



**Default Power for Main PA for WWAN**

GSM850 Ant1 Default									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	178	189	251		178	189	251		
TX Channel	924.2	935.4	946.6	30.4	31.4	32.4	33.4	34.4	
Frequency (MHz)	32.87	32.91	32.84	33.50	23.87	23.91	23.84	24.50	
GSM 1 Tx slot	32.76	32.82	32.70	33.50	23.76	23.82	23.70	24.50	
GPRS 2 Tx slots	31.81	31.87	31.73	32.50	25.81	25.87	25.73	26.50	
GPRS 3 Tx slots	29.99	30.09	29.98	31.00	25.73	25.83	25.72	26.74	
GPRS 4 Tx slots	28.87	28.98	28.87	30.00	25.87	25.98	25.87	27.00	
EDGE 1 Tx slot	27.19	27.24	27.20	28.50	18.19	18.24	18.20	19.50	
EDGE 2 Tx slots	26.06	26.18	26.06	27.50	20.06	20.18	20.06	21.50	
EDGE 3 Tx slots	24.06	24.20	24.10	25.50	19.80	19.94	19.84	21.24	
EDGE 4 Tx slots	22.74	22.86	22.82	24.00	19.74	19.86	19.82	21.00	

  

GSM1900 Ant1 Default									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8	30.50	20.12	20.19	20.02	21.50	
Frequency (MHz)	29.12	29.19	29.02	30.50	20.12	20.19	20.02	21.50	
GSM 1 Tx slot	29.07	29.09	29.00	30.50	20.07	20.09	20.00	21.50	
GPRS 2 Tx slots	28.35	28.41	28.28	29.50	22.35	22.41	22.28	23.50	
GPRS 3 Tx slots	26.69	26.71	26.62	28.00	22.43	22.45	22.36	23.74	
GPRS 4 Tx slots	25.61	25.69	25.67	27.00	22.61	22.69	22.67	24.00	
EDGE 1 Tx slot	25.53	25.61	25.58	27.00	16.53	16.61	16.58	18.00	
EDGE 2 Tx slots	24.50	24.66	24.55	26.00	18.50	18.66	18.55	20.00	
EDGE 3 Tx slots	22.47	22.55	22.40	24.00	18.21	18.29	18.14	19.74	
EDGE 4 Tx slots	21.11	21.20	21.17	22.50	18.11	18.20	18.17	19.50	

  

Band	WCDMA II Default			Tune-up Limit (dBm)	WCDMA IV Ant1 Default			Tune-up Limit (dBm)	WCDMA V Ant1 Default			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	24.00	1537	1638	1738	23.00	23.03	23.12	23.10	24.00
Rx Channel	1852.4	1880	1907.6	23.00	1712.4	1732.6	1752.6	23.00	22.05	22.16	22.05	23.00
Frequency (MHz)	23.05	23.20	23.09	24.00	22.90	23.13	23.01	24.00	22.92	23.06	22.97	24.00
3GPP Rel 99 AMR 12.2Kbps	23.10	23.23	23.20	24.00	23.00	23.17	23.08	24.00	23.03	23.12	23.10	24.00
3GPP Rel 99 RMC 12.2Kbps	22.17	22.23	22.13	23.00	22.05	22.19	22.02	23.00	22.05	22.16	22.05	23.00
3GPP Rel 6 HSDPA Subtest-1	22.02	22.07	22.14	23.00	21.95	22.03	22.09	23.00	21.90	21.96	21.97	23.00
3GPP Rel 6 HSDPA Subtest-2	21.55	21.63	21.46	22.50	21.41	21.50	21.32	22.50	21.40	21.54	21.36	22.50
3GPP Rel 6 HSDPA Subtest-3	21.68	21.69	21.53	22.50	21.60	21.66	21.48	22.50	21.55	21.56	21.43	22.50
3GPP Rel 6 DC-HSDPA Subtest-1	22.33	22.22	22.08	23.00	22.28	22.09	21.97	23.00	22.16	22.10	22.02	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	21.87	22.09	21.91	23.00	21.79	22.02	21.79	23.00	21.77	21.96	21.84	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	21.48	21.40	21.33	22.50	21.37	21.26	21.28	22.50	21.33	21.33	21.18	22.50
3GPP Rel 6 DC-HSDPA Subtest-4	21.49	21.61	21.47	22.50	21.38	21.48	21.35	22.50	21.33	21.45	21.40	22.50
3GPP Rel 6 HSUPA Subtest-1	22.31	22.39	22.00	23.00	22.26	22.33	21.84	23.00	22.16	22.22	21.94	23.00
3GPP Rel 6 HSUPA Subtest-2	20.10	20.31	20.26	21.00	19.99	20.26	20.13	21.00	20.04	20.24	20.17	21.00
3GPP Rel 6 HSUPA Subtest-3	21.29	21.30	21.14	22.00	21.22	21.21	21.07	22.00	21.18	21.14	21.01	22.00
3GPP Rel 6 HSUPA Subtest-4	20.14	20.09	20.12	21.00	20.00	20.06	20.07	21.00	20.07	19.95	19.96	21.00
3GPP Rel 6 HSUPA Subtest-5	22.08	22.05	22.00	23.00	22.05	21.99	21.88	23.00	21.93	21.90	21.85	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.56	19.73	19.64	20.50	19.45	19.65	19.59	20.50	19.43	19.62	19.48	20.50



