17.92			19.0	0.0
100	8QAM	1	1	17.92			19.0	0.0
100	8QAM	1	1	17.46			19.0	0.0
100	25QAM	1	1	17.07			19.0	0.0
Channel				649668	650000	650334	time-up limit (dBm)	MPR
Frequency (MHz)				3743.02	3750	3753.01		
90	QPSK	1	1	17.09	18.00	17.73	19.0	0.0
Channel				649334	650000	650668	time-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.84	18.01	17.77	19.0	0.0
Channel				649000	650000	651000	time-up limit (dBm)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.87	17.83	17.78	19.0	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3750	3760.01		
60	QPSK	1	1	17.09	17.96	17.75	19.0	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.89	17.90	17.74	19.0	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	17.72	17.87	17.80	19.0	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	17.45	17.49	17.72	19.0	0.0
Channel				647000	650000	652500	time-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.73	17.80	17.71	19.0	0.0
Channel				646334	650000	652834	time-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.79	17.96	17.74	19.0	0.0
Channel				647168	650000	652834	time-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.00	17.81	17.70	19.0	0.0
Channel				647000	650000	653000	time-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.76	17.85	17.82	19.0	0.0

Part27O n78 PC2 Main PA Ant6 DSI3

BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				20.84				
100	PI2 BPSK	1	1	20.74			22.0	0.0
100	PI2 BPSK	1	137	20.74				
100	PI2 BPSK	1	271	20.77				
100	PI2 BPSK	135	0	20.80			22.0	0.0
100	PI2 BPSK	135	69	20.59			22.0	0.0
100	PI2 BPSK	135	138	20.77				
100	PI2 BPSK	270	0	20.80			22.0	0.0
100	QPSK	1	1	21.00				
100	QPSK	1	137	20.93			22.0	0.0
100	QPSK	1	271	20.76				
100	QPSK	135	0	20.75			22.0	0.0
100	QPSK	135	69	20.91			22.0	0.0
100	QPSK	135	138	20.75			22.0	0.0
100	QPSK	270	0	20.82			22.0	0.0
100	16QAM	1	1	20.73			22.0	0.0
100	64QAM	1	1	20.36			22.0	0.0
100	256QAM	1	1	20.37			22.0	0.0
Channel				649668	650000	650334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3750	3753.01		
90	QPSK	1	1	20.96	20.94	20.87	22.0	0.0
Channel				649334	650000	650668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.78	20.85	20.79	22.0	0.0
Channel				649000	650000	651000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.97	20.11	20.66	22.0	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3760.01		
60	QPSK	1	1	20.79	20.16	20.77	22.0	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.99	20.98	20.80	22.0	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	20.90	20.86	20.73	22.0	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	20.19	20.80	20.82	22.0	0.0
Channel				647000	650000	652500	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.92	20.98	20.81	22.0	0.0
Channel				647334	650000	652668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3785.02		
20	QPSK	1	1	20.98	20.97	20.86	22.0	0.0
Channel				647668	650000	652684	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.52	3750	3782.51		
17.5	QPSK	1	1	20.80	20.99	20.73	22.0	0.0
Channel				647000	650000	652636	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
16	QPSK	1	1	20.90	20.97	20.73	22.0	0.0

Part27Q n78 Main PA Ant6 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			19.0	0.0
Frequency (MHz)				3000.01				
100	PI2 BPSK	1	1	17.59				
100	PI2 BPSK	1	137	17.91				
100	PI2 BPSK	1	271	17.81				
100	PI2 BPSK	135	0	17.86				
100	PI2 BPSK	135	69	17.95				
100	PI2 BPSK	135	138	17.98				
100	PI2 BPSK	270	0	17.85				
100	QPSK	1	1	18.10				
100	QPSK	1	137	18.00				
100	QPSK	1	271	17.94				
100	QPSK	135	0	18.02				
100	QPSK	135	69	18.00				
100	QPSK	135	138	17.70				
100	QPSK	270	0	17.82				
100	16QAM	1	1	17.66				
100	64QAM	1	1	17.54				
100	256QAM	1	1	17.59				
Channel				633000	633334	633668	turn-up limit (dB)	MPR
Frequency (MHz)				3449	3000.01	3006.02	(dB)	
90	QPSK	1	1	18.08	18.00	17.90	19.0	0.0
Channel				632698	633334	634000	turn-up limit (dB)	MPR
Frequency (MHz)				3490.02	3000.01	3010	(dB)	
80	QPSK	1	1	18.08	17.93	17.82	19.0	0.0
Channel				632334	633334	634334	turn-up limit (dB)	MPR
Frequency (MHz)				3485.01	3000.01	3015.01	(dB)	
70	QPSK	1	1	18.02	17.90	17.92	19.0	0.0
Channel				632000	633334	634668	turn-up limit (dB)	MPR
Frequency (MHz)				3450	3000.01	3020.02	(dB)	
60	QPSK	1	1	18.02	17.90	17.83	19.0	0.0
Channel				631698	633334	635000	turn-up limit (dB)	MPR
Frequency (MHz)				3475.02	3000.01	3025	(dB)	
50	QPSK	1	1	17.95	17.83	18.01	19.0	0.0
Channel				631334	633334	635334	turn-up limit (dB)	MPR
Frequency (MHz)				3470.01	3000.01	3030.01	(dB)	
40	QPSK	1	1	18.05	18.07	17.83	19.0	0.0
Channel				631000	633334	635668	turn-up limit (dB)	MPR
Frequency (MHz)				3462	3000.01	3030.02	(dB)	
30	QPSK	1	1	18.01	18.02	17.90	19.0	0.0
Channel				630834	633334	635834	turn-up limit (dB)	MPR
Frequency (MHz)				3462.51	3000.01	3037.51	(dB)	
25	QPSK	1	1	18.05	17.93	17.78	19.0	0.0
Channel				630598	633334	636000	turn-up limit (dB)	MPR
Frequency (MHz)				3490.02	3000.01	3040	(dB)	
20	QPSK	1	1	18.05	18.08	17.96	19.0	0.0
Channel				630500	633334	636168	turn-up limit (dB)	MPR
Frequency (MHz)				3497.5	3000.01	3042.52	(dB)	
15	QPSK	1	1	17.95	17.90	17.89	19.0	0.0
Channel				630334	633334	636334	turn-up limit (dB)	MPR
Frequency (MHz)				3455.01	3000.01	3045.01	(dB)	
10	QPSK	1	1	18.03	18.06	18.01	19.0	0.0

Part27Q n78 PC2 Main PA Ant6 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633334			22.0	0.0		
Frequency (MHz)				3000.01						
100	PI2 BPSK	1	1	21.01						
100	PI2 BPSK	1	137	20.89						
100	PI2 BPSK	1	271	20.93						
100	PI2 BPSK	135	0	21.02			22.0	0.0		
100	PI2 BPSK	135	69	21.00			22.0	0.0		
100	PI2 BPSK	135	138	21.04			22.0	0.0		
100	PI2 BPSK	270	0	21.04			22.0	0.0		
100	QPSK	1	1	21.21			22.0	0.0		
100	QPSK	1	137	21.06						
100	QPSK	1	271	20.93						
100	QPSK	135	0	21.09						
100	QPSK	135	69	21.13						
100	QPSK	135	138	21.03			22.0	0.0		
100	QPSK	270	0	21.06			22.0	0.0		
100	16QAM	1	1	20.73			22.0	0.0		
100	64QAM	1	1	20.33			22.0	0.0		
100	256QAM	1	1	20.41			22.0	0.0		
Channel				633000	633334	633668	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3450	3000.01	3020.02	(dB)			
90	QPSK	1	1	21.02	21.04	20.99	22.0	0.0		
Channel				632698	633334	634000	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3490.02	3000.01	3010	(dB)			
80	QPSK	1	1	21.01	21.09	20.96	22.0	0.0		
Channel				632334	633334	634334	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3485.01	3000.01	3015.01	(dB)			
70	QPSK	1	1	21.01	21.19	20.94	22.0	0.0		
Channel				632000	633334	634668	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3450	3000.01	3020.02	(dB)			
60	QPSK	1	1	21.14	21.20	21.10	22.0	0.0		
Channel				631698	633334	635000	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3475.02	3000.01	3025	(dB)			
50	QPSK	1	1	21.11	21.00	20.98	22.0	0.0		
Channel				631334	633334	635334	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3470.01	3000.01	3030.01	(dB)			
40	QPSK	1	1	21.05	21.18	21.08	22.0	0.0		
Channel				631000	633334	635668	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3460	3000.01	3030.02	(dB)			
30	QPSK	1	1	21.14	21.15	21.08	22.0	0.0		
Channel				630834	633334	635834	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3462.51	3000.01	3037.51	(dB)			
25	QPSK	1	1	21.14	21.18	20.99	22.0	0.0		
Channel				630598	633334	636000	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3490.02	3000.01	3040	(dB)			
20	QPSK	1	1	21.13	21.07	21.05	22.0	0.0		
Channel				630500	633334	636168	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3497.5	3000.01	3042.52	(dB)			
15	QPSK	1	1	21.12	21.13	20.98	22.0	0.0		
Channel				630334	633334	636334	turn-up limit (dB)	MPR (dB)		
Frequency (MHz)				3455.01	3000.01	3045.01	(dB)			
10	QPSK	1	1	21.02	21.17	20.95	22.0	0.0		

Part27O n77 Main PA Ant7 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	19.32	19.37	19.24		
100	Pi2 BPSK	1	137	19.21	19.26	19.11	21.0	0.0
100	Pi2 BPSK	1	271	19.09	19.23	19.04		
100	Pi2 BPSK	135	0	19.18	19.25	19.06	21.0	0.0
100	Pi2 BPSK	135	69	19.27	19.32	19.16	21.0	0.0
100	Pi2 BPSK	135	138	19.21	19.15	19.15		
100	Pi2 BPSK	270	0	19.25	19.12	19.29	21.0	0.0
100	QPSK	1	1	19.34	19.51	19.44		
100	QPSK	1	137	19.18	19.27	19.25	21.0	0.0
100	QPSK	1	271	19.27	19.22	19.12		
100	QPSK	135	0	19.22	19.13	19.15	21.0	0.0
100	QPSK	135	69	19.27	19.45	19.12	21.0	0.0
100	QPSK	135	138	19.18	19.35	19.31	21.0	0.0
100	QPSK	270	0	19.38	19.42	19.37	21.0	0.0
100	8QAM	1	1	19.12	19.32	19.37	21.0	0.0
100	8QAM	1	1	19.15	19.24	19.14	21.0	0.0
100	25QAM	1	1	19.16	19.29	19.25	21.0	0.0
Channel								
Frequency (MHz)				649668	650000	652334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	19.20	19.20	19.44	21.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	19.02	19.03	19.08	21.0	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	19.17	19.18	19.37	21.0	0.0
Channel								
Frequency (MHz)				648668	650000	653334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	19.03	19.09	19.20	21.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	19.07	19.31	19.25	21.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	19.06	19.20	19.17	21.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	19.07	19.28	19.40	21.0	0.0
Channel								
Frequency (MHz)				647500	650000	654500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	19.03	19.22	19.17	21.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	19.01	19.06	19.12	21.0	0.0
Channel								
Frequency (MHz)				647168	650000	654834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	19.04	19.03	19.11	21.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	19.06	19.08	19.21	21.0	0.0

Part27O n77 PC2 Main PA Ant7 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	22.33	22.24	22.23		
100	Pi2 BPSK	1	137	22.31	22.41	22.10	24.0	0.0
100	Pi2 BPSK	1	271	22.04	22.32	22.22		
100	Pi2 BPSK	135	0	22.34	22.39	22.40	24.0	0.0
100	Pi2 BPSK	135	69	22.42	22.27	22.05	24.0	0.0
100	Pi2 BPSK	135	138	22.21	22.32	22.18		
100	Pi2 BPSK	270	0	22.09	22.33	22.32	24.0	0.0
100	QPSK	1	1	22.45	22.57	22.54		
100	QPSK	1	137	22.30	22.14	22.35	24.0	0.0
100	QPSK	1	271	22.02	22.26	22.18		
100	QPSK	135	0	22.38	22.29	22.36	24.0	0.0
100	QPSK	135	69	22.41	22.49	22.38	24.0	0.0
100	QPSK	135	138	22.32	22.26	22.33	24.0	0.0
100	QPSK	270	0	22.39	22.43	22.46		
100	8QAM	1	1	22.16	22.17	22.19	24.0	0.0
100	8QAM	1	1	21.12	21.17	21.21	23.0	1.0
100	25QAM	1	1	19.26	19.34	19.30	21.0	3.0
Channel								
Frequency (MHz)				649668	650000	652334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	22.10	22.37	22.34	24.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	22.09	22.44	22.30	24.0	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	22.23	22.32	22.28	24.0	0.0
Channel								
Frequency (MHz)				648668	650000	653334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	22.22	22.34	22.33	24.0	0.0
Channel								
Frequency (MHz)				648334	650000	650668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	22.28	22.33	22.38	24.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	22.28	22.33	22.23	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	22.05	22.08	22.13	24.0	0.0
Channel								
Frequency (MHz)				647500	650000	654500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	22.25	22.33	22.30	24.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	22.04	22.11	22.10	24.0	0.0
Channel								
Frequency (MHz)				647168	650000	654834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	22.01	22.25	22.05	24.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	22.17	22.42	22.33	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		19.37			
100	Pi2 BPSK	1	137		19.25		21.0	0.0
100	Pi2 BPSK	1	271		19.03			
100	Pi2 BPSK	135	0		19.24		21.0	0.0
100	Pi2 BPSK	135	69		19.34		21.0	0.0
100	Pi2 BPSK	135	138		19.10			
100	Pi2 BPSK	270	0		19.36		21.0	0.0
100	QPSK	1	1		19.46			
100	QPSK	1	137		19.42		21.0	0.0
100	QPSK	1	271		19.04			
100	QPSK	135	0		19.04		21.0	0.0
100	QPSK	135	69		19.33		21.0	0.0
100	QPSK	135	138		19.18		21.0	0.0
100	QPSK	270	0		19.11		21.0	0.0
100	8QAM	1	1		19.20		21.0	0.0
100	8QAM	1	1		19.35		21.0	0.0
100	25QAM	1	1		19.28		21.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	19.13	19.29	19.45	21.0	0.0
Channel								
Frequency (MHz)				633668	633334	634000	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	19.10	19.38	19.39	21.0	0.0
Channel								
Frequency (MHz)				634000	633334	634334	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	19.16	19.38	19.42	21.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	19.09	19.39	19.33	21.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	19.01	19.04	19.06	21.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	19.10	19.34	19.36	21.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	19.13	19.41	19.39	21.0	0.0
Channel								
Frequency (MHz)				630668	633334	635984	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	19.17	19.40	19.35	21.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	19.07	19.29	19.32	21.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	19.18	19.36	19.33	21.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	19.05	19.29	19.40	21.0	0.0

Part27Q n77 PC2 Main PA Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	633334			
Frequency (MHz)				22.51				
100	PI2 BPSK	1	1	22.35			24.0	0.0
100	PI2 BPSK	1	137	22.35				
100	PI2 BPSK	1	271	22.27				
100	PI2 BPSK	135	0	22.36			24.0	0.0
100	PI2 BPSK	135	69	22.21			24.0	0.0
100	PI2 BPSK	135	138	22.32			24.0	0.0
100	PI2 BPSK	270	0	22.34				
100	QPSK	1	1	22.42				
100	QPSK	1	137	22.10			24.0	0.0
100	QPSK	1	271	22.36				
100	QPSK	135	0	22.34			24.0	0.0
100	QPSK	135	69	22.37			24.0	0.0
100	QPSK	135	138	22.23			24.0	0.0
100	QPSK	270	0	22.24				
100	8QAM	1	1	22.30			24.0	0.0
100	8QAM	1	1	21.30			23.0	1.0
100	25QAM	1	1	19.16			21.0	3.0
Channel				633000	633334	633668	tune-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.12	22.11	22.23	24.0	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.25	22.37	22.09	24.0	0.0
Channel				632834	633334	633834	tune-up limit (dBm)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.25	22.40	22.15	24.0	0.0
Channel				632000	633334	633668	tune-up limit (dBm)	MPR
Frequency (MHz)				3490	3500.01	3510.02		
60	QPSK	1	1	22.28	22.27	22.11	24.0	0.0
Channel				631668	633334	633000	tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.28	22.27	22.09	24.0	0.0
Channel				631834	633334	633834	tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.16	22.22	22.11	24.0	0.0
Channel				631000	633334	633668	tune-up limit (dBm)	MPR
Frequency (MHz)				3460	3500.01	3515.02		
30	QPSK	1	1	22.30	22.29	22.08	24.0	0.0
Channel				630834	633334	633834	tune-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.12	22.37	22.15	24.0	0.0
Channel				630668	633334	633000	tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.09	22.23	22.08	24.0	0.0
Channel				630500	633334	633668	tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.5		
15	QPSK	1	1	22.21	22.26	22.20	24.0	0.0
Channel				630334	633334	633834	tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.13	22.38	22.02	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				20.51				
100	PI2 BPSK	1	1	20.48			21.5	0.0
100	PI2 BPSK	1	137	20.48				
100	PI2 BPSK	1	271	20.18				
100	PI2 BPSK	135	0	20.35			21.5	0.0
100	PI2 BPSK	135	69	20.37			21.5	0.0
100	PI2 BPSK	135	138	20.25			21.5	0.0
100	PI2 BPSK	270	0	20.26				
100	QPSK	1	1	20.58				
100	QPSK	1	137	20.20			21.5	0.0
100	QPSK	1	271	20.54				
100	QPSK	135	0	20.22			21.5	0.0
100	QPSK	135	69	20.46			21.5	0.0
100	QPSK	135	138	20.36			21.5	0.0
100	QPSK	270	0	20.41				
100	8QAM	1	1	20.17			21.5	0.0
100	8QAM	1	1	19.85			21.5	0.0
100	25QAM	1	1	20.47			21.5	0.0
Channel				649668	650000	650334	tune-up limit (dBm)	MPR
Frequency (MHz)				3742.02	3750	3763.01		
90	QPSK	1	1	20.19	20.12	20.47	21.5	0.0
Channel				648334	650000	650668	tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.37	20.55	20.28	21.5	0.0
Channel				648000	650000	651000	tune-up limit (dBm)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.45	20.45	20.29	21.5	0.0
Channel				648668	650000	651334	tune-up limit (dBm)	MPR
Frequency (MHz)				3742.02	3750	3761.01		
60	QPSK	1	1	20.11	20.35	20.27	21.5	0.0
Channel				648334	650000	651668	tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.34	20.56	20.31	21.5	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3790		
40	QPSK	1	1	20.37	20.41	20.43	21.5	0.0
Channel				647668	650000	652334	tune-up limit (dBm)	MPR
Frequency (MHz)				3712.02	3750	3763.01		
30	QPSK	1	1	20.18	20.42	20.33	21.5	0.0
Channel				647500	650000	652500	tune-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.46	20.48	20.43	21.5	0.0
Channel				647334	650000	652668	tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.26	20.47	20.32	21.5	0.0
Channel				647168	650000	652834	tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3762.51		
15	QPSK	1	1	20.43	20.51	20.34	21.5	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.34	20.54	20.34	21.5	0.0

Part27O n78 PC2 Main PA Ant7 DSI3

BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				22.21				
100	PI2 BPSK	1	1	22.02			24.5	0.0
100	PI2 BPSK	1	137	22.02				
100	PI2 BPSK	1	271	23.03				
100	PI2 BPSK	135	0	23.17			24.5	0.0
100	PI2 BPSK	135	69	23.10			24.5	0.0
100	PI2 BPSK	135	138	23.18			24.5	0.0
100	PI2 BPSK	270	0	23.25				
100	QPSK	1	1	23.28				
100	QPSK	1	137	23.13			24.5	0.0
100	QPSK	1	271	22.96				
100	QPSK	135	0	23.15			24.5	0.0
100	QPSK	135	69	23.18			24.5	0.0
100	QPSK	135	138	22.88			24.5	0.0
100	QPSK	270	0	23.13				
100	16QAM	1	1	23.04			24.5	0.0
100	64QAM	1	1	21.99			23.5	1.0
100	256QAM	1	1	20.48			21.5	3.0
Channel				649668	650000	650334	tune-up limit (dBm)	MPR
Frequency (MHz)				3742.02	3750	3763.01		
90	QPSK	1	1	22.89	23.14	22.91	24.5	0.0
Channel				648334	650000	650668	tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.93	23.13	22.85	24.5	0.0
Channel				648000	650000	651000	tune-up limit (dBm)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.10	23.14	22.91	24.5	0.0
Channel				648668	650000	651334	tune-up limit (dBm)	MPR
Frequency (MHz)				3742.02	3750	3761.01		
60	QPSK	1	1	22.95	23.18	22.78	24.5	0.0
Channel				648334	650000	651668	tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.00	23.17	22.91	24.5	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3790		
40	QPSK	1	1	22.88	23.15	22.96	24.5	0.0
Channel				647668	650000	652334	tune-up limit (dBm)	MPR
Frequency (MHz)				3712.02	3750	3763.01		
30	QPSK	1	1	22.90	23.11	22.86	24.5	0.0
Channel				647500	650000	652500	tune-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	22.92	23.11	22.98	24.5	0.0
Channel				647334	650000	652668	tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3785.02		
20	QPSK	1	1	23.00	23.02	22.91	24.5	0.0
Channel				647168	650000	652834	tune-up limit (dBm)	MPR
Frequency (MHz)				3707.51	3750	3782.51		
15	QPSK	1	1	22.89	23.14	22.95	24.5	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.04	23.16	22.82	24.5	0.0

Part27Q n78 Main PA Ant7 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3000.01	21.5	0.0	
Frequency (MHz)				20.33					
100	PI2 BPSK	1	1	20.26					
100	PI2 BPSK	1	137	20.26					
100	PI2 BPSK	1	271	20.10					
100	PI2 BPSK	135	0	20.26			21.5	0.0	
100	PI2 BPSK	135	69	20.20			21.5	0.0	
100	PI2 BPSK	135	138	20.02			21.5	0.0	
100	PI2 BPSK	270	0	20.19					
100	QPSK	1	1	20.45			21.5	0.0	
100	QPSK	1	137	20.09					
100	QPSK	1	271	20.41					
100	QPSK	135	0	20.21					
100	QPSK	135	69	20.31			21.5	0.0	
100	QPSK	135	138	20.16			21.5	0.0	
100	QPSK	270	0	20.23					
100	16QAM	1	1	19.99			21.5	0.0	
100	64QAM	1	1	19.64			21.5	0.0	
100	256QAM	1	1	20.37			21.5	0.0	
Channel				633000	633334	633668	turn-up limit (dB)	MPR	
Frequency (MHz)				3495	3000.01	3026.02	(dBm)		
90	QPSK	1	1	20.24	20.34	20.32	21.5	0.0	
Channel				632668	633334	634000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3000.01	3510	(dB)		
80	QPSK	1	1	20.33	20.37	20.32	21.5	0.0	
Channel				632334	633334	634334	turn-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3000.01	3515.01	(dB)		
70	QPSK	1	1	20.24	20.35	20.27	21.5	0.0	
Channel				632000	633334	634668	turn-up limit (dB)	MPR	
Frequency (MHz)				3480	3000.01	3520.02	(dBm)		
60	QPSK	1	1	20.21	20.34	20.29	21.5	0.0	
Channel				631668	633334	635000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3000.01	3525	(dB)		
50	QPSK	1	1	20.20	20.32	20.30	21.5	0.0	
Channel				631334	633334	635334	turn-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3000.01	3530.01	(dB)		
40	QPSK	1	1	20.37	20.30	20.40	21.5	0.0	
Channel				631000	633334	635668	turn-up limit (dB)	MPR	
Frequency (MHz)				3465	3000.01	3535.02	(dBm)		
30	QPSK	1	1	20.25	20.29	20.28	21.5	0.0	
Channel				630634	633334	635834	turn-up limit (dB)	MPR	
Frequency (MHz)				3462.51	3000.01	3537.51	(dB)		
25	QPSK	1	1	20.36	20.34	20.34	21.5	0.0	
Channel				630300	633334	636000	turn-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3000.01	3540	(dBm)		
20	QPSK	1	1	20.22	20.33	20.31	21.5	0.0	
Channel				630000	633334	636168	turn-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3000.01	3542.52	(dBm)		
15	QPSK	1	1	20.30	20.28	20.24	21.5	0.0	
Channel				630334	633334	636334	turn-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3000.01	3545.01	(dB)		
10	QPSK	1	1	20.18	20.39	20.30	21.5	0.0	

Part27Q n78 PC2 Main PA Ant7 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3000.01	24.5	0.0	
Frequency (MHz)				23.28					
100	PI2 BPSK	1	1	23.07					
100	PI2 BPSK	1	137	23.07					
100	PI2 BPSK	1	271	23.10			24.5	0.0	
100	PI2 BPSK	135	0	23.31					
100	PI2 BPSK	135	69	23.32			24.5	0.0	
100	PI2 BPSK	135	138	23.29			24.5	0.0	
100	PI2 BPSK	270	0	23.37					
100	QPSK	1	1	23.44			24.5	0.0	
100	QPSK	1	137	23.18					
100	QPSK	1	271	23.06					
100	QPSK	135	0	23.28					
100	QPSK	135	69	23.41			24.5	0.0	
100	QPSK	135	138	23.20			24.5	0.0	
100	QPSK	270	0	23.53					
100	16QAM	1	1	23.20			24.5	0.0	
100	64QAM	1	1	22.26			23.5	1.0	
100	256QAM	1	1	20.81			21.5	3.0	
Channel				633000	633334	633668	turn-up limit (dBm)	MPR	
Frequency (MHz)				3495	3000.01	3026.02	(dBm)		
90	QPSK	1	1	23.20	23.25	23.34	24.5	0.0	
Channel				632668	633334	634000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3000.01	3510	(dB)		
80	QPSK	1	1	23.28	23.38	23.21	24.5	0.0	
Channel				632334	633334	634334	turn-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3000.01	3515.01	(dBm)		
70	QPSK	1	1	23.10	23.24	23.14	24.5	0.0	
Channel				632000	633334	634668	turn-up limit (dB)	MPR	
Frequency (MHz)				3480	3000.01	3520.02	(dBm)		
60	QPSK	1	1	23.24	23.32	23.35	24.5	0.0	
Channel				631668	633334	635000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3000.01	3525	(dB)		
50	QPSK	1	1	23.18	23.34	23.33	24.5	0.0	
Channel				631334	633334	635334	turn-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3000.01	3530.01	(dBm)		
40	QPSK	1	1	23.29	23.29	23.26	24.5	0.0	
Channel				631000	633334	635668	turn-up limit (dB)	MPR	
Frequency (MHz)				3465	3000.01	3535.02	(dBm)		
30	QPSK	1	1	23.25	23.25	23.28	24.5	0.0	
Channel				630634	633334	635834	turn-up limit (dB)	MPR	
Frequency (MHz)				3462.51	3000.01	3537.51	(dBm)		
25	QPSK	1	1	23.10	23.25	23.17	24.5	0.0	
Channel				630300	633334	636000	turn-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3000.01	3540	(dBm)		
20	QPSK	1	1	23.23	23.35	23.28	24.5	0.0	
Channel				630000	633334	636168	turn-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3000.01	3542.52	(dBm)		
15	QPSK	1	1	23.29	23.34	23.17	24.5	0.0	
Channel				630334	633334	636334	turn-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3000.01	3545.01	(dB)		
10	QPSK	1	1	23.24	23.42	23.12	24.5	0.0	

DSI 3 Power for FR1 EN-DC Main PA

Part270 n78 Main PA Ant7 DSI3 ENDC											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low CL1 Power 650000	Power Mode CL1 Power 650000	Power High CL1 Power 650000	Time-up Intvl (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	PB2 BPSK	1	1	3750	3750	3750					
100	PB2 BPSK	1	137		17.31		18.5	0.0			
100	PB2 BPSK	1	271		17.04						
100	PB2 BPSK	135	0		17.34		18.5	0.0			
100	PB2 BPSK	135	69		17.33		18.5	0.0			
100	PB2 BPSK	135	135		17.07						
100	PB2 BPSK	270	0		17.15		18.5	0.0			
100	QPSK	1	1		17.53						
100	QPSK	1	137		17.10		18.5	0.0			
100	QPSK	1	271		17.49						
100	QPSK	135	0		17.10		18.5	0.0			
100	QPSK	135	69		17.37		18.5	0.0			
100	QPSK	135	135		17.34		18.5	0.0			
100	QPSK	270	0		17.31						
100	16QAM	1	1		16.77		18.5	0.0			
100	16QAM	1	1		17.08		18.5	0.0			
100	16QAM	1	1		17.43		18.5	0.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	649688	650000	650334	Time-up Intvl (dBm)	MPR			
90	QPSK	1	1	3745.02	3750	3760.01					
90	QPSK	1	1	17.28	17.48	17.29	18.5	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	649334	650000	650668	Time-up Intvl (dBm)	MPR			
80	QPSK	1	1	3740.01	3750	3760.02					
80	QPSK	1	1	17.29	17.49	17.23	18.5	0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	649000	650000	651000	Time-up Intvl (dBm)	MPR			
70	QPSK	1	1	3735	3750	3765					
70	QPSK	1	1	17.25	17.44	17.28	18.5	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	648668	650000	651334	Time-up Intvl (dBm)	MPR			
60	QPSK	1	1	3730.02	3750	3750.01					
60	QPSK	1	1	17.23	17.42	17.29	18.5	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	648334	650000	651668	Time-up Intvl (dBm)	MPR			
50	QPSK	1	1	3725.01	3750	3750.02					
50	QPSK	1	1	17.20	17.43	17.20	18.5	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	648000	650000	652000	Time-up Intvl (dBm)	MPR			
40	QPSK	1	1	3720	3750	3760					
40	QPSK	1	1	17.15	17.50	17.25	18.5	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	647668	650000	652334	Time-up Intvl (dBm)	MPR			
30	QPSK	1	1	3715.02	3750	3765.01					
30	QPSK	1	1	17.10	17.35	17.43	18.5	0.0			
Channel											
Frequency (MHz)											
25	QPSK	1	1	647500	650000	652500	Time-up Intvl (dBm)	MPR			
25	QPSK	1	1	3712.5	3750	3767.5					
25	QPSK	1	1	17.09	17.51	17.24	18.5	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	647334	650000	652668	Time-up Intvl (dBm)	MPR			
20	QPSK	1	1	3710.01	3750	3760.02					
20	QPSK	1	1	17.05	17.48	17.28	18.5	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	647000	650000	653000	Time-up Intvl (dBm)	MPR			
15	QPSK	1	1	3707.52	3750	3762.51					
15	QPSK	1	1	17.38	17.48	17.28	18.5	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	646500	650000	653500	Time-up Intvl (dBm)	MPR			
10	QPSK	1	1	3705	3750	3765					
10	QPSK	1	1	17.28	17.49	17.44	18.5	0.0			

Part270 n78 PC2 Main PA Ant7 DSI3 ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low CL1 Power 650000	Power Mode CL1 Power 650000	Power High CL1 Power 650000	Time-up Intvl (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PB2 BPSK	1	1	3750	3750	3750			
100	PB2 BPSK	1	137		19.59		21.5	0.0	
100	PB2 BPSK	1	271		19.80				
100	PB2 BPSK	135	0		20.04		21.5	0.0	
100	PB2 BPSK	135	69		19.90		21.5	0.0	
100	PB2 BPSK	135	135		20.68				
100	PB2 BPSK	270	0		20.09		21.5	0.0	
100	QPSK	1	1		20.18				
100	QPSK	1	137		20.10		21.5	0.0	
100	QPSK	1	271		19.80				
100	QPSK	135	0		20.11		21.5	0.0	
100	QPSK	135	69		19.99		21.5	0.0	
100	QPSK	135	135		19.89				
100	QPSK	270	0		20.06		21.5	0.0	
100	16QAM	1	1		20.03		21.5	0.0	
100	16QAM	1	1		19.89		21.5	0.0	
100	16QAM	1	1		20.04		21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	649888	650000	650334	Time-up Intvl (dBm)	MPR	
90	QPSK	1	1	3745.02	3750	3765.01			
90	QPSK	1	1	19.89	19.89	20.05	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650668	Time-up Intvl (dBm)	MPR	
80	QPSK	1	1	3740.01	3750	3763.02			
80	QPSK	1	1	19.92	20.14	20.03	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	649000	650000	651000	Time-up Intvl (dBm)	MPR	
70	QPSK	1	1	3735	3750	3765			
70	QPSK	1	1	19.87	20.01	19.96	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648668	650000	651334	Time-up Intvl (dBm)	MPR	
60	QPSK	1	1	3730.02	3750	3770.01			
60	QPSK	1	1	20.09	20.11	19.93	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	650000	651668	Time-up Intvl (dBm)	MPR	
50	QPSK	1	1	3725.01	3750	3775.02			
50	QPSK	1	1	19.95	20.07	19.89	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	Time-up Intvl (dBm)	MPR	
40	QPSK	1	1	3720	3750	3760			
40	QPSK	1	1	20.03	20.09	19.90	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647668	650000	652334	Time-up Intvl (dBm)	MPR	
30	QPSK	1	1	3715.02	3750	3765.01			
30	QPSK	1	1	19.89	20.00	20.04	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	647500	650000	652500	Time-up Intvl (dBm)	MPR	
25	QPSK	1	1	3712.5	3750	3767.5			
25	QPSK	1	1	20.02	19.97	19.86	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	652668	Time-up Intvl (dBm)	MPR	
20	QPSK	1	1	3710.01	3750	3760.02			
20	QPSK	1	1	20.00	20.00	20.00	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647000	650000	653000	Time-up Intvl (dBm)	MPR	
15	QPSK	1	1	3707.5	3750	3762.51			
15	QPSK	1	1	20.00	20.00	20.00	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Time-up Intvl (dBm)	MPR	
10	QPSK	1	1	3705	3750	3765			
10	QPSK	1	1	19.95	20.16	19.90	21.5	0.0	

Part27Q n78 Main PA Ant7 DS13 ENDC											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1/Frac.	Power Mode Ch. 1/Frac.	Power High Ch. 1/Frac.	Tune-up Intvl (dBm)	MPR (dB)			
Channel				633334		3500.01					
Frequency (MHz)				17.54							
100	P12 BPSK	1	1		17.13		18.5	0.0			
100	P12 BPSK	1	137		16.91						
100	P12 BPSK	1	271		17.13						
100	P12 BPSK	135	69		17.13						
100	P12 BPSK	135	69		17.08						
100	P12 BPSK	135	135		16.83		18.5	0.0			
100	P12 BPSK	270	0		17.07						
100	QPSK	1	1		17.28						
100	QPSK	1	137		16.99		18.5	0.0			
100	QPSK	1	271		17.27						
100	QPSK	135	69		17.15						
100	QPSK	135	69		17.26						
100	QPSK	135	135		17.11		18.5	0.0			
100	QPSK	270	0		17.07						
100	16QAM	1	1		16.84						
100	16QAM	1	1		16.48						
100	256QAM	1	1		17.16						
Channel				633000	633334	633668	Tune-up Intvl	MPR			
Frequency (MHz)				3492	3500.01	3508.02	(dBm)	(dB)			
90	QPSK	1	1	17.05	17.17	17.07					
Channel				632668	633334	634000	Tune-up Intvl	MPR			
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)			
80	QPSK	1	1	16.97	17.10	17.08					
Channel				632334	633334	634334	Tune-up Intvl	MPR			
Frequency (MHz)				3493.01	3500.01	3515.01	(dBm)	(dB)			
70	QPSK	1	1	17.43	17.22	17.09					
Channel				632000	633334	634668	Tune-up Intvl	MPR			
Frequency (MHz)				3490	3500.01	3520.02	(dBm)	(dB)			
60	QPSK	1	1	16.90	17.16	17.00					
Channel				631668	633334	635000	Tune-up Intvl	MPR			
Frequency (MHz)				3478.02	3500.01	3525	(dBm)	(dB)			
50	QPSK	1	1	17.04	17.07	16.97					
Channel				631334	633334	635334	Tune-up Intvl	MPR			
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)			
40	QPSK	1	1	17.03	17.09	17.00					
Channel				631000	633334	635668	Tune-up Intvl	MPR			
Frequency (MHz)				3465	3500.01	3536.02	(dBm)	(dB)			
30	QPSK	1	1	17.01	17.22	17.01					
Channel				630634	633334	635934	Tune-up Intvl	MPR			
Frequency (MHz)				3492.01	3500.01	3537.01	(dBm)	(dB)			
25	QPSK	1	1	17.04	17.25	16.98					
Channel				630668	633334	636000	Tune-up Intvl	MPR			
Frequency (MHz)				3490.02	3500.01	3545	(dBm)	(dB)			
20	QPSK	1	1	16.99	17.08	16.97					
Channel				630500	633334	636168	Tune-up Intvl	MPR			
Frequency (MHz)				3497.0	3500.01	3542.02	(dBm)	(dB)			
15	QPSK	1	1	16.97	17.22	17.07					
Channel				630334	633334	636264	Tune-up Intvl	MPR			
Frequency (MHz)				3495.01	3500.01	3545.01	(dBm)	(dB)			
10	QPSK	1	1	17.04	17.18	17.14					

Part27Q n78 PC2 Main PA Ant7 DSIS ENDC										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1/Frac.	Power Mode Ch. 1/Frac.	Power High Ch. 1/Frac.	Tune-up Intvl (dBm)	MPR (dB)		
Channel				633334		3500.01				
Frequency (MHz)				17.54						
100	P12 BPSK	1	1		17.13		21.5	0.0		
100	P12 BPSK	1	137		16.85					
100	P12 BPSK	1	271		16.86					
100	P12 BPSK	135	69		17.13					
100	P12 BPSK	135	69		16.95					
100	P12 BPSK	135	135		20.08		21.5	0.0		
100	P12 BPSK	270	0		20.05					
100	QPSK	1	1		20.15					
100	QPSK	1	137		16.91		21.5	0.0		
100	QPSK	1	271		16.75					
100	QPSK	135	69		20.03					
100	QPSK	135	69		20.07					
100	QPSK	135	135		16.94		21.5	0.0		
100	QPSK	270	0		20.05					
100	16QAM	1	1		19.93					
100	16QAM	1	1		18.96					
100	256QAM	1	1		20.06					
Channel				632000	633334	633668	Tune-up Intvl	MPR		
Frequency (MHz)				3492	3500.01	3508.02	(dBm)	(dB)		
90	QPSK	1	1	16.91	20.13	20.04				
Channel				632668	633334	634000	Tune-up Intvl	MPR		
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)		
80	QPSK	1	1	21.04	20.04	19.96				
Channel				632334	633334	634334	Tune-up Intvl	MPR		
Frequency (MHz)				3495.01	3500.01	3515.01	(dBm)	(dB)		
70	QPSK	1	1	16.91	20.14	20.03				
Channel				632000	633334	634668	Tune-up Intvl	MPR		
Frequency (MHz)				3490	3500.01	3520.02	(dBm)	(dB)		
60	QPSK	1	1	20.09	19.98	19.90				
Channel				631668	633334	635000	Tune-up Intvl	MPR		
Frequency (MHz)				3478.02	3500.01	3525	(dBm)	(dB)		
50	QPSK	1	1	20.04	19.17	19.92				
Channel				631334	633334	635334	Tune-up Intvl	MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)		
40	QPSK	1	1	19.98	20.09	19.99				
Channel				631000	633334	635668	Tune-up Intvl	MPR		
Frequency (MHz)				3465	3500.01	3536.02	(dBm)	(dB)		
30	QPSK	1	1	19.96	20.05	19.91				
Channel				630634	633334	635934	Tune-up Intvl	MPR		
Frequency (MHz)				3492.01	3500.01	3537.01	(dBm)	(dB)		
25	QPSK	1	1	19.09	20.00	20.01				
Channel				630668	633334	636000	Tune-up Intvl	MPR		
Frequency (MHz)				3490.02	3500.01	3545	(dBm)	(dB)		
20	QPSK	1	1	20.06	19.07	19.97				
Channel				630500	633334	636168	Tune-up Intvl	MPR		
Frequency (MHz)				3497.0	3500.01	3542.02	(dBm)	(dB)		
15	QPSK	1	1	20.03	19.98	19.91				
Channel				630334	633334	636264	Tune-up Intvl	MPR		
Frequency (MHz)				3495.01	3500.01	3545.01	(dBm)	(dB)		
10	QPSK	1	1	20.03	19.99	19.99				

DSI 4 Power for FR1 Main PA

n5 Main PA Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839	25.5	0.0
Frequency (MHz)				24.48	24.57	24.51		
20	PI/2 BPSK	1	1	24.41	24.51	24.38		
20	PI/2 BPSK	1	53	24.33	24.46	24.39		
20	PI/2 BPSK	1	104	24.16	24.21	24.15	25.0	0.5
20	PI/2 BPSK	50	0	24.54	24.59	24.51	25.5	0.0
20	PI/2 BPSK	50	28	24.12	24.21	24.17	25.0	0.5
20	PI/2 BPSK	50	56	24.13	24.18	24.10		
20	PI/2 BPSK	100	0	24.52	24.63	24.48	25.5	0.0
20	QPSK	1	1	24.43	24.53	24.41		
20	QPSK	1	53	24.37	24.46	24.33		
20	QPSK	1	104	23.65	23.71	23.61		
20	QPSK	50	0	24.56	24.61	24.54	24.5	1.0
20	QPSK	50	28	23.49	23.62	23.53	25.5	0.0
20	QPSK	50	56	23.60	23.66	23.52	24.5	1.0
20	QPSK	100	0	23.28	23.34	23.31		
20	16QAM	1	1	21.84	21.93	21.83	24.5	1.0
20	64QAM	1	1	20.66	20.69	20.61	23.0	2.5
20	256QAM	1	1	166300	167300	168300	21.0	4.5
Channel				831.5	836.5	841.5	25.5	0.0
Frequency (MHz)				24.48	24.53	24.44		
15	QPSK	1	1	165800	167300	168800	25.5	0.0
Channel				829	836.5	844		
Frequency (MHz)				24.55	24.59	24.40	25.5	0.0
10	QPSK	1	1	165300	167300	169300	25.5	0.0
Channel				826.5	836.5	846.5		
Frequency (MHz)				24.50	24.57	24.49	25.5	0.0
5	QPSK	1	1					

n5 Main PA Ant1 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Edge	Power Middle Ch. 1 Edge	Power High Ch. 1 Edge	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				834	836.5	839		
20	Pl2 BPSK	1	1	22.34	22.22	22.01		
20	Pl2 BPSK	1	53	22.11	22.23	22.03	24.0	0.0
20	Pl2 BPSK	1	104	22.12	22.12	22.17		
20	Pl2 BPSK	50	0	22.06	22.14	22.06	24.0	0.0
20	Pl2 BPSK	50	28	22.22	22.25	22.20	24.0	0.0
20	Pl2 BPSK	50	56	22.16	22.14	22.11	24.0	0.0
20	Pl2 BPSK	100	0	22.16	22.17	22.11		
20	QPSK	1	1	22.26	22.30	22.27		
20	QPSK	1	53	22.17	22.13	22.25	24.0	0.0
20	QPSK	1	104	22.16	22.07	22.09		
20	QPSK	50	0	22.58	22.16	22.16	24.0	0.0
20	QPSK	50	28	22.21	22.25	22.19	24.0	0.0
20	QPSK	50	56	22.09	22.15	22.09	24.0	0.0
20	QPSK	100	0	22.15	22.23	22.20		
20	8QAM	1	1	22.19	22.15	22.06	24.0	0.0
20	8QAM	1	1	21.20	21.27	21.19	23.0	1.0
20	25QAM	1	1	19.33	19.28	19.22	21.0	3.0
Channel								
Frequency (MHz)				166300	167300	168300	tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	831.3	831.5	831.6		
15	QPSK	1	1	22.11	22.19	22.15	24.0	0.0
Channel								
Frequency (MHz)				168800	167300	168800	tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	8309	836.5	844		
10	QPSK	1	1	22.18	22.26	22.25	24.0	0.0
Channel								
Frequency (MHz)				169300	167200	169200	tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	836.5	836.5	846.5		
5	QPSK	1	1	22.26	22.10	22.25	24.0	0.0

n7 Main PA Ant1 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Edge	Power Middle Ch. 1 Edge	Power High Ch. 1 Edge	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2525	2535	2545		
50	Pl2 BPSK	1	1	18.37	18.49	18.45		
50	Pl2 BPSK	1	135	18.39	18.41	18.34	19.0	0.0
50	Pl2 BPSK	1	268	18.25	18.51	18.20		
50	Pl2 BPSK	135	0	18.43	18.51	18.53	19.0	0.0
50	Pl2 BPSK	135	68	18.32	18.58	18.41	19.0	0.0
50	Pl2 BPSK	135	135	18.49	18.63	18.56	19.0	0.0
50	Pl2 BPSK	270	0	18.49	18.62	18.61		
50	QPSK	1	1	18.42	18.64	18.56		
50	QPSK	1	135	18.19	18.46	18.31	19.0	0.0
50	QPSK	1	268	18.16	18.37	18.34		
50	QPSK	135	0	18.47	18.42	18.31	19.0	0.0
50	QPSK	135	68	18.54	18.59	18.50	19.0	0.0
50	QPSK	135	135	18.37	18.46	18.51	19.0	0.0
50	QPSK	270	0	18.37	18.57	18.48		
50	8QAM	1	1	18.21	18.24	18.22	19.0	0.0
50	8QAM	1	1	18.14	18.26	18.06	19.0	0.0
50	25QAM	1	1	18.34	18.39	18.41	19.0	0.0
Channel								
Frequency (MHz)				504000	507000	510000	tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	2520	2535	2550		
40	QPSK	1	1	18.33	18.44	18.56	19.0	0.0
Channel								
Frequency (MHz)				505000	507000	511000	tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	2515	2535	2555		
30	QPSK	1	1	18.42	18.63	18.40	19.0	0.0
Channel								
Frequency (MHz)				505500	507000	511500	tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	2512.5	2535	2557.5		
25	QPSK	1	1	18.30	18.60	18.51	19.0	0.0
Channel								
Frequency (MHz)				506000	507000	512000	tune-up limit (dBm)	MPR (dB)
20	Pl2 BPSK	1	1	18.24	18.60	18.43	19.0	0.0
Channel								
Frequency (MHz)				501500	507000	512500	tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	2567.5	2535	2562.5		
15	QPSK	1	1	18.35	18.55	18.53	19.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	2565	2535	2565		
10	QPSK	1	1	18.34	18.43	18.43	19.0	0.0
Channel								
Frequency (MHz)				500500	507000	513500	tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	2562.5	2535	2567.5		
5	QPSK	1	1	18.36	18.59	18.35	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Edge	Power Middle Ch. 1 Edge	Power High Ch. 1 Edge	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1752.5	1745	1757.5		
45	Pl2 BPSK	1	1	15.10	15.25	15.33		
45	Pl2 BPSK	1	120	15.11	15.44	15.28	17.0	0.0
45	Pl2 BPSK	1	243	15.11	15.09	15.31		
45	Pl2 BPSK	120	0	15.19	15.48	15.32	17.0	0.0
45	Pl2 BPSK	120	60	15.32	15.41	15.25	17.0	0.0
45	Pl2 BPSK	120	120	15.45	15.51	15.43	17.0	0.0
45	Pl2 BPSK	240	0	15.40	15.22	15.31		
45	QPSK	1	1	15.52	15.55	15.38		
45	QPSK	1	120	14.95	15.25	15.07	17.0	0.0
45	QPSK	1	243	15.21	15.14	15.22		
45	QPSK	120	0	15.16	15.11	15.26	17.0	0.0
45	QPSK	120	60	15.29	15.51	15.42	17.0	0.0
45	QPSK	120	120	15.10	15.37	15.36	17.0	0.0
45	QPSK	240	0	15.21	15.35	15.11		
45	8QAM	1	1	15.17	15.23	15.19	17.0	0.0
45	8QAM	1	1	15.33	15.37	15.37	17.0	0.0
45	25QAM	1	1	15.27	15.19	15.27	17.0	0.0
Channel								
Frequency (MHz)				348000	349000	352000	tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	15.28	15.44	15.25	17.0	0.0
Channel								
Frequency (MHz)				348500	349000	352500	tune-up limit (dBm)	MPR (dB)
35	QPSK	1	1	15.35	15.52	15.33	17.0	0.0
Channel								
Frequency (MHz)				349000	349000	353000	tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	15.32	15.52	15.31	17.0	0.0
Channel								
Frequency (MHz)				348500	349000	353500	tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	15.34	15.52	15.23	17.0	0.0
Channel								
Frequency (MHz)				348000	349000	354000	tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	15.37	15.52	15.32	17.0	0.0
Channel								
Frequency (MHz)				345000	349000	354500	tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	15.51	15.45	15.32	17.0	0.0
Channel								
Frequency (MHz)				345000	349000	355000	tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	15.49	15.36	15.29	17.0	0.0
Channel								
Frequency (MHz)				342800	349000	356500	tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	15.47	15.53	15.53	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2590.02	2595	2599.99		
40	PI2 BPSK	1	1	17.20	17.34	17.16		
40	PI2 BPSK	1	53	17.15	17.29	16.99	18.0	0.0
40	PI2 BPSK	1	104	16.97	17.12	16.97		
40	PI2 BPSK	50	0	17.38	17.36	17.07	18.0	0.0
40	PI2 BPSK	50	28	17.24	17.26	17.05	18.0	0.0
40	PI2 BPSK	50	56	17.10	17.21	17.04		
40	PI2 BPSK	100	0	17.21	17.35	17.19	18.0	0.0
40	QPSK	1	1	17.15	17.41	17.22		
40	QPSK	1	53	17.07	17.18	17.14	18.0	0.0
40	QPSK	1	104	16.99	17.09	17.06		
40	QPSK	50	0	17.06	17.30	17.07	18.0	0.0
40	QPSK	50	28	17.09	17.33	17.28	18.0	0.0
40	QPSK	50	56	17.07	17.29	17.22	18.0	0.0
40	QPSK	100	0	17.22	17.39	17.24		
40	8QAM	1	1	17.16	17.37	17.23	18.0	0.0
40	8QAM	1	1	17.15	17.22	17.18	18.0	0.0
40	25QAM	1	1	17.21	17.36	17.29	18.0	0.0
Channel								
Frequency (MHz)				517002	518000	520998	tune-up limit (dB)	MPR
30	QPSK	1	1	17.12	17.34	17.00	19.0	0.0
Channel								
Frequency (MHz)				518504	519000	521496	tune-up limit (dB)	MPR
25	QPSK	1	1	17.04	17.23	17.04	18.0	0.0
Channel								
Frequency (MHz)				519000	519000	522000	tune-up limit (dB)	MPR
20	QPSK	1	1	17.13	17.32	17.22	18.0	0.0
Channel								
Frequency (MHz)				519502	519000	522498	tune-up limit (dB)	MPR
15	QPSK	1	1	17.01	17.31	17.14	18.0	0.0
Channel								
Frequency (MHz)				519004	519000	522996	tune-up limit (dB)	MPR
10	QPSK	1	1	17.09	17.38	17.06	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	17.74	17.85	17.76		
100	PI2 BPSK	1	137	17.61	17.83	17.71	19.0	0.0
100	PI2 BPSK	1	271	17.48	17.71	17.48		
100	PI2 BPSK	135	0	17.77	17.75	17.68	19.0	0.0
100	PI2 BPSK	135	69	17.73	17.86	17.71	19.0	0.0
100	PI2 BPSK	135	138	17.63	17.92	17.80		
100	PI2 BPSK	270	0	17.77	17.82	17.86	19.0	0.0
100	QPSK	1	1	17.93	17.97	17.81		
100	QPSK	1	137	17.72	17.93	17.69	19.0	0.0
100	QPSK	1	271	17.69	17.86	17.69		
100	QPSK	135	0	17.79	17.80	17.64	19.0	0.0
100	QPSK	135	69	17.70	17.94	17.81	19.0	0.0
100	QPSK	135	138	17.78	17.78	17.75	19.0	0.0
100	QPSK	270	0	17.85	17.88	17.81		
100	8QAM	1	1	17.66	17.93	17.76	19.0	0.0
100	8QAM	1	1	17.75	17.69	17.60	19.0	0.0
100	25QAM	1	1	17.87	17.86	17.95	19.0	0.0
Channel								
Frequency (MHz)				508200	518598	528998	tune-up limit (dB)	MPR
90	QPSK	1	1	17.75	17.96	17.72	19.0	0.0
Channel								
Frequency (MHz)				507204	518098	528998	tune-up limit (dB)	MPR
80	QPSK	1	1	17.82	17.85	17.83	19.0	0.0
Channel								
Frequency (MHz)				506202	518598	531000	tune-up limit (dB)	MPR
70	QPSK	1	1	17.92	17.78	17.77	19.0	0.0
Channel								
Frequency (MHz)				505200	518598	531996	tune-up limit (dB)	MPR
60	QPSK	1	1	17.92	17.78	17.77	19.0	0.0
Channel								
Frequency (MHz)				504204	518098	532998	tune-up limit (dB)	MPR
50	QPSK	1	1	17.87	17.87	17.73	19.0	0.0
Channel								
Frequency (MHz)				503202	518598	534000	tune-up limit (dB)	MPR
40	QPSK	1	1	17.81	17.94	17.79	19.0	0.0
Channel								
Frequency (MHz)				502200	518598	534996	tune-up limit (dB)	MPR
30	QPSK	1	1	17.87	17.96	17.76	19.0	0.0
Channel								
Frequency (MHz)				501204	518098	535998	tune-up limit (dB)	MPR
20	QPSK	1	1	17.79	17.88	17.82	19.0	0.0
Channel								
Frequency (MHz)				500202	518598	536998	tune-up limit (dB)	MPR
15	QPSK	1	1	17.76	17.77	17.83	19.0	0.0
Channel								
Frequency (MHz)				500202	518598	537000	tune-up limit (dB)	MPR
10	QPSK	1	1	17.72	17.96	17.71	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.86	16.96	17.03		
100	PI2 BPSK	1	137	16.97	17.03	16.93	18.5	0.0
100	PI2 BPSK	1	271	16.76	16.75	16.72		
100	PI2 BPSK	135	0	16.84	16.91	16.82	18.5	0.0
100	PI2 BPSK	135	69	17.04	17.02	17.04	18.5	0.0
100	PI2 BPSK	135	138	16.77	16.75	16.71		
100	PI2 BPSK	270	0	16.97	16.92	16.71	18.5	0.0
100	QPSK	1	1	17.05	17.12	17.09		
100	QPSK	1	137	16.81	16.98	16.93	18.5	0.0
100	QPSK	1	271	16.96	17.03	17.01		
100	QPSK	135	0	16.84	17.00	16.93	18.5	0.0
100	QPSK	135	69	16.96	17.04	16.91	18.5	0.0
100	QPSK	135	138	16.71	16.95	16.88	18.5	0.0
100	QPSK	270	0	16.90	16.94	16.93		
100	8QAM	1	1	16.63	16.86	16.68	18.5	0.0
100	8QAM	1	1	16.99	16.96	16.98	18.5	0.0
100	25QAM	1	1	16.66	16.85	16.74	18.5	0.0
Channel								
Frequency (MHz)				649668	659000	662334	tune-up limit (dB)	MPR
90	QPSK	1	1	16.92	17.09	17.04	18.5	0.0
Channel								
Frequency (MHz)				648334	659000	663668	tune-up limit (dB)	MPR
80	QPSK	1	1	16.99	17.07	16.95	18.5	0.0
Channel								
Frequency (MHz)				647000	659000	664000	tune-up limit (dB)	MPR
70	QPSK	1	1	16.96	17.08	17.03	18.5	0.0
Channel								
Frequency (MHz)				646968	659000	663334	tune-up limit (dB)	MPR
60	QPSK	1	1	17.02	17.00	16.92	18.5	0.0
Channel								
Frequency (MHz)				645334	659000	663668	tune-up limit (dB)	MPR
50	QPSK	1	1	16.98	16.94	16.97	18.5	0.0
Channel								
Frequency (MHz)				644000	659000	664000	tune-up limit (dB)	MPR
40	QPSK	1	1	16.87	16.93	17.05	18.5	0.0
Channel								
Frequency (MHz)				643668	659000	664334	tune-up limit (dB)	MPR
30	QPSK	1	1	16.91	17.06	17.05	18.5	0.0
Channel								
Frequency (MHz)				643000	659000	664500	tune-up limit (dB)	MPR
25	QPSK	1	1	16.86	16.99	17.02	18.5	0.0
Channel								
Frequency (MHz)				642334	659000	664868	tune-up limit (dB)	MPR
20	QPSK	1	1	16.89	17.02	16.90	18.5	0.0
Channel								
Frequency (MHz)				641668	659000	664834	tune-up limit (dB)	MPR
15	QPSK	1	1	16.93	17.02	17.06	18.5	0.0
Channel								
Frequency (MHz)				641000	659000	665000	tune-up limit (dB)	MPR
10	QPSK	1	1	16.99	16.96	17.01	18.5	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								
Frequency (MHz)				3700	3840	3930		
100	Pi2 BPSK	1	1	20.15	20.17	20.02		
100	Pi2 BPSK	1	137	20.05	20.14	19.98	21.5	0.0
100	Pi2 BPSK	1	271	20.15	20.04	20.06		
100	Pi2 BPSK	135	0	20.09	20.12	19.99	21.5	0.0
100	Pi2 BPSK	135	69	20.20	20.14	20.02	21.5	0.0
100	Pi2 BPSK	135	138	19.95	20.17	20.00		
100	Pi2 BPSK	270	0	20.15	20.12	20.12	21.5	0.0
100	QPSK	1	1	20.20	20.22	20.18		
100	QPSK	1	137	20.14	20.08	20.07	21.5	0.0
100	QPSK	1	271	20.03	20.15	20.04		
100	QPSK	135	0	20.08	20.11	20.02	21.5	0.0
100	QPSK	135	69	20.14	20.20	20.17	21.5	0.0
100	QPSK	135	138	20.03	20.16	20.00	21.5	0.0
100	QPSK	270	0	20.17	20.18	20.13	21.5	0.0
100	8QAM	1	1	20.10	20.03	20.18	21.5	0.0
100	8QAM	1	1	20.12	20.09	20.02	21.5	0.0
100	25QAM	1	1	19.29	19.20	19.14	20.5	1.0
Channel								
Frequency (MHz)				649668	650000	652334	tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.11	20.10	20.18	21.5	0.0
Channel								
Frequency (MHz)				649334	650000	650668	tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.01	20.09	20.01	21.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	limit (dBm)	MPR (dB)
70	QPSK	1	1	20.00	20.02	20.02	21.5	0.0
Channel								
Frequency (MHz)				648668	650000	653334	tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.09	20.16	20.06	21.5	0.0
Channel								
Frequency (MHz)				648334	650000	650668	tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.09	20.06	20.08	21.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	limit (dBm)	MPR (dB)
40	QPSK	1	1	20.07	20.08	19.99	21.5	0.0
Channel								
Frequency (MHz)				647668	650000	654334	tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.05	20.21	20.13	21.5	0.0
Channel								
Frequency (MHz)				647000	650000	654000	tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.07	20.18	20.10	21.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	limit (dBm)	MPR (dB)
20	QPSK	1	1	20.10	20.06	20.04	21.5	0.0
Channel								
Frequency (MHz)				647168	650000	654834	tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.00	20.03	20.03	21.5	0.0
Channel								
Frequency (MHz)				647000	650000	650000	tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.19	20.21	19.99	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					353334			
100	Pi2 BPSK	1	1		3500.12			
100	Pi2 BPSK	1	137		17.11			
100	Pi2 BPSK	1	271		17.02		18.5	0.0
100	Pi2 BPSK	135	0		17.00		18.5	0.0
100	Pi2 BPSK	135	69		17.21		18.5	0.0
100	Pi2 BPSK	135	138		16.94			
100	Pi2 BPSK	270	0		17.02		18.5	0.0
100	QPSK	1	1		17.25			
100	QPSK	1	137		17.15		18.5	0.0
100	QPSK	1	271		17.06			
100	QPSK	135	0		16.99		18.5	0.0
100	QPSK	135	69		17.17		18.5	0.0
100	QPSK	135	138		17.09		18.5	0.0
100	QPSK	270	0		17.19		18.5	0.0
100	8QAM	1	1		16.94		18.5	0.0
100	8QAM	1	1		16.83		18.5	0.0
100	25QAM	1	1		17.20		18.5	0.0
Channel								
Frequency (MHz)				633000	633334	633668	tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.09	17.22	17.11	18.5	0.0
Channel								
Frequency (MHz)				632668	633334	634000	tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.11	17.10	16.94	18.5	0.0
Channel								
Frequency (MHz)				632334	633334	634334	tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	17.00	17.10	17.01	18.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.02	17.14	16.92	18.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.06	17.13	17.08	18.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.08	17.15	17.00	18.5	0.0
Channel								
Frequency (MHz)				631000	633334	635668	tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.09	17.22	16.99	18.5	0.0
Channel								
Frequency (MHz)				630634	633334	635934	tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	17.11	17.21	16.96	18.5	0.0
Channel								
Frequency (MHz)				630334	633334	636200	tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.97	17.09	17.10	18.5	0.0
Channel								
Frequency (MHz)				630000	633334	636168	tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.06	17.16	17.06	18.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.08	17.09	16.93	18.5	0.0

Part27Q n77 PC2 Main PA Ant1 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					635334				
100	Pi2 BPSK	1	1		20.30				
100	Pi2 BPSK	1	137		20.35		21.5	0.0	
100	Pi2 BPSK	1	271		20.35				
100	Pi2 BPSK	135	0		20.38		21.5	0.0	
100	Pi2 BPSK	135	69		20.38		21.5	0.0	
100	Pi2 BPSK	135	138		20.41				
100	Pi2 BPSK	270	0		20.36		21.5	0.0	
100	QPSK	1	1		20.45				
100	QPSK	1	137		20.36		21.5	0.0	
100	QPSK	1	271		20.27				
100	QPSK	135	0		20.35		21.5	0.0	
100	QPSK	135	69		20.44		21.5	0.0	
100	QPSK	135	138		20.30		21.5	0.0	
100	QPSK	270	0		20.42		21.5	0.0	
100	8QAM	1	1		20.41		21.5	0.0	
100	8QAM	1	1		20.43		21.5	0.0	
100	25QAM	1	1		19.45		20.5	1.0	
Channel									
Frequency (MHz)				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		20.18	20.33	20.11	21.5	0.0
Channel									
Frequency (MHz)				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		20.13	20.28	20.09	21.5	0.0
Channel									
Frequency (MHz)				632334	633334	634334	tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		20.17	20.28	20.12	21.5	0.0
Channel									
Frequency (MHz)				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		20.10	20.39	20.23	21.5	0.0
Channel									
Frequency (MHz)				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		20.13	20.36	20.08	21.5	0.0
Channel									
Frequency (MHz)				631334	633334	635334	tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		20.18	20.30	20.25	21.5	0.0
Channel									
Frequency (MHz)				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		20.13	20.39	20.24	21.5	0.0
Channel									
Frequency (MHz)				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1		20.10	20.37	20.21	21.5	0.0
Channel									
Frequency (MHz)				630334	633334	636334	tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		20.13	20.39	20.24	21.5	0.0
Channel									
Frequency (MHz)				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		20.12	20.20	20.35	21.5	0.0
Channel									
Frequency (MHz)				3455.01	3500.01	3545.01	tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		20.20	20.31	20.25	21.5	0.0

Part270 n78 Main PA Ant1 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		17.14			18.0	0.0
100	PI2 BPSK	1	137		16.99				
100	PI2 BPSK	1	271		16.87				
100	PI2 BPSK	135	0		18.82		18.0	0.0	
100	PI2 BPSK	135	69		17.10		18.0	0.0	
100	PI2 BPSK	135	138		16.91		18.0	0.0	
100	PI2 BPSK	270	0		16.98		18.0	0.0	
100	QPSK	1	1		17.15			18.0	0.0
100	QPSK	1	137		17.07				
100	QPSK	1	271		17.06				
100	QPSK	135	0		17.06		18.0	0.0	
100	QPSK	135	69		17.10		18.0	0.0	
100	QPSK	135	138		17.03		18.0	0.0	
100	QPSK	270	0		17.00		18.0	0.0	
100	16QAM	1	1		16.93		18.0	0.0	
100	64QAM	1	1		16.96		18.0	0.0	
100	256QAM	1	1		16.95		18.0	0.0	
Channel				649698	650000	650334	tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3763.01	(dB)		
90	QPSK	1	1		17.05	17.14	16.97	18.0	0.0
Channel				649334	650000	650698	tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dB)		
80	QPSK	1	1		16.99	17.11	16.95	18.0	0.0
Channel				649000	650000	651000	tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dB)		
70	QPSK	1	1		17.01	17.11	17.01	18.0	0.0
Channel				648698	650000	651334	tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dB)		
60	QPSK	1	1		16.95	17.05	17.04	18.0	0.0
Channel				648334	650000	651698	tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dB)		
50	QPSK	1	1		16.96	17.06	16.93	18.0	0.0
Channel				648000	650000	652000	tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dB)		
40	QPSK	1	1		16.89	17.14	16.99	18.0	0.0
Channel				647698	650000	652334	tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3783.01	(dB)		
30	QPSK	1	1		16.85	17.05	17.05	18.0	0.0
Channel				647500	650000	652500	tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dB)		
25	QPSK	1	1		16.94	17.12	17.04	18.0	0.0
Channel				647334	650000	652698	tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dB)		
20	QPSK	1	1		16.91	17.13	16.94	18.0	0.0
Channel				647198	650000	652834	tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3793.51	(dB)		
15	QPSK	1	1		16.87	17.05	16.96	18.0	0.0
Channel				647000	650000	653000	tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dB)		
10	QPSK	1	1		17.00	17.00	16.97	18.0	0.0

Part270 n78 PC2 Main PA Ant1 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		19.99			21.0	0.0
100	PI2 BPSK	1	137		19.89				
100	PI2 BPSK	1	271		19.88				
100	PI2 BPSK	135	0		20.00		21.0	0.0	
100	PI2 BPSK	135	69		19.73		21.0	0.0	
100	PI2 BPSK	135	138		19.79		21.0	0.0	
100	PI2 BPSK	270	0		19.89		21.0	0.0	
100	QPSK	1	1		20.01			21.0	0.0
100	QPSK	1	137		19.78				
100	QPSK	1	271		19.76				
100	QPSK	135	0		19.92		21.0	0.0	
100	QPSK	135	69		20.00		21.0	0.0	
100	QPSK	135	138		19.80		21.0	0.0	
100	QPSK	270	0		19.84		21.0	0.0	
100	16QAM	1	1		19.82		21.0	0.0	
100	64QAM	1	1		19.41		21.0	0.0	
100	256QAM	1	1		19.97		21.0	0.0	
Channel				649698	650000	650334	tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3763.01	(dBm)		
90	QPSK	1	1		19.84	19.95	19.97	21.0	0.0
Channel				649334	650000	650698	tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)		
80	QPSK	1	1		19.83	19.97	19.79	21.0	0.0
Channel				649000	650000	651000	tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1		19.84	19.90	19.89	21.0	0.0
Channel				648698	650000	651334	tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)		
60	QPSK	1	1		19.95	19.97	19.75	21.0	0.0
Channel				648334	650000	651698	tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)		
50	QPSK	1	1		19.90	19.87	19.91	21.0	0.0
Channel				648000	650000	652000	tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1		19.88	19.98	19.76	21.0	0.0
Channel				647698	650000	652334	tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3783.01	(dBm)		
30	QPSK	1	1		19.95	19.95	19.73	21.0	0.0
Channel				647500	650000	652500	tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	1		19.78	19.86	19.90	21.0	0.0
Channel				647334	650000	652698	tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)		
20	QPSK	1	1		19.84	20.00	19.84	21.0	0.0
Channel				647198	650000	652834	tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3793.51	(dBm)		
15	QPSK	1	1		19.79	19.83	19.85	21.0	0.0
Channel				647000	650000	653000	tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1		19.77	19.89	19.71	21.0	0.0