Band 2 Ant1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.49	22.50	22.43				
20	QPSK	1	49	22.43	22.50	22.43	24	0		
20	QPSK	1	99	22.23	22.39	22.23				
20	QPSK	50	0	21.46	21.58	21.42				
20	QPSK	50	24	21.49	21.57	21.43	23	1		
20	QPSK	50	50	21.27	21.46	21.24				
20	QPSK	100	0	21.28	21.41	21.31				
20	16QAM	1	0	21.38	21.44	21.31				
20	16QAM	1	49	21.32	21.42	21.28	23	1		
20	16QAM	1	99	21.32	21.43	21.28				
20	16QAM	50	0	20.38	20.51	20.41				
20	16QAM	50	24	20.41	20.53	20.46				
20	16QAM	50	50	20.33	20.47	20.27	22	2		
20	16QAM	100	0	20.27	20.48	20.24				
20	64QAM	1	0	20.47	20.53	20.46				
20	64QAM	1	49	20.55	20.63	20.57	22	2		
20	64QAM	1	99	20.36	20.45	20.36				
20	64QAM	50	0	19.45	19.62	19.57				
20	64QAM	50	24	19.56	19.85	19.52				
20	64QAM	50	50	19.58	19.85	19.48	21	3		
20	64QAM	100	0	19.55	19.60	19.53				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.45	22.49	22.38				
15	QPSK	1	37	22.34	22.40	22.38	24	0		
15	QPSK	1	74	22.15	22.36	22.23				
15	QPSK	36	0	21.34	21.48	21.37				
15	QPSK	36	20	21.44	21.47	21.39				
15	QPSK	36	39	21.14	21.42	21.10	23	1		
15	QPSK	75	0	21.14	21.30	21.18				
15	16QAM	1	0	21.20	21.32	21.12				
15	16QAM	1	37	21.29	21.32	21.17	23	1		
15	16QAM	1	74	21.17	21.31	21.07				
15	16QAM	36	0	20.27	20.43	20.27				
15	16QAM	36	20	20.35	20.40	20.33				
15	16QAM	36	39	20.25	20.44	20.20	22	2		
15	16QAM	75	0	20.21	20.37	20.20				
15	64QAM	1	0	20.34	20.45	20.41				
15	64QAM	1	37	20.42	20.48	20.49	22	2		
15	64QAM	1	74	20.23	20.36	20.24				
15	64QAM	36	0	19.54	19.55	19.53				
15	64QAM	36	20	19.46	19.68	19.47	21	3		
15	64QAM	36	39	19.37	19.49	19.45				
15	64QAM	75	0	19.52	19.46	19.44				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.34	22.43	22.29				
10	QPSK	1	25	22.35	22.42	22.31	24	0		
10	QPSK	1	49	22.09	22.26	22.22				
10	QPSK	25	0	21.36	21.45	21.34				
10	QPSK	25	12	21.39	21.50	21.37				
10	QPSK	25	25	21.15	21.42	21.19	23	1		
10	QPSK	50	0	21.33	21.33	21.22				
10	16QAM	1	0	21.27	21.35	21.09				
10	16QAM	1	25	21.18	21.31	21.19	23	1		
10	16QAM	1	49	21.26	21.32	21.20				
10	16QAM	25	0	20.31	20.48	20.36				
10	16QAM	25	12	20.38	20.39	20.38				
10	16QAM	25	25	20.18	20.42	20.17	22	2		
10	16QAM	50	0	20.13	20.44	20.18				
10	64QAM	1	0	20.40	20.47	20.37				
10	64QAM	1	25	20.42	20.57	20.47	22	2		
10	64QAM	1	49	20.32	20.39	20.29				
10	64QAM	25	0	19.39	19.48	19.51				
10	64QAM	25	12	19.42	19.57	19.42				
10	64QAM	25	25	19.41	19.42	19.43	21	3		
10	64QAM	50	0	19.43	19.46	19.48				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.42	22.52	22.31				
5	QPSK	1	12	22.32	22.36	22.35	24	0		
5	QPSK	1	24	22.19	22.27	22.17				
5	QPSK	12	0	21.40	21.55	21.28				
5	QPSK	12	7	21.25	21.45	21.33				
5	QPSK	12	13	21.20	21.38	21.15	23	1		
5	QPSK	25	0	21.17	21.29	21.11				
5	16QAM	1	0	21.33	21.32	21.09				
5	16QAM	1	12	21.26	21.38	21.17	23	1		
5	16QAM	1	24	21.20	21.36	21.24				
5	16QAM	12	0	20.23	20.41	20.37				
5	16QAM	12	7	20.27	20.48	20.38				
5	16QAM	12	13	20.24	20.37	20.21	22	2		
5	16QAM	25	0	20.20	20.40	20.18				
5	64QAM	1	0	20.27	20.39	20.41				
5	64QAM	1	12	20.47	20.49	20.52	22	2		
5	64QAM	1	24	20.24	20.31	20.29				
5	64QAM	12	0	19.37	19.52	19.51				
5	64QAM	12	7	19.52	19.55	19.41	21	3		
5	64QAM	12	13	19.37	19.37	19.44				
5	64QAM	25	0	19.43	19.49	19.48				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.36	22.50	22.40				
3	QPSK	1	8	22.39	22.41	22.39	24	0		
3	QPSK	1	14	22.10	22.35	22.16				
3	QPSK	8	0	21.32	21.38	21.37				
3	QPSK	8	4	21.37	21.51	21.37				
3	QPSK	8	7	21.12	21.38	21.12	23	1		
3	QPSK	15	0	21.20	21.38	21.21				
3	16QAM	1	0	21.26	21.38	21.18				
3	16QAM	1	8	21.26	21.34	21.13				
3	16QAM	1	14	21.24	21.41	21.24	23	1		
3	16QAM	8	0	20.34	20.47	20.37				
3	16QAM	8	4	20.37	20.45	20.40				
3	16QAM	8	7	20.24	20.37	20.12	22	2		
3	16QAM	15	0	20.24	20.43	20.15				
3	64QAM	1	0	20.38	20.38	20.33				
3	64QAM	1	8	20.46	20.56	20.48	22	2		
3	64QAM	1	14	20.27	20.41	20.23				
3	64QAM	8	0	19.35	19.50	19.44				
3	64QAM	8	4	19.47	19.54	19.46	21	3		
3	64QAM	8	7	19.39	19.47	19.38				
3	64QAM	15	0	19.44	19.48	19.39				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.37	22.40	22.28				
1.4	QPSK	1	3	22.28	22.38	22.23				
1.4	QPSK	1	3	22.15	22.38	22.17	24	0		
1.4	QPSK	3	0	22.14	22.36	22.24				
1.4	QPSK	3	1	22.33	22.39	22.27				
1.4	QPSK	3	3	22.14	22.38	22.33				
1.4	QPSK	6	0	21.34	21.49	21.35	23	1		
1.4	16QAM	1	0	21.42	21.44	21.39				
1.4	16QAM	1	3	21.31	21.37	21.26				
1.4	16QAM	1	5	21.19	21.35	21.33				
1.4	16QAM	3	0	21.27	21.27	21.14	23	1		
1.4	16QAM	3	1	21.12	21.16	21.24				
1.4	16QAM	3	3	21.18	21.36	21.29				
1.4	16QAM	6	0	20.33	20.38	20.32	22	2		
1.4	64QAM	1	0	20.37	20.52	20.34				
1.4	64QAM	1	3	20.36	20.30	20.19				
1.4	64QAM	1	5	20.26	20.35	20.15	22	2		
1.4	64QAM	3	0	20.45	20.50	20.37				
1.4	64QAM	3	1	20.47	20.42	20.53				
1.4	64QAM	3	3	20.22	20.37	20.27				
1.4	64QAM	6	0	19.48	19.54	19.52	21	3		