Part27Q n78 Main PA Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3500.01				
Frequency (MHz)					17.53				
100	Pi/2 BPSK	1	1		17.19		18.0	0.0	
100	Pi/2 BPSK	1	137		17.24				
100	Pi/2 BPSK	1	271		16.99				
100	Pi/2 BPSK	135	0		16.89		18.0	0.0	
100	Pi/2 BPSK	135	69		17.19		18.0	0.0	
100	Pi/2 BPSK	135	138		17.08				
100	Pi/2 BPSK	270	0		17.29		18.0	0.0	
100	QPSK	1	1		17.44				
100	QPSK	1	137		17.30		18.0	0.0	
100	QPSK	1	271		17.24				
100	QPSK	135	0		17.35		18.0	0.0	
100	QPSK	135	69		17.40		18.0	0.0	
100	QPSK	135	138		17.22		18.0	0.0	
100	QPSK	270	0		17.12		18.0	0.0	
100	64QAM	1	1		17.12		18.0	0.0	
100	64QAM	1	1		16.85		18.0	0.0	
100	256QAM	1	1		17.07		18.0	0.0	
Channel					633000	633334	633668	time-up limit (dB)	MPR
Frequency (MHz)					3486	3503.01	3520.02	up limit (dB)	
90	QPSK	1	1		17.22	17.19	16.92	18.0	0.0
Channel					632668	633334	634000	time-up limit (dBm)	MPR
Frequency (MHz)					3490.02	3500.01	3510	18.0	0.0
80	QPSK	1	1		17.02	17.17	17.06	18.0	0.0
Channel					632334	633334	634334	time-up limit (dB)	MPR
Frequency (MHz)					3485.01	3500.01	3515.01	18.0	0.0
70	QPSK	1	1		17.11	17.14	17.01	18.0	0.0
Channel					632000	633334	634668	time-up limit (dB)	MPR
Frequency (MHz)					3490	3503.01	3520.02	up limit (dB)	
60	QPSK	1	1		17.11	17.07	16.93	18.0	0.0
Channel					631668	633334	635000	time-up limit (dBm)	MPR
Frequency (MHz)					3475.02	3500.01	3525	18.0	0.0
50	QPSK	1	1		17.19	17.21	16.93	18.0	0.0
Channel					631334	633334	635334	time-up limit (dB)	MPR
Frequency (MHz)					3470.01	3500.01	3530.01	18.0	0.0
40	QPSK	1	1		17.11	17.25	16.95	18.0	0.0
Channel					631000	633334	635668	time-up limit (dB)	MPR
Frequency (MHz)					3465	3503.01	3523.02	up limit (dB)	
30	QPSK	1	1		17.11	17.23	16.98	18.0	0.0
Channel					630634	633334	635834	time-up limit (dBm)	MPR
Frequency (MHz)					3462.51	3500.01	3537.51	18.0	0.0
25	QPSK	1	1		17.14	17.20	16.97	18.0	0.0
Channel					630300	633334	636000	time-up limit (dB)	MPR
Frequency (MHz)					3460.02	3500.01	3540	18.0	0.0
20	QPSK	1	1		17.22	17.09	17.09	18.0	0.0
Channel					630500	633334	636168	time-up limit (dB)	MPR
Frequency (MHz)					3462.5	3503.01	3542.52	up limit (dB)	
15	QPSK	1	1		17.08	17.14	17.05	18.0	0.0
Channel					630334	633334	636334	time-up limit (dBm)	MPR
Frequency (MHz)					3455.01	3500.01	3545.01	18.0	0.0
10	QPSK	1	1		17.22	17.08	16.98	18.0	0.0

Part27Q n78 PC2 Main PA Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3500.01				
Frequency (MHz)					20.12				
100	Pi/2 BPSK	1	1		19.92				
100	Pi/2 BPSK	1	137		19.92		21.0	0.0	
100	Pi/2 BPSK	1	271		19.87				
100	Pi/2 BPSK	135	0		20.23		21.0	0.0	
100	Pi/2 BPSK	135	69		19.82		21.0	0.0	
100	Pi/2 BPSK	135	138		19.79				
100	Pi/2 BPSK	270	0		20.19		21.0	0.0	
100	QPSK	1	1		20.29				
100	QPSK	1	137		20.05		21.0	0.0	
100	QPSK	1	271		19.97				
100	QPSK	135	0		20.07		21.0	0.0	
100	QPSK	135	69		20.22		21.0	0.0	
100	QPSK	135	138		20.14		21.0	0.0	
100	QPSK	270	0		20.12		21.0	0.0	
100	64QAM	1	1		19.98		21.0	0.0	
100	64QAM	1	1		19.66		21.0	0.0	
100	256QAM	1	1		20.10		21.0	0.0	
Channel					633000	633334	633668	time-up limit (dB)	MPR
Frequency (MHz)					3486	3503.01	3520.02	up limit (dB)	
90	QPSK	1	1		20.03	20.00	19.92	21.0	0.0
Channel					632668	633334	634000	time-up limit (dBm)	MPR
Frequency (MHz)					3490.02	3500.01	3510	18.0	0.0
80	QPSK	1	1		20.04	19.98	19.98	21.0	0.0
Channel					632334	633334	634334	time-up limit (dB)	MPR
Frequency (MHz)					3485.01	3500.01	3515.01	18.0	0.0
70	QPSK	1	1		19.96	20.07	19.88	21.0	0.0
Channel					632000	633334	634668	time-up limit (dB)	MPR
Frequency (MHz)					3490	3503.01	3520.02	up limit (dB)	
60	QPSK	1	1		20.06	20.12	20.01	21.0	0.0
Channel					631668	633334	635000	time-up limit (dBm)	MPR
Frequency (MHz)					3475.02	3500.01	3525	18.0	0.0
50	QPSK	1	1		20.00	19.98	19.89	21.0	0.0
Channel					631334	633334	635334	time-up limit (dB)	MPR
Frequency (MHz)					3470.01	3500.01	3530.01	18.0	0.0
40	QPSK	1	1		20.01	20.08	19.84	21.0	0.0
Channel					631000	633334	635668	time-up limit (dB)	MPR
Frequency (MHz)					3465	3503.01	3523.02	up limit (dB)	
30	QPSK	1	1		19.93	20.04	20.01	21.0	0.0
Channel					630634	633334	635834	time-up limit (dBm)	MPR
Frequency (MHz)					3462.51	3500.01	3537.51	18.0	0.0
25	QPSK	1	1		20.12	19.99	19.79	21.0	0.0
Channel					630300	633334	636000	time-up limit (dB)	MPR
Frequency (MHz)					3460.02	3500.01	3540	18.0	0.0
20	QPSK	1	1		20.06	20.12	19.85	21.0	0.0
Channel					630500	633334	636168	time-up limit (dB)	MPR
Frequency (MHz)					3462.5	3503.01	3542.52	up limit (dB)	
15	QPSK	1	1		20.14	19.95	19.95	21.0	0.0
Channel					630334	633334	636334	time-up limit (dBm)	MPR
Frequency (MHz)					3455.01	3500.01	3545.01	18.0	0.0
10	QPSK	1	1		19.98	19.98	19.90	21.0	0.0

n7 Main PA Ant2 DSI4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	21.23	21.33	21.24		
50	PI2 BPSK	1	135	21.07	21.23	21.21	22.2	0.0
50	PI2 BPSK	1	268	20.80	21.17	20.89		
50	PI2 BPSK	135	0	21.17	21.38	21.23	22.2	0.0
50	PI2 BPSK	135	68	21.13	21.15	21.20	22.2	0.0
50	PI2 BPSK	135	135	21.07	21.19	21.19	22.2	0.0
50	PI2 BPSK	270	0	21.27	21.28	21.32		
50	QPSK	1	1	21.33	21.37	21.23		
50	QPSK	1	135	21.13	21.25	21.07	22.2	0.0
50	QPSK	1	268	21.01	21.06	21.07		
50	QPSK	135	0	21.19	21.23	21.18	22.2	0.0
50	QPSK	135	68	21.14	21.27	21.23	22.2	0.0
50	QPSK	135	135	21.05	21.23	21.21	22.2	0.0
50	QPSK	270	0	21.10	21.19	21.17		
50	16QAM	1	1	21.14	21.20	21.24	22.2	0.0
50	64QAM	1	1	21.18	21.13	21.16	22.2	0.0
50	256QAM	1	1	20.32	20.49	20.44	21.2	1.0
Channel				504000	507000	510000	limit (dBm)	MPR
Frequency (MHz)				2550	2555	2560	limit (dBm)	
40	QPSK	1	1	21.19	21.16	21.15	22.2	0.0
Channel				503000	507000	511000	limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555	limit (dBm)	
30	QPSK	1	1	21.15	21.20	21.24	22.2	0.0
Channel				502500	507000	511500	limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit (dBm)	
25	QPSK	1	1	21.18	21.20	21.17	22.2	0.0
Channel				502000	507000	512000	limit (dBm)	MPR
Frequency (MHz)				2510	2534	2560	limit (dBm)	
20	PI2 BPSK	1	1	21.26	21.18	21.09	22.2	0.0
Channel				501500	507000	512500	limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit (dBm)	
15	QPSK	1	1	21.32	21.31	21.08	22.2	0.0
Channel				501000	507000	513000	limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565	limit (dBm)	
10	QPSK	1	1	21.30	21.26	21.07	22.2	0.0
Channel				500500	507000	513500	limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit (dBm)	
5	QPSK	1	1	21.14	21.22	21.08	22.2	0.0

n66 Main PA Ant2 DSI4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI2 BPSK	1	1	21.14	21.18	21.23		
45	PI2 BPSK	1	120	21.07	21.24	21.08	22.0	0.0
45	PI2 BPSK	1	243	20.75	20.96	20.87		
45	PI2 BPSK	120	0	21.13	21.21	21.03	22.0	0.0
45	PI2 BPSK	120	60	21.13	21.19	21.16	22.0	0.0
45	PI2 BPSK	120	120	21.08	21.22	21.03	22.0	0.0
45	PI2 BPSK	240	0	21.19	21.35	21.32		
45	QPSK	1	1	21.31	21.42	21.38		
45	QPSK	1	120	21.24	21.09	21.15	22.0	0.0
45	QPSK	1	243	21.08	21.11	21.04		
45	QPSK	120	0	20.95	20.74	20.63	22.0	0.0
45	QPSK	120	60	21.19	21.25	21.21	22.0	0.0
45	QPSK	120	120	20.65	20.86	20.56	22.0	0.0
45	QPSK	240	0	21.16	21.19	21.11		
45	16QAM	1	1	20.70	20.73	20.75	22.0	0.0
45	64QAM	1	1	21.20	21.20	21.15	22.0	0.0
45	256QAM	1	1	19.30	19.44	19.39	20.0	2.0
Channel				346000	349000	352000	limit (dBm)	MPR
Frequency (MHz)				1720	1745	1760	limit (dBm)	
40	QPSK	1	1	21.02	20.89	20.96	22.0	0.0
Channel				345500	349000	352500	limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit (dBm)	
35	QPSK	1	1	21.24	21.09	20.96	22.0	0.0
Channel				345000	349000	353000	limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765	limit (dBm)	
30	QPSK	1	1	21.23	20.90	21.15	22.0	0.0
Channel				344500	349000	353500	limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit (dBm)	
25	QPSK	1	1	21.02	20.96	21.06	22.0	0.0
Channel				344000	349000	354000	limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	limit (dBm)	
20	QPSK	1	1	21.14	20.92	21.15	22.0	0.0
Channel				343500	349000	354500	limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit (dBm)	
15	QPSK	1	1	21.20	21.01	20.95	22.0	0.0
Channel				343000	349000	355000	limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775	limit (dBm)	
10	QPSK	1	1	21.03	21.06	20.98	22.0	0.0
Channel				342500	349000	355500	limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit (dBm)	
5	QPSK	1	1	21.20	20.98	21.07	22.0	0.0

n38 Main PA Ant2 DSI4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				518004	519000	519696					
Frequency (MHz)				2592.02	2595	2599.98					
40	PI2 BPSK	1	1	20.98	21.20	21.11	21.7	0.0			
40	PI2 BPSK	1	53	20.91	21.06	21.01					
40	PI2 BPSK	1	104	20.84	20.83	20.94					
40	PI2 BPSK	50	0	21.11	21.10	21.12	21.7			0.0	
40	PI2 BPSK	50	28	21.03	21.07	21.11	21.7			0.0	
40	PI2 BPSK	50	56	20.98	21.21	21.00	21.7	0.0			
40	PI2 BPSK	100	0	21.11	21.22	21.04					
40	QPSK	1	1	21.21	21.25	21.19					
40	QPSK	1	53	21.02	21.11	20.99	21.7			0.0	
40	QPSK	1	104	20.99	20.94	21.01	21.7	0.0			
40	QPSK	50	0	21.14	21.15	21.05					
40	QPSK	50	28	21.14	21.20	21.13					
40	QPSK	50	56	21.07	21.13	21.15					
40	QPSK	100	0	21.15	21.22	21.17					
40	16QAM	1	1	20.92	21.15	21.05					
40	64QAM	1	1	20.80	20.91	21.06					
40	256QAM	1	1	20.73	20.85	20.77					
Channel				517002	519000	520998	turn-up limit (dBm)			MPR (dB)	
30	QPSK	1	1	20.95	21.16	20.95	21.7			0.0	
Channel				518504	519000	521496	turn-up limit (dBm)			MPR (dB)	
25	QPSK	1	1	21.03	21.22	20.93	21.7			0.0	
Channel				518000	519000	522000	turn-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2590	2595	2610					
20	QPSK	1	1	21.15	21.05	21.05	21.7			0.0	
Channel				515502	519000	523498	turn-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2577.01	2595	2613.48					
15	QPSK	1	1	21.01	21.20	21.05	21.7			0.0	
Channel				515004	519000	523996	turn-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98					
10	QPSK	1	1	20.99	21.24	20.96	21.7			0.0	

n41 Main PA Ant2 DSI4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				509002	518698	528000				
Frequency (MHz)				2546.01	2552.99	2640				
100	PI2 BPSK	1	1	20.42	20.75	20.42		21.2	0.0	
100	PI2 BPSK	1	137	20.42	20.65	20.62				
100	PI2 BPSK	1	271	20.54	20.51	20.43				
100	PI2 BPSK	135	0	20.67	20.76	20.90	21.2	0.0		
100	PI2 BPSK	135	69	20.62	20.58	20.66	21.2	0.0		
100	PI2 BPSK	135	138	20.57	20.44	20.50		21.2	0.0	
100	PI2 BPSK	270	0	20.68	20.87	20.84				
100	QPSK	1	1	20.91	20.89	20.86				
100	QPSK	1	137	20.64	20.75	20.61	21.2	0.0		
100	QPSK	1	271	20.64	20.71	20.50		21.2	0.0	
100	QPSK	135	0	20.78	20.74	20.71	21.2			
100	QPSK	135	69	20.68	20.84	20.74	21.2	0.0		
100	QPSK	135	138	20.72	20.73	20.67	21.2	0.0		
100	QPSK	270	0	20.71	20.82	20.76		0.0		
100	16QAM	1	1	20.53	20.76	20.47	21.2	0.0		
100	64QAM	1	1	20.55	20.59	20.63	21.2	0.0		
100	256QAM	1	1	20.80	20.79	20.83	21.2	0.0		
Channel				509000	518698	529996	turn-up limit (dBm)	MPR		
Frequency (MHz)				2541	2552.99	2644.98				
90	QPSK	1	1	20.61	20.93	20.54	21.2	0.0		
Channel				507004	518698	529996	turn-up limit (dBm)	MPR		
Frequency (MHz)				2536.02	2552.99	2649.99				
80	QPSK	1	1	20.49	20.92	20.65	21.2	0.0		
Channel				505002	518698	531000	turn-up limit (dBm)	MPR		
Frequency (MHz)				2531.01	2552.99	2655				
70	QPSK	1	1	20.68	20.96	20.76	21.2	0.0		
Channel				505000	518698	531996	turn-up limit (dBm)	MPR		
Frequency (MHz)				2525	2552.99	2659.98				
60	QPSK	1	1	20.68	20.84	20.69	21.2	0.0		
Channel				504004	518698	532996	turn-up limit (dBm)	MPR		
Frequency (MHz)				2521.02	2552.99	2664.99				
50	QPSK	1	1	20.55	20.87	20.71	21.2	0.0		
Channel				503002	518698	534000	turn-up limit (dBm)	MPR		
Frequency (MHz)				2516.01	2552.99	2670				
40	QPSK	1	1	20.64	20.88	20.76	21.2	0.0		
Channel				502000	518698	534996	turn-up limit (dBm)	MPR		
Frequency (MHz)				2511	2552.99	2674.98				
30	QPSK	1	1	20.61	20.93	20.57	21.2	0.0		
Channel				501004	518698	535996	turn-up limit (dBm)	MPR		
Frequency (MHz)				2506.02	2552.99	2679.99				
20	QPSK	1	1	20.62	20.89	20.67	21.2	0.0		
Channel				500000	518698	536996	turn-up limit (dBm)	MPR		
Frequency (MHz)				2503.5	2552.99	2682.48				
15	QPSK	1	1	20.65	20.89	20.64	21.2	0.0		
Channel				500002	518698	537000	turn-up limit (dBm)	MPR		
Frequency (MHz)				2501.01	2552.99	2685				
10	QPSK	1	1	20.51	20.85	20.76	21.2	0.0		

n7 Main PA Ant3 DSI4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 507000	Power Middle Ch. F.Freq. 507000	Power High Ch. F.Freq. 509000	Tune-up limit (dBm)	MPR (dB)			
Channel				505000	507000	509000					
Frequency (MHz)				2525	2535	2545					
50	PI2 BPSK	1	1	19.54	19.60	19.31		21.0	0.0		
50	PI2 BPSK	1	135	19.25	19.41	19.45					
50	PI2 BPSK	1	268	19.20	19.21	19.21					
50	PI2 BPSK	135	0	19.40	19.54	19.46	21.0	0.0	0.0		
50	PI2 BPSK	135	68	19.36	19.39	19.45	21.0				
50	PI2 BPSK	135	135	19.47	19.44	19.37	21.0				
50	QPSK	1	1	19.47	19.61	19.44		21.0	0.0		
50	QPSK	1	135	19.31	19.48	19.39	21.0				
50	QPSK	1	268	19.28	19.44	19.44					
50	QPSK	135	0	19.44	19.51	19.42	21.0	0.0	0.0		
50	QPSK	135	68	19.47	19.56	19.44	21.0				
50	QPSK	135	135	19.44	19.51	19.43	21.0				
50	QPSK	270	0	19.45	19.49	19.46		0.0	0.0		
50	16QAM	1	1	19.35	19.45	19.29	21.0				
50	64QAM	1	1	19.34	19.31	19.43	21.0				
50	256QAM	1	1	18.18	18.24	18.17	19.5	0.0	0.0		
Channel				504000	507000	510000	tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2520	2535	2550					
40	QPSK	1	1	19.38	19.58	19.27	21.0	0.0			
Channel				503000	507000	511000	tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2516	2535	2555					
30	QPSK	1	1	19.47	19.45	19.33	21.0	0.0			
Channel				502500	507000	511500	tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2512.5	2535	2557.5 <td></td> <th colspan="2"></th>					
25	QPSK	1	1	19.42	19.44	19.30	21.0	0.0			
Channel				502000	507000	512000	tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2510	2534	2560					
20	PI2 BPSK	1	1	19.34	19.52	19.30	21.0	0.0			
Channel				501500	507000	512500	tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	1	19.40	19.48	19.37	21.0	0.0			
Channel				501000	507000	513000	tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	1	19.45	19.60	19.39	21.0	0.0			
Channel				500500	507000	513500	tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	1	19.32	19.53	19.32	21.0	0.0			

n66 Main PA Ant3 DSI4										
BW (MHz)	Modulation	RB Size	Ch. RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346500	349000	351000				
Frequency (MHz)				1722.5	1745	1757.5				
45	PI2 BPSK	1	1	18.83	18.87	18.74	20.5	0.0	0.0	
45	PI2 BPSK	1	120	18.75	18.79	18.80				
45	PI2 BPSK	1	243	18.74	18.77	18.76				
45	PI2 BPSK	120	0	18.79	18.83	18.61	20.5	0.0	0.0	
45	PI2 BPSK	120	60	18.66	18.73	18.73				
45	PI2 BPSK	120	120	18.65	18.71	18.81				
45	PI2 BPSK	240	0	18.79	18.89	18.67	20.5	0.0	0.0	
45	QPSK	1	1	18.95	18.99	18.92				
45	QPSK	1	120	18.61	18.77	18.73				
45	QPSK	1	243	18.75	18.71	18.67	20.5	0.0	0.0	
45	QPSK	120	0	18.71	18.82	18.75				
45	QPSK	120	60	18.78	18.94	18.84				
45	QPSK	120	120	18.79	18.78	18.79	20.5	0.0	0.0	
45	QPSK	240	0	18.82	18.86	18.80				
45	16QAM	1	1	18.68	18.93	18.60				
45	64QAM	1	1	18.62	18.66	18.60	20.5	0.0	1.5	
45	256QAM	1	1	17.19	17.23	17.14				
Channel				346000	349000	352000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1729	1745	1760				
40	QPSK	1	1	18.54	18.53	18.57	20.5	0.0		
Channel				345500	349000	352500	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1727.5	1745	1762.5				
35	QPSK	1	1	18.61	18.60	18.64	20.5	0.0		
Channel				345000	349000	353000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	18.66	18.75	18.62	20.5	0.0		
Channel				344500	349000	353500	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1722.5	1745	1767.5				
25	QPSK	1	1	18.77	18.60	18.63	20.5	0.0		
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	1	18.70	18.57	18.75	20.5	0.0		
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	18.58	18.64	18.74	20.5	0.0		
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	18.68	18.64	18.65	20.5	0.0		
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	18.68	18.69	18.78	20.5	0.0		

n38 Main PA Ant3 DSI4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PV2 BPSK	1	1	18.99	19.15	18.83		
40	PV2 BPSK	1	53	18.89	18.96	18.79	20.5	0.0
40	PV2 BPSK	1	104	18.89	18.84	18.78		
40	PV2 BPSK	50	0	19.10	19.24	19.16	20.5	0.0
40	PV2 BPSK	50	28	18.99	18.99	19.14	20.5	0.0
40	PV2 BPSK	50	66	19.02	19.14	18.86		
40	PV2 BPSK	100	0	19.17	19.19	19.09	20.5	0.0
40	QPSK	1	1	18.95	19.25	18.17		
40	QPSK	1	53	19.01	19.19	19.01	20.5	0.0
40	QPSK	1	104	18.97	19.22	19.14		
40	QPSK	50	0	18.93	19.06	19.16	20.5	0.0
40	QPSK	50	28	19.18	19.21	19.15	20.5	0.0
40	QPSK	50	56	18.97	18.96	19.03	20.5	0.0
40	QPSK	100	0	19.12	19.16	19.06		
40	16QAM	1	1	19.04	19.14	19.12	20.5	0.0
40	64QAM	1	1	18.93	19.12	19.12	20.5	0.0
40	256QAM	1	1	18.84	18.91	18.87	20.0	0.5
Channel				517002	519000	520998	tune-up limit (dB)	MPR
Frequency (MHz)				2593.01	2595	2604.99		
30	QPSK	1	1	18.75	19.20	18.95	20.5	0.0
Channel				516504	519000	521496	tune-up limit (dB)	MPR
Frequency (MHz)				2592.02	2595	2607.48		
25	QPSK	1	1	18.84	19.20	18.63	20.5	0.0
Channel				516000	518500	522000	tune-up limit (dB)	MPR
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	18.94	19.23	18.94	20.5	0.0
Channel				515502	519000	523498	tune-up limit (dB)	MPR
Frequency (MHz)				2587.01	2595	2612.49		
15	QPSK	1	1	18.85	19.09	18.96	20.5	0.0
Channel				515004	519000	523996	tune-up limit (dB)	MPR
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.78	19.11	19.12	20.5	0.0

n41 Main PA Ant3 DSI4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509502	518596	528600		
Frequency (MHz)				2546.01	2552.99	2640		
100	PV2 BPSK	1	1	18.12	18.38	18.14		
100	PV2 BPSK	1	137	18.20	18.19	18.06	20.0	0.0
100	PV2 BPSK	1	271	18.20	18.28	18.02		
100	PV2 BPSK	135	0	18.20	18.48	18.23	20.0	0.0
100	PV2 BPSK	135	69	18.18	18.33	18.14	20.0	0.0
100	PV2 BPSK	135	135	18.04	18.37	18.25		
100	PV2 BPSK	270	0	18.32	18.30	18.31		
100	QPSK	1	1	18.23	18.52	18.36		
100	QPSK	1	137	18.23	18.25	18.21	20.0	0.0
100	QPSK	1	271	18.23	18.34	18.22		
100	QPSK	135	0	18.22	18.40	18.18	20.0	0.0
100	QPSK	135	69	18.44	18.48	18.27	20.0	0.0
100	QPSK	135	138	18.17	18.28	18.08	20.0	0.0
100	QPSK	270	0	18.25	18.26	18.18		
100	16QAM	1	1	18.19	18.42	18.29	20.0	0.0
100	64QAM	1	1	18.21	18.26	18.25	20.0	0.0
100	256QAM	1	1	18.37	18.45	18.39	20.0	0.0
Channel				508200	518596	528996	tune-up limit (dB)	MPR
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	18.14	18.49	18.26	20.0	0.0
Channel				507204	518596	529996	tune-up limit (dB)	MPR
Frequency (MHz)				2536.02	2552.99	2649.99		
80	QPSK	1	1	18.20	18.38	18.19	20.0	0.0
Channel				505502	518596	531000	tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2552.99	2655		
70	QPSK	1	1	18.01	18.45	18.26	20.0	0.0
Channel				505200	518596	531996	tune-up limit (dB)	MPR
Frequency (MHz)				2525	2552.99	2659.98		
60	QPSK	1	1	18.12	18.45	18.32	20.0	0.0
Channel				504204	518596	532996	tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2552.99	2664.99		
50	QPSK	1	1	18.19	18.50	18.33	20.0	0.0
Channel				503502	518596	534000	tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2552.99	2670		
40	QPSK	1	1	18.07	18.41	18.15	20.0	0.0
Channel				502200	518596	534996	tune-up limit (dB)	MPR
Frequency (MHz)				2511	2552.99	2674.98		
30	QPSK	1	1	18.05	18.29	18.23	20.0	0.0
Channel				501204	518596	535996	tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2552.99	2679.99		
20	QPSK	1	1	18.04	18.45	18.25	20.0	0.0
Channel				500700	518596	536996	tune-up limit (dB)	MPR
Frequency (MHz)				2503.5	2552.99	2682.48		
15	QPSK	1	1	18.18	18.45	18.16	20.0	0.0
Channel				500202	518596	537000	tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2552.99	2685		
10	QPSK	1	1	18.13	18.41	18.25	20.0	0.0

n7 Main PA Ant4 DSI4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	P1/2 BPSK	1	1	19.33	19.50	19.37		
50	P1/2 BPSK	1	135	19.34	19.48	19.17	20.5	0.0
50	P1/2 BPSK	1	268	19.33	19.39	19.28		
50	P1/2 BPSK	135	0	19.47	19.46	19.39	20.5	0.0
50	P1/2 BPSK	135	68	19.45	19.49	19.33	20.5	0.0
50	P1/2 BPSK	135	135	19.54	19.44	19.40	20.5	0.0
50	P1/2 BPSK	270	0	19.45	19.51	19.53		
50	QPSK	1	1	19.50	19.64	18.57		
50	QPSK	1	135	19.41	19.59	19.30	20.5	0.0
50	QPSK	1	268	19.45	19.53	19.61		
50	QPSK	135	0	19.29	19.43	19.49	20.5	0.0
50	QPSK	135	68	19.49	19.57	19.33	20.5	0.0
50	QPSK	135	135	19.29	19.37	19.22	20.5	0.0
50	QPSK	270	0	19.35	19.51	19.28		
50	16QAM	1	1	19.50	19.45	19.47	20.5	0.0
50	64QAM	1	1	19.44	19.48	19.40	20.5	0.0
50	256QAM	1	1	19.48	19.63	18.55	20.5	0.0
Channel				504000	507000	510000	tune-up limit (dB)	MPR
Frequency (MHz)				2505	2535	2565		
40	QPSK	1	1	19.49	19.37	19.45	20.5	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.47	19.47	19.61	20.5	0.0
Channel				502000	507000	511500	tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.39	19.53	19.57	20.5	0.0
Channel				502000	507000	512000	tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	19.51	19.56	19.58	20.5	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.30	19.49	19.58	20.5	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.35	19.60	19.52	20.5	0.0
Channel				500500	507000	513500	tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.36	19.55	19.56	20.5	0.0

n66 Main PA Ant4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1737.5		
45	P1/2 BPSK	1	1	23.63	23.72	23.67		
45	P1/2 BPSK	1	120	23.47	23.67	23.35	24.5	0.0
45	P1/2 BPSK	1	243	23.39	23.55	23.45		
45	P1/2 BPSK	120	0	23.06	23.17	23.20	24.0	0.5
45	P1/2 BPSK	120	60	23.65	23.66	23.56	24.5	0.0
45	P1/2 BPSK	120	120	23.09	23.23	22.98	24.0	0.5
45	P1/2 BPSK	240	0	23.25	23.24	23.18		
45	QPSK	1	1	23.69	23.76	23.72		
45	QPSK	1	120	23.48	23.71	23.59	24.5	0.0
45	QPSK	1	243	23.64	23.69	23.68		
45	QPSK	120	0	22.74	22.83	22.59	23.5	1.0
45	QPSK	120	60	23.48	23.65	23.60	24.5	0.0
45	QPSK	120	120	22.44	22.55	22.47	23.5	1.0
45	QPSK	240	0	22.58	22.61	22.52		
45	16QAM	1	1	22.63	22.57	22.60	23.5	1.0
45	64QAM	1	1	20.97	21.17	21.11	22.0	2.5
45	256QAM	1	1	19.23	19.35	19.33	20.0	4.5
Channel				346000	349000	352000	tune-up limit (dB)	MPR
Frequency (MHz)				1723	1745	1767		
40	QPSK	1	1	23.62	23.71	23.59	24.5	0.0
Channel				345500	349000	352500	tune-up limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.64	23.73	23.70	24.5	0.0
Channel				345000	349000	353000	tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.60	23.63	23.62	24.5	0.0
Channel				344500	349000	353500	tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1762.5		
25	QPSK	1	1	23.66	23.72	23.65	24.5	0.0
Channel				344000	349000	354000	tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.57	23.69	23.60	24.5	0.0
Channel				343500	349000	354500	tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.54	23.62	23.59	24.5	0.0
Channel				343000	349000	355000	tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.56	23.70	23.58	24.5	0.0
Channel				342500	349000	355500	tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.55	23.72	23.66	24.5	0.0

n38 Main PA Ant4 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.			
				518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	PQ2 BPSK	1	1	19.88	19.89	19.98			
40	PQ2 BPSK	1	53	19.79	19.80	19.81	20.2	0.0	
40	PQ2 BPSK	1	104	19.80	19.93	19.83			
40	PQ2 BPSK	50	0	19.91	19.94	19.81	20.2	0.0	
40	PQ2 BPSK	50	28	19.63	20.04	19.75			
40	PQ2 BPSK	50	66	19.79	19.89	19.77	20.2	0.0	
40	PQ2 BPSK	100	0	19.86	20.01	19.90			
40	QPSK	1	1	19.90	20.06	19.94			
40	QPSK	1	53	19.92	19.93	19.73	20.2	0.0	
40	QPSK	1	104	19.78	19.88	19.79			
40	QPSK	50	0	19.89	20.01	19.85	20.2	0.0	
40	QPSK	50	28	19.98	20.04	19.88	20.2	0.0	
40	QPSK	50	56	19.86	19.94	19.76			
40	QPSK	100	0	19.89	20.03	19.77	20.2	0.0	
40	16QAM	1	1	19.94	19.70	19.93	20.2	0.0	
40	64QAM	1	1	19.68	20.02	19.79	20.2	0.0	
40	256QAM	1	1	20.02	19.86	19.83	20.2	0.0	
	Channel			517002	519000	520998	tune-up limit (dB)	MPR	
	Frequency (MHz)			2592.01	2595	2604.99			
30	QPSK	1	1	20.04	19.87	19.69	20.2	0.0	
	Channel			516504	519000	521496	tune-up limit (dB)	MPR	
	Frequency (MHz)			2592.02	2595	2607.48			
25	QPSK	1	1	19.90	19.83	19.84	20.2	0.0	
	Channel			518000	518000	522000	tune-up limit (dB)	MPR	
	Frequency (MHz)			2590	2595	2610			
20	QPSK	1	1	19.96	19.94	19.89	20.2	0.0	
	Channel			515502	519000	524498	tune-up limit (dB)	MPR	
	Frequency (MHz)			2597.01	2595	2612.49			
15	QPSK	1	1	20.07	19.78	19.88	20.2	0.0	
	Channel			515004	519000	525996	tune-up limit (dB)	MPR	
	Frequency (MHz)			2575.02	2595	2614.98			
10	QPSK	1	1	19.99	19.85	19.77	20.2	0.0	

n41 Main PA Ant4 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.			
				505002	518096	528000			
	Frequency (MHz)			2546.01	2552.99	2640			
100	PQ2 BPSK	1	1	19.37	19.33	19.32			
100	PQ2 BPSK	1	137	19.22	19.20	19.25	19.7	0.0	
100	PQ2 BPSK	1	271	19.23	19.24	19.13			
100	PQ2 BPSK	135	0	19.35	19.39	19.24	19.7	0.0	
100	PQ2 BPSK	135	69	19.11	19.41	19.20	19.7	0.0	
100	PQ2 BPSK	135	135	19.20	19.16	19.09	19.7	0.0	
100	PQ2 BPSK	270	0	19.24	19.37	19.29			
100	QPSK	1	1	19.35	19.42	19.28			
100	QPSK	1	137	19.31	19.32	19.20	19.7	0.0	
100	QPSK	1	271	19.16	19.37	19.19			
100	QPSK	135	0	19.27	19.34	19.21	19.7	0.0	
100	QPSK	135	69	19.29	19.41	19.15	19.7	0.0	
100	QPSK	135	138	19.23	19.40	19.24			
100	QPSK	270	0	19.28	19.35	19.29	19.7	0.0	
100	16QAM	1	1	19.34	19.20	19.22	19.7	0.0	
100	64QAM	1	1	19.17	19.39	19.21	19.7	0.0	
100	256QAM	1	1	19.31	19.35	19.30	19.7	0.0	
	Channel			505000	518096	528996	tune-up limit (dB)	MPR	
	Frequency (MHz)			2541	2552.99	2644.98			
90	QPSK	1	1	19.38	19.21	19.16	19.7	0.0	
	Channel			507004	518096	529996	tune-up limit (dB)	MPR	
	Frequency (MHz)			2536.02	2552.99	2649.99			
80	QPSK	1	1	19.19	19.24	19.24	19.7	0.0	
	Channel			505502	518096	531000	tune-up limit (dB)	MPR	
	Frequency (MHz)			2531.01	2552.99	2655			
70	QPSK	1	1	19.21	19.32	19.17	19.7	0.0	
	Channel			505000	518096	531996	tune-up limit (dB)	MPR	
	Frequency (MHz)			2524	2552.99	2659.98			
60	QPSK	1	1	19.20	19.12	19.09	19.7	0.0	
	Channel			504004	518096	532996	tune-up limit (dB)	MPR	
	Frequency (MHz)			2521.02	2552.99	2664.99			
50	QPSK	1	1	19.27	19.14	19.24	19.7	0.0	
	Channel			503502	518096	534000	tune-up limit (dB)	MPR	
	Frequency (MHz)			2516.01	2552.99	2670			
40	QPSK	1	1	19.34	19.29	19.09	19.7	0.0	
	Channel			502200	518096	534996	tune-up limit (dB)	MPR	
	Frequency (MHz)			2511	2552.99	2674.98			
30	QPSK	1	1	19.35	19.19	19.23	19.7	0.0	
	Channel			501004	518096	535996	tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2552.99	2679.99			
20	QPSK	1	1	19.19	19.29	19.24	19.7	0.0	
	Channel			500700	518096	536996	tune-up limit (dB)	MPR	
	Frequency (MHz)			2503.05	2552.99	2682.48			
15	QPSK	1	1	19.40	19.17	19.10	19.7	0.0	
	Channel			500002	518096	537000	tune-up limit (dB)	MPR	
	Frequency (MHz)			2501.01	2552.99	2685			
10	QPSK	1	1	19.32	19.19	19.09	19.7	0.0	