Band 4 Ant1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.					



Band 7 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.90	22.99	22.94			
20	QPSK	1	49	22.88	22.89	22.87	24	0	
20	QPSK	1	99	22.85	22.91	22.81			
20	QPSK	50	0	21.84	22.04	21.96			
20	QPSK	50	24	21.85	21.99	21.86	23	1	
20	QPSK	50	50	21.75	21.88	21.85			
20	QPSK	100	0	21.78	21.92	21.90			
20	16QAM	1	0	21.76	21.85	21.80			
20	16QAM	1	49	21.83	21.87	21.83	23	1	
20	16QAM	1	99	21.71	21.81	21.68			
20	16QAM	50	0	20.74	20.83	20.80			
20	16QAM	50	24	20.82	20.88	20.78	22	2	
20	16QAM	50	50	20.93	20.96	20.91			
20	16QAM	100	0	20.84	20.90	20.80			
20	64QAM	1	0	20.75	20.83	20.80			
20	64QAM	1	49	21.06	21.06	21.03	22	2	
20	64QAM	1	99	20.82	21.00	20.94			
20	64QAM	50	0	19.96	20.03	20.01			
20	64QAM	50	24	20.03	20.11	20.02	21	3	
20	64QAM	50	50	20.03	20.17	20.12			
20	64QAM	100	0	19.86	19.97	19.92			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.86	22.93	22.89	24	0	
15	QPSK	1	37	22.78	22.85	22.79			
15	QPSK	1	74	22.75	22.79	22.71			
15	QPSK	36	0	21.71	21.99	21.86			
15	QPSK	36	20	21.78	21.94	21.77	23	1	
15	QPSK	36	39	21.64	21.74	21.82			
15	QPSK	75	0	21.72	21.79	21.81			
15	16QAM	1	0	21.71	21.81	21.72			
15	16QAM	1	37	21.68	21.78	21.78	23	1	
15	16QAM	1	74	21.64	21.72	21.62			
15	16QAM	36	0	20.60	20.69	20.68			
15	16QAM	36	20	20.67	20.85	20.64	22	2	
15	16QAM	36	39	20.86	20.82	20.75			
15	16QAM	75	0	20.74	20.77	20.76			
15	64QAM	1	0	20.81	20.71	20.67			
15	64QAM	1	37	21.01	20.93	20.96	22	2	
15	64QAM	1	74	20.78	20.87	20.81			
15	64QAM	36	0	19.93	19.96	19.96			
15	64QAM	36	20	19.88	20.03	19.99	21	3	
15	64QAM	36	39	19.98	20.05	19.98			
15	64QAM	75	0	19.75	19.91	19.84			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.82	22.88	22.82	24	0	
10	QPSK	1	25	22.75	22.85	22.80			
10	QPSK	1	49	22.76	22.85	22.75			
10	QPSK	25	0	21.73	21.98	21.84	23	1	
10	QPSK	25	12	21.74	21.86	21.81			
10	QPSK	25	25	21.67	21.76	21.78			
10	QPSK	50	0	21.66	21.80	21.86			
10	16QAM	1	0	21.64	21.79	21.67			
10	16QAM	1	25	21.70	21.75	21.71	23	1	
10	16QAM	1	49	21.64	21.66	21.54			
10	16QAM	25	0	20.69	20.74	20.66			
10	16QAM	25	12	20.78	20.80	20.69	22	2	
10	16QAM	25	25	20.86	20.84	20.77			
10	16QAM	50	0	20.78	20.86	20.65			
10	64QAM	1	0	20.64	20.79	20.68			
10	64QAM	1	25	20.82	20.95	20.96	22	2	
10	64QAM	1	49	20.80	20.95	20.84			
10	64QAM	25	0	19.83	19.92	19.87			
10	64QAM	25	12	19.81	20.01	19.88	21	3	
10	64QAM	25	25	19.89	20.10	20.07			
10	64QAM	50	0	19.81	19.87	19.88			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.87	22.84	22.85	24	0	
5	QPSK	1	12	22.83	22.82	22.77			
5	QPSK	1	24	22.72	22.84	22.67			
5	QPSK	12	0	21.78	21.96	21.83	23	1	
5	QPSK	12	7	21.73	21.88	21.77			
5	QPSK	12	13	21.71	21.82	21.72			
5	QPSK	25	0	21.84	21.89	21.76			
5	16QAM	1	0	21.72	21.71	21.72			
5	16QAM	1	12	21.72	21.75	21.73	23	1	
5	16QAM	1	24	21.64	21.72	21.61			
5	16QAM	12	0	20.86	20.88	20.70			
5	16QAM	12	7	20.73	20.85	20.73	22	2	
5	16QAM	12	13	20.88	20.86	20.75			
5	16QAM	25	0	20.77	20.84	20.73			
5	64QAM	1	0	20.67	20.75	20.77			
5	64QAM	1	12	20.83	20.82	20.82	22	2	
5	64QAM	1	24	20.87	20.88	20.81			
5	64QAM	12	0	19.87	19.87	19.86	21	3	
5	64QAM	12	7	19.93	20.07	19.99			
5	64QAM	12	13	19.99	20.06	20.08			
5	64QAM	25	0	19.73	19.91	19.80			