Part27O n77 Main PA Ant5 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	16.53	16.55	16.57		
100	Pi2 BPSK	1	137	16.62	16.55	16.39	17.5	0.0
100	Pi2 BPSK	1	271	16.30	16.40	16.23		
100	Pi2 BPSK	135	0	16.28	16.45	16.36	17.5	0.0
100	Pi2 BPSK	135	69	16.32	16.66	16.39	17.5	0.0
100	Pi2 BPSK	135	138	16.32	16.51	16.26	17.5	0.0
100	Pi2 BPSK	270	0	16.34	16.43	16.36		
100	QPSK	1	1	16.52	16.69	16.56		
100	QPSK	1	137	16.38	16.45	16.59	17.5	0.0
100	QPSK	1	271	16.54	16.47	16.51		
100	QPSK	135	0	16.30	16.53	16.34	17.5	0.0
100	QPSK	135	69	16.59	16.62	16.48	17.5	0.0
100	QPSK	135	138	16.32	16.38	16.29	17.5	0.0
100	QPSK	270	0	16.40	16.41	16.31		
100	8QAM	1	1	16.16	16.36	16.37	17.5	0.0
100	8QAM	1	1	15.96	16.00	15.88	17.5	0.0
100	256QAM	1	1	16.46	16.61	16.37	17.5	0.0
Channel								
Frequency (MHz)				648668	656000	662334	time-up limit (dBm)	MPR (dB)
90	QPSK	1	1	15.90	16.03	15.97	17.5	0.0
Channel								
Frequency (MHz)				648934	656000	662668	time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	15.91	16.18	16.01	17.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	15.88	16.00	15.90	17.5	0.0
Channel								
Frequency (MHz)				647668	656000	663334	time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	15.92	16.00	15.94	17.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	15.94	16.06	15.97	17.5	0.0
Channel								
Frequency (MHz)				647668	656000	664000	time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	15.95	16.15	16.01	17.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	15.91	16.15	16.01	17.5	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dBm)	MPR (dB)
25	QPSK	1	1	15.83	16.11	16.01	17.5	0.0
Channel								
Frequency (MHz)				647334	656000	664668	time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	15.87	16.05	15.88	17.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	15.90	16.14	16.02	17.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dBm)	MPR (dB)
10	QPSK	1	1	15.88	16.13	15.93	17.5	0.0

Part27O n77 PC2 Main PA Ant5 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	19.53	19.52	19.54		
100	Pi2 BPSK	1	137	19.57	19.39	19.26	20.5	0.0
100	Pi2 BPSK	1	271	19.15	19.37	19.07		
100	Pi2 BPSK	135	0	19.12	19.31	19.19	20.5	0.0
100	Pi2 BPSK	135	69	19.36	19.55	19.27	20.5	0.0
100	Pi2 BPSK	135	138	19.17	19.40	19.23	20.5	0.0
100	Pi2 BPSK	270	0	19.21	19.26	19.19		
100	QPSK	1	1	19.56	19.71	19.59		
100	QPSK	1	137	19.24	19.32	19.57	20.5	0.0
100	QPSK	1	271	19.54	19.46	19.52		
100	QPSK	135	0	19.17	19.31	19.19	20.5	0.0
100	QPSK	135	69	19.42	19.64	19.28	20.5	0.0
100	QPSK	135	138	19.18	19.24	19.17	20.5	0.0
100	QPSK	270	0	19.22	19.35	19.32		
100	8QAM	1	1	19.06	19.26	19.37	20.5	0.0
100	8QAM	1	1	18.95	18.87	18.87	20.5	0.0
100	256QAM	1	1	19.30	19.49	19.36	20.5	0.0
Channel								
Frequency (MHz)				648668	656000	662334	time-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.01	19.09	19.00	20.5	0.0
Channel								
Frequency (MHz)				648934	656000	662668	time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.96	19.13	19.08	20.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.88	19.19	19.04	20.5	0.0
Channel								
Frequency (MHz)				647668	656000	663334	time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.00	19.09	19.05	20.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.04	19.18	19.02	20.5	0.0
Channel								
Frequency (MHz)				647668	656000	664000	time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.91	19.15	18.93	20.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.99	19.09	18.90	20.5	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dBm)	MPR (dB)
25	QPSK	1	1	18.90	19.06	19.06	20.5	0.0
Channel								
Frequency (MHz)				647334	656000	664668	time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.01	19.02	18.89	20.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.08	19.11	19.08	20.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.97	19.17	19.01	20.5	0.0

Part27Q n77 Main PA Ant5 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1		16.58			
100	Pi2 BPSK	1	137		16.63		17.5	0.0
100	Pi2 BPSK	1	271		16.39			
100	Pi2 BPSK	135	0		16.61		17.5	0.0
100	Pi2 BPSK	135	69		16.75		17.5	0.0
100	Pi2 BPSK	135	138		16.58		17.5	0.0
100	Pi2 BPSK	270	0		16.53			
100	QPSK	1	1		16.82			
100	QPSK	1	137		16.74		17.5	0.0
100	QPSK	1	271		16.61			
100	QPSK	135	0		16.61		17.5	0.0
100	QPSK	135	69		16.73		17.5	0.0
100	QPSK	135	138		16.56		17.5	0.0
100	QPSK	270	0		16.67			
100	8QAM	1	1		16.17		17.5	0.0
100	8QAM	1	1		15.97		17.5	0.0
100	256QAM	1	1		16.41		17.5	0.0
Channel								
Frequency (MHz)				633000	633334	633668	time-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.06	16.21	16.20	17.5	0.0
Channel								
Frequency (MHz)				632668	633334	634000	time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.09	16.24	16.20	17.5	0.0
Channel								
Frequency (MHz)				632334	633334	634334	time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.16	16.28	16.11	17.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.15	16.19	16.19	17.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.09	16.20	16.21	17.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.17	16.29	16.14	17.5	0.0
Channel								
Frequency (MHz)				631000	633334	635668	time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.09	16.22	16.21	17.5	0.0
Channel								
Frequency (MHz)				630668	633334	635834	time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.09	16.20	16.21	17.5	0.0
Channel								
Frequency (MHz)				630334	633334	636000	time-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.09	16.20	16.20	17.5	0.0
Channel								
Frequency (MHz)				6300.02	3500.01	3542.52	time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.01	16.19	16.23	17.5	0.0
Channel								
Frequency (MHz)				633334	3500.01	3545.01	time-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.05	16.16	16.24	17.5	0.0

Part27Q n77 PC2 Main PA Ant5 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	633334			
Frequency (MHz)				19.86				
100	Pi2 BPSK	1	1	19.87			20.5	0.0
100	Pi2 BPSK	1	137	19.87				
100	Pi2 BPSK	1	271	19.82				
100	Pi2 BPSK	135	0	19.85			20.5	0.0
100	Pi2 BPSK	135	69	19.95			20.5	0.0
100	Pi2 BPSK	135	138	19.76			20.5	0.0
100	Pi2 BPSK	270	0	19.95				
100	QPSK	1	1	20.15				
100	QPSK	1	137	19.98			20.5	0.0
100	QPSK	1	271	20.00				
100	QPSK	135	0	20.02			20.5	0.0
100	QPSK	135	69	20.09			20.5	0.0
100	QPSK	135	138	19.76			20.5	0.0
100	QPSK	270	0	19.97			20.5	0.0
100	64QAM	1	1	19.47			20.5	0.0
100	64QAM	1	1	19.21			20.5	0.0
100	256QAM	1	1	19.63			20.5	0.0
Channel				633000	633334	633668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3503.01	3505.02		
90	QPSK	1	1	19.55	19.50	19.59	20.5	0.0
Channel				632668	633334	634000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.58	19.59	19.50	20.5	0.0
Channel				632334	633334	634334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.51	19.49	19.42	20.5	0.0
Channel				632000	633334	634668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3503.01	3508.02		
60	QPSK	1	1	19.56	19.63	19.41	20.5	0.0
Channel				631668	633334	635000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3505		
50	QPSK	1	1	19.54	19.54	19.51	20.5	0.0
Channel				631334	633334	635334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.52	19.50	19.56	20.5	0.0
Channel				631000	633334	635668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3503.01	3525.02		
30	QPSK	1	1	19.59	19.47	19.42	20.5	0.0
Channel				630834	633334	635934	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.54	19.48	19.41	20.5	0.0
Channel				630500	633334	636200	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.55	19.52	19.43	20.5	0.0
Channel				630500	633334	636168	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3503.01	3542.52		
15	QPSK	1	1	19.58	19.04	19.45	20.5	0.0
Channel				630334	633334	636334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.54	19.56	19.50	20.5	0.0

Part27O n78 Main PA Ant5 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				16.21				
100	Pi2 BPSK	1	1	16.29			17.0	0.0
100	Pi2 BPSK	1	137	16.29				
100	Pi2 BPSK	1	271	16.11				
100	Pi2 BPSK	135	0	16.09			17.0	0.0
100	Pi2 BPSK	135	69	16.23			17.0	0.0
100	Pi2 BPSK	135	138	16.14			17.0	0.0
100	Pi2 BPSK	270	0	16.20				
100	QPSK	1	1	16.32				
100	QPSK	1	137	16.22			17.0	0.0
100	QPSK	1	271	16.20				
100	QPSK	135	0	16.16			17.0	0.0
100	QPSK	135	69	16.28			17.0	0.0
100	QPSK	135	138	16.19			17.0	0.0
100	QPSK	270	0	16.22			17.0	0.0
100	64QAM	1	1	16.04			17.0	0.0
100	64QAM	1	1	15.80			17.0	0.0
100	256QAM	1	1	16.24			17.0	0.0
Channel				648668	650000	650334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3750	3763.01		
90	QPSK	1	1	16.20	16.16	16.09	17.0	0.0
Channel				648334	650000	650668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.18	16.08	16.11	17.0	0.0
Channel				648000	650000	651000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.21	16.22	16.10	17.0	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3750	3763.01		
60	QPSK	1	1	16.05	16.07	16.09	17.0	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3775.02		
50	QPSK	1	1	16.18	16.11	16.00	17.0	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3760		
40	QPSK	1	1	16.00	16.14	16.07	17.0	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3750	3763.01		
30	QPSK	1	1	16.22	16.15	16.08	17.0	0.0
Channel				647500	650000	652500	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.17	16.04	16.16	17.0	0.0
Channel				647334	650000	652668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.05	16.11	16.11	17.0	0.0
Channel				647168	650000	652834	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3762.51		
15	QPSK	1	1	16.17	16.18	16.01	17.0	0.0
Channel				647000	650000	653000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.09	16.20	16.13	17.0	0.0

Part27O n78 PC2 Main PA Ant5 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				16.12				
100	Pi2 BPSK	1	1	16.23			20.0	0.0
100	Pi2 BPSK	1	137	16.23				
100	Pi2 BPSK	135	0	16.17			20.0	0.0
100	Pi2 BPSK	135	69	16.32			20.0	0.0
100	Pi2 BPSK	135	138	16.06			20.0	0.0
100	Pi2 BPSK	270	0	16.19				
100	QPSK	1	1	16.39				
100	QPSK	1	137	16.12			20.0	0.0
100	QPSK	1	271	16.09				
100	QPSK	135	0	16.15			20.0	0.0
100	QPSK	135	69	16.30			20.0	0.0
100	QPSK	135	138	16.16			20.0	0.0
100	QPSK	270	0	16.18			20.0	0.0
100	64QAM	1	1	16.03			20.0	0.0
100	64QAM	1	1	16.91			20.0	0.0
100	256QAM	1	1	16.35			20.0	0.0
Channel				648668	650000	650334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3750	3763.01		
90	QPSK	1	1	16.12	16.12	16.09	20.0	0.0
Channel				648334	650000	650668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.12	16.07	16.98	20.0	0.0
Channel				648000	650000	651000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.09	16.17	16.07	20.0	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3750	3763.01		
60	QPSK	1	1	16.14	16.23	16.04	20.0	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3775.02		
50	QPSK	1	1	16.09	16.15	16.03	20.0	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3760		
40	QPSK	1	1	16.18	16.06	16.98	20.0	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3750	3763.01		
30	QPSK	1	1	16.16	16.24	16.05	20.0	0.0
Channel				647500	650000	652500	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.20	16.08	16.97	20.0	0.0
Channel				647334	650000	652668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3717.01	3750	3792.51		
20	QPSK	1	1	16.24	16.23	16.08	20.0	0.0
Channel				647168	650000	653334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.26	16.12	16.02	20.0	0.0
Channel				647000	650000	653000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.29	16.09	16.02	20.0	0.0

Part27Q n78 Main PA Ant5 DSI4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633334		3500.01	17.0	0.0		
Frequency (MHz)				16.15						
100	P12 BPSK	1	1	16.06						
100	P12 BPSK	1	137	16.06						
100	P12 BPSK	1	271	16.01		17.0	0.0	0.0		
100	P12 BPSK	135	0	15.94						
100	P12 BPSK	135	69	16.09						
100	P12 BPSK	135	138	16.02						
100	P12 BPSK	270	0	16.09		17.0	0.0	0.0		
100	QPSK	1	1	15.98						
100	QPSK	1	137	16.06						
100	QPSK	1	271	16.06		17.0	0.0	0.0		
100	QPSK	135	0	16.04						
100	QPSK	135	69	16.12						
100	QPSK	135	138	15.98						
100	QPSK	270	0	16.08		17.0	0.0	0.0		
100	16QAM	1	1	15.83						
100	64QAM	1	1	15.59						
100	256QAM	1	1	16.06		17.0	0.0	0.0		
Channel				633000	633334					633668
Frequency (MHz)				3465	3500.01					3505.02
90	QPSK	1	1	16.16	15.98					15.93
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	1	16.10	16.15	15.95				
Channel				632334	633334	634334				
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	16.12	16.03	15.81				
Channel				632000	633334	634668				
Frequency (MHz)				3450	3500.01	3520.02				
60	QPSK	1	1	16.15	15.95	15.79	17.0	0.0	0.0	
Channel				631668	633334	635000				
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1	16.08	16.02	15.95				
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	16.04	15.95	15.87				
Channel				631000	633334	635668				
Frequency (MHz)				3465	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	15.99	16.13	15.77				
Channel				630634	633334	635834				
Frequency (MHz)				3462.51	3500.01	3537.51				
25	QPSK	1	1	16.01	16.01	15.97	17.0	0.0	0.0	
Channel				630368	633334	636000				
Frequency (MHz)				3490.02	3500.01	3540				
20	QPSK	1	1	16.14	15.92	15.80				
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1	16.00	16.11	15.85				
Channel				630334	633334	636334				
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	16.00	16.06	15.84				
Channel										
Frequency (MHz)										

Part27Q n78 PC2 Main PA Ant5 DSI4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				633334		3000.01	18.1	20.0			
Frequency (MHz)				16.11							
100	P12 BPSK	1	1	16.06							
100	P12 BPSK	1	137	16.01							
100	P12 BPSK	1	271	15.90		17.0	0.0	0.0			
100	P12 BPSK	135	0	16.00							
100	P12 BPSK	135	69	16.25							
100	P12 BPSK	135	138	16.06							
100	P12 BPSK	270	0	16.39		17.0	0.0	0.0			
100	QPSK	1	1	16.10							
100	QPSK	1	137	16.04							
100	QPSK	1	271	16.04		17.0	0.0	0.0			
100	QPSK	135	0	16.12							
100	QPSK	135	69	16.22							
100	QPSK	135	138	16.05							
100	QPSK	270	0	15.87		17.0	0.0	0.0			
100	16QAM	1	1	16.71							
100	64QAM	1	1	16.22							
100	256QAM	1	1	19.22		20.0	0.0	0.0			
Channel				633000						633334	633668
Frequency (MHz)				3449						3500.01	3526.02
90	QPSK	1	1	16.08						16.88	16.90
Channel				632668		633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02		3500.01	3510				
80	QPSK	1	1	16.02		16.07	16.86				
Channel				632334		633334	634334				
Frequency (MHz)				3485.01		3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	16.08		16.88	16.75				
Channel				632000		633334	634668				
Frequency (MHz)				3450		3500.01	3520.02				
60	QPSK	1	1	16.05		16.96	16.84	Tune-up limit (dBm)	MPR (dB)		
Channel				631668		633334	635000				
Frequency (MHz)				3475.02		3500.01	3525				
50	QPSK	1	1	16.03		16.94	16.88			20.0	
Channel				631334		633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01		3500.01	3530.01				
40	QPSK	1	1	16.12		16.03	16.89			20.0	
Channel				631000		633334	635668				
Frequency (MHz)				3465		3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	16.02		16.99	16.85				
Channel				630634		633334	635834				
Frequency (MHz)				3462.51		3500.01	3537.51				
25	QPSK	1	1	16.08		16.92	16.87	Tune-up limit (dBm)	MPR (dB)		
Channel				630368		633334	636000				
Frequency (MHz)				3490.02		3500.01	3540				
20	QPSK	1	1	16.06		16.07	16.79			20.0	
Channel				630000		633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5		3500.01	3542.52				
15	QPSK	1	1	16.08		16.04	16.81			20.0	
Channel				630334		633334	636334				
Frequency (MHz)				3455.01		3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	16.02		16.04	16.81			20.0	

Part27O n77 Main PA Ant6 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3705	3840	3930		
100	Pi2 BPSK	1	1	15.12	15.26	15.02		
100	Pi2 BPSK	1	137	15.07	15.16	14.93	16.5	0.0
100	Pi2 BPSK	1	271	14.91	15.14	14.89		
100	Pi2 BPSK	135	0	14.89	15.02	15.03	16.5	0.0
100	Pi2 BPSK	135	69	15.19	15.10	15.02	16.5	0.0
100	Pi2 BPSK	135	135	15.03	15.19	14.77	16.5	0.0
100	Pi2 BPSK	270	0	15.00	15.10	14.91		
100	QPSK	1	1	15.21	15.30	15.26		
100	QPSK	1	137	15.18	15.10	14.99	16.5	0.0
100	QPSK	1	271	15.04	15.14	15.01		
100	QPSK	135	0	14.90	15.06	14.82	16.5	0.0
100	QPSK	135	69	15.21	15.28	15.23	16.5	0.0
100	QPSK	135	138	15.02	15.04	14.89	16.5	0.0
100	QPSK	270	0	15.20	15.25	15.16	16.5	0.0
100	8QAM	1	1	15.19	15.19	14.99	16.5	0.0
100	8QAM	1	1	15.11	15.26	14.99	16.5	0.0
100	25QAM	1	1	15.17	15.27	15.11	16.5	0.0
Channel								
Frequency (MHz)				648668	656000	662334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	15.07	15.14	15.14	19.5	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	15.08	15.16	15.14	19.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	15.09	15.19	15.16	19.5	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	15.03	15.16	15.21	19.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	15.18	15.28	15.25	19.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	15.14	15.13	15.22	19.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	15.14	15.13	15.11	19.5	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	15.17	15.20	15.10	19.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	15.13	15.11	15.21	19.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	15.13	15.20	15.21	19.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	15.15	15.23	15.15	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3705	3840	3930		
100	Pi2 BPSK	1	1	17.90	18.04	17.86		
100	Pi2 BPSK	1	137	17.85	18.05	17.75	19.5	0.0
100	Pi2 BPSK	1	271	17.70	17.90	17.65		
100	Pi2 BPSK	135	0	17.60	17.70	17.74	19.5	0.0
100	Pi2 BPSK	135	69	18.02	17.99	17.87	19.5	0.0
100	Pi2 BPSK	135	135	17.81	18.01	17.86	19.5	0.0
100	Pi2 BPSK	270	0	17.80	17.84	17.78		
100	QPSK	1	1	18.02	18.06	18.01		
100	QPSK	1	137	17.92	17.85	17.83	19.5	0.0
100	QPSK	1	271	17.84	18.03	17.71		
100	QPSK	135	0	17.77	17.96	17.73	19.5	0.0
100	QPSK	135	69	17.95	18.03	17.99	19.5	0.0
100	QPSK	135	138	17.91	17.94	17.87	19.5	0.0
100	QPSK	270	0	17.97	17.99	17.97	19.5	0.0
100	8QAM	1	1	17.96	18.02	17.86	19.5	0.0
100	8QAM	1	1	17.87	17.86	17.90	19.5	0.0
100	25QAM	1	1	18.00	18.00	17.78	19.5	0.0
Channel								
Frequency (MHz)				648668	656000	662334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	18.02	17.91	17.90	19.5	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	17.88	17.95	17.84	19.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	17.90	17.97	17.92	19.5	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	17.97	17.95	17.99	19.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	17.99	17.86	17.88	19.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	17.84	17.98	17.82	19.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	17.99	18.04	17.83	19.5	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	18.01	17.95	17.99	19.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	17.93	17.87	17.82	19.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	17.93	18.00	17.91	19.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	18.00	17.93	17.87	19.5	0.0

Part27Q n77 Main PA Ant6 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		15.07			
100	Pi2 BPSK	1	137		15.19		16.5	0.0
100	Pi2 BPSK	1	271		14.83			
100	Pi2 BPSK	135	0		14.73		16.5	0.0
100	Pi2 BPSK	135	69		15.02		16.5	0.0
100	Pi2 BPSK	135	138		15.17		16.5	0.0
100	Pi2 BPSK	270	0		15.14		16.5	0.0
100	QPSK	1	1		15.22			
100	QPSK	1	137		15.04		16.5	0.0
100	QPSK	1	271		14.98			
100	QPSK	135	0		15.10		16.5	0.0
100	QPSK	135	69		15.15		16.5	0.0
100	QPSK	135	138		15.02		16.5	0.0
100	QPSK	270	0		15.12		16.5	0.0
100	8QAM	1	1		15.21		16.5	0.0
100	8QAM	1	1		15.22		16.5	0.0
100	25QAM	1	1		15.08		16.5	0.0
Channel								
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	15.08	15.11	14.94	19.5	0.0
Channel								
Frequency (MHz)				632668	633334	634000	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	14.92	15.11	14.97	19.5	0.0
Channel								
Frequency (MHz)				632334	633334	634334	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	15.03	15.01	15.11	19.5	0.0
Channel								
Frequency (MHz)				632000	633334	635000	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	15.01	15.11	14.92	19.5	0.0
Channel								
Frequency (MHz)				631668	633334	635500	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	15.08	15.05	15.05	19.5	0.0
Channel								
Frequency (MHz)				631334	633334	636000	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	14.99	15.03	14.87	19.5	0.0
Channel								
Frequency (MHz)				631000	633334	636668	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	14.91	15.11	15.03	19.5	0.0
Channel								
Frequency (MHz)				630668	633334	637334	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	14.93	15.01	14.90	19.5	0.0
Channel								
Frequency (MHz)				630334	633334	638000	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	14.90	15.11	14.90	19.5	0.0
Channel								
Frequency (MHz)				630000	633334	638668	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	15.04	15.11	14.96	19.5	0.0
Channel								
Frequency (MHz)				629668	633334	639334	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	15.01	15.11	14.94	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	633334			
Frequency (MHz)				18.12				
100	Pi2 BPSK	1	1	18.19			19.5	0.0
100	Pi2 BPSK	1	137	18.19				
100	Pi2 BPSK	1	271	17.95				
100	Pi2 BPSK	135	0	17.83			19.5	0.0
100	Pi2 BPSK	135	69	18.19			19.5	0.0
100	Pi2 BPSK	135	138	18.04			19.5	0.0
100	Pi2 BPSK	270	0	17.99				
100	QPSK	1	1	18.23				
100	QPSK	1	137	18.05			19.5	0.0
100	QPSK	1	271	18.11				
100	QPSK	135	0	18.07			19.5	0.0
100	QPSK	135	69	18.20			19.5	0.0
100	QPSK	135	138	18.00			19.5	0.0
100	QPSK	270	0	18.16			19.5	0.0
100	8QAM	1	1	18.19			19.5	0.0
100	8QAM	1	1	18.07			19.5	0.0
100	25QAM	1	1	18.13			19.5	0.0
Channel				633000	633334	633668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.99	18.07	17.96	19.5	0.0
Channel				632668	633334	634000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.05	18.06	18.02	19.5	0.0
Channel				632334	633334	634334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.98	18.17	17.98	19.5	0.0
Channel				632000	633334	634668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	18.01	18.12	18.01	19.5	0.0
Channel				631668	633334	635000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.01	18.13	18.07	19.5	0.0
Channel				631334	633334	635334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.07	18.14	18.01	19.5	0.0
Channel				631000	633334	635668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.91	18.13	17.97	19.5	0.0
Channel				630634	633334	635934	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.08	18.06	17.98	19.5	0.0
Channel				630268	633334	636268	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3459.02	3500.01	3540		
20	QPSK	1	1	17.98	18.19	18.07	19.5	0.0
Channel				630000	633334	636168	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.05	18.16	18.14	19.5	0.0
Channel				630334	633334	636334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.07	18.18	17.97	19.5	0.0

Part27O n78 Main PA Ant6 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				14.50				
100	Pi2 BPSK	1	1	14.48			15.5	0.0
100	Pi2 BPSK	1	137	14.48				
100	Pi2 BPSK	1	271	14.26				
100	Pi2 BPSK	135	0	14.33			15.5	0.0
100	Pi2 BPSK	135	69	14.43			15.5	0.0
100	Pi2 BPSK	135	138	14.44			15.5	0.0
100	Pi2 BPSK	270	0	14.33				
100	QPSK	1	1	14.66				
100	QPSK	1	137	14.49			15.5	0.0
100	QPSK	1	271	14.54				
100	QPSK	135	0	14.56			15.5	0.0
100	QPSK	135	69	14.57			15.5	0.0
100	QPSK	135	138	14.30			15.5	0.0
100	QPSK	270	0	14.54			15.5	0.0
100	8QAM	1	1	14.61			15.5	0.0
100	8QAM	1	1	14.36			15.5	0.0
100	25QAM	1	1	14.53			15.5	0.0
Channel				648668	650000	650334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3750	3753.01		
90	QPSK	1	1	14.15	14.05	14.36	15.5	0.0
Channel				648334	650000	650668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	14.52	14.48	14.36	15.5	0.0
Channel				648000	650000	651000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.46	14.48	14.36	15.5	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3733.02	3750	3763.01		
60	QPSK	1	1	14.40	14.40	14.51	15.5	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3728.01	3750	3775.02		
50	QPSK	1	1	14.54	14.52	14.39	15.5	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	14.58	14.62	14.47	15.5	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3750	3763.01		
30	QPSK	1	1	14.46	14.59	14.43	15.5	0.0
Channel				647500	650000	652500	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	14.53	14.54	14.47	15.5	0.0
Channel				647334	650000	652668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.58	14.64	14.47	15.5	0.0
Channel				647168	650000	652834	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	14.43	14.63	14.35	15.5	0.0
Channel				647000	650000	653000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	14.43	14.58	14.34	15.5	0.0

Part27O n78 PC2 Main PA Ant6 DSI4

BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				17.40				
100	Pi2 BPSK	1	1	17.41			18.5	0.0
100	Pi2 BPSK	1	137	17.41				
100	Pi2 BPSK	1	271	17.20				
100	Pi2 BPSK	135	0	17.18			18.5	0.0
100	Pi2 BPSK	135	69	17.43			18.5	0.0
100	Pi2 BPSK	135	138	17.51			18.5	0.0
100	Pi2 BPSK	270	0	17.26				
100	QPSK	1	1	17.63				
100	QPSK	1	137	17.34			18.5	0.0
100	QPSK	1	271	17.47				
100	QPSK	135	0	17.43			18.5	0.0
100	QPSK	135	69	17.58			18.5	0.0
100	QPSK	135	138	17.30			18.5	0.0
100	QPSK	270	0	17.48			18.5	0.0
100	16QAM	1	1	17.20			18.5	0.0
100	64QAM	1	1	16.87			18.5	0.0
100	256QAM	1	1	17.22			18.5	0.0
Channel				648668	650000	650334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.49	17.52	17.36	18.5	0.0
Channel				648334	650000	650668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3742.01	3750	3762.02		
80	QPSK	1	1	17.44	17.59	17.53	18.5	0.0
Channel				648000	650000	651000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.42	17.59	17.32	18.5	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3733.02	3750	3763.01		
60	QPSK	1	1	17.41	17.45	17.43	18.5	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3728.01	3750	3775.02		
50	QPSK	1	1	17.27	17.45	17.50	18.5	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	17.36	17.48	17.30	18.5	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3750	3763.01		
30	QPSK	1	1	17.28	17.62	17.44	18.5	0.0
Channel				647500	650000	652500	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.45	17.47	17.39	18.5	0.0
Channel				647334	650000	652668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.36	17.55	17.29	18.5	0.0
Channel				647168	650000	652834	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.27	17.53	17.30	18.5	0.0
Channel				647000	650000	653000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.34	17.50	17.46	18.5	0.0

Part27Q n78 Main PA Ant6 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
100	Pi2 BPSK	1	1		14.48		15.5		
100	Pi2 BPSK	1	137		14.57				
100	Pi2 BPSK	1	271		14.40				
100	Pi2 BPSK	135	0		14.46		15.5	0.0	
100	Pi2 BPSK	135	69		14.38		15.5	0.0	
100	Pi2 BPSK	135	138		14.44		15.5		
100	Pi2 BPSK	270	0		14.30			0.0	
100	QPSK	1	1		14.69				
100	QPSK	1	137		14.47		15.5	0.0	
100	QPSK	1	271		14.63		15.5		
100	QPSK	135	0		14.54			0.0	
100	QPSK	135	69		14.63			0.0	
100	QPSK	135	138		14.40		15.5	0.0	
100	QPSK	270	0		14.58		15.5		
100	16QAM	1	1		14.30			0.0	
100	64QAM	1	1		14.04			0.0	
100	256QAM	1	1		14.46		15.5	0.0	
Channel				633000	633334	633668	tune-up limit (dB)	MPR	
Frequency (MHz)				3455	3500.01	3528.02	limit (dB)		
90	QPSK	1	1	14.49	14.52	14.53	15.5	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dBm)		
80	QPSK	1	1	14.47	14.47	14.41	15.5	0.0	
Channel				632334	633334	634334	limit (dB)		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dB)		
70	QPSK	1	1	14.39	14.54	14.53	15.5	0.0	
Channel				632000	633334	634668	tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	14.50	14.59	14.54	15.5	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dBm)		
50	QPSK	1	1	14.42	14.48	14.50	15.5	0.0	
Channel				631334	633334	635334	limit (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	14.59	14.40	14.42	15.5	0.0	
Channel				631000	633334	635668	tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3500.01	3528.02	limit (dB)		
30	QPSK	1	1	14.45	14.60	14.51	15.5	0.0	
Channel				630634	633334	635834	tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dBm)		
25	QPSK	1	1	14.47	14.44	14.44	15.5	0.0	
Channel				630368	633334	636000	limit (dB)		
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	14.53	14.45	14.37	15.5	0.0	
Channel				630000	633334	636168	tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3500.01	3524.52	limit (dB)		
15	QPSK	1	1	14.53	14.47	14.47	15.5	0.0	
Channel				630334	633334	636334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dBm)		
10	QPSK	1	1	14.44	14.58	14.48	15.5	0.0	

Part27Q n78 PC2 Main PA Ant6 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
100	Pi2 BPSK	1	1		17.49		18.5		
100	Pi2 BPSK	1	137		17.61			0.0	
100	Pi2 BPSK	1	271		17.51				
100	Pi2 BPSK	135	0		17.30		18.5	0.0	
100	Pi2 BPSK	135	69		17.69		18.5	0.0	
100	Pi2 BPSK	135	138		17.72		18.5		
100	Pi2 BPSK	270	0		17.49			0.0	
100	QPSK	1	1		17.85				
100	QPSK	1	137		17.63		18.5	0.0	
100	QPSK	1	271		17.67		18.5		
100	QPSK	135	0		17.60			0.0	
100	QPSK	135	69		17.77			0.0	
100	QPSK	135	138		17.60		18.5	0.0	
100	QPSK	270	0		17.63		18.5		
100	16QAM	1	1		17.40			0.0	
100	64QAM	1	1		17.12			0.0	
100	256QAM	1	1		17.49		18.5	0.0	
Channel				633000	633334	633668	tune-up limit (dB)	MPR	
Frequency (MHz)				3455	3500.01	3528.02	limit (dB)		
90	QPSK	1	1	17.35	17.84	17.70	18.5	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dBm)		
80	QPSK	1	1	17.42	17.74	17.62	18.5	0.0	
Channel				632334	633334	634334	limit (dB)		
Frequency (MHz)				3485.01	3500.01	3515.01	limit (dBm)		
70	QPSK	1	1	17.46	17.76	17.79	18.5	0.0	
Channel				632000	633334	634668	tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3500.01	3520.02	limit (dB)		
60	QPSK	1	1	17.37	17.84	17.69	18.5	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dBm)		
50	QPSK	1	1	17.45	17.75	17.77	18.5	0.0	
Channel				631334	633334	635334	limit (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01	limit (dB)		
40	QPSK	1	1	17.50	17.76	17.79	18.5	0.0	
Channel				631000	633334	635668	tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3500.01	3528.02	limit (dB)		
30	QPSK	1	1	17.35	17.77	17.74	18.5	0.0	
Channel				630634	633334	635834	tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	limit (dBm)		
25	QPSK	1	1	17.53	17.63	17.65	18.5	0.0	
Channel				630368	633334	636000	limit (dB)		
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)		
20	QPSK	1	1	17.39	17.83	17.78	18.5	0.0	
Channel				630000	633334	636168	tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3500.01	3524.52	limit (dB)		
15	QPSK	1	1	17.54	17.84	17.59	18.5	0.0	
Channel				630334	633334	636334	tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	limit (dBm)		
10	QPSK	1	1	17.40	17.83	17.67	18.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq	Power Middle Ch. F Freq	Power High Ch. F Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3700	3840	3930		
100	Pi2 BPSK	1	1	16.16	16.38	16.33		
100	Pi2 BPSK	1	137	16.08	16.37	16.25	18.0	0.0
100	Pi2 BPSK	1	271	16.08	16.25	16.17		
100	Pi2 BPSK	135	0	16.30	16.16	16.10	18.0	0.0
100	Pi2 BPSK	135	69	16.33	16.34	16.30	18.0	0.0
100	Pi2 BPSK	135	138	16.13	16.22	16.06		
100	Pi2 BPSK	270	0	16.20	16.25	16.24	18.0	0.0
100	QPSK	1	1	16.22	16.46	16.31		
100	QPSK	1	137	16.10	16.25	16.24	18.0	0.0
100	QPSK	1	271	16.10	16.31	16.14		
100	QPSK	135	0	16.17	16.23	16.31	18.0	0.0
100	QPSK	135	69	16.28	16.38	16.32	18.0	0.0
100	QPSK	135	138	16.19	16.18	16.12	18.0	0.0
100	QPSK	270	0	16.27	16.32	16.15	18.0	0.0
100	8QAM	1	1	16.16	16.26	16.15	18.0	0.0
100	8QAM	1	1	16.16	16.14	16.18	18.0	0.0
100	25QAM	1	1	16.14	16.39	16.43	18.0	0.0
Channel								
Frequency (MHz)				649668	656000	662334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	16.05	16.13	16.11	18.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	16.19	16.23	16.13	18.0	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	16.10	16.16	16.25	18.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	16.05	16.21	16.31	18.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	16.10	16.24	16.26	18.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	16.11	16.10	16.27	18.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	16.08	16.06	16.21	18.0	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	16.02	16.05	16.21	18.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	16.03	16.19	16.16	18.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	16.14	16.23	16.15	18.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	16.15	16.05	16.13	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq	Power Middle Ch. F Freq	Power High Ch. F Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3700	3840	3930		
100	Pi2 BPSK	1	1	19.22	19.22	19.17		
100	Pi2 BPSK	1	137	19.17	19.22	19.28	21.0	0.0
100	Pi2 BPSK	1	271	19.14	19.19	19.17		
100	Pi2 BPSK	135	0	19.14	19.23	19.28	21.0	0.0
100	Pi2 BPSK	135	69	19.19	19.31	19.05	21.0	0.0
100	Pi2 BPSK	135	138	19.33	19.19	19.34		
100	Pi2 BPSK	270	0	19.10	19.22	19.28	21.0	0.0
100	QPSK	1	1	19.23	19.36	19.13		
100	QPSK	1	137	19.16	19.26	19.11	21.0	0.0
100	QPSK	1	271	19.05	19.23	19.21		
100	QPSK	135	0	19.23	19.20	19.23	21.0	0.0
100	QPSK	135	69	19.12	19.34	19.21	21.0	0.0
100	QPSK	135	138	19.12	19.12	19.14	21.0	0.0
100	QPSK	270	0	19.04	19.27	19.17	21.0	0.0
100	8QAM	1	1	19.16	19.26	19.34	21.0	0.0
100	8QAM	1	1	19.07	19.23	19.30	21.0	0.0
100	25QAM	1	1	19.26	19.34	19.30	21.0	0.0
Channel								
Frequency (MHz)				649668	656000	662334	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	19.20	19.16	19.03	21.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	19.19	19.28	19.12	21.0	0.0
Channel								
Frequency (MHz)				3735	3840	3945	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	19.18	19.28	19.12	21.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	19.18	19.25	19.06	21.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	19.35	19.35	19.02	21.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	19.24	19.24	19.06	21.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	19.28	19.12	19.05	21.0	0.0
Channel								
Frequency (MHz)				647500	656000	664500	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	19.26	19.21	19.03	21.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	19.08	19.19	19.10	21.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	19.11	19.25	19.16	21.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	19.23	19.30	19.06	21.0	0.0

Part27Q n77 Main PA Ant7 DSI4

BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. F / Freq	Power Middle Ch. F / Freq	Power High Ch. F / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		16.49			
100	Pi2 BPSK	1	137		16.38		18.0	0.0
100	Pi2 BPSK	1	271		16.31			
100	Pi2 BPSK	135	0		16.22		18.0	0.0
100	Pi2 BPSK	135	69		16.34		18.0	0.0
100	Pi2 BPSK	135	138		16.16			
100	Pi2 BPSK	270	0		16.24		18.0	0.0
100	QPSK	1	1		16.51			
100	QPSK	1	137		16.35		18.0	0.0
100	QPSK	1	271		16.32			
100	QPSK	135	0		16.13		18.0	0.0
100	QPSK	135	69		16.39		18.0	0.0
100	QPSK	135	138		16.30		18.0	0.0
100	QPSK	270	0		16.22		18.0	0.0
100	16QAM	1	1		16.21		18.0	0.0
100	64QAM	1	1		16.20		18.0	0.0
100	256QAM	1	1		16.32		18.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	time-up limit (dB)	MPR (dB)
90	QPSK	1	1	16.12	16.26	16.37	18.0	0.0
Channel								
Frequency (MHz)				633668	633334	634000	time-up limit (dB)	MPR (dB)
80	QPSK	1	1	16.22	16.24	16.31	18.0	0.0
Channel								
Frequency (MHz)				634000	633334	634334	time-up limit (dB)	MPR (dB)
70	QPSK	1	1	16.17	16.28	16.42	18.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	time-up limit (dB)	MPR (dB)
60	QPSK	1	1	16.21	16.22	16.48	18.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	time-up limit (dB)	MPR (dB)
50	QPSK	1	1	16.06	16.11	16.02	18.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	time-up limit (dB)	MPR (dB)
40	QPSK	1	1	16.14	16.27	16.30	18.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	time-up limit (dB)	MPR (dB)
30	QPSK	1	1	16.19	16.28	16.45	18.0	0.0
Channel								
Frequency (MHz)				3482.51	3500.01	3537.51	time-up limit (dB)	MPR (dB)
25	QPSK	1	1	16.08	16.37	16.38	18.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	time-up limit (dB)	MPR (dB)
20	QPSK	1	1	16.16	16.36	16.42	18.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	time-up limit (dB)	MPR (dB)
15	QPSK	1	1	16.20	16.28	16.35	18.0	0.0
Channel								
Frequency (MHz)				3455.01	3500.01	3545.01	time-up limit (dB)	MPR (dB)
10	QPSK	1	1	16.15	16.36	16.30	18.0	0.0

Part27Q n77 PC2 Main PA Ant7 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01	633334			
Frequency (MHz)				19.24				
100	PI2 BPSK	1	1	19.14			21.0	0.0
100	PI2 BPSK	1	137	19.17				
100	PI2 BPSK	1	271	19.19				
100	PI2 BPSK	135	0	19.19			21.0	0.0
100	PI2 BPSK	135	69	19.29			21.0	0.0
100	PI2 BPSK	135	138	19.16				
100	PI2 BPSK	270	0	19.20			21.0	0.0
100	QPSK	1	1	19.43				
100	QPSK	1	137	19.16			21.0	0.0
100	QPSK	1	271	19.24				
100	QPSK	135	0	19.22			21.0	0.0
100	QPSK	135	69	19.26			21.0	0.0
100	QPSK	135	138	19.12			21.0	0.0
100	QPSK	270	0	19.24			21.0	0.0
100	8QAM	1	1	19.37			21.0	0.0
100	8QAM	1	1	19.26			21.0	0.0
100	25QAM	1	1	19.16			21.0	0.0
Channel				633000	633334	633668	time-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.30	19.12	19.07	21.0	0.0
Channel				632668	633334	634000	time-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.34	19.08	19.10	21.0	0.0
Channel				632334	633334	634334	time-up limit (dBm)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.34	19.05	19.14	21.0	0.0
Channel				632000	633334	634668	time-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3510.02		
60	QPSK	1	1	19.37	19.08	19.14	21.0	0.0
Channel				631668	633334	635000	time-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.32	19.07	19.03	21.0	0.0
Channel				631334	633334	635334	time-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.38	19.05	19.05	21.0	0.0
Channel				631000	633334	635668	time-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.33	19.10	19.14	21.0	0.0
Channel				630634	633334	636000	time-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.24	19.07	19.19	21.0	0.0
Channel				630300	633334	636300	time-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.22	19.14	19.01	21.0	0.0
Channel				630000	633334	636668	time-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.29	19.12	19.14	21.0	0.0
Channel				630334	633334	636334	time-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.27	19.05	19.11	21.0	0.0

Part27O n78 Main PA Ant7 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				16.79				
100	PI2 BPSK	1	1	16.79			18.0	0.0
100	PI2 BPSK	1	137	16.84				
100	PI2 BPSK	1	271	16.84				
100	PI2 BPSK	135	0	16.72			18.0	0.0
100	PI2 BPSK	135	69	16.73			18.0	0.0
100	PI2 BPSK	135	138	16.56				
100	PI2 BPSK	270	0	16.61			18.0	0.0
100	QPSK	1	1	16.93				
100	QPSK	1	137	16.71			18.0	0.0
100	QPSK	1	271	16.82				
100	QPSK	135	0	16.84			18.0	0.0
100	QPSK	135	69	16.87			18.0	0.0
100	QPSK	135	138	16.69			18.0	0.0
100	QPSK	270	0	16.80			18.0	0.0
100	8QAM	1	1	16.84			18.0	0.0
100	8QAM	1	1	16.41			18.0	0.0
100	25QAM	1	1	16.75			18.0	0.0
Channel				649668	650000	650334	time-up limit (dBm)	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.12	16.03	16.59	18.0	0.0
Channel				649334	650000	650668	time-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.73	16.71	16.68	18.0	0.0
Channel				649000	650000	651000	time-up limit (dBm)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.70	16.81	16.57	18.0	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3750	3760.01		
60	QPSK	1	1	16.14	16.02	16.70	18.0	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.75	16.90	16.58	18.0	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3790		
40	QPSK	1	1	16.82	16.71	16.70	18.0	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	16.70	16.69	16.76	18.0	0.0
Channel				647300	650000	652500	time-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.78	16.74	16.73	18.0	0.0
Channel				647000	650000	652800	time-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.85	16.82	16.69	18.0	0.0
Channel				647168	650000	652834	time-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.72	16.74	16.62	18.0	0.0
Channel				647000	650000	653000	time-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.76	16.77	16.71	18.0	0.0

Part27O n78 PC2 Main PA Ant7 DSI4

BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)				1	16.87			
100	PI2 BPSK	1	1	16.87			21.0	0.0
100	PI2 BPSK	1	137	16.85				
100	PI2 BPSK	1	271	16.87				
100	PI2 BPSK	135	0	16.82			21.0	0.0
100	PI2 BPSK	135	69	16.80			21.0	0.0
100	PI2 BPSK	135	138	16.57				
100	PI2 BPSK	270	0	16.81			21.0	0.0
100	QPSK	1	1	16.97				
100	QPSK	1	137	16.78			21.0	0.0
100	QPSK	1	271	16.84				
100	QPSK	135	0	16.89			21.0	0.0
100	QPSK	135	69	16.87			21.0	0.0
100	QPSK	135	138	16.74			21.0	0.0
100	QPSK	270	0	16.83			21.0	0.0
100	16QAM	1	1	16.69			21.0	0.0
100	64QAM	1	1	16.40			21.0	0.0
100	256QAM	1	1	16.92			21.0	0.0
Channel				649668	650000	650334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.66	16.86	16.74	21.0	0.0
Channel				649334	650000	650668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.80	16.92	16.66	21.0	0.0
Channel				649000	650000	651000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.76	16.86	16.77	21.0	0.0
Channel				648668	650000	651334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3760.01		
60	QPSK	1	1	16.69	16.77	16.78	21.0	0.0
Channel				648334	650000	651668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.68	16.77	16.85	21.0	0.0
Channel				648000	650000	652000	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3790		
40	QPSK	1	1	16.85	16.93	16.77	21.0	0.0
Channel				647668	650000	652334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	16.81	16.76	16.71	21.0	0.0
Channel				647300	650000	652500	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.85	16.75	16.86	21.0	0.0
Channel				647000	650000	652668	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3792.02		
20	QPSK	1	1	16.12	16.96	16.96	21.0	0.0
Channel				647668	650000	650334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3702.51		
15	QPSK	1	1	16.71	16.92	16.73	21.0	0.0
Channel				647300	650000	650334	time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.66	16.91	16.76	21.0	0.0

Part27Q n78 Main PA Ant7 DSI4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633334			18.0	0.0		
Frequency (MHz)				3000.01						
100	PI2 BPSK	1	1	17.08						
100	PI2 BPSK	1	137	17.11						
100	PI2 BPSK	1	271	16.98						
100	PI2 BPSK	135	0	16.93			18.0	0.0		
100	PI2 BPSK	135	69	17.15			18.0	0.0		
100	PI2 BPSK	135	138	16.79			18.0	0.0		
100	PI2 BPSK	270	0	16.92			18.0	0.0		
100	QPSK	1	1	17.35			18.0	0.0		
100	QPSK	1	137	16.91						
100	QPSK	1	271	17.24						
100	QPSK	135	0	17.00			18.0	0.0		
100	QPSK	135	69	17.17			18.0	0.0		
100	QPSK	135	138	17.06			18.0	0.0		
100	QPSK	270	0	17.08			18.0	0.0		
100	16QAM	1	1	17.03			18.0	0.0		
100	64QAM	1	1	16.73			18.0	0.0		
100	256QAM	1	1	17.12			18.0	0.0		
Channel				633000	633334	633668	turn-up limit (dB)	MPR		
Frequency (MHz)				3495	3000.01	3025.02				
90	QPSK	1	1	17.15	17.25	17.14	18.0	0.0		
Channel				632668	633334	634000	turn-up limit (dBm)	MPR		
Frequency (MHz)				3490.02	3000.01	3510				
80	QPSK	1	1	17.05	17.10	17.05	18.0	0.0		
Channel				632334	633334	634334	turn-up limit (dB)	MPR		
Frequency (MHz)				3485.01	3000.01	3515.01				
70	QPSK	1	1	17.21	17.29	17.06	18.0	0.0		
Channel				632000	633334	634668	turn-up limit (dB)	MPR		
Frequency (MHz)				3450	3000.01	3520.02				
60	QPSK	1	1	17.25	17.20	17.19	18.0	0.0		
Channel				631668	633334	635000	turn-up limit (dBm)	MPR		
Frequency (MHz)				3475.02	3000.01	3525				
50	QPSK	1	1	17.18	17.21	17.18	18.0	0.0		
Channel				631334	633334	635334	turn-up limit (dB)	MPR		
Frequency (MHz)				3470.01	3000.01	3530.01				
40	QPSK	1	1	17.08	17.21	17.20	18.0	0.0		
Channel				631000	633334	635668	turn-up limit (dB)	MPR		
Frequency (MHz)				3465	3000.01	3525.02				
30	QPSK	1	1	17.02	17.23	17.02	18.0	0.0		
Channel				630834	633334	635834	turn-up limit (dBm)	MPR		
Frequency (MHz)				3462.51	3000.01	3537.51				
25	QPSK	1	1	17.13	17.28	17.22	18.0	0.0		
Channel				630668	633334	636000	turn-up limit (dB)	MPR		
Frequency (MHz)				3460.02	3000.01	3540				
20	QPSK	1	1	17.10	17.15	16.99	18.0	0.0		
Channel				630500	633334	636168	turn-up limit (dBm)	MPR		
Frequency (MHz)				3457.5	3000.01	3542.52				
15	QPSK	1	1	17.15	17.27	17.05	18.0	0.0		
Channel				630334	633334	636334	turn-up limit (dBm)	MPR		
Frequency (MHz)				3455.01	3000.01	3545.01				
10	QPSK	1	1	17.09	17.32	17.14	18.0	0.0		

Part27Q n78 PC2 Main PA Ant7 DSI4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633334			21.0	0.0		
Frequency (MHz)				3000.01						
100	PI2 BPSK	1	1	19.87						
100	PI2 BPSK	1	137	19.92						
100	PI2 BPSK	1	271	19.97						
100	PI2 BPSK	135	0	19.99			21.0	0.0		
100	PI2 BPSK	135	69	19.95			21.0	0.0		
100	PI2 BPSK	135	138	19.74			21.0	0.0		
100	PI2 BPSK	270	0	19.99			21.0	0.0		
100	QPSK	1	1	19.87			21.0	0.0		
100	QPSK	1	137	19.80						
100	QPSK	1	271	19.88						
100	QPSK	135	0	19.85			21.0	0.0		
100	QPSK	135	69	19.88			21.0	0.0		
100	QPSK	135	138	19.85			21.0	0.0		
100	QPSK	270	0	19.90		19.90	21.0	0.0		
100	16QAM	1	1	19.74			21.0	0.0		
100	64QAM	1	1	19.58			21.0	0.0		
100	256QAM	1	1	19.88			21.0	0.0		
Channel				633000	633334	633668	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3450	3000.01	3025.02				
90	QPSK	1	1	19.87	19.94	19.86	21.0	0.0		
Channel				632668	633334	634000	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3000.01	3510				
80	QPSK	1	1	19.89	19.77	19.93	21.0	0.0		
Channel				632334	633334	634334	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3000.01	3515.01				
70	QPSK	1	1	19.76	19.82	19.96	21.0	0.0		
Channel				632000	633334	634668	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3450	3000.01	3520.02				
60	QPSK	1	1	19.86	19.85	19.93	21.0	0.0		
Channel				631668	633334	635000	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3000.01	3525				
50	QPSK	1	1	19.88	19.94	19.98	21.0	0.0		
Channel				631334	633334	635334	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3000.01	3530.01				
40	QPSK	1	1	19.81	19.85	19.97	21.0	0.0		
Channel				631000	633334	635668	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3000.01	3535.02				
30	QPSK	1	1	19.87	19.81	19.84	21.0	0.0		
Channel				630834	633334	635834	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3462.51	3000.01	3537.51				
25	QPSK	1	1	19.89	19.90	19.81	21.0	0.0		
Channel				630668	633334	636000	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3000.01	3540				
20	QPSK	1	1	19.85	19.83	19.81	21.0	0.0		
Channel				630500	633334	636168	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3000.01	3542.52				
15	QPSK	1	1	19.81	19.87	19.96	21.0	0.0		
Channel				630334	633334	636334	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3000.01	3545.01				
10	QPSK	1	1	19.85	19.94	19.95	21.0	0.0		

DSI 4 Power for FR1 EN-DC Main PA

n7 Main PA Ant4 DSI4 ENDC								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Power 500000	Power Middle Ch. Power 607000	Power High Ch. Power 800000	Tune-up Rate (dBm)	MPR (dB)
Channel				2525	2535	2545		
50	Frequency (MHz)			17.84	17.83	17.83		
50	RV2 BPSK	1	1	17.84	17.83	17.83		
50	RV2 BPSK	1	135	17.38	17.48	17.14	18.5	0.0
50	RV2 BPSK	1	265	17.28	17.59	17.28		
50	RV2 BPSK	135	0	17.40	17.45	17.45	18.5	0.0
50	RV2 BPSK	135	85	17.43	17.47	17.31	18.5	0.0
50	RV2 BPSK	135	135	17.50	17.42	17.39	18.5	0.0
50	RV2 BPSK	270	0	17.40	17.52	17.58	18.5	0.0
50	QPSK	1	1	17.47	17.62	17.58		
50	QPSK	1	135	17.40	17.55	17.27	18.5	0.0
50	QPSK	1	265	17.45	17.60	17.57		
50	QPSK	135	0	17.27	17.42	17.55	18.5	0.0
50	QPSK	135	85	17.46	17.61	17.33	18.5	0.0
50	QPSK	135	135	17.25	17.53	17.28	18.5	0.0
50	QPSK	270	0	17.36	17.54	17.41		
50	16QAM	1	1	17.52	17.41	17.53	18.5	0.0
50	16QAM	1	1	17.46	17.48	17.35	18.5	0.0
50	16QAM	1	1	17.55	17.54	17.60	18.5	0.0
Channel				504000	507000	510000	Tune-up Rate	MPR
40	Frequency (MHz)			2520	2535	2550	(dBm)	(dB)
40	QPSK	1	1	17.51	17.49	17.37	18.5	0.0
Channel				503000	507000	511000	Tune-up Rate	MPR
30	Frequency (MHz)			2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	17.48	17.50	17.33	18.5	0.0
Channel				502000	507000	511500	Tune-up Rate	MPR
25	Frequency (MHz)			2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	17.47	17.43	17.23	18.5	0.0
Channel				502000	507000	513000	Tune-up Rate	MPR
20	Frequency (MHz)			2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	17.48	17.52	17.42	18.5	0.0
Channel				501000	507000	513500	Tune-up Rate	MPR
15	Frequency (MHz)			2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	17.53	17.46	17.23	18.5	0.0
Channel				501000	507000	513500	Tune-up Rate	MPR
10	Frequency (MHz)			2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	17.49	17.42	17.41	18.5	0.0
Channel				500500	507000	513500	Tune-up Rate	MPR
5	Frequency (MHz)			2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	17.42	17.47	17.43	18.5	0.0

n38 Main PA Ant4 DS14 ENDC								
BW (kHz)	Modulation	RB Size	RB Offset	Power Low P _{ch, L Power}	Power Main P _{ch, F Power}	Power High P _{ch, F Power}	Turn-up time (min)	MPK (dB)
Channel				1568.04	1568.00	1568.06	20.2	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	18.84	18.86	18.85	20.2	0.0
40	PI2 BPSK	1	53	18.72	18.72	18.76		
40	PI2 BPSK	1	104	18.74	18.79	18.72	20.2	0.0
40	PI2 BPSK	50	0	18.86	18.83	18.74		
40	PI2 BPSK	50	26	18.51	18.82	18.70	20.2	0.0
40	PI2 BPSK	50	56	18.71	18.84	18.70		
40	PI2 BPSK	100	0	18.81	18.90	18.81	20.2	0.0
40	QPSK	1	1	18.80	18.89	18.80		
40	QPSK	1	53	18.84	18.78	18.64	20.2	0.0
40	QPSK	1	104	18.65	18.87	18.66		
40	QPSK	50	0	18.77	18.91	18.73	20.2	0.0
40	QPSK	50	26	18.88	18.92	18.80		
40	QPSK	50	56	18.81	18.87	18.71	20.2	0.0
40	QPSK	100	0	18.77	18.89	18.73		
40	16QAM	1	1	18.86	18.85	18.80	20.2	0.0
40	16QAM	1	1	18.86	18.93	18.76		
40	256QAM	1	1	18.98	18.78	18.76	20.2	0.0
Channel				1512.02	1512.00	1512.06		
Frequency (MHz)				2585.01	2585	2604.99	20.2	0.0
30	QPSK	1	1	18.59	18.92	18.71		
Channel				1512.01	1512.00	1512.06	20.2	0.0
Frequency (MHz)				2582.52	2585	2607.48		
25	QPSK	1	1	18.83	18.95	18.82	20.2	0.0
Channel				1510.00	1510.00	1520.00		
Frequency (MHz)				2580	2585	2610	20.2	0.0
20	QPSK	1	1	18.58	18.97	18.66		
Channel				1510.02	1510.00	1520.06	20.2	0.0
Frequency (MHz)				2577.51	2585	2612.49		
15	QPSK	1	1	18.57	18.97	18.66	20.2	0.0
Channel				1510.04	1510.00	1520.06		
Frequency (MHz)				2579.02	2585	2614.98	20.2	0.0
10	QPSK	1	1	18.58	18.92	18.64		

Part270 n78 Main PA Ant7 DS14 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Pb / Pmax	Power Main Pb / Pmax	Power High Pb / Pmax	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1		14.06				
100	P1/2 BPSK	1	137		14.78		18.0	0.0	
100	P1/2 BPSK	1	271		14.49				
100	P1/2 BPSK	135	0		14.67		18.0	0.0	
100	P1/2 BPSK	135	89		14.49		18.0	0.0	
100	P1/2 BPSK	135	138		14.51		18.0	0.0	
100	P1/2 BPSK	270	0		14.47				
100	QPSK	1	1		14.38				
100	QPSK	1	137		14.52		18.0	0.0	
100	QPSK	1	271		14.70				
100	QPSK	135	0		14.30		18.0	0.0	
100	QPSK	135	89		14.31		18.0	0.0	
100	QPSK	135	138		14.64		18.0	0.0	
100	QPSK	270	0		14.56				
100	16QAM	1	1		14.57		18.0	0.0	
100	64QAM	1	1		14.27		18.0	0.0	
100	256QAM	1	1		14.63		18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	14.76	14.77	14.57	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.73	14.73	14.68	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.62	14.71	14.59	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.65	14.71	14.57	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.78	14.84	14.59	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.62	14.73	14.64	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.62	14.80	14.57	18.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	14.67	14.75	14.63	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.60	14.74	14.59	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.68	14.84	14.67	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.62	14.70	14.72	18.0	0.0	

Part270 n78 PC2 Main PA Ant7 DS14 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Pb / Pmax	Power Main Pb / Pmax	Power High Pb / Pmax	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1		17.83				
100	P1/2 BPSK	1	137		17.80		19.0	0.0	
100	P1/2 BPSK	1	271		17.79				
100	P1/2 BPSK	135	0		17.75		19.0	0.0	
100	P1/2 BPSK	135	89		17.73		19.0	0.0	
100	P1/2 BPSK	135	138		17.50		19.0	0.0	
100	P1/2 BPSK	270	0		17.70				
100	QPSK	1	1		17.69				
100	QPSK	1	137		17.75		19.0	0.0	
100	QPSK	1	271		17.78				
100	QPSK	135	0		17.62		19.0	0.0	
100	QPSK	135	89		17.81		19.0	0.0	
100	QPSK	135	138		17.70		19.0	0.0	
100	QPSK	270	0		17.71				
100	16QAM	1	1		17.55		19.0	0.0	
100	64QAM	1	1		17.34		19.0	0.0	
100	256QAM	1	1		17.77		19.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.62	17.78	17.69	19.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.61	17.75	17.65	19.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.61	17.81	17.67	19.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.65	17.81	17.71	19.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.62	17.81	17.60	19.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.68	17.74	17.66	19.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.60	17.80	17.55	19.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.74	17.75	17.61	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.70	17.69	17.64	19.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.77	17.87	17.54	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.73	17.80	17.62	19.0	0.0	

Part27Q n78 Main PA Ant7 DSI4 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Mid P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	14.87	63334	63368	16.0	0.0	
100	PIQ BPSK	1	137	14.87					
100	PIQ BPSK	1	271	14.89					
100	PIQ BPSK	135	0	14.79			16.0	0.0	
100	PIQ BPSK	135	69	14.16			16.0	0.0	
100	PIQ BPSK	135	138	14.75			16.0	0.0	
100	PIQ BPSK	270	0	14.78					
100	QPSK	1	1	15.27			16.0	0.0	
100	QPSK	1	137	14.83					
100	QPSK	1	271	15.18					
100	QPSK	135	0	14.86			16.0	0.0	
100	QPSK	135	69	15.09			16.0	0.0	
100	QPSK	135	138	14.95			16.0	0.0	
100	QPSK	270	0	15.00					
100	16QAM	1	1	14.98			16.0	0.0	
100	64QAM	1	1	14.64			16.0	0.0	
100	256QAM	1	1	15.02			16.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63336	63368	16.0	0.0	MPR
90	QPSK	1	137	345	2001	2025	16.0	0.0	
90	QPSK	1	271	15.07	15.11	15.09	16.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63368	63396	63400	16.0	0.0	MPR
80	QPSK	1	137	346	2002	2010	16.0	0.0	
80	QPSK	1	271	15.06	15.23	15.02	16.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63234	63324	63434	16.0	0.0	MPR
70	QPSK	1	137	346	2011	2018	16.0	0.0	
70	QPSK	1	271	15.11	15.21	15.12	16.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63300	63336	63468	16.0	0.0	MPR
60	QPSK	1	137	346	2003	2020	16.0	0.0	
60	QPSK	1	271	15.08	15.18	14.99	16.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63168	63336	63500	16.0	0.0	MPR
50	QPSK	1	137	347	2003	2010	16.0	0.0	
50	QPSK	1	271	15.17	15.24	15.10	16.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63134	63336	63534	16.0	0.0	MPR
40	QPSK	1	137	347	2011	2018	16.0	0.0	
40	QPSK	1	271	15.20	15.17	15.00	16.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63100	63336	63568	16.0	0.0	MPR
30	QPSK	1	137	348	2003	2010	16.0	0.0	
30	QPSK	1	271	15.08	15.12	15.14	16.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63064	63336	63584	16.0	0.0	MPR
25	QPSK	1	137	348	2003	2017	16.0	0.0	
25	QPSK	1	271	15.08	15.09	15.02	16.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63068	63336	63600	16.0	0.0	MPR
20	QPSK	1	137	348	2003	2010	16.0	0.0	
20	QPSK	1	271	15.08	15.09	15.09	16.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63550	63336	63616	16.0	0.0	MPR
15	QPSK	1	137	348	2003	2010	16.0	0.0	
15	QPSK	1	271	15.18	15.24	15.07	16.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63034	63336	63634	16.0	0.0	MPR
10	QPSK	1	137	349	2003	2017	16.0	0.0	
10	QPSK	1	271	15.19	15.26	15.15	16.0	0.0	

Part27Q n78 PC2 Main PA Ant7 DSI4 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P _{ch} / P _{max}	Power Mid P _{ch} / P _{max}	Power High P _{ch} / P _{max}	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	17.74	17.74			19.0	0.0
100	PIQ BPSK	1	137	17.79	17.79				
100	PIQ BPSK	1	271	17.83	17.83				
100	PIQ BPSK	135	0	17.87	17.87		19.0	0.0	
100	PIQ BPSK	135	69	17.82	17.82		19.0	0.0	
100	PIQ BPSK	135	138	17.71	17.71		19.0	0.0	
100	PIQ BPSK	270	0	17.83	17.83				
100	QPSK	1	1	17.99	17.99		19.0	0.0	
100	QPSK	1	137	17.74	17.74			19.0	0.0
100	QPSK	1	271	17.81	17.81				
100	QPSK	135	0	17.82	17.82		19.0	0.0	
100	QPSK	135	69	17.80	17.80		19.0	0.0	
100	QPSK	135	138	17.73	17.73		19.0	0.0	
100	QPSK	270	0	17.76	17.76				
100	16QAM	1	1	17.82	17.82		19.0	0.0	
100	64QAM	1	1	17.80	17.80		19.0	0.0	
100	256QAM	1	1	17.84	17.84		19.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.81	17.81	17.48	19.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.80	17.80	17.44	19.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.46	17.46	17.55	19.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.51	17.51	17.43	19.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.47	17.47	17.39	19.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.56	17.56	17.59	19.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.80	17.80	17.51	19.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.80	17.80	17.48	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.55	17.55	17.49	19.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.64	17.64	17.55	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.57	17.57	17.55	19.0	0.0	