Band 38 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3800	3815			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.82	22.87	22.78	24	0	
20	QPSK	1	49	22.71	22.75	22.85			
20	QPSK	1	99	22.70	22.76	22.78			
20	QPSK	50	0	21.71	21.82	21.70			
20	QPSK	50	24	21.68	21.73	21.62	23	1	
20	QPSK	50	50	21.69	21.79	21.63			
20	QPSK	100	0	21.67	21.70	21.64			
20	16QAM	1	0	21.57	21.58	21.67			
20	16QAM	1	49	21.52	21.70	21.54	23	1	
20	16QAM	1	99	21.45	21.52	21.44			
20	16QAM	50	0	20.76	20.85	20.75			
20	16QAM	50	24	20.61	20.77	20.64	22	2	
20	16QAM	50	50	20.68	20.78	20.71			
20	16QAM	100	0	20.67	20.74	20.66			
20	64QAM	1	0	20.31	20.43	20.34			
20	64QAM	1	49	20.42	20.53	20.48	22	2	
20	64QAM	1	99	20.48	20.49	20.43			
20	64QAM	50	0	19.84	19.89	19.86			
20	64QAM	50	24	19.81	19.90	19.80	21	3	
20	64QAM	50	50	19.86	19.91	19.78			
20	64QAM	100	0	19.74	19.92	19.82			
Channel				3762.5	3800	3817.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.72	22.78	22.74	24	0	
15	QPSK	1	37	22.62	22.61	22.51			
15	QPSK	1	74	22.80	22.67	22.69			
15	QPSK	38	0	21.59	21.71	21.66			
15	QPSK	38	20	21.56	21.61	21.49	23	1	
15	QPSK	38	39	21.61	21.72	21.51			
15	QPSK	75	0	21.62	21.61	21.55			
15	16QAM	1	0	21.48	21.52	21.83			
15	16QAM	1	37	21.37	21.63	21.45	23	1	
15	16QAM	1	74	21.32	21.41	21.35			
15	16QAM	38	0	20.68	20.75	20.71			
15	16QAM	38	20	20.47	20.71	20.52	22	2	
15	16QAM	38	39	20.53	20.66	20.63			
15	16QAM	75	0	20.53	20.62	20.57			
15	64QAM	1	0	20.27	20.40	20.23			
15	64QAM	1	37	20.34	20.44	20.43	22	2	
15	64QAM	1	74	20.35	20.38	20.28			
15	64QAM	38	0	19.73	19.77	19.78			
15	64QAM	38	20	19.76	19.79	19.74	21	3	
15	64QAM	38	39	19.81	19.87	19.65			
15	64QAM	75	0	19.67	19.85	19.78			
Channel				3790	3800	3820	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572	2595	2615			
10	QPSK	1	0	22.73	22.74	22.74	24	0	
10	QPSK	1	25	22.61	22.67	22.51			
10	QPSK	1	49	22.63	22.69	22.66			
10	QPSK	25	0	21.58	21.74	21.80	23	1	
10	QPSK	25	12	21.52	21.59	21.58			
10	QPSK	25	25	21.63	21.64	21.59			
10	QPSK	50	0	21.83	21.59	21.80			
10	16QAM	1	0	21.43	21.59	21.61	23	1	
10	16QAM	1	25	21.38	21.62	21.50			
10	16QAM	1	49	21.35	21.39	21.40			
10	16QAM	25	0	20.62	20.75	20.64	22	2	
10	16QAM	25	12	20.53	20.74	20.56			
10	16QAM	25	25	20.58	20.73	20.63			
10	16QAM	50	0	20.57	20.60	20.52			
10	64QAM	1	0	20.20	20.34	20.24	22	2	
10	64QAM	1	25	20.27	20.48	20.38			
10	64QAM	1	49	20.34	20.40	20.34			
10	64QAM	25	0	19.75	19.83	19.74			
10	64QAM	25	12	19.71	19.76	19.71	21	3	
10	64QAM	25	25	19.73	19.80	19.67			
10	64QAM	50	0	19.60	19.84	19.77			
Channel				3777.5	3800	3822.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.70	22.61	22.66	24	0	
5	QPSK	1	12	22.58	22.70	22.52			
5	QPSK	1	24	22.60	22.63	22.66			
5	QPSK	12	0	21.67	21.72	21.58	23	1	
5	QPSK	12	7	21.59	21.69	21.48			
5	QPSK	12	13	21.55	21.75	21.59			
5	QPSK	25	0	21.80	21.58	21.53	23	1	
5	16QAM	1	0	21.51	21.53	21.58			
5	16QAM	1	12	21.43	21.55	21.48			
5	16QAM	1	24	21.30	21.49	21.30	22	2	
5	16QAM	12	0	20.71	20.77	20.67			
5	16QAM	12	7	20.48	20.68	20.56			
5	16QAM	12	13	20.55	20.74	20.64			
5	16QAM	25	0	20.61	20.70	20.57	22	2	
5	64QAM	1	0	20.22	20.34	20.30			
5	64QAM	1	12	20.31	20.43	20.38	22	2	
5	64QAM	1	24	20.37	20.44	20.28			
5	64QAM	12	0	19.76	19.76	19.83			
5	64QAM	12	7	19.68	19.84	19.71	21	3	
5	64QAM	12	13	19.78	19.78	19.73			
5	64QAM	25	0	19.66	19.87	19.68			

Band 41 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.81	22.70	22.89	22.77	22.75	24	0
20	QPSK	1	49	22.73	22.74	22.80	22.80	22.76		
20	QPSK	1	99	22.60	22.72	22.78	22.71	22.74		
20	QPSK	50	0	21.80	21.70	21.84	21.67	21.62		
20	QPSK	50	24	21.75	21.71	21.73	21.71	21.75	23	1
20	QPSK	50	50	21.83	21.76	21.76	21.70	21.73		
20	QPSK	100	0	21.76	21.68	21.78	21.72	21.75		
20	16QAM	1	0	21.65	21.67	21.73	21.65	21.72	23	1
20	16QAM	1	49	21.78	21.78	21.75	21.73	21.73		
20	16QAM	1	99	21.79	21.70	21.76	21.71	21.63		
20	16QAM	50	0	20.81	20.69	20.76	20.68	20.65		
20	16QAM	50	24	20.74	20.72	20.77	20.69	20.73	22	2
20	16QAM	50	50	20.74	20.67	20.81	20.70	20.71		
20	16QAM	100	0	20.82	20.63	20.77	20.68	20.76		
20	64QAM	1	0	20.32	20.36	20.51	20.48	20.48		
20	64QAM	1	49	20.52	20.44	20.47	20.44	20.53	22	2
20	64QAM	1	99	20.48	20.37	20.50	20.37	20.38		
20	64QAM	50	0	19.82	19.74	19.92	19.79	19.93		
20	64QAM	50	24	19.96	19.89	19.96	19.81	19.80	21	3
20	64QAM	50	50	19.83	19.81	19.83	19.85	19.86		
20	64QAM	100	0	19.89	19.83	19.85	19.78	19.81		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5		
15	QPSK	1	0	22.66	22.64	22.80	22.71	22.61	24	0
15	QPSK	1	37	22.67	22.68	22.69	22.66	22.66		
15	QPSK	1	74	22.56	22.60	22.62	22.59	22.67		
15	QPSK	38	0	21.72	21.87	21.71	21.65	21.52		
15	QPSK	38	20	21.64	21.82	21.67	21.60	21.60	23	1
15	QPSK	38	39	21.71	21.68	21.65	21.58	21.62		
15	QPSK	75	0	21.66	21.57	21.72	21.63	21.68		
15	16QAM	1	0	21.60	21.62	21.67	21.51	21.65	23	1
15	16QAM	1	37	21.69	21.67	21.63	21.61	21.70		
15	16QAM	1	74	21.72	21.57	21.70	21.66	21.51		
15	16QAM	38	0	20.73	20.55	20.64	20.57	20.57		
15	16QAM	38	20	20.65	20.64	20.63	20.54	20.66	22	2
15	16QAM	38	39	20.62	20.62	20.76				



GSM850 Ant7 Default								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.32	31.38	31.36	32.50	22.32	22.38	22.36	23.50
GPRS 1 Tx slot	31.31	31.35	31.22	32.50	22.31	22.35	22.22	23.50
GPRS 2 Tx slots	30.35	30.42	30.36	31.50	24.35	24.42	24.36	25.50
GPRS 3 Tx slots	28.53	28.61	28.51	29.50	24.27	24.35	24.25	25.24
GPRS 4 Tx slots	27.36	27.47	27.34	28.50	24.36	24.47	24.34	25.50
EDGE 1 Tx slot	25.68	25.78	25.74	26.50	16.68	16.78	16.74	17.50
EDGE 2 Tx slots	24.59	24.73	24.59	25.50	18.59	18.73	18.59	19.50
EDGE 3 Tx slots	22.53	22.63	22.58	23.50	18.27	18.37	18.32	19.24
EDGE 4 Tx slots	21.30	21.38	21.34	22.50	18.30	18.38	18.34	19.50

GSM1900 Ant7 Default								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.80	26.88	26.82	28.50	17.80	17.88	17.82	19.50
GPRS 1 Tx slot	26.73	26.83	26.76	28.50	17.73	17.83	17.76	19.50
GPRS 2 Tx slots	26.09	26.21	26.15	27.50	20.09	20.21	20.15	21.50
GPRS 3 Tx slots	24.35	24.48	24.38	26.00	20.09	20.22	20.12	21.74
GPRS 4 Tx slots	23.33	23.45	23.37	25.00	20.33	20.45	20.37	22.00
EDGE 1 Tx slot	23.28	23.43	23.25	25.00	14.28	14.43	14.25	16.00
EDGE 2 Tx slots	22.31	22.42	22.29	24.00	16.31	16.42	16.29	18.00
EDGE 3 Tx slots	20.21	20.34	20.28	22.00	15.95	16.08	16.00	17.74
EDGE 4 Tx slots	18.97	19.04	18.94	20.50	15.97	16.04	15.94	17.50