Default Power for FR1 Other PA

n5 Other PA Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839	25.5	0.0
Frequency (MHz)				24.43	24.47	24.37		
20	PI/2 BPSK	1	1	24.43	24.47	24.37		
20	PI/2 BPSK	1	53	24.35	24.41	24.31	25.0	0.5
20	PI/2 BPSK	1	104	24.35	24.45	24.37		
20	PI/2 BPSK	50	0	23.89	24.02	23.94		
20	PI/2 BPSK	50	28	24.35	24.44	24.30	25.0	0.5
20	PI/2 BPSK	50	56	24.00	24.08	23.99		
20	PI/2 BPSK	100	0	24.01	24.04	23.97		
20	QPSK	1	1	24.49	24.56	24.43	25.5	0.0
20	QPSK	1	53	24.42	24.47	24.36		
20	QPSK	1	104	24.33	24.41	24.30		
20	QPSK	50	0	23.97	24.12	24.07	24.5	1.0
20	QPSK	50	28	24.40	24.49	24.40	25.5	0.0
20	QPSK	50	56	23.45	23.52	23.44	24.5	1.0
20	QPSK	100	0	23.44	23.54	23.41		
20	16QAM	1	1	23.17	23.21	23.08	24.5	1.0
20	64QAM	1	1	21.74	21.78	21.69	23.0	2.5
20	256QAM	1	1	20.53	20.57	20.45	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.42	24.48	24.34		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.39	24.41	24.30		
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.32	24.47	24.37		

n5 Other PA Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166600	167300	167800			
Frequency (MHz)				834	836.5	838			
20	PQ2 BPSK	1	1		23.78		25.5	0.0	
20	PQ2 BPSK	1	53		23.69				
20	PQ2 BPSK	1	104		23.70				
20	PQ2 BPSK	50	0		23.33		25.0	0.5	
20	PQ2 BPSK	50	28		23.72		25.5	0.0	
20	PQ2 BPSK	50	86		23.29		25.0	0.5	
20	PQ2 BPSK	100	0		23.30				
20	QPSK	1	1		23.76				
20	QPSK	1	53		23.68		25.5	0.0	
20	QPSK	1	104		23.64				
20	QPSK	50	0		22.79		24.5	1.0	
20	QPSK	50	28		23.71		25.5	0.0	
20	QPSK	50	56		22.70		24.5	1.0	
20	QPSK	100	0		22.76		24.5	1.0	
20	16QAM	1	1		22.63		24.5	1.0	
20	64QAM	1	1		21.17		23.0	2.5	
20	256QAM	1	1		19.83		21.0	4.5	
Channel				166300	167300	168300	tune-up limit (dB)	MPR	
Frequency (MHz)				831.6	835.2	841.8			
15	QPSK	1	1	23.57	23.63	23.59	25.5	0.0	
Channel				166800	167300	168800	tune-up limit (dB)	MPR	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	23.54	23.69	23.61	25.5	0.0	
Channel				167000	167500	168000	tune-up limit (dB)	MPR	
Frequency (MHz)				806.5	836.5	866.5			
5	QPSK	1	1	23.51	23.65	23.58	25.5	0.0	

n66 Other PA Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	PQ2 BPSK	1	1	24.51	24.65	24.54	25.5	0.0	
45	PQ2 BPSK	1	120	24.50	24.59	24.48			
45	PQ2 BPSK	1	243	24.53	24.62	24.54			
45	PQ2 BPSK	120	0	24.21	24.26	24.18	25.0	0.5	
45	PQ2 BPSK	120	60	24.45	24.57	24.42	25.5	0.0	
45	PQ2 BPSK	120	120	24.02	24.17	24.09	25.0	0.5	
45	PQ2 BPSK	240	0	24.17	24.26	24.18	25.5	0.0	
45	QPSK	1	1	24.57	24.77	24.69			
45	QPSK	1	120	24.51	24.65	24.53			
45	QPSK	1	243	24.52	24.62	24.52	24.5	1.0	
45	QPSK	120	0	23.81	23.72	23.65			
45	QPSK	120	60	24.43	24.48	24.42	25.5	0.0	
45	QPSK	120	120	23.41	23.56	23.49	24.5	1.0	
45	QPSK	240	0	23.59	23.64	23.53	24.5	1.0	
45	16QAM	1	1	23.33	23.39	23.23			
45	64QAM	1	1	21.90	21.99	21.90	23.0	2.5	
45	256QAM	1	1	20.53	20.59	20.54	21.0	4.5	
Channel				346000	349000	352000	tune-up limit (dB)	MPR	
Frequency (MHz)				1724	1742	1760			
40	QPSK	1	1	24.56	24.64	24.61	25.5	0.0	
Channel				345500	349000	352500	tune-up limit (dB)	MPR	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	24.62	24.70	24.67	25.5	0.0	
Channel				345000	349000	353000	tune-up limit (dB)	MPR	
Frequency (MHz)				1729	1745	1765			
30	QPSK	1	1	24.48	24.64	24.56	25.5	0.0	
Channel				344500	349000	353500	tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1762.5			
25	QPSK	1	1	24.49	24.65	24.55	25.5	0.0	
Channel				344000	349000	354000	tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	24.49	24.69	24.56	25.5	0.0	
Channel				343500	349000	354500	tune-up limit (dB)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	24.42	24.70	24.62	25.5	0.0	
Channel				343000	349000	355000	tune-up limit (dB)	MPR	
Frequency (MHz)				1714	1745	1775			
10	QPSK	1	1	24.44	24.65	24.59	25.5	0.0	
Channel				342500	349000	355500	tune-up limit (dB)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	24.51	24.66	24.62	25.5	0.0	

n66 Other PA Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	25.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	23.88	23.99	23.89	25.0	0.0
45	PI/2 BPSK	1	120	23.83	23.91	23.81		
45	PI/2 BPSK	1	243	23.84	23.94	23.84		
45	PI/2 BPSK	120	0	23.08	23.21	23.09	24.5	0.5
45	PI/2 BPSK	120	60	23.87	23.93	23.82	25.0	0.0
45	PI/2 BPSK	120	120	23.36	23.42	23.33	24.5	0.5
45	PI/2 BPSK	240	0	23.16	23.26	23.12		
45	QPSK	1	1	24.01	24.06	23.90	25.0	0.0
45	QPSK	1	120	23.76	23.84	23.78		
45	QPSK	1	243	23.81	23.92	23.86		
45	QPSK	120	0	22.63	22.69	22.62	24.0	1.0
45	QPSK	120	60	23.98	24.01	23.94	25.0	0.0
45	QPSK	120	120	22.92	22.98	22.90	24.0	1.0
45	QPSK	240	0	22.94	23.09	23.04		
45	16QAM	1	1	22.59	22.72	22.60	24.0	1.0
45	64QAM	1	1	21.22	21.29	21.21	22.5	2.5
45	256QAM	1	1	19.83	19.88	19.82	20.5	4.5
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	23.82	23.90	23.84	25.0	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.88	23.97	23.91	25.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.92	24.00	23.83	25.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.88	23.99	23.79	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.88	23.92	23.84	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.91	24.00	23.83	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.86	23.99	23.84	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.90	23.95	23.79	25.0	0.0

n66 Other PA Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	25.5	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	24.74	24.88	24.82	25.5	0.0
45	PI/2 BPSK	1	120	24.64	24.68	24.55		
45	PI/2 BPSK	1	243	24.68	24.82	24.74		
45	PI/2 BPSK	120	0	24.34	24.48	24.42	25.0	0.5
45	PI/2 BPSK	120	60	24.76	24.84	24.79	25.5	0.0
45	PI/2 BPSK	120	120	24.48	24.58	24.52	25.0	0.5
45	PI/2 BPSK	240	0	24.51	24.58	24.43		
45	QPSK	1	1	24.82	24.93	24.86	25.5	0.0
45	QPSK	1	120	24.87	24.91	24.88		
45	QPSK	1	243	24.86	24.90	24.83		
45	QPSK	120	0	23.88	23.92	23.85	24.5	1.0
45	QPSK	120	60	24.69	24.83	24.76	25.5	0.0
45	QPSK	120	120	23.91	23.96	23.99	24.5	1.0
45	QPSK	240	0	23.84	23.98	23.88		
45	16QAM	1	1	23.33	23.37	23.34	24.5	1.0
45	64QAM	1	1	21.85	21.95	21.91	23.0	2.5
45	256QAM	1	1	20.55	20.59	20.48	21.0	4.5
Channel				346000	349000	352000	25.5	0.0
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	23.82	23.90	23.84	25.5	0.0
Channel				345500	349000	352500	25.5	0.0
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.88	23.97	23.91	25.5	0.0
Channel				345000	349000	353000	25.5	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.77	24.84	24.72	25.5	0.0
Channel				344500	349000	353500	25.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	24.73	24.86	24.78	25.5	0.0
Channel				344000	349000	354000	25.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.72	24.84	24.79	25.5	0.0
Channel				343500	349000	354500	25.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.72	24.81	24.79	25.5	0.0
Channel				343000	349000	355000	25.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.74	24.88	24.75	25.5	0.0
Channel				342500	349000	355500	25.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.69	24.86	24.79	25.5	0.0

n66 Other PA Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500	24.5	0.0	
Frequency (MHz)				1792.5	1745	1757.5			
45	PI/2 BPSK	1	1	23.33	23.34	23.32	24.5	0.0	
45	PI/2 BPSK	1	120	23.33	23.32	23.34			
45	PI/2 BPSK	1	243	22.71	22.92	22.71			
45	PI/2 BPSK	120	0	22.89	23.12	22.89		0.5	
45	PI/2 BPSK	120	60	23.29	23.31	23.30	24.5		0.0
45	PI/2 BPSK	120	120	22.79	22.96	22.74	24.0	0.5	
45	PI/2 BPSK	240	0	22.91	23.12	22.88			
45	QPSK	1	1	23.28	23.46	23.27	24.5	0.0	
45	QPSK	1	120	23.23	23.39	23.18			
45	QPSK	1	243	23.19	23.38	23.16			
45	QPSK	120	0	22.45	22.67	22.42		1.0	
45	QPSK	120	60	23.14	23.26	23.11	24.5		0.0
45	QPSK	120	120	22.24	22.41	22.30	23.5	1.0	
45	QPSK	240	0	22.30	22.47	22.29			
45	16QAM	1	1	22.03	22.27	22.11	23.5		1.0
45	64QAM	1	1	20.58	20.81	20.58	22.0		2.5
45	256QAM	1	1	19.22	19.43	19.25	20.0		4.5
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.16	23.19	23.13	24.5		0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	23.22	23.26	23.20	24.5		0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.11	23.28	23.12	24.5		0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.13	23.30	23.03	24.5		0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.09	23.32	23.07	24.5		0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.12	23.34	23.06	24.5		0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.16	23.25	23.07	24.5		0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.09	23.25	23.03	24.5		0.0

DSI 0 Power for FR1 Other PA

n5 Other PA Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839	25.5	0.0
Frequency (MHz)				24.43	24.47	24.37		
20	PI/2 BPSK	1	1	24.43	24.47	24.37		
20	PI/2 BPSK	1	53	24.35	24.41	24.31	25.0	0.5
20	PI/2 BPSK	1	104	24.35	24.45	24.37		
20	PI/2 BPSK	50	0	23.89	24.02	23.94		
20	PI/2 BPSK	50	28	24.35	24.44	24.30	25.0	0.5
20	PI/2 BPSK	50	56	24.00	24.08	23.99		
20	PI/2 BPSK	100	0	24.01	24.04	23.97		
20	QPSK	1	1	24.49	24.56	24.43	25.5	0.0
20	QPSK	1	53	24.42	24.47	24.36		
20	QPSK	1	104	24.33	24.41	24.30		
20	QPSK	50	0	23.97	24.12	24.07	24.5	1.0
20	QPSK	50	28	24.40	24.49	24.40		
20	QPSK	50	56	23.45	23.52	23.44		
20	QPSK	100	0	23.44	23.54	23.41	24.5	1.0
20	16QAM	1	1	23.17	23.21	23.08		
20	64QAM	1	1	21.74	21.78	21.69		
20	256QAM	1	1	20.53	20.57	20.45	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.42	24.48	24.34	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.39	24.41	24.30	25.5	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.32	24.47	24.37	25.5	0.0

n5 Other PA Ant1 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.02	22.27	22.20		
20	PI/2 BPSK	1	53	22.13	22.26	22.09	24.0	0.0
20	PI/2 BPSK	1	104	22.03	22.11	22.19		
20	PI/2 BPSK	50	0	22.04	22.18	22.08		
20	PI/2 BPSK	50	28	22.27	22.27	22.28	24.0	0.0
20	PI/2 BPSK	50	56	22.19	22.11	22.03	24.0	0.0
20	PI/2 BPSK	100	0	22.07	22.23	22.20		
20	QPSK	1	1	22.28	22.35	22.31		
20	QPSK	1	53	22.16	22.15	22.28	24.0	0.0
20	QPSK	1	104	22.08	22.15	22.03		
20	QPSK	50	0	22.01	22.23	22.10	24.0	0.0
20	QPSK	50	28	22.25	22.31	22.27	24.0	0.0
20	QPSK	50	56	22.17	22.20	22.06		
20	QPSK	100	0	22.21	22.28	22.26		
20	16QAM	1	1	22.23	22.19	22.29	24.0	0.0
20	64QAM	1	1	21.11	21.24	21.23	23.0	1.0
20	256QAM	1	1	19.37	19.31	19.24	21.0	3.0
Channel				166300	167300	168300	24.0	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.21	22.16	22.15		
Channel				165800	167300	168800	24.0	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.09	22.16	22.18		
Channel				165300	167300	169300	24.0	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.10	22.22	22.21		

n66 Other PA Ant1 DSI0

BW [MHz]	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	351500	18.5	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	17.65	17.78	17.61		
45	PI/2 BPSK	1	120	17.65	17.81	17.62	18.5	0.0
45	PI/2 BPSK	1	243	17.72	17.77	17.74		
45	PI/2 BPSK	120	0	17.67	17.64	17.71		
45	PI/2 BPSK	120	60	17.64	17.67	17.68	18.5	0.0
45	PI/2 BPSK	120	120	17.63	17.64	17.66	18.5	0.0
45	PI/2 BPSK	240	0	17.55	17.66	17.64		
45	QPSK	1	1	17.81	17.83	17.77		
45	QPSK	1	120	17.69	17.66	17.69	18.5	0.0
45	QPSK	1	243	17.80	17.71	17.80		
45	QPSK	120	0	17.68	17.65	17.74		
45	QPSK	120	60	17.77	17.80	17.70	18.5	0.0
45	QPSK	120	120	17.65	17.61	17.66	18.5	0.0
45	QPSK	240	0	17.69	17.75	17.71		
45	16QAM	1	1	17.70	17.52	17.73		
45	64QAM	1	1	17.55	17.59	17.62	18.5	0.0
45	256QAM	1	1	17.65	17.68	17.66	18.5	0.0
Channel				346000	349000	352000	18.5	0.0
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	17.59	17.71	17.59		
Channel				345500	349000	352500	18.5	0.0
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	17.66	17.78	17.65		
Channel				345000	349000	353000	18.5	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	17.74	17.66	17.76		
Channel				344500	349000	353500	18.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	17.68	17.69	17.58		
Channel				344000	349000	354000	18.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.66	17.74	17.66		
Channel				343500	349000	354500	18.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.63	17.66	17.72		
Channel				343000	349000	355000	18.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.64	17.75	17.67		
Channel				342500	349000	355500	18.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.77	17.70	17.69		

n66 Other PA Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	25.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	23.88	23.99	23.89	25.0	0.0
45	PI/2 BPSK	1	120	23.83	23.91	23.81		
45	PI/2 BPSK	1	243	23.84	23.94	23.84		
45	PI/2 BPSK	120	0	23.08	23.21	23.09	24.5	0.5
45	PI/2 BPSK	120	60	23.87	23.93	23.82	25.0	0.0
45	PI/2 BPSK	120	120	23.36	23.42	23.33	24.5	0.5
45	PI/2 BPSK	240	0	23.16	23.26	23.12		
45	QPSK	1	1	24.01	24.06	23.90	25.0	0.0
45	QPSK	1	120	23.76	23.84	23.78		
45	QPSK	1	243	23.81	23.92	23.86		
45	QPSK	120	0	22.63	22.69	22.62	24.0	1.0
45	QPSK	120	60	23.98	24.01	23.94	25.0	0.0
45	QPSK	120	120	22.92	22.98	22.90	24.0	1.0
45	QPSK	240	0	22.94	23.09	23.04		
45	16QAM	1	1	22.59	22.72	22.60	24.0	1.0
45	64QAM	1	1	21.22	21.29	21.21	22.5	2.5
45	256QAM	1	1	19.83	19.88	19.82	20.5	4.5
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	23.82	23.90	23.84	25.0	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.88	23.97	23.91	25.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.92	24.00	23.83	25.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.88	23.99	23.79	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.88	23.92	23.84	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.91	24.00	23.83	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.86	23.99	23.84	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.90	23.95	23.79	25.0	0.0

n66 Other PA Ant3 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	22.5	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	21.66	21.81	21.80	22.5	0.0
45	PI/2 BPSK	1	120	21.83	21.81	21.80		
45	PI/2 BPSK	1	243	21.75	21.92	21.90		
45	PI/2 BPSK	120	0	21.86	21.65	21.84	22.5	0.0
45	PI/2 BPSK	120	60	21.78	21.84	21.82	22.5	0.0
45	PI/2 BPSK	120	120	21.74	21.70	21.82	22.5	0.0
45	PI/2 BPSK	240	0	21.67	21.72	21.78		
45	QPSK	1	1	21.88	21.94	21.91	22.5	0.0
45	QPSK	1	120	21.86	21.74	21.82		
45	QPSK	1	243	21.92	21.72	21.88		
45	QPSK	120	0	21.87	21.81	21.82	22.5	0.0
45	QPSK	120	60	21.90	21.92	21.85	22.5	0.0
45	QPSK	120	120	21.68	21.80	21.70	22.5	0.0
45	QPSK	240	0	21.87	21.88	21.85		
45	16QAM	1	1	21.89	21.57	21.79	22.5	0.0
45	64QAM	1	1	21.55	21.66	21.78	22.5	0.0
45	256QAM	1	1	20.31	20.35	20.48	21.0	1.5
Channel				346000	349000	352000	22.5	0.0
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	21.64	21.68	21.75	22.5	0.0
Channel				345500	349000	352500	22.5	0.0
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.71	21.75	21.82	22.5	0.0
Channel				345000	349000	353000	22.5	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.85	21.78	21.82	22.5	0.0
Channel				344500	349000	353500	22.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.75	21.93	21.82	22.5	0.0
Channel				344000	349000	354000	22.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.84	21.80	21.79	22.5	0.0
Channel				343500	349000	354500	22.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.82	21.78	21.77	22.5	0.0
Channel				343000	349000	355000	22.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.68	21.88	21.79	22.5	0.0
Channel				342500	349000	355500	22.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.78	21.81	21.71	22.5	0.0

n66 Other PA Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500	24.5	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	PI/2 BPSK	1	1	23.33	23.34	23.32			
45	PI/2 BPSK	1	120	23.33	23.32	23.34	24.0	0.5	
45	PI/2 BPSK	1	243	22.71	22.92	22.71			
45	PI/2 BPSK	120	0	22.89	23.12	22.89			
45	PI/2 BPSK	120	60	23.29	23.31	23.30	24.5	0.0	
45	PI/2 BPSK	120	120	22.79	22.96	22.74			
45	PI/2 BPSK	240	0	22.91	23.12	22.88			
45	QPSK	1	1	23.28	23.46	23.27	24.5	0.0	
45	QPSK	1	120	23.23	23.39	23.18			
45	QPSK	1	243	23.19	23.38	23.16			
45	QPSK	120	0	22.45	22.67	22.42	23.5	1.0	
45	QPSK	120	60	23.14	23.26	23.11			
45	QPSK	120	120	22.24	22.41	22.30			
45	QPSK	240	0	22.30	22.47	22.29	23.5	1.0	
45	16QAM	1	1	22.03	22.27	22.11			
45	64QAM	1	1	20.58	20.81	20.58			
45	256QAM	1	1	19.22	19.43	19.25	20.0		4.5
Channel				346000	349000	352000	24.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.16	23.19	23.13			
Channel				345500	349000	352500	24.5	0.0	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	23.22	23.26	23.20			
Channel				345000	349000	353000	24.5	0.0	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.11	23.28	23.12			
Channel				344500	349000	353500	24.5	0.0	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.13	23.30	23.03			
Channel				344000	349000	354000	24.5	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.09	23.32	23.07			
Channel				343500	349000	354500	24.5	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.12	23.34	23.06			
Channel				343000	349000	355000	24.5	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.16	23.25	23.07			
Channel				342500	349000	355500	24.5	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.09	23.25	23.03			

DSI 0 Power for FR1 EN-DC Other PA

n5 Other PA Ant1 DSI0 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P ₀ / P _{max}	Power Med. P ₀ / P _{max}	Power High P ₀ / P _{max}	Tune-up Int. (dBm)	MPR (dB)	
Channel				16400	16700	16760			
Frequency (MHz)				834	838.5	838			
20	PI2 BPSK	1	1	19.67	19.71	19.64			
20	PI2 BPSK	1	83	19.57	19.70	19.53	21.5	0.0	
20	PI2 BPSK	1	104	19.68	19.55	19.63			
20	PI2 BPSK	50	0	19.67	19.62	19.52	21.5	0.0	
20	PI2 BPSK	50	28	19.71	19.71	19.72	21.5	0.0	
20	PI2 BPSK	50	56	19.63	19.55	19.60			
20	PI2 BPSK	100	0	19.51	19.67	19.64			
20	QPSK	1	1	19.72	19.70	19.75			
20	QPSK	1	53	19.60	19.59	19.72	21.5	0.0	
20	QPSK	1	104	19.52	19.59	19.58			
20	QPSK	50	0	19.62	19.67	19.54	21.5	0.0	
20	QPSK	50	28	19.63	19.75	19.71	21.5	0.0	
20	QPSK	50	56	19.61	19.64	19.65	21.5	0.0	
20	QPSK	100	0	19.65	19.72	19.70			
20	16QAM	1	1	19.67	19.63	19.73	21.5	0.0	
20	64QAM	1	1	19.53	19.67	19.54	21.5	0.0	
20	256QAM	1	1	19.37	19.31	19.24	21.0	0.5	
Channel				16200	16700	16700	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				831.5	838.5	841.5			
15	QPSK	1	1	19.59	19.76	19.68	21.5	0.0	
Channel				16200	16700	16700	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				809	838.5	844			
10	QPSK	1	1	19.52	19.73	19.69	21.5	0.0	
Channel				16300	16700	16700	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				826.5	838.5	846.5			
5	QPSK	1	1	19.70	19.70	19.68	21.5	0.0	

n66 Other PA Ant1 DSI0 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P ₀ / P _{max}	Power Med. P ₀ / P _{max}	Power High P ₀ / P _{max}	Tune-up Int. (dBm)	MPR (dB)	
Channel				34500	34900	35100			
Frequency (MHz)				1732.5	1745	1737.5			
45	PI2 BPSK	1	1	15.62	15.75	15.58			
45	PI2 BPSK	1	100	15.62	15.75	15.59			
45	PI2 BPSK	1	243	15.69	15.74	15.71	16.5	0.0	
45	PI2 BPSK	120	0	15.64	15.61	15.68	16.5	0.0	
45	PI2 BPSK	120	60	15.61	15.64	15.65	16.5	0.0	
45	PI2 BPSK	120	120	15.60	15.61	15.63	16.5	0.0	
45	PI2 BPSK	240	0	15.52	15.63	15.61			
45	QPSK	1	1	15.78	15.63	15.74			
45	QPSK	1	120	15.66	15.63	15.66	16.5	0.0	
45	QPSK	1	243	15.77	15.68	15.77			
45	QPSK	120	0	15.65	15.62	15.71	16.5	0.0	
45	QPSK	120	60	15.74	15.77	15.67	16.5	0.0	
45	QPSK	120	120	15.62	15.58	15.63	16.5	0.0	
45	QPSK	240	0	15.76	15.62	15.80			
45	16QAM	1	1	15.67	15.40	15.70	16.5	0.0	
45	64QAM	1	1	15.52	15.50	15.59	16.5	0.0	
45	256QAM	1	1	15.62	15.65	15.63	16.5	0.0	
Channel				34500	34900	35100	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1750			
40	QPSK	1	1	15.59	15.64	15.58	16.5	0.0	
Channel				34500	34900	35100	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	15.60	15.71	15.70	16.5	0.0	
Channel				34500	34900	35100	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	15.74	15.63	15.68	16.5	0.0	
Channel				34500	34900	35100	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	15.74	15.73	15.68	16.5	0.0	
Channel				34500	34900	35100	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	15.65	15.71	15.73	16.5	0.0	
Channel				34500	34900	35100	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.66	15.67	15.61	16.5	0.0	
Channel				34500	34900	35100	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.69	15.66	15.63	16.5	0.0	
Channel				34500	34900	35100	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.62	15.75	15.62	16.5	0.0	

n66 Other PA Ant3 DS10 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	345000	345000			
Frequency (MHz)				1732.5	1745	1757.5			
45	PI2 BPSK	1	1	19.27	19.42	19.41			
45	PI2 BPSK	1	120	19.44	19.42	19.41	20.0	0.0	
45	PI2 BPSK	1	243	19.38	19.53	19.51			
45	PI2 BPSK	120	0	19.47	19.26	19.45	20.0	0.0	
45	PI2 BPSK	120	60	19.39	19.45	19.43	20.0	0.0	
45	PI2 BPSK	120	120	19.35	19.31	19.43	20.0	0.0	
45	PI2 BPSK	240	0	19.28	19.33	19.39			
45	QPSK	1	1	19.48	19.53	19.52			
45	QPSK	1	120	19.47	19.55	19.45	20.0	0.0	
45	QPSK	1	243	19.53	19.33	19.49			
45	QPSK	120	0	19.48	19.42	19.43	20.0	0.0	
45	QPSK	120	60	19.51	19.53	19.46	20.0	0.0	
45	QPSK	120	120	19.29	19.41	19.31	20.0	0.0	
45	QPSK	240	0	19.48	19.49	19.46			
45	16QAM	1	1	19.50	19.18	19.40	20.0	0.0	
45	16QAM	1	1	19.16	19.27	19.39	20.0	0.0	
45	256QAM	1	1	19.13	19.10	19.20	20.0	0.0	
Channel				345000	345000	345000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	19.25	19.29	19.36	22.5	0.0	
Channel				345000	345000	345000			
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	19.32	19.36	19.43	20.0	0.0	
Channel				345000	345000	345000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.46	19.39	19.43	20.0	0.0	
Channel				345000	345000	345000			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	19.36	19.54	19.43	20.0	0.0	
Channel				345000	345000	345000			
Frequency (MHz)				1730	1745	1770			
20	QPSK	1	1	19.45	19.41	19.40	20.0	0.0	
Channel				345000	345000	345000			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.43	19.39	19.38	20.0	0.0	
Channel				345000	345000	345000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.29	19.49	19.40	20.0	0.0	
Channel				345000	345000	345000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.39	19.42	19.32	20.0	0.0	

DSI 1 Power for FR1 Other PA

n5 Other PA Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839	25.5	0.0
Frequency (MHz)				24.43	24.47	24.37		
20	PI/2 BPSK	1	1	24.43	24.47	24.37		
20	PI/2 BPSK	1	53	24.35	24.41	24.31	25.0	0.5
20	PI/2 BPSK	1	104	24.35	24.45	24.37		
20	PI/2 BPSK	50	0	23.89	24.02	23.94		
20	PI/2 BPSK	50	28	24.35	24.44	24.30	25.0	0.5
20	PI/2 BPSK	50	56	24.00	24.08	23.99		
20	PI/2 BPSK	100	0	24.01	24.04	23.97		
20	QPSK	1	1	24.49	24.56	24.43	25.5	0.0
20	QPSK	1	53	24.42	24.47	24.36		
20	QPSK	1	104	24.33	24.41	24.30		
20	QPSK	50	0	23.97	24.12	24.07	24.5	1.0
20	QPSK	50	28	24.40	24.49	24.40		
20	QPSK	50	56	23.45	23.52	23.44		
20	QPSK	100	0	23.44	23.54	23.41	24.5	1.0
20	16QAM	1	1	23.17	23.21	23.08		
20	64QAM	1	1	21.74	21.78	21.69		
20	256QAM	1	1	20.53	20.57	20.45	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.42	24.48	24.34		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.39	24.41	24.30		
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.32	24.47	24.37		

n5 Other PA Ant1								
BW [MHz]	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	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1		23.76		25.5	0.0
20	PI/2 BPSK	1	53		23.69			
20	PI/2 BPSK	1	104		23.70		25.0	0.5
20	PI/2 BPSK	50	0		23.33			
20	PI/2 BPSK	50	28		23.72		25.0	0.5
20	PI/2 BPSK	50	56		23.29			
20	PI/2 BPSK	100	0		23.30		25.5	0.0
20	QPSK	1	1		23.78			
20	QPSK	1	53		23.68		24.5	1.0
20	QPSK	1	104		23.64			
20	QPSK	50	0		22.79		25.5	0.0
20	QPSK	50	28		23.71			
20	QPSK	50	56		22.70		24.5	1.0
20	QPSK	100	0		22.76			
20	16QAM	1	1		22.63		23.0	2.5
20	64QAM	1	1		21.17			
20	256QAM	1	1		19.83		21.0	4.5
Channel				166300	167300	168300	25.5	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1		23.57	23.63	23.56	0.0
Channel				165800	167300	168800	25.5	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1		23.54	23.69	23.61	0.0
Channel				165300	167300	169300	25.5	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1		23.51	23.65	23.58	0.0

n66 Other PA Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	24.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	23.06	23.23	23.19		
45	PI/2 BPSK	1	120	22.91	23.13	23.11		
45	PI/2 BPSK	1	243	22.97	23.19	23.00	24.0	0.0
45	PI/2 BPSK	120	0	23.04	23.17	23.07		
45	PI/2 BPSK	120	60	23.14	23.18	23.16		
45	PI/2 BPSK	120	120	22.98	23.19	22.97		
45	PI/2 BPSK	240	0	23.02	23.04	23.12	24.0	0.0
45	QPSK	1	1	23.21	23.29	23.28		
45	QPSK	1	120	22.99	23.21	23.08		
45	QPSK	1	243	23.01	23.20	22.95		
45	QPSK	120	0	23.08	23.05	23.08	24.0	0.0
45	QPSK	120	60	23.15	23.17	23.13		
45	QPSK	120	120	23.02	23.02	22.99		
45	QPSK	240	0	23.04	23.13	23.09		
45	16QAM	1	1	23.10	23.17	23.08	24.0	0.0
45	64QAM	1	1	22.16	22.37	22.21		
45	256QAM	1	1	20.16	20.22	20.31		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	23.06	23.19	23.20		
Channel				345500	349000	352500	24.0	0.0
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.16	23.28	23.24		
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.12	23.18	23.27		
Channel				344500	349000	353500	24.0	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.05	23.25	23.12		
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.09	23.29	23.13		
Channel				343500	349000	354500	24.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.13	23.10	23.12		
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.16	23.27	23.25		
Channel				342500	349000	355500	24.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.11	23.15	23.13		
Channel				342000	349000	356000		

n66 Other PA Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	22.5	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	21.17	21.31	21.22	22.5	0.0
45	PI/2 BPSK	1	120	21.31	21.44	21.18		
45	PI/2 BPSK	1	243	21.40	21.39	21.31		
45	PI/2 BPSK	120	0	21.29	21.26	21.24	22.5	0.0
45	PI/2 BPSK	120	60	21.30	21.18	21.34	22.5	0.0
45	PI/2 BPSK	120	120	21.13	21.22	21.20	22.5	0.0
45	PI/2 BPSK	240	0	21.09	21.31	21.21		
45	QPSK	1	1	21.48	21.51	21.41	22.5	0.0
45	QPSK	1	120	21.28	21.21	21.39		
45	QPSK	1	243	21.32	21.29	21.35		
45	QPSK	120	0	21.27	21.23	21.39	22.5	0.0
45	QPSK	120	60	21.44	21.49	21.46	22.5	0.0
45	QPSK	120	120	21.17	21.13	21.29	22.5	0.0
45	QPSK	240	0	21.29	21.35	21.33		
45	16QAM	1	1	21.28	21.08	21.25	22.5	0.0
45	64QAM	1	1	21.06	21.20	21.31	22.5	0.0
45	256QAM	1	1	19.57	19.50	19.50	20.5	2.0
Channel				346000	349000	352000	22.5	0.0
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	21.40	21.39	21.28	22.5	0.0
Channel				345500	349000	352500	22.5	0.0
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.47	21.46	21.35	22.5	0.0
Channel				345000	349000	353000	22.5	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.43	21.33	21.26	22.5	0.0
Channel				344500	349000	353500	22.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.46	21.33	21.39	22.5	0.0
Channel				344000	349000	354000	22.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.36	21.38	21.29	22.5	0.0
Channel				343500	349000	354500	22.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.47	21.49	21.34	22.5	0.0
Channel				343000	349000	355000	22.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.34	21.36	21.28	22.5	0.0
Channel				342500	349000	355500	22.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.31	21.41	21.30	22.5	0.0

n66 Other PA Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	25.5	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	24.74	24.88	24.82		
45	PI/2 BPSK	1	120	24.64	24.68	24.55	25.0	0.5
45	PI/2 BPSK	1	243	24.68	24.82	24.74		
45	PI/2 BPSK	120	0	24.34	24.48	24.42		
45	PI/2 BPSK	120	60	24.76	24.84	24.79	25.5	0.0
45	PI/2 BPSK	120	120	24.48	24.58	24.52		
45	PI/2 BPSK	240	0	24.51	24.58	24.43		
45	QPSK	1	1	24.82	24.93	24.86	25.5	0.0
45	QPSK	1	120	24.87	24.91	24.88		
45	QPSK	1	243	24.86	24.90	24.83		
45	QPSK	120	0	23.88	23.92	23.85	24.5	1.0
45	QPSK	120	60	24.69	24.83	24.76		
45	QPSK	120	120	23.91	23.96	23.99		
45	QPSK	240	0	23.84	23.98	23.88	24.5	1.0
45	16QAM	1	1	23.33	23.37	23.34		
45	64QAM	1	1	21.85	21.95	21.91		
45	256QAM	1	1	20.55	20.59	20.48	21.0	4.5
Channel				346000	349000	352000	25.5	0.0
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	23.82	23.90	23.84		
Channel				345500	349000	352500	25.5	0.0
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.88	23.97	23.91		
Channel				345000	349000	353000	25.5	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.77	24.84	24.72		
Channel				344500	349000	353500	25.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	24.73	24.86	24.78		
Channel				344000	349000	354000	25.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.72	24.84	24.79		
Channel				343500	349000	354500	25.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.72	24.81	24.79		
Channel				343000	349000	355000	25.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.74	24.88	24.75		
Channel				342500	349000	355500	25.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.69	24.86	24.79		

n66 Other PA Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500	24.5	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	PI/2 BPSK	1	1	23.33	23.34	23.32			
45	PI/2 BPSK	1	120	23.33	23.32	23.34	24.0	0.5	
45	PI/2 BPSK	1	243	22.71	22.92	22.71			
45	PI/2 BPSK	120	0	22.89	23.12	22.89			
45	PI/2 BPSK	120	60	23.29	23.31	23.30	24.5	0.0	
45	PI/2 BPSK	120	120	22.79	22.96	22.74			
45	PI/2 BPSK	240	0	22.91	23.12	22.88			
45	QPSK	1	1	23.28	23.46	23.27	24.5	0.0	
45	QPSK	1	120	23.23	23.39	23.18			
45	QPSK	1	243	23.19	23.38	23.16			
45	QPSK	120	0	22.45	22.67	22.42	23.5	1.0	
45	QPSK	120	60	23.14	23.26	23.11			
45	QPSK	120	120	22.24	22.41	22.30			
45	QPSK	240	0	22.30	22.47	22.29	23.5	1.0	
45	16QAM	1	1	22.03	22.27	22.11			
45	64QAM	1	1	20.58	20.81	20.58			
45	256QAM	1	1	19.22	19.43	19.25	20.0		4.5
Channel				346000	349000	352000	24.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.16	23.19	23.13			
Channel				345500	349000	352500	24.5	0.0	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	23.22	23.26	23.20			
Channel				345000	349000	353000	24.5	0.0	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.11	23.28	23.12			
Channel				344500	349000	353500	24.5	0.0	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.13	23.30	23.03			
Channel				344000	349000	354000	24.5	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.09	23.32	23.07			
Channel				343500	349000	354500	24.5	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.12	23.34	23.06			
Channel				343000	349000	355000	24.5	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.16	23.25	23.07			
Channel				342500	349000	355500	24.5	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.09	23.25	23.03			