Band	WCDMA II Ant7 Default			Tune-up Limit (dBm)	WCDMA IV Ant7 Default			Tune-up Limit (dBm)	WCDMA V Ant7 Default			Tune-up Limit (dBm)	
	WCDMA II	WCDMA II	WCDMA II		WCDMA IV	WCDMA IV	WCDMA IV		WCDMA V	WCDMA V	WCDMA V		
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	20.70	20.75	20.67	22.00	20.85	21.11	21.07	22.00	21.50	21.68	21.65	23.00
3GPP Rel 99	RMC 12.2Kbps	20.77	20.80	20.73	22.00	20.99	21.19	21.14	22.00	21.59	21.75	21.68	23.00
3GPP Rel 6	HSDPA Subtest-1	19.82	20.00	19.78	21.00	20.08	20.21	20.02	21.00	20.71	20.85	20.81	22.00
3GPP Rel 6	HSDPA Subtest-2	19.72	19.76	19.69	21.00	19.99	20.01	19.99	21.00	20.62	20.60	20.54	22.00
3GPP Rel 6	HSDPA Subtest-3	19.10	19.22	19.05	20.50	19.38	19.46	19.33	20.50	19.98	20.09	19.96	21.50
3GPP Rel 6	HSDPA Subtest-4	19.33	19.37	19.35	20.50	19.66	19.56	19.60	20.50	20.19	20.16	20.15	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.79	19.81	19.77	21.00	20.01	20.09	20.09	21.00	20.65	20.73	20.68	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.63	19.66	19.62	21.00	19.91	19.97	19.83	21.00	20.46	20.51	20.45	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.88	19.09	18.97	20.50	19.21	19.39	19.21	20.50	19.86	19.99	19.79	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.12	19.09	19.03	20.50	19.31	19.49	19.29	20.50	19.93	20.04	19.93	21.50
3GPP Rel 6	HSUPA Subtest-1	19.75	19.95	19.67	21.00	20.06	20.19	19.99	21.00	20.65	20.76	20.60	22.00
3GPP Rel 6	HSUPA Subtest-2	17.73	18.01	17.87	19.00	18.02	18.18	18.19	19.00	18.66	18.82	18.80	20.00
3GPP Rel 6	HSUPA Subtest-3	18.86	19.03	18.98	20.00	18.99	19.26	19.23	20.00	19.64	19.86	19.82	21.00
3GPP Rel 6	HSUPA Subtest-4	17.75	17.87	17.67	19.00	17.99	18.16	17.93	19.00	18.64	18.73	18.55	20.00
3GPP Rel 6	HSUPA Subtest-5	19.56	19.68	19.70	21.00	19.98	20.02	19.94	21.00	20.51	20.64	20.55	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.29	17.43	17.35	18.50	17.61	17.74	17.55	18.50	18.17	18.28	18.17	19.50



Band 2 Ant7 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1870	1890	1910		
20	QPSK	1	0	20.49	20.55	20.40					
20	QPSK	1	49	20.47	20.51	20.36		22	0		
20	QPSK	1	99	20.26	20.39	20.30					
20	QPSK	50	0	19.42	19.54	19.41					
20	QPSK	50	24	19.41	19.50	19.42		21	1		
20	QPSK	50	50	19.34	19.42	19.30					
20	QPSK	100	0	19.33	19.45	19.31					
20	16QAM	1	0	19.22	19.34	19.27					
20	16QAM	1	49	19.20	19.36	19.26		21	1		
20	16QAM	1	99	19.22	19.31	19.26					
20	16QAM	50	0	18.39	18.46	18.32					
20	16QAM	50	24	18.44	18.51	18.46					
20	16QAM	50	50	18.36	18.40	18.25		20	2		
20	16QAM	100	0	18.39	18.42	18.30					
20	64QAM	1	0	18.53	18.64	18.56					
20	64QAM	1	49	18.47	18.60	18.49		20	2		
20	64QAM	1	99	18.35	18.49	18.37					
20	64QAM	50	0	17.58	17.64	17.57					
20	64QAM	50	24	17.55	17.65	17.50					
20	64QAM	50	50	17.43	17.50	17.44		19	3		
20	64QAM	100	0	17.51	17.60	17.50					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1867.5	1890	1912.5		
15	QPSK	1	0	20.42	20.47	20.29					
15	QPSK	1	37	20.43	20.43	20.22		22	0		
15	QPSK	1	74	20.12	20.27	20.24					
15	QPSK	36	0	19.32	19.45	19.32					
15	QPSK	36	20	19.30	19.38	19.32					
15	QPSK	36	39	19.26	19.35	19.21		21	1		
15	QPSK	75	0	19.22	19.36	19.19					
15	16QAM	1	0	19.22	19.34	19.21					
15	16QAM	1	37	19.23	19.24	19.15		21	1		
15	16QAM	1	74	19.17	19.20	19.13					
15	16QAM	36	0	18.34	18.41	18.28					
15	16QAM	36	20	18.40	18.42	18.34					
15	16QAM	36	39	18.32	18.37	18.18		20	2		
15	16QAM	75	0	18.31	18.27	18.19					
15	64QAM	1	0	18.38	18.49	18.50					
15	64QAM	1	37	18.35	18.52	18.36		20	2		
15	64QAM	1	74	18.21	18.40	18.23					
15	64QAM	36	0	17.48	17.58	17.53					
15	64QAM	36	20	17.49	17.67	17.44					
15	64QAM	36	39	17.33	17.45	17.38		19	3		
15	64QAM	75	0	17.38	17.56	17.41					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1855	1880	1905		
10	QPSK	1	0	20.35	20.45	20.29					
10	QPSK	1	25	20.41	20.40	20.21		22	0		
10	QPSK	1	49	20.11	20.28	20.17					
10	QPSK	25	0	19.28	19.46	19.29					
10	QPSK	25	12	19.36	19.39	19.31		21	1		
10	QPSK	25	25	19.20	19.31	19.22					
10	QPSK	50	0	19.32	19.40	19.17					
10	16QAM	1	0	19.17	19.26	19.18					
10	16QAM	1	25	19.26	19.33	19.21		21	1		
10	16QAM	1	49	19.07	19.20	19.14					
10	16QAM	25	0	18.36	18.34	18.28					
10	16QAM	25	12	18.35	18.43	18.33		20	2		
10	16QAM	25	25	18.23	18.32	18.19					
10	16QAM	50	0	18.28	18.37	18.20					
10	64QAM	1	0	18.41	18.58	18.41					
10	64QAM	1	25	18.37	18.46	18.41		20	2		
10	64QAM	1	49	18.21	18.34	18.33					
10	64QAM	25	0	17.44	17.53	17.47					
10	64QAM	25	12	17.42	17.53	17.41					
10	64QAM	25	25	17.34	17.48	17.46		19	3		
10	64QAM	50	0	17.41	17.49	17.34					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1852.5	1880	1907.5		
5	QPSK	1	0	20.41	20.52	20.36					
5	QPSK	1	12	20.38	20.47	20.33		22	0		
5	QPSK	1	24	20.11	20.26	20.23					
5	QPSK	12	0	19.36	19.44	19.28					
5	QPSK	12	7	19.32	19.40	19.27					
5	QPSK	12	13	19.19	19.38	19.15		21	1		
5	QPSK	25	0	19.25	19.37	19.19					
5	16QAM	1	0	19.14	19.30	19.16					
5	16QAM	1	12	19.19	19.30	19.12		21	1		
5	16QAM	1	24	19.18	19.20	19.17					
5	16QAM	12	0	18.35	18.39	18.21					
5	16QAM	12	7	18.39	18.38	18.38					
5	16QAM	12	13	18.27	18.30	18.15		20	2		
5	16QAM	25	0	18.33	18.27	18.26					
5	64QAM	1	0	18.34	18.54	18.46					
5	64QAM	1	12	18.39	18.54	18.37		20	2		
5	64QAM	1	24	18.20	18.36	18.26					
5	64QAM	12	0	17.48	17.52	17.48					
5	64QAM	12	7	17.50	17.50	17.39					
5	64QAM	12	13	17.39	17.46	17.37		19	3		
5	64QAM	25	0	17.44	17.48	17.36					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1851.5	1880	1906.5		
3	QPSK	1	0	20.43	20.50	20.28					
3	QPSK	1	8	20.42	20.37	20.21		22	0		
3	QPSK	1	14	20.17	20.31	20.21					
3	QPSK	8	0	19.31	19.39	19.32					
3	QPSK	8	4	19.36	19.40	19.29					
3	QPSK	8	7	19.19	19.32	19.15		21	1		
3	QPSK	15	0	19.25	19.33	19.21					
3	16QAM	1	0	19.17	19.28	19.22					
3	16QAM	1	8	19.25	19.24	19.20		21	1		
3	16QAM	1	14	19.11	19.18	19.22					
3	16QAM	8	0	18.24	18.37	18.20					
3	16QAM	8	4	18.29	18.43	18.32		20	2		
3	16QAM	8	7	18.28	18.33	18.22					
3	16QAM	15	0	18.25	18.29	18.17					
3	64QAM	1	0	18.47	18.53	18.47					
3	64QAM	1	8	18.39	18.53	18.42		20	2		
3	64QAM	1	14	18.30	18.44	18.27					
3	64QAM	8	0	17.55	17.49	17.43					
3	64QAM	8	4	17.49	17.62	17.43		19	3		
3	64QAM	8	7	17.37	17.49	17.43					
3	64QAM	15	0	17.45	17.47	17.43					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							18607	18900	19193		
1.4	QPSK	1	0	20.37	20.45	20.37					
1.4	QPSK	1	3	20.40	20.39	20.24		22	0		
1.4	QPSK	1	6	20.12	20.32	20.20					
1.4	QPSK	3	0	20.35	20.41	20.35					
1.4	QPSK	3	1	20.38	20.38	20.27					
1.4	QPSK	3	3	20.23	20.35	20.25					
1.4	QPSK	6	0	19.29	19.51	19.32		21	1		
1.4	16QAM	1	0	19.34	19.38	19.31					
1.4	16QAM	1	3	19.20	19.39	19.22					
1.4	16QAM	1	5	19.26	19.36	19.26					
1.4	16QAM	3	0	19.12	19.25	19.20		21	1		
1.4	16QAM	3	1	19.27	19.23	19.21					
1.4	16QAM	3	3	19.18	19.20	19.18					
1.4	16QAM	6	0	18.30	18.40	18.27		20	2		
1.4	64QAM	1	0	18.35	18.38	18.38					
1.4	64QAM	1	3	18.23	18.28	18.16					
1.4	64QAM	1	5	18.24	18.37	18.24		20	2		
1.4	64QAM	3	0	18.44	18.59	18.44					
1.4	64QAM	3	1	18.34	18.45	18.39					
1.4	64QAM	3	3	18.31	18.46	18.34					
1.4	64QAM	6	0	17.52	17.59	17.39		19	3		

Band 4 Ant7 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							2050	2075	20300		
20	QPSK	1	0	20.31	20.39	20.36					
20	QPSK	1	49	20.29	20.35	20.21		22	0		
20	QPSK	1	99	20.14	20.20	20.15					
20	QPSK	50	0	19.34	19.38	19.25					
20	QPSK	50	24	19.26	19.37	19.24		21	1		
20	QPSK	50	50	19.28	19.32	19.29					
20	QPSK	100	0	19.30	19.34	19.25					
20	16QAM	1	0	19.26	19.31	19.20					
20	16QAM	1	49	19.21	19.26	19.14		21	1		
20	16QAM	1	99	19.23	19.29	19.24					
20	16QAM	50	0	18.45	18.51	18.44					
20	16QAM	50	24	18.37	18.50	18.39					
20	16QAM	50	50	18.41	18.47	18.43		20	2		
20	1										