DSI 3 Power for FR1 Other PA

n5 Other PA Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.43	24.47	24.37	25.5	0.0
20	PI/2 BPSK	1	53	24.35	24.41	24.31		
20	PI/2 BPSK	1	104	24.35	24.45	24.37		
20	PI/2 BPSK	50	0	23.89	24.02	23.94	25.0	0.5
20	PI/2 BPSK	50	28	24.35	24.44	24.30	25.5	0.0
20	PI/2 BPSK	50	56	24.00	24.08	23.99	25.0	0.5
20	PI/2 BPSK	100	0	24.01	24.04	23.97		
20	QPSK	1	1	24.49	24.56	24.43	25.5	0.0
20	QPSK	1	53	24.42	24.47	24.36		
20	QPSK	1	104	24.33	24.41	24.30		
20	QPSK	50	0	23.97	24.12	24.07	24.5	1.0
20	QPSK	50	28	24.40	24.49	24.40	25.5	0.0
20	QPSK	50	56	23.45	23.52	23.44	24.5	1.0
20	QPSK	100	0	23.44	23.54	23.41		
20	16QAM	1	1	23.17	23.21	23.08	24.5	1.0
20	64QAM	1	1	21.74	21.78	21.69	23.0	2.5
20	256QAM	1	1	20.53	20.57	20.45	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.42	24.48	24.34	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.39	24.41	24.30	25.5	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.32	24.47	24.37	25.5	0.0

n5 Other PA Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1		23.76		25.5	0.0
20	PI/2 BPSK	1	53		23.69			
20	PI/2 BPSK	1	104		23.70			
20	PI/2 BPSK	50	0		23.33		25.0	0.5
20	PI/2 BPSK	50	28		23.72		25.5	0.0
20	PI/2 BPSK	50	56		23.29		25.0	0.5
20	PI/2 BPSK	100	0		23.30			
20	QPSK	1	1		23.78		25.5	0.0
20	QPSK	1	53		23.68			
20	QPSK	1	104		23.64			
20	QPSK	50	0		22.79		24.5	1.0
20	QPSK	50	28		23.71		25.5	0.0
20	QPSK	50	56		22.70		24.5	1.0
20	QPSK	100	0		22.76			
20	16QAM	1	1		22.63		24.5	1.0
20	64QAM	1	1		21.17		23.0	2.5
20	256QAM	1	1		19.83		21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	23.57	23.63	23.56	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.5	0.0
10	QPSK	1	1	23.54	23.69	23.61	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.5	0.0
5	QPSK	1	1	23.51	23.65	23.58	25.5	0.0

n66 Other PA Ant1								
BW [MHz]	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	351500	25.5	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	24.51	24.65	24.54	25.5	0.0
45	PI/2 BPSK	1	120	24.50	24.59	24.48		
45	PI/2 BPSK	1	243	24.53	24.62	24.54		
45	PI/2 BPSK	120	0	24.21	24.26	24.18	25.0	0.5
45	PI/2 BPSK	120	60	24.45	24.57	24.42	25.5	0.0
45	PI/2 BPSK	120	120	24.02	24.17	24.09	25.0	0.5
45	PI/2 BPSK	240	0	24.17	24.26	24.18		
45	QPSK	1	1	24.57	24.77	24.69	25.5	0.0
45	QPSK	1	120	24.51	24.65	24.53		
45	QPSK	1	243	24.52	24.62	24.52		
45	QPSK	120	0	23.61	23.72	23.65	24.5	1.0
45	QPSK	120	60	24.43	24.48	24.42	25.5	0.0
45	QPSK	120	120	23.41	23.56	23.49	24.5	1.0
45	QPSK	240	0	23.59	23.64	23.53		
45	16QAM	1	1	23.33	23.38	23.23	24.5	1.0
45	64QAM	1	1	21.90	21.99	21.90	23.0	2.5
45	256QAM	1	1	20.53	20.59	20.54	21.0	4.5
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760	25.5	0.0
40	QPSK	1	1	24.56	24.64	24.61	25.5	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5	25.5	0.0
35	QPSK	1	1	24.62	24.70	24.67	25.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	25.5	0.0
30	QPSK	1	1	24.46	24.64	24.56	25.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	25.5	0.0
25	QPSK	1	1	24.49	24.65	24.55	25.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	25.5	0.0
20	QPSK	1	1	24.49	24.68	24.56	25.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	25.5	0.0
15	QPSK	1	1	24.42	24.70	24.62	25.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	25.5	0.0
10	QPSK	1	1	24.44	24.65	24.59	25.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	25.5	0.0
5	QPSK	1	1	24.51	24.66	24.62	25.5	0.0

n66 Other PA Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	25.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	23.88	23.99	23.89	25.0	0.0
45	PI/2 BPSK	1	120	23.83	23.91	23.81		
45	PI/2 BPSK	1	243	23.84	23.94	23.84		
45	PI/2 BPSK	120	0	23.08	23.21	23.09	24.5	0.5
45	PI/2 BPSK	120	60	23.87	23.93	23.82	25.0	0.0
45	PI/2 BPSK	120	120	23.36	23.42	23.33	24.5	0.5
45	PI/2 BPSK	240	0	23.16	23.26	23.12		
45	QPSK	1	1	24.01	24.06	23.90	25.0	0.0
45	QPSK	1	120	23.76	23.84	23.78		
45	QPSK	1	243	23.81	23.92	23.86		
45	QPSK	120	0	22.63	22.69	22.62	24.0	1.0
45	QPSK	120	60	23.98	24.01	23.94	25.0	0.0
45	QPSK	120	120	22.92	22.98	22.90	24.0	1.0
45	QPSK	240	0	22.94	23.09	23.04		
45	16QAM	1	1	22.59	22.72	22.60	24.0	1.0
45	64QAM	1	1	21.22	21.29	21.21	22.5	2.5
45	256QAM	1	1	19.83	19.88	19.82	20.5	4.5
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	23.82	23.90	23.84	25.0	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.88	23.97	23.91	25.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.92	24.00	23.83	25.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.88	23.99	23.79	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.88	23.92	23.84	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.91	24.00	23.83	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.86	23.99	23.84	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.90	23.95	23.79	25.0	0.0

n66 Other PA Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	25.5	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	24.74	24.88	24.82		
45	PI/2 BPSK	1	120	24.64	24.68	24.55	25.0	0.5
45	PI/2 BPSK	1	243	24.68	24.82	24.74		
45	PI/2 BPSK	120	0	24.34	24.48	24.42		
45	PI/2 BPSK	120	60	24.76	24.84	24.79	25.5	0.0
45	PI/2 BPSK	120	120	24.48	24.58	24.52		
45	PI/2 BPSK	240	0	24.51	24.58	24.43		
45	QPSK	1	1	24.82	24.93	24.86	25.5	0.0
45	QPSK	1	120	24.87	24.91	24.88		
45	QPSK	1	243	24.86	24.90	24.83		
45	QPSK	120	0	23.88	23.92	23.85	24.5	1.0
45	QPSK	120	60	24.69	24.83	24.76		
45	QPSK	120	120	23.91	23.96	23.99		
45	QPSK	240	0	23.84	23.98	23.88	24.5	1.0
45	16QAM	1	1	23.33	23.37	23.34		
45	64QAM	1	1	21.85	21.95	21.91		
45	256QAM	1	1	20.55	20.59	20.48	21.0	4.5
Channel				346000	349000	352000	25.5	0.0
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	23.82	23.90	23.84		
Channel				345500	349000	352500	25.5	0.0
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.88	23.97	23.91		
Channel				345000	349000	353000	25.5	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.77	24.84	24.72		
Channel				344500	349000	353500	25.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	24.73	24.86	24.78		
Channel				344000	349000	354000	25.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.72	24.84	24.79		
Channel				343500	349000	354500	25.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.72	24.81	24.79		
Channel				343000	349000	355000	25.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.74	24.88	24.75		
Channel				342500	349000	355500	25.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.69	24.86	24.79		

n66 Other PA Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500	24.5	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	PI/2 BPSK	1	1	23.33	23.34	23.32			
45	PI/2 BPSK	1	120	23.33	23.32	23.34	24.0	0.5	
45	PI/2 BPSK	1	243	22.71	22.92	22.71			
45	PI/2 BPSK	120	0	22.89	23.12	22.89			
45	PI/2 BPSK	120	60	23.29	23.31	23.30	24.5	0.0	
45	PI/2 BPSK	120	120	22.79	22.96	22.74			
45	PI/2 BPSK	240	0	22.91	23.12	22.88			
45	QPSK	1	1	23.28	23.46	23.27	24.5	0.0	
45	QPSK	1	120	23.23	23.39	23.18			
45	QPSK	1	243	23.19	23.38	23.16			
45	QPSK	120	0	22.45	22.67	22.42	23.5	1.0	
45	QPSK	120	60	23.14	23.26	23.11			
45	QPSK	120	120	22.24	22.41	22.30			
45	QPSK	240	0	22.30	22.47	22.29	23.5	1.0	
45	16QAM	1	1	22.03	22.27	22.11			
45	64QAM	1	1	20.58	20.81	20.58			
45	256QAM	1	1	19.22	19.43	19.25	20.0		4.5
Channel				346000	349000	352000	24.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.16	23.19	23.13			
Channel				345500	349000	352500	24.5	0.0	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	23.22	23.26	23.20			
Channel				345000	349000	353000	24.5	0.0	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.11	23.28	23.12			
Channel				344500	349000	353500	24.5	0.0	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.13	23.30	23.03			
Channel				344000	349000	354000	24.5	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.09	23.32	23.07			
Channel				343500	349000	354500	24.5	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.12	23.34	23.06			
Channel				343000	349000	355000	24.5	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.16	23.25	23.07			
Channel				342500	349000	355500	24.5	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.09	23.25	23.03			

DSI 4 Power for FR1 Other PA

n5 Other PA Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839	25.5	0.0
Frequency (MHz)				24.43	24.47	24.37		
20	PI/2 BPSK	1	1	24.43	24.47	24.37		
20	PI/2 BPSK	1	53	24.35	24.41	24.31	25.0	0.5
20	PI/2 BPSK	1	104	24.35	24.45	24.37		
20	PI/2 BPSK	50	0	23.89	24.02	23.94		
20	PI/2 BPSK	50	28	24.35	24.44	24.30	25.0	0.5
20	PI/2 BPSK	50	56	24.00	24.08	23.99		
20	PI/2 BPSK	100	0	24.01	24.04	23.97		
20	QPSK	1	1	24.49	24.56	24.43	25.5	0.0
20	QPSK	1	53	24.42	24.47	24.36		
20	QPSK	1	104	24.33	24.41	24.30		
20	QPSK	50	0	23.97	24.12	24.07	24.5	1.0
20	QPSK	50	28	24.40	24.49	24.40	25.5	0.0
20	QPSK	50	56	23.45	23.52	23.44	24.5	1.0
20	QPSK	100	0	23.44	23.54	23.41		
20	16QAM	1	1	23.17	23.21	23.08	24.5	1.0
20	64QAM	1	1	21.74	21.78	21.69	23.0	2.5
20	256QAM	1	1	20.53	20.57	20.45	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.42	24.48	24.34		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.39	24.41	24.30		
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.32	24.47	24.37		

n5 Other PA Ant1 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.02	22.27	22.20		
20	PI/2 BPSK	1	53	22.13	22.26	22.09	24.0	0.0
20	PI/2 BPSK	1	104	22.03	22.11	22.19		
20	PI/2 BPSK	50	0	22.04	22.18	22.08		
20	PI/2 BPSK	50	28	22.27	22.27	22.28	24.0	0.0
20	PI/2 BPSK	50	56	22.19	22.11	22.03	24.0	0.0
20	PI/2 BPSK	100	0	22.07	22.23	22.20		
20	QPSK	1	1	22.28	22.35	22.31		
20	QPSK	1	53	22.16	22.15	22.28	24.0	0.0
20	QPSK	1	104	22.08	22.15	22.03		
20	QPSK	50	0	22.01	22.23	22.10	24.0	0.0
20	QPSK	50	28	22.25	22.31	22.27	24.0	0.0
20	QPSK	50	56	22.17	22.20	22.06		
20	QPSK	100	0	22.21	22.28	22.26		
20	16QAM	1	1	22.23	22.19	22.29	24.0	0.0
20	64QAM	1	1	21.11	21.24	21.23	23.0	1.0
20	256QAM	1	1	19.37	19.31	19.24	21.0	3.0
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	22.21	22.16	22.15	24.0	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	22.09	22.16	22.18	24.0	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	22.10	22.22	22.21	24.0	0.0

n66 Other PA Ant1 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	351500	18.5	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	17.65	17.78	17.61		
45	PI/2 BPSK	1	120	17.65	17.81	17.62	18.5	0.0
45	PI/2 BPSK	1	243	17.72	17.77	17.74		
45	PI/2 BPSK	120	0	17.67	17.64	17.71		
45	PI/2 BPSK	120	60	17.64	17.67	17.68	18.5	0.0
45	PI/2 BPSK	120	120	17.63	17.64	17.66	18.5	0.0
45	PI/2 BPSK	240	0	17.55	17.66	17.64		
45	QPSK	1	1	17.81	17.83	17.77		
45	QPSK	1	120	17.69	17.66	17.69	18.5	0.0
45	QPSK	1	243	17.80	17.71	17.80		
45	QPSK	120	0	17.68	17.65	17.74		
45	QPSK	120	60	17.77	17.80	17.70	18.5	0.0
45	QPSK	120	120	17.65	17.61	17.66	18.5	0.0
45	QPSK	240	0	17.69	17.75	17.71		
45	16QAM	1	1	17.70	17.52	17.73		
45	64QAM	1	1	17.55	17.59	17.62	18.5	0.0
45	256QAM	1	1	17.65	17.68	17.66	18.5	0.0
Channel				346000	349000	352000	Tune-up limit	MPR
Frequency (MHz)				1730	1745	1760	(dBm)	(dB)
40	QPSK	1	1	17.59	17.71	17.59	18.5	0.0
Channel				345500	349000	352500	Tune-up limit	MPR
Frequency (MHz)				1727.5	1745	1762.5	(dBm)	(dB)
35	QPSK	1	1	17.66	17.78	17.65	18.5	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	17.74	17.66	17.76	18.5	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	17.68	17.69	17.58	18.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	17.66	17.74	17.66	18.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	17.63	17.66	17.72	18.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	17.64	17.75	17.67	18.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	17.77	17.70	17.69	18.5	0.0

n66 Other PA Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	22.5	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	21.17	21.31	21.22	22.5	0.0
45	PI/2 BPSK	1	120	21.31	21.44	21.18		
45	PI/2 BPSK	1	243	21.40	21.39	21.31		
45	PI/2 BPSK	120	0	21.29	21.26	21.24	22.5	0.0
45	PI/2 BPSK	120	60	21.30	21.18	21.34	22.5	0.0
45	PI/2 BPSK	120	120	21.13	21.22	21.20	22.5	0.0
45	PI/2 BPSK	240	0	21.09	21.31	21.21		
45	QPSK	1	1	21.48	21.51	21.41	22.5	0.0
45	QPSK	1	120	21.28	21.21	21.39		
45	QPSK	1	243	21.32	21.29	21.35		
45	QPSK	120	0	21.27	21.23	21.39	22.5	0.0
45	QPSK	120	60	21.44	21.49	21.46	22.5	0.0
45	QPSK	120	120	21.17	21.13	21.29	22.5	0.0
45	QPSK	240	0	21.29	21.35	21.33		
45	16QAM	1	1	21.28	21.08	21.25	22.5	0.0
45	64QAM	1	1	21.06	21.20	21.31	22.5	0.0
45	256QAM	1	1	19.57	19.50	19.50	20.5	2.0
Channel				346000	349000	352000	22.5	0.0
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	21.40	21.39	21.28	22.5	0.0
Channel				345500	349000	352500	22.5	0.0
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.47	21.46	21.35	22.5	0.0
Channel				345000	349000	353000	22.5	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.43	21.33	21.26	22.5	0.0
Channel				344500	349000	353500	22.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.46	21.33	21.39	22.5	0.0
Channel				344000	349000	354000	22.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.36	21.38	21.29	22.5	0.0
Channel				343500	349000	354500	22.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.47	21.49	21.34	22.5	0.0
Channel				343000	349000	355000	22.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.34	21.36	21.28	22.5	0.0
Channel				342500	349000	355500	22.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.31	21.41	21.30	22.5	0.0

n66 Other PA Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	349000	351500	22.5	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	21.66	21.81	21.80	22.5	0.0
45	PI/2 BPSK	1	120	21.83	21.81	21.80		
45	PI/2 BPSK	1	243	21.75	21.92	21.90		
45	PI/2 BPSK	120	0	21.86	21.65	21.84	22.5	0.0
45	PI/2 BPSK	120	60	21.78	21.84	21.82	22.5	0.0
45	PI/2 BPSK	120	120	21.74	21.70	21.82	22.5	0.0
45	PI/2 BPSK	240	0	21.67	21.72	21.78		
45	QPSK	1	1	21.88	21.94	21.91	22.5	0.0
45	QPSK	1	120	21.86	21.74	21.82		
45	QPSK	1	243	21.92	21.72	21.88		
45	QPSK	120	0	21.87	21.81	21.82	22.5	0.0
45	QPSK	120	60	21.90	21.92	21.85	22.5	0.0
45	QPSK	120	120	21.68	21.80	21.70	22.5	0.0
45	QPSK	240	0	21.87	21.88	21.85		
45	16QAM	1	1	21.89	21.57	21.79	22.5	0.0
45	64QAM	1	1	21.55	21.66	21.78	22.5	0.0
45	256QAM	1	1	20.31	20.35	20.48	21.0	1.5
Channel				346000	349000	352000	22.5	0.0
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	21.64	21.68	21.75	22.5	0.0
Channel				345500	349000	352500	22.5	0.0
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.71	21.75	21.82	22.5	0.0
Channel				345000	349000	353000	22.5	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.85	21.78	21.82	22.5	0.0
Channel				344500	349000	353500	22.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.75	21.93	21.82	22.5	0.0
Channel				344000	349000	354000	22.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.84	21.80	21.79	22.5	0.0
Channel				343500	349000	354500	22.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.82	21.78	21.77	22.5	0.0
Channel				343000	349000	355000	22.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.68	21.88	21.79	22.5	0.0
Channel				342500	349000	355500	22.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.78	21.81	21.71	22.5	0.0

n66 Other PA Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500	24.5	0.0	
Frequency (MHz)				1792.5	1745	1757.5			
45	PI/2 BPSK	1	1	23.33	23.34	23.32			
45	PI/2 BPSK	1	120	23.33	23.32	23.34	24.0	0.5	
45	PI/2 BPSK	1	243	22.71	22.92	22.71			
45	PI/2 BPSK	120	0	22.89	23.12	22.89			
45	PI/2 BPSK	120	60	23.29	23.31	23.30	24.5	0.0	
45	PI/2 BPSK	120	120	22.79	22.96	22.74			
45	PI/2 BPSK	240	0	22.91	23.12	22.88			
45	QPSK	1	1	23.28	23.46	23.27	24.5	0.0	
45	QPSK	1	120	23.23	23.39	23.18			
45	QPSK	1	243	23.19	23.38	23.16			
45	QPSK	120	0	22.45	22.67	22.42	23.5	1.0	
45	QPSK	120	60	23.14	23.26	23.11			
45	QPSK	120	120	22.24	22.41	22.30			
45	QPSK	240	0	22.30	22.47	22.29	23.5	1.0	
45	16QAM	1	1	22.03	22.27	22.11			
45	64QAM	1	1	20.58	20.81	20.58			
45	256QAM	1	1	19.22	19.43	19.25	20.0		4.5
Channel				346000	349000	352000	24.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.16	23.19	23.13			
Channel				345500	349000	352500	24.5	0.0	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	23.22	23.26	23.20			
Channel				345000	349000	353000	24.5	0.0	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.11	23.28	23.12			
Channel				344500	349000	353500	24.5	0.0	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.13	23.30	23.03			
Channel				344000	349000	354000	24.5	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.09	23.32	23.07			
Channel				343500	349000	354500	24.5	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.12	23.34	23.06			
Channel				343000	349000	355000	24.5	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.16	23.25	23.07			
Channel				342500	349000	355500	24.5	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.09	23.25	23.03			



Conducted Power for WLAN/BT

2.4GHz WLAN Art 17				Full Power		Standalone for Head		Simultaneous DBS only for Head Simultaneous DBS for Hotspot		Simultaneous non DBS&DBS for Head		Simultaneous DBS for Body- Worn		Duty Cycle %
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11b 1Mbps	1	2412	17.90	19.00	15.92	17.00	14.51	15.50	9.51	10.50	15.36	16.50	98.36
		6	2437	17.30	19.00	15.46	17.00	14.05	15.50	9.03	10.50	14.77	16.50	
		11	2462	17.60	19.00	15.71	17.00	14.26	15.50	9.19	10.50	15.16	16.50	
	802.11g 6Mbps	1	2412	17.70	19.00	Not Required	17.00	Not Required	15.50	Not Required	10.50	Not Required	16.50	96.53
		6	2437	17.90	19.00		17.00		15.50		10.50		16.50	
		11	2462	17.90	19.00		17.00		15.50		10.50		16.50	
	802.11n-HT20 MCS0	1	2412	17.15	18.00		17.00		15.50		10.50		16.50	96.30
		6	2437	17.01	18.00		17.00		15.50		10.50		16.50	
		11	2462	16.67	18.00		17.00		15.50		10.50		16.50	
	802.11n-HT40 MCS0	3	2422	16.40	17.50		17.00		15.50		10.50		16.50	91.43
		6	2437	16.40	18.00		17.00		15.50		10.50		16.50	
		9	2452	15.30	16.50		16.50		15.50		10.50		16.50	
	802.11ax-HE20 MCS0	1	2412	17.28	18.50		17.00		15.50		10.50		16.50	94.39
		6	2437	17.08	18.00		17.00		15.50		10.50		16.50	
		11	2462	16.98	18.00		17.00		15.50		10.50		16.50	
	802.11ax-HE40 MCS0	3	2422	16.50	17.50		17.00		15.50		10.50		16.50	91.53
		6	2437	16.50	17.50		17.00		15.50		10.50		16.50	
		9	2452	15.40	16.50		16.50		15.50		10.50		16.50	
	802.11be EHT20 MCS0	1	2412	17.40	18.50		17.00		15.50		10.50		16.50	95.37
		6	2437	17.20	18.50		17.00		15.50		10.50		16.50	
		11	2462	17.10	18.50		17.00		15.50		10.50		16.50	
	802.11be EHT40 MCS0	3	2422	16.60	17.50		17.00		15.50		10.50		16.50	90.00
		6	2437	16.60	17.50		17.00		15.50		10.50		16.50	
		9	2452	15.50	16.50		16.50		15.50		10.50		16.50	

Ant 6			Full Power		Standalone for Head		Simultaneous DBS only for Head Simultaneous DBS for Hotspot		Simultaneous non DBS&DBS for Head		Simultaneous DBS for Body- Worn		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	17.70	19.00	15.83	17.00	14.31	15.50	9.28	10.50	15.13	16.50	98.47
	6	2437	18.00	19.00	16.05	17.00	14.49	15.50	9.54	10.50	15.42	16.50	
	11	2462	17.80	19.00	15.92	17.00	14.41	15.50	9.37	10.50	15.24	16.50	
802.11g 6Mbps	1	2412	17.50	19.00	Not Required	17.00	Not Required	15.50	Not Required	10.50	Not Required	16.50	95.86
	6	2437	18.50	19.00		17.00		15.50		10.50		16.50	
	11	2462	17.90	19.00		17.00		15.50		10.50		16.50	
802.11n-HT20 MCS0	1	2412	17.05	18.00		17.00		15.50		10.50		16.50	96.30
	6	2437	17.42	18.50		17.00		15.50		10.50		16.50	
	11	2462	17.00	18.00		17.00		15.50		10.50		16.50	
802.11n-HT40 MCS0	3	2422	16.40	17.50		17.00		15.50		10.50		16.50	92.86
	6	2437	17.00	18.00		17.00		15.50		10.50		16.50	
	9	2452	15.70	16.50		16.50		15.50		10.50		16.50	
802.11ax-HE20 MCS0	1	2412	17.18	18.50		17.00		15.50		10.50		16.50	95.33
	6	2437	17.58	18.50		17.00		15.50		10.50		16.50	
	11	2462	17.08	18.00		17.00		15.50		10.50		16.50	
802.11ax-HE40 MCS0	3	2422	16.50	17.50		17.00		15.50		10.50		16.50	91.38
	6	2437	17.10	17.50		17.00		15.50		10.50		16.50	
	9	2452	15.80	16.50		16.50		15.50		10.50		16.50	
802.11be EHT20 MCS0	1	2412	17.30	18.50		17.00		15.50		10.50		16.50	95.37
	6	2437	17.70	18.50		17.00		15.50		10.50		16.50	
	11	2462	17.20	18.50		17.00		15.50		10.50		16.50	
802.11be EHT40 MCS0	3	2422	16.60	17.50		17.00		15.50		10.50		16.50	91.67
	6	2437	17.20	18.00		17.00		15.50		10.50		16.50	
	9	2452	15.90	16.50		16.50		15.50		10.50		16.50	

Ant 17+6		Full Power			Standalone for Head		Simultaneous DBS only for Head Simultaneous DBS for Hotspot		Simultaneous non DBS&DBS for Head		Simultaneous DBS for Body- Worn		
Mode	Channel	Average power (dBm)	Tune-Up Limit	Power Setting	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 %
802.11b 1Mbps	1	20.81	22.00	18.50	18.88	20.00	17.41	18.50	12.40	13.50	18.25	19.50	98.47
	6	20.67	22.00	18.50	18.77	20.00	17.28	18.50	12.29	13.50	18.03	19.50	
	11	20.71	22.00	18.50	18.82	20.00	17.34	18.50	12.28	13.50	18.12	19.50	
802.11g 6Mbps	1	20.61	22.00	18.50	Not Required	20.00	Not Required	18.50	Not Required	13.50	Not Required	19.50	96.53
	6	21.22	22.00	19.00		20.00		18.50		13.50		19.50	
	11	20.91	22.00	19.00		20.00		18.50		13.50		19.50	
802.11n-HT20 MCS0	1	20.11	21.00	18.00		20.00		18.50		13.50		19.50	96.30
	6	20.23	21.50	18.00		20.00		18.50		13.50		19.50	
	11	19.95	21.00	18.00		20.00		18.50		13.50		19.50	
802.11n-HT40 MCS0	3	19.41	20.50	17.00		20.00		18.50		13.50		19.50	92.86
	6	19.72	21.00	17.00		20.00		18.50		13.50		19.50	
	9	18.51	19.50	15.50		19.50		18.50		13.50		19.50	
802.11ax-HE20 MCS0	1	20.24	21.50	18.00		20.00		18.50		13.50		19.50	95.33
	6	20.35	21.50	18.00		20.00		18.50		13.50		19.50	
	11	20.04	21.00	18.00		20.00		18.50		13.50		19.50	
802.11ax-HE40 MCS0	3	19.51	20.50	17.00		20.00		18.50		13.50		19.50	91.53
	6	19.82	20.50	17.00		20.00		18.50		13.50		19.50	
	9	18.61	19.50	15.50		19.50		18.50		13.50		19.50	
802.11be EHT20 MCS0	1	20.36	21.50	18.00		20.00		18.50		13.50		19.50	95.37
	6	20.47	21.50	18.00		20.00		18.50		13.50		19.50	
	11	20.16	21.50	18.00		20.00		18.50		13.50		19.50	
802.11be EHT40 MCS0	3	19.61	20.50	17.00		20.00		18.50		13.50		19.50	91.67
	6	19.92	21.00	17.00		20.00		18.50		13.50		19.50	
	9	18.71	19.50	15.50		19.50		18.50		13.50		19.50	

5.2GHz WLAN Ant 5						Full Power		Simultaneous non DBS for Hotspot		Simultaneous DBS for Hotspot		Standalone for Head		Simultaneous DBS only for Head		Simultaneous non DBS&DBS for Head		Simultaneous DBS for 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	Average power (dbm)	Tune-Up Limit	Average power (dbm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.32	18.50		16.00		13.00		15.50		14.00		8.50		16.00	96.55		
		44	5220	17.32	18.50		16.00		13.00		15.50		14.00		8.50		16.00			
		48	5240	17.28	18.50		16.00		13.00		15.50		14.00		8.50		16.00			
	802.11n-HT20 MCS0	36	5180	16.69	18.00	Not Required	16.00	Not Required	13.00	Not Required	15.50	Not Required	14.00	Not Required	8.50	Not Required	16.00	95.56		
		44	5220	16.69	18.00		16.00		13.00		15.50		14.00		8.50		16.00			
		48	5240	16.72	18.00		16.00		13.00		15.50		14.00		8.50		16.00			
	802.11n-HT40 MCS0	38	5190	14.94	16.00	14.94	16.00	11.96	13.00	14.33	15.50	13.54	14.00	7.61	8.50	14.94	16.00	91.43		
		46	5230	16.94	18.00	14.91	16.00	11.87	13.00	14.26	15.50	13.46	14.00	7.56	8.50	14.91	16.00			
	802.11ac-VHT20 MCS0	36	5180	16.57	18.00	Not Required	16.00	Not Required	13.00	Not Required	15.50	Not Required	14.00	Not Required	8.50	Not Required	16.00	96.30		
		44	5220	16.77	18.00		16.00		13.00		15.50		14.00		8.50		16.00			
		48	5240	16.60	18.00		16.00		13.00		15.50		14.00		8.50		16.00			
	802.11ac-VHT40 MCS0	38	5190	14.78	16.00	Not Required	16.00	Not Required	13.00	Not Required	15.50	Not Required	14.00	Not Required	8.50	Not Required	16.00	92.86		
		46	5230	16.78	18.00		16.00		13.00		15.50		14.00		8.50		16.00			
	802.11ac-VHT80 MCS0	42	5210	12.16	13.50		13.50	Not Required	12.50	Not Required	13.50	Not Required	13.50	Not Required	8.00	Not Required	13.50	84.21		
		36	5180	16.85	18.00	16.00	13.00		15.50		14.00		8.50		16.00					
	802.11ax-HE20 MCS0	44	5220	17.50	18.50	16.00	13.00		15.50		14.00		8.50		16.00		94.34			
		48	5240	17.33	18.50	16.00	13.00		15.50		14.00		8.50		16.00					
	802.11ax-HE40 MCS0	38	5190	15.05	16.00	Not Required	16.00	Not Required	13.00	Not Required	15.50	Not Required	14.00	Not Required	8.50	Not Required	16.00	91.38		
		46	5230	17.05	18.00		16.00		13.00		15.50		14.00		8.50		16.00			
	802.11ax-HE80 MCS0	42	5210	12.36	13.50		13.50	Not Required	12.50	Not Required	13.50	Not Required	13.50	Not Required	8.00	Not Required	13.50	82.35		
		36	5180	17.03	18.00	16.00	13.00		15.50		14.00		8.50		16.00					
	802.11be EHT20 MCS0	44	5220	17.53	18.50	16.00	13.00		15.50		14.00		8.50		16.00		95.33			
		48	5240	17.37	18.50	16.00	13.00		15.50		14.00		8.50		16.00					
		802.11be EHT40 MCS0	38	5190	15.16	16.00	Not Required	16.00	Not Required	13.00	Not Required	15.50	Not Required	14.00	Not Required	8.50	Not Required	16.00	91.67	
	46		5230	17.16	18.00	16.00		13.00		15.50		14.00		8.50		16.00				
	42		5210	12.52	13.50	13.50		12.50		13.50		13.50		8.00		13.50		85.71		

Art 18			Full Power		Simultaneous non DBS for Hotspot		Simultaneous DBS for Hotspot		Standalone for Head		Simultaneous DBS only for Head		Simultaneous non DBS&DBS for Head		Simultaneous DBS for Body-Worn		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	17.65	19.00	Not Required	16.50	Not Required	13.50	Not Required	16.00	Not Required	14.50	Not Required	9.00	Not Required	16.50	95.86
	44	5220	17.64	19.00		16.50		13.50		16.00		14.50		9.00		16.50	
	48	5240	17.58	19.00		16.50		13.50		16.00		14.50		9.00		16.50	
802.11n-HT20 MCS0	36	5180	17.06	18.00	Not Required	16.50	Not Required	13.50	Not Required	16.00	Not Required	14.50	Not Required	9.00	Not Required	16.50	95.56
	44	5220	17.18	18.00		16.50		13.50		16.00		14.50		9.00		16.50	
	48	5240	17.11	18.00		16.50		13.50		16.00		14.50		9.00		16.50	
802.11n-HT40 MCS0	38	5190	15.36	16.50	15.36	16.50	12.45	13.50	14.79	16.00	13.29	14.50	7.88	9.00	15.36	16.50	91.43
	46	5230	17.24	18.50	15.24	16.50	12.31	13.50	14.73	16.00	13.25	14.50	7.85	9.00	15.31	16.50	
802.11ac-VHT20 MCS0	36	5180	16.94	18.00	Not Required	16.50	Not Required	13.50	Not Required	16.00	Not Required	14.50	Not Required	9.00	Not Required	16.50	96.30
	44	5220	17.06	18.00		16.50		13.50		16.00		14.50		9.00		16.50	
	48	5240	16.99	18.00		16.50		13.50		16.00		14.50		9.00		16.50	
802.11ac-VHT40 MCS0	38	5190	15.20	16.50		16.50		13.50		16.00		14.50		9.00		16.50	92.86
	46	5230	17.08	18.50		16.50		13.50		16.00		14.50		9.00		16.50	
802.11ac-VHT80 MCS0	42	5210	12.11	13.50		13.50		13.00		13.50		13.50		8.50		13.50	84.21
	36	5180	17.18	18.00		16.50		13.50		16.00		14.50		9.00		16.50	
802.11ax-HE20 MCS0	44	5220	17.75	18.50		16.50		13.50		16.00		14.50		9.00		16.50	95.28
	48	5240	17.68	18.50		16.50		13.50		16.00		14.50		9.00		16.50	
	38	5190	15.47	16.50		16.50		13.50		16.00		14.50		9.00		16.50	
802.11ax-HE40 MCS0	46	5230	17.35	18.50		16.50		13.50		16.00		14.50		9.00		16.50	91.38
	42	5210	12.63	13.50		13.50		13.00		13.50		13.50		8.50		13.50	
802.11ax-HE80 MCS0	36	5180	17.44	18.50		16.50		13.50		16.00		14.50		9.00		16.50	94.44
	44	5220	17.89	18.50		16.50		13.50		16.00		14.50		9.00		16.50	
	48	5240	17.77	18.50		16.50		13.50		16.00		14.50		9.00		16.50	
802.11be EHT40 MCS0	38	5190	15.58	16.50		16.50		13.50		16.00		14.50		9.00		16.50	91.67
	46	5230	17.46	18.50		16.50		13.50		16.00		14.50		9.00		16.50	
802.11be EHT80 MCS0	42	5210	12.94	13.50		13.50		13.00		13.50		13.50		8.50		13.50	82.86

Art 5+18		Full Power		Simultaneous non DBS for Hotspot		Simultaneous DBS for Hotspot		Standalone for Head		Simultaneous DBS only for Head		Simultaneous non DBSADBS for Head		Simultaneous DBS for Body-Worn		Duty Cycle %
Mode	Channel	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	20.50	22.00	Not Required	19.50	Not Required	16.50	Not Required	19.00	Not Required	17.50	Not Required	12.00	Not Required	19.50	96.55
	44	20.50	22.00		19.50		16.50		19.00		17.50		12.00		19.50	
	48	20.45	22.00		19.50		16.50		19.00		17.50		12.00		19.50	
802.11n-HT20 MCS0	36	19.89	21.00	Not Required	19.50	Not Required	16.50	Not Required	19.00	Not Required	17.50	Not Required	12.00	Not Required	19.50	95.56
	44	20.04	21.00		19.50		16.50		19.00		17.50		12.00		19.50	
	48	19.93	21.00		19.50		16.50		19.00		17.50		12.00		19.50	
802.11n-HT40 MCS0	36	18.16	19.50	18.16	19.50	15.09	16.50	17.58	19.00	16.15	17.50	10.71	12.00	16.16	19.50	91.43
	46	20.10	21.50	18.02	19.50	14.98	16.50	17.54	19.00	16.03	17.50	10.69	12.00	18.09	19.50	
802.11ac-VHT20 MCS0	36	19.77	21.00	Not Required	19.50	Not Required	16.50	Not Required	19.00	Not Required	17.50	Not Required	12.00	Not Required	19.50	96.30
	44	19.93	21.00		19.50		16.50		19.00		17.50		12.00		19.50	
	48	19.81	21.00		19.50		16.50		19.00		17.50		12.00		19.50	
802.11ac-VHT40 MCS0	38	18.01	19.50	Not Required	19.50	Not Required	16.50	Not Required	19.00	Not Required	17.50	Not Required	12.00	Not Required	19.50	92.86
	46	19.94	21.50		19.50		16.50		19.00		17.50		12.00		19.50	
802.11ac-VHT80 MCS0	42	15.14	16.50		16.50		16.00		16.50		16.50		11.50		16.50	84.21
	36	20.03	21.00	Not Required	19.50	Not Required	16.50	Not Required	19.00	Not Required	17.50	Not Required	12.00	Not Required	19.50	
802.11ax-HE20 MCS0	44	20.64	21.50		19.50		16.50		19.00		17.50		12.00		19.50	95.28
	48	20.52	21.50		19.50		16.50		19.00		17.50		12.00		19.50	
802.11ax-HE40 MCS0	38	18.28	19.50	Not Required	19.50	Not Required	16.50	Not Required	19.00	Not Required	17.50	Not Required	12.00	Not Required	19.50	91.38
	46	20.21	21.50		19.50		16.50		19.00		17.50		12.00		19.50	
802.11ax-HE80 MCS0	42	15.51	16.50		16.50		16.00		16.50		16.50		11.50		16.50	82.35
	36	20.25	21.50	Not Required	19.50	Not Required	16.50	Not Required	19.00	Not Required	17.50	Not Required	12.00	Not Required	19.50	
802.11be EHT20 MCS0	44	20.72	21.50		19.50		16.50		19.00		17.50		12.00		19.50	95.33
	48	20.58	21.50		19.50		16.50		19.00		17.50		12.00		19.50	
802.11be EHT40 MCS0	38	18.38	19.50	Not Required	19.50	Not Required	16.50	Not Required	19.00	Not Required	17.50	Not Required	12.00	Not Required	19.50	91.67
	46	20.32	21.50		19.50		16.50		19.00		17.50		12.00		19.50	
802.11be EHT80 MCS0	42	15.74	16.50		16.50		16.00		16.50		16.50		11.50		16.50	85.71

5.3GHz WLAN Ant 5				Full Power		Standalone for Head		Simultaneous DBS only for Head		Simultaneous non DBS&DBS for Head		Standalone for Extremity		Simultaneous DBS for 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 %
5.3GHz WLAN	802.11a 6Mbps	52	5260	16.68	17.50	Not Required	16.00	14.50	Not Required	9.00	17.50	Not Required	16.50	96.55		
		60	5300	17.15	18.50		16.00	14.50		9.00	17.50		16.50			
		64	5320	16.67	17.50		16.00	14.50		9.00	17.50		16.50			
	802.11n-HT20 MCS0	52	5260	17.00	18.00	Not Required	16.00	14.50	Not Required	9.00	17.50	Not Required	16.50	95.56		
		60	5300	17.04	18.00		16.00	14.50		9.00	17.50		16.50			
		64	5320	15.74	17.00		16.00	14.50		9.00	17.00		16.50			
	802.11n-HT40 MCS0	54	5270	17.27	18.50	14.85	16.00	13.45	14.50	7.96	9.00	16.33	17.50	15.16	16.50	91.43
		62	5310	14.49	15.50	14.49	15.50	13.01	14.00	7.52	8.50	14.49	15.50	14.49	15.50	
	802.11ac-VHT20 MCS0	52	5260	16.88	18.00	Not Required	16.00	14.50	Not Required	9.00	17.50	Not Required	16.50	96.30		
		60	5300	16.92	18.50		16.00	14.50		9.00	17.50		16.50			
		64	5320	15.62	16.50		16.00	14.50		9.00	16.50		16.50			
	802.11ac-VHT40 MCS0	54	5270	17.11	18.50	Not Required	16.00	14.50	Not Required	9.00	17.50	Not Required	16.50	92.86		
		62	5310	14.33	15.50		15.50	14.50		9.00	15.50		15.50			
	802.11ac-VHT80 MCS0	58	5290	14.90	16.00		15.50	14.00		8.50	16.00		16.00	84.21	75.00	
	802.11ac-VHT160 MCS0	50	5250	11.34	12.50	12.50	12.50	9.00	12.50	12.50	12.50	75.00				
	802.11ax-HE20 MCS0	52	5260	17.16	18.00	Not Required	16.00	14.50	Not Required	9.00	17.50	Not Required	16.50	94.34		
		60	5300	17.20	18.00		16.00	14.50		9.00	17.50		16.50			
		64	5320	15.90	17.00		16.00	14.50		9.00	17.00		16.50			
	802.11ax-HE40 MCS0	54	5270	17.38	18.50	Not Required	16.00	14.50	Not Required	9.00	17.50	Not Required	16.50	91.38		
		62	5310	14.60	15.50		15.50	14.50		9.00	15.50		15.50			
	802.11ax-HE80 MCS0	58	5290	15.10	16.00		15.50	14.00		8.50	16.00		16.00	82.35	77.27	
	802.11ax-HE160 MCS0	50	5250	11.44	12.50	12.50	12.50	9.00	12.50	12.50	12.50	77.27				
	802.11be EHT20 MCS0	52	5260	17.67	18.50	Not Required	16.00	14.50	Not Required	9.00	17.50	Not Required	16.50	95.33		
		60	5300	17.71	18.50		16.00	14.50		9.00	17.50		16.50			
64		5320	15.98	17.00	16.00		14.50	9.00		17.00	16.50					
802.11be EHT40 MCS0	54	5270	17.49	18.50	Not Required	16.00	14.50	Not Required	9.00	17.50	Not Required	16.50	91.67			
	62	5310	14.71	15.50		15.50	14.50		9.00	15.50		15.50				
802.11be EHT80 MCS0	58	5290	15.26	16.00		15.50	14.00		8.50	16.00		16.00	85.71			
802.11be EHT160 MCS0	50	5250	11.63	12.50		12.50	12.50		9.00	12.50		12.50		78.26		

Ant 18			Full Power		Standalone for Head		Simultaneous DBS only for Head		Simultaneous non DBS&DBS for Head		Standalone for Extremity		Simultaneous DBS for Body-Worn		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	17.03	18.00	Not Required	16.50	Not Required	15.00	Not Required	9.50	Not Required	18.00	Not Required	17.00	95.86
	60	5300	17.36	18.50		16.50		15.00		9.50		18.00		17.00	
	64	5320	16.76	19.00		16.50		15.00		9.50		18.00		17.00	
802.11n-HT20 MCS0	52	5260	17.71	18.50	Not Required	16.50	Not Required	15.00	Not Required	9.50	Not Required	18.00	Not Required	17.00	95.56
	60	5300	17.37	18.50		16.50		15.00		9.50		18.00		17.00	
	64	5320	15.91	17.00		16.50		15.00		9.50		17.00		17.00	
802.11n-HT40 MCS0	54	5270	17.70	19.00	15.31	16.50	13.88	15.00	8.42	9.50	16.81	18.00	15.64	17.00	91.43
	62	5310	14.72	16.00	14.72	16.00	13.26	14.50	7.92	9.00	14.72	16.00	14.72	16.00	
802.11ac-VHT20 MCS0	52	5260	17.59	18.50	Not Required	16.50	Not Required	15.00	Not Required	9.50	Not Required	18.00	Not Required	17.00	96.30
	60	5300	17.25	18.50		16.50		15.00		9.50		18.00		17.00	
	64	5320	15.79	16.50		16.50		15.00		9.50		16.50		17.00	
802.11ac-VHT40 MCS0	54	5270	17.54	19.00		16.50		15.00		9.50		18.00		17.00	92.86
	62	5310	14.56	15.50		15.50		15.00		9.50		15.50		17.00	
802.11ac-VHT80 MCS0	58	5290	14.97	16.00		16.00		14.50		9.00		16.00		16.00	84.21
802.11ac-VHT160 MCS0	50	5250	11.70	12.50		12.50		12.50		9.50		12.50		12.50	75.00
802.11ax-HE20 MCS0	52	5260	17.83	18.50		16.50		15.00		9.50		18.00		17.00	95.28
	60	5300	17.49	18.50		16.50		15.00		9.50		18.00		17.00	
	64	5320	16.03	17.00		16.50		15.00		9.50		17.00		17.00	
802.11ax-HE40 MCS0	54	5270	17.81	19.00	Not Required	16.50	Not Required	15.00	Not Required	9.50	Not Required	18.00	Not Required	17.00	91.38
	62	5310	14.83	15.50		15.50		15.00		9.50		15.50		15.50	
802.11ax-HE80 MCS0	58	5290	15.48	17.00		16.00		14.50		9.00		17.00		16.50	82.35
802.11ax-HE160 MCS0	50	5250	11.80	12.50		12.50		12.50		9.50		12.50		12.50	77.27
802.11be EHT20 MCS0	52	5260	18.37	19.00		16.50		15.00		9.50		18.00		17.00	94.44
	60	5300	18.08	19.00		16.50		15.00		9.50		18.00		17.00	
	64	5320	16.16	17.00		16.50		15.00		9.50		17.00		17.00	
802.11be EHT40 MCS0	54	5270	17.92	19.00		16.50		15.00		9.50		18.00		17.00	91.67
	62	5310	14.94	16.00		16.00		15.00		9.50		16.00		16.00	
802.11be EHT80 MCS0	58	5290	15.79	17.00		16.00		14.50		9.00		17.00		16.50	82.86
802.11be EHT160 MCS0	50	5250	12.18	13.00		13.00		13.00		9.50		13.00		13.00	75.00

Ant 5+18		Full Power		Standalone for Head		Simultaneous DBS only for Head		Simultaneous non DBS&DBS for Head		Standalone for Extremity		Simultaneous DBS for Body-Worn		
Mode	Channel	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	52	19.87	21.00	Not Required	19.50	Not Required	18.00	Not Required	12.50	Not Required	21.00	Not Required	20.00	96.55
	60	20.27	21.50		19.50		18.00		12.50		21.00		20.00	
	64	19.73	21.00		19.50		18.00		12.50		21.00		20.00	
802.11n-HT20 MCS0	52	20.38	21.50	Not Required	19.50	Not Required	18.00	Not Required	12.50	Not Required	21.00	Not Required	20.00	95.56
	60	20.22	21.50		19.50		18.00		12.50		21.00		20.00	
	64	19.83	20.00		19.50		18.00		12.50		20.00		20.00	
802.11n-HT40 MCS0	54	20.50	22.00	18.09	19.50	16.67	18.00	11.20	12.50	19.58	21.00	18.43	20.00	91.43
	62	17.62	19.00	17.62	19.00	16.14	17.50	10.72	12.00	17.62	19.00	17.62	19.00	
802.11ac-VHT20 MCS0	52	20.26	21.50	Not Required	19.50	Not Required	18.00	Not Required	12.50	Not Required	21.00	Not Required	20.00	96.30
	60	20.10	21.50		19.50		18.00		12.50		21.00		20.00	
	64	19.72	19.50		19.50		18.00		12.50		19.50		19.50	
802.11ac-VHT40 MCS0	54	20.34	22.00	Not Required	19.50	Not Required	18.00	Not Required	12.50	Not Required	21.00	Not Required	20.00	92.86
	62	17.46	18.50		18.50		18.00		12.50		18.50		18.50	
802.11ac-VHT80 MCS0	58	17.94	19.00		19.00		17.50		12.00		19.00		19.00	84.21
802.11ac-VHT160 MCS0	50	14.53	15.50	Not Required	15.50	Not Required	15.50	Not Required	12.50	Not Required	15.50	Not Required	15.50	75.00
802.11ax-HE20 MCS0	52	20.52	21.50		19.50		18.00		12.50		21.00		20.00	95.28
	60	20.36	21.50		19.50		18.00		12.50		21.00		20.00	
	64	19.98	20.00		19.50		18.00		12.50		20.00		20.00	
802.11ax-HE40 MCS0	54	20.61	22.00	Not Required	19.50	Not Required	18.00	Not Required	12.50	Not Required	21.00	Not Required	20.00	91.38
	62	17.73	18.50		18.50		18.00		12.50		18.50		18.50	
802.11ax-HE80 MCS0	58	18.31	20.00		19.00		17.50		12.00		20.00		19.50	82.35
802.11ax-HE160 MCS0	50	14.63	15.50	Not Required	15.50	Not Required	15.50	Not Required	12.50	Not Required	15.50	Not Required	15.50	77.27
802.11be EHT20 MCS0	52	21.04	22.00		19.50		18.00		12.50		21.00		20.00	95.33
	60	20.91	22.00		19.50		18.00		12.50		21.00		20.00	
	64	19.08	20.00		19.50		18.00		12.50		20.00		20.00	
802.11be EHT40 MCS0	54	20.72	22.00	Not Required	19.50	Not Required	18.00	Not Required	12.50	Not Required	21.00	Not Required	20.00	91.67
	62	17.83	19.00		19.00		18.00		12.50		19.00		19.00	
802.11be EHT80 MCS0	58	18.54	20.00		19.00		17.50		12.00		20.00		19.50	85.71
802.11be EHT160 MCS0	50	14.93	16.00	Not Required	16.00	Not Required	16.00	Not Required	12.50	Not Required	16.00	Not Required	16.00	78.26

5 GHz WLAN Art 5				Full Power		Simultaneous non DBS&DBS for Head		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5 GHz WLAN	802.11a 6Mbps	100	5500	12.55	13.50	Not Required	9.50	96.55
		116	5580	12.60	13.50		9.50	
		140	5700	12.51	13.50		9.50	
		144	5720	12.63	13.50		9.50	
	802.11n-HT20 MCS0	100	5500	12.77	13.50	Not Required	9.50	95.96
		116	5580	12.60	13.50		9.50	
		140	5700	12.74	13.50		9.50	
		144	5720	12.54	13.50		9.50	
	802.11n-HT40 MCS0	102	5510	12.66	14.00	8.21	9.50	91.43
		110	5550	12.74	14.00	8.39	9.50	
		134	5670	12.49	14.00	8.07	9.50	
		142	5710	12.39	14.00	8.14	9.50	
	802.11ac-VHT20 MCS0	100	5500	12.65	13.50	Not Required	9.50	96.30
		116	5580	12.48	13.50		9.50	
		140	5700	12.62	13.50		9.50	
		144	5720	12.42	13.50		9.50	
	802.11ac-VHT40 MCS0	102	5510	12.50	13.50	Not Required	9.50	92.86
		110	5550	12.58	13.50		9.50	
		134	5670	12.33	13.50		9.50	
		142	5710	12.23	13.50		9.50	
	802.11ac-VHT80 MCS0	106	5530	12.27	13.50	Not Required	9.00	84.21
		122	5610	12.22	13.50		9.00	
		138	5690	12.32	13.50		9.00	
		114	5570	11.08	12.00		9.50	75.00
	802.11ax-HE20 MCS0	100	5500	12.93	13.50	Not Required	9.50	94.34
		116	5580	12.76	13.50		9.50	
		140	5700	12.90	13.50		9.50	
		144	5720	12.70	13.50		9.50	
	802.11ax-HE40 MCS0	102	5510	12.87	13.50	Not Required	9.50	91.38
		110	5550	12.95	13.50		9.50	
		134	5670	12.70	13.50		9.50	
		142	5710	12.66	13.50		9.50	
	802.11ax-HE80 MCS0	106	5530	12.61	13.50	Not Required	9.00	82.35
		122	5610	12.56	13.50		9.00	
		138	5690	12.66	13.50		9.00	
		114	5570	11.16	12.00		9.50	77.27
	802.11be EHT20 MCS0	100	5500	12.98	14.00	Not Required	9.50	95.33
		116	5580	12.81	14.00		9.50	
		140	5700	12.95	14.00		9.50	
		144	5720	12.75	14.00		9.50	
	802.11be EHT40 MCS0	102	5510	13.02	14.00	Not Required	9.50	91.67
		110	5550	13.10	14.00		9.50	
		134	5670	12.85	14.00		9.50	
		142	5710	12.80	14.00		9.50	
	802.11be EHT80 MCS0	106	5530	12.64	13.50	Not Required	9.00	85.71
		122	5610	12.59	13.50		9.00	
		138	5690	12.69	13.50		9.00	
		114	5570	11.30	12.50		9.50	78.26

Art. 18			Full Power		Simultaneous non DBS&DBS for Head		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	12.30	13.50	Not Required	9.50	95.86
	116	5580	12.65	13.50		9.50	
	140	5700	12.67	13.50		9.50	
	144	5720	12.72	13.50		9.50	
802.11n-HT20 MCS0	100	5500	12.46	13.50	Not Required	9.50	95.56
	116	5580	12.41	13.50		9.50	
	140	5700	12.57	13.50		9.50	
	144	5720	12.45	13.50		9.50	
802.11n-HT40 MCS0	102	5510	12.33	14.00	8.01	9.50	91.43
	110	5550	12.46	14.00	8.16	9.50	
	134	5670	12.37	14.00	7.95	9.50	
	142	5710	12.42	14.00	8.03	9.50	
802.11ac-VHT20 MCS0	100	5500	12.34	13.50	Not Required	9.50	96.30
	116	5580	12.29	13.50		9.50	
	140	5700	12.45	13.50		9.50	
	144	5720	12.33	13.50		9.50	
802.11ac-VHT40 MCS0	102	5510	12.17	13.50		9.50	92.86
	110	5550	12.30	13.50		9.50	
	134	5670	12.21	13.50		9.50	
	142	5710	12.26	13.50		9.50	
802.11ac-VHT80 MCS0	106	5530	11.75	13.00		9.00	84.21
	122	5610	11.86	13.00		9.00	
	138	5690	12.06	13.00		9.00	
802.11ac-VHT160 MCS0	114	5570	11.00	12.00		9.50	75.00
802.11ax-HE20 MCS0	100	5500	12.58	13.50		9.50	95.28
	116	5580	12.53	13.50		9.50	
	140	5700	12.69	13.50		9.50	
	144	5720	12.57	13.50		9.50	
802.11ax-HE40 MCS0	102	5510	12.54	13.50		9.50	91.38
	110	5550	12.67	13.50		9.50	
	134	5670	12.58	13.50		9.50	
	142	5710	12.64	13.50		9.50	
802.11ax-HE80 MCS0	106	5530	12.09	13.50		9.00	82.35
	122	5610	12.20	13.50		9.00	
	138	5690	12.40	13.50		9.00	
802.11ax-HE160 MCS0	114	5570	11.08	12.00		9.50	77.27
802.11be EHT20 MCS0	100	5500	12.71	14.00		9.50	94.44
	116	5580	12.66	14.00		9.50	
	140	5700	12.82	14.00		9.50	
	144	5720	12.70	14.00		9.50	
802.11be EHT40 MCS0	102	5510	12.69	14.00		9.50	91.67
	110	5550	12.82	14.00		9.50	
	134	5670	12.73	14.00		9.50	
	142	5710	12.71	14.00		9.50	
802.11be EHT80 MCS0	106	5530	12.27	13.50		9.00	82.86
	122	5610	12.38	13.50		9.00	
	138	5690	12.58	13.50		9.00	
802.11be EHT160 MCS0	114	5570	11.43	12.50		9.50	75.00

Ant 5+18		Full Power		Simultaneous non DBS&DBS for Head		
Mode	Channel	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	15.44	16.50	Not Required	12.50	96.55
	116	15.64	16.50		12.50	
	140	15.60	16.50		12.50	
	144	15.69	16.50		12.50	
802.11n-HT20 MCS0	100	15.63	16.50	Not Required	12.50	95.56
	116	15.51	16.50		12.50	
	140	15.66	16.50		12.50	
	144	15.50	16.50		12.50	
802.11n-HT40 MCS0	102	15.51	17.00	11.11	12.50	91.43
	110	15.61	17.00	11.28	12.50	
	134	15.44	17.00	11.01	12.50	
	142	15.41	17.00	11.09	12.50	
802.11ac-VHT20 MCS0	100	15.51	16.50	Not Required	12.50	96.30
	116	15.40	16.50		12.50	
	140	15.55	16.50		12.50	
	144	15.39	16.50		12.50	
802.11ac-VHT40 MCS0	102	15.35	16.50	Not Required	12.50	92.86
	110	15.45	16.50		12.50	
	134	15.28	16.50		12.50	
	142	15.26	16.50		12.50	
802.11ac-VHT80 MCS0	106	15.02	16.50	Not Required	12.00	84.21
	122	15.05	16.50		12.00	
	138	15.20	16.50		12.00	
	144	14.05	15.00		12.50	
802.11ac-VHT160 MCS0	114	14.05	15.00	Not Required	12.50	75.00
802.11ax-HE20 MCS0	100	15.77	16.50		12.50	95.28
	116	15.66	16.50		12.50	
	140	15.81	16.50		12.50	
	144	15.65	16.50		12.50	
802.11ax-HE40 MCS0	102	15.72	16.50	Not Required	12.50	91.38
	110	15.82	16.50		12.50	
	134	15.65	16.50		12.50	
	142	15.66	16.50		12.50	
802.11ax-HE80 MCS0	106	15.37	16.50	Not Required	12.00	82.35
	122	15.40	16.50		12.00	
	138	15.55	16.50		12.00	
	144	14.13	15.00		12.50	
802.11ax-HE160 MCS0	114	14.13	15.00	Not Required	12.50	77.27
802.11be EHT20 MCS0	100	15.86	17.00		12.50	95.33
	116	15.74	17.00		12.50	
	140	15.89	17.00		12.50	
	144	15.73	17.00		12.50	
802.11be EHT40 MCS0	102	15.87	17.00	Not Required	12.50	91.67
	110	15.97	17.00		12.50	
	134	15.80	17.00		12.50	
	142	15.76	17.00		12.50	
802.11be EHT80 MCS0	106	15.47	16.50	Not Required	12.00	85.71
	122	15.49	16.50		12.00	
	138	15.64	16.50		12.00	
	144	14.38	15.50		12.50	
802.11be EHT160 MCS0	114	14.38	15.50	Not Required	12.50	78.26

5.8GHz WLAN Ant 5				Full Power		Simultaneous non DBS&DBS for Head		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	10.29	11.50	Not Required	9.50	96.55
		157	5785	10.35	11.50		9.50	
		165	5825	10.14	11.50		9.50	
	802.11n-HT20 MCS0	149	5745	10.43	11.50		9.50	95.56
		157	5785	10.39	11.50		9.50	
		165	5825	10.32	11.50		9.50	
	802.11n-HT40 MCS0	151	5755	10.44	11.50	8.52	9.50	91.43
		159	5795	10.37	11.50	8.44	9.50	
	802.11ac-VHT20 MCS0	149	5745	10.37	11.50	Not Required	9.50	96.30
		157	5785	10.33	11.50		9.50	
		165	5825	10.26	11.50		9.50	
	802.11ac-VHT40 MCS0	151	5755	10.37	11.50		9.50	92.86
		159	5795	10.30	11.50		9.50	
	802.11ac-VHT80 MCS0	155	5775	10.23	11.00		8.50	84.21
	802.11ax-HE20 MCS0	149	5745	10.49	11.50		9.50	94.34
		157	5785	10.45	11.50		9.50	
		165	5825	10.38	11.50		9.50	
	802.11ax-HE40 MCS0	151	5755	10.47	11.50		9.50	91.38
		159	5795	10.40	11.50		9.50	
	802.11ax-HE80 MCS0	155	5775	10.36	11.00		8.50	82.35
	802.11be EHT20 MCS0	149	5745	10.57	11.50		9.50	95.33
		157	5785	10.53	11.50		9.50	
		165	5825	10.46	11.50		9.50	
	802.11be EHT40 MCS0	151	5755	10.61	11.50		9.50	91.67
		159	5795	10.54	11.50		9.50	
	802.11be EHT80 MCS0	155	5775	10.36	11.00		8.50	85.71

Ant 18				Full Power		Simultaneous non DBS&DBS for Head		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	10.13	11.50	Not Required	9.50	95.86
		157	5785	10.45	11.50		9.50	
		165	5825	10.29	11.50		9.50	
	802.11n-HT20 MCS0	149	5745	10.31	11.50	Not Required	9.50	95.56
		157	5785	10.27	11.50		9.50	
		165	5825	10.39	11.50		9.50	
	802.11n-HT40 MCS0	151	5755	10.16	11.50	8.06	9.50	91.43
		159	5795	10.25	11.50	8.21	9.50	
	802.11ac-VHT20 MCS0	149	5745	10.25	11.50	Not Required	9.50	96.30
		157	5785	10.21	11.50		9.50	
		165	5825	10.33	11.50		9.50	
	802.11ac-VHT40 MCS0	151	5755	10.09	11.50	Not Required	9.50	92.86
		159	5795	10.18	11.50		9.50	
	802.11ax-VHT80 MCS0	155	5775	10.16	11.00		8.50	84.21
		149	5745	10.33	11.50	Not Required	9.50	
		157	5785	10.29	11.50		9.50	
	802.11ax-HE20 MCS0	165	5825	10.41	11.50		9.50	95.28
		151	5755	10.19	11.50	Not Required	9.50	
		159	5795	10.28	11.50		9.50	
	802.11ax-HE40 MCS0	155	5775	10.31	11.00		8.50	82.35
		149	5745	10.49	11.50	Not Required	9.50	
	802.11be EHT20 MCS0	157	5785	10.45	11.50		9.50	94.44
		165	5825	10.57	11.50		9.50	
		151	5755	10.33	11.50	Not Required	9.50	91.67
	802.11be EHT40 MCS0	159	5795	10.42	11.50		9.50	
		155	5775	10.40	11.00		8.50	82.86

Ant 5+18				Full Power		Simultaneous non DBS&DBS for Head		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	13.22	14.50		12.50	96.55
		157	5785	13.41	14.50		12.50	
		165	5825	13.23	14.50		12.50	
	802.11n-HT20 MCS0	149	5745	13.38	14.50		12.50	95.56
		157	5785	13.34	14.50		12.50	
		165	5825	13.36	14.50		12.50	
	802.11n-HT40 MCS0	151	5755	13.31	14.50	11.30	12.50	91.43
		159	5795	13.32	14.50		12.50	
	802.11ac-VHT20 MCS0	149	5745	13.32	14.50		12.50	96.30
		157	5785	13.28	14.50		12.50	
		165	5825	13.31	14.50		12.50	
	802.11ac-VHT40 MCS0	151	5755	13.24	14.50		12.50	92.86
		159	5795	13.25	14.50		12.50	
	802.11ac-VHT80 MCS0	155	5775	13.20	14.00		11.50	84.21
	802.11ax-HE20 MCS0	149	5745	13.42	14.50		12.50	95.28
		157	5785	13.38	14.50		12.50	
		165	5825	13.41	14.50		12.50	
	802.11ax-HE40 MCS0	151	5755	13.34	14.50		12.50	91.38
		159	5795	13.35	14.50		12.50	
	802.11ax-HE80 MCS0	155	5775	13.35	14.00		11.50	82.35
		149	5745	13.54	14.50		12.50	
	802.11be EHT20 MCS0	157	5785	13.50	14.50		12.50	95.33
		165	5825	13.52	14.50		12.50	
		151	5755	13.48	14.50		12.50	
	802.11be EHT40 MCS0	159	5795	13.49	14.50		12.50	91.67
		155	5775	13.39	14.00		11.50	
	802.11be EHT80 MCS0	155	5775	13.39	14.00		11.50	85.71

BT BR/EDR Ant17			Full Power			Simultaneous for Head		
Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.37	13.20	13.27	9.41	6.14	6.12
	CH 39	2441	16.55	13.27	13.39	9.58	6.07	6.34
	CH 78	2480	16.28	13.13	13.09	9.36	5.98	5.89
Tune-up Limit			17.50	14.50	14.50	10.50	7.50	7.50

BLE_1M ANT17

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.55
	CH 19	2440	6.87
	CH 39	2480	6.85
Tune-up Limit			8.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.59
	CH 19	2440	6.92
	CH 39	2480	6.85
Tune-up Limit			8.00

BLE-125K

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.61
	CH 19	2440	6.94
	CH 39	2480	6.88
Tune-up Limit			8.00

BLE-500K

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.56
	CH 19	2440	6.89
	CH 39	2480	6.84
Tune-up Limit			8.00

BT BR/EDR Ant6			Full Power			Simultaneous for Head		
Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.18	13.15	13.19	8.75	5.70	5.76
	CH 39	2441	16.31	13.22	13.36	8.89	5.78	5.85
	CH 78	2480	15.84	12.78	12.87	8.40	5.20	5.44
Tune-up Limit			17.50	14.50	14.50	10.00	7.00	7.00

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.18
	CH 19	2440	7.60
	CH 39	2480	7.11
Tune-up Limit			8.50

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.18
	CH 19	2440	7.63
	CH 39	2480	7.07
Tune-up Limit			8.50

BLE-125K

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.22
	CH 19	2440	7.67
	CH 39	2480	7.16
Tune-up Limit			8.50

BLE-500K

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.21
	CH 19	2440	7.61
	CH 39	2480	7.06
Tune-up Limit			8.50