Reduced Power for DS12 for Main PA

GSM850 Ant1 Default								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	169	251		128	169	251	
TX Channel	924.2	935.4	946.6	904.2	934.4	945.6		
Frequency (MHz)	32.87	32.91	32.84	33.50	23.87	23.91	23.84	24.50
GSM 1 Tx slot	32.76	32.82	32.70	33.50	23.76	23.82	23.70	24.50
GPRS 2 Tx slots	31.81	31.87	31.73	32.50	25.81	25.87	25.73	26.50
GPRS 3 Tx slots	29.99	30.09	29.98	31.00	25.73	25.83	25.72	26.74
GPRS 4 Tx slots	28.87	28.98	28.87	30.00	25.87	25.98	25.87	27.00
EDGE 1 Tx slot	27.19	27.24	27.20	26.50	18.19	18.24	18.20	19.50
EDGE 2 Tx slots	26.06	26.18	26.06	27.50	20.06	20.18	20.06	21.50
EDGE 3 Tx slots	24.06	24.20	24.10	25.50	19.80	19.94	19.84	21.24
EDGE 4 Tx slots	22.74	22.86	22.82	24.00	19.74	19.86	19.82	21.00

GSM1900 Ant1 Default								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	651	810		512	651	810	
TX Channel	1850.2	1880	1909.8	1550.2	1880	1909.8		
Frequency (MHz)	29.12	29.19	29.02	30.50	20.12	20.19	20.02	21.50
GSM 1 Tx slot	29.07	29.09	29.00	30.50	20.07	20.09	20.00	21.50
GPRS 2 Tx slots	28.35	28.41	28.28	29.50	22.35	22.41	22.28	23.50
GPRS 3 Tx slots	26.69	26.71	26.62	28.00	22.43	22.45	22.36	23.74
GPRS 4 Tx slots	25.61	25.69	25.67	27.00	22.61	22.69	22.67	24.00
EDGE 1 Tx slot	25.53	25.61	25.58	27.00	16.53	16.61	16.58	18.00
EDGE 2 Tx slots	24.50	24.66	24.55	26.00	18.50	18.66	18.55	20.00
EDGE 3 Tx slots	22.47	22.55	22.40	24.00	18.21	18.29	18.14	19.74
EDGE 4 Tx slots	21.11	21.20	21.17	22.50	18.11	18.20	18.17	19.50

Band	WCDMA II Ant1 Default			Tune-up Limit (dBm)	WCDMA IV Ant1 Default			WCDMA V Ant1 Default			Tune-up Limit (dBm)		
	9262	9400	9538		1312	1413	1513	4132	4182	4233			
TX Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458				
Rx Channel	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
Frequency (MHz)	23.05	23.20	23.09	24.00	22.90	23.13	23.01	24.00	22.92	23.06	22.97	24.00	
3GPP Rel 99	AMR 12.2Kbps	23.10	23.23	23.20	24.00	23.00	23.17	23.08	24.00	23.03	23.12	23.10	24.00
3GPP Rel 99	RMC 12.2Kbps	22.17	22.23	22.13	23.00	22.05	22.19	22.02	23.00	22.05	22.16	22.05	23.00
3GPP Rel 6	HSDPA Subtest-1	22.02	22.07	22.14	23.00	21.95	22.03	22.09	23.00	21.90	21.96	21.97	23.00
3GPP Rel 6	HSDPA Subtest-2	21.55	21.63	21.46	22.50	21.41	21.50	21.32	22.50	21.40	21.54	21.36	22.50
3GPP Rel 6	HSDPA Subtest-3	21.68	21.69	21.53	22.50	21.60	21.66	21.48	22.50	21.55	21.58	21.43	22.50
3GPP Rel 6	HSDPA Subtest-4	22.33	22.22	22.08	23.00	22.28	22.09	21.97	23.00	22.16	22.10	22.02	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.87	22.09	21.91	23.00	21.79	22.02	21.79	23.00	21.77	21.96	21.84	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.48	21.40	21.33	22.50	21.37	21.26	21.28	22.50	21.33	21.33	21.18	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.49	21.61	21.47	22.50	21.38	21.48	21.35	22.50	21.33	21.45	21.40	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.31	22.39	22.00	23.00	22.26	22.33	21.94	23.00	22.16	22.22	21.94	23.00
3GPP Rel 6	HSUPA Subtest-1	20.10	20.31	20.26	21.00	19.99	20.26	20.13	21.00	20.04	20.24	20.17	21.00
3GPP Rel 6	HSUPA Subtest-2	21.29	21.30	21.14	22.00	21.22	21.21	21.07	22.00	21.18	21.14	21.01	22.00
3GPP Rel 6	HSUPA Subtest-3	20.14	20.09	20.12	21.00	20.00	20.06	20.07	21.00	20.07	19.95	19.96	21.00
3GPP Rel 6	HSUPA Subtest-4	22.08	22.05	22.00	23.00	22.05	21.99	21.88	23.00	21.93	21.90	21.85	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.56	19.73	19.64	20.50	19.45	19.65	19.59	20.50	19.43	19.62	19.48	20.50



Band 2 Ant1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.49	22.50	22.43				
20	QPSK	1	49	22.43	22.50	22.43	24	0		
20	QPSK	1	99	22.23	22.39	22.23				
20	QPSK	50	0	21.46	21.58	21.42				
20	QPSK	50	24	21.49	21.57	21.43	23	1		
20	QPSK	50	50	21.27	21.46	21.24				
20	QPSK	100	0	21.28	21.41	21.31				
20	16QAM	1	0	21.38	21.44	21.31				
20	16QAM	1	49	21.32	21.42	21.28	23	1		
20	16QAM	1	99	21.32	21.43	21.28				
20	16QAM	50	0	20.38	20.51	20.41				
20	16QAM	50	24	20.41	20.53	20.46				
20	16QAM	50	50	20.33	20.47	20.27	22	2		
20	16QAM	100	0	20.27	20.48	20.24				
20	64QAM	1	0	20.47	20.53	20.46				
20	64QAM	1	49	20.55	20.63	20.57	22	2		
20	64QAM	1	99	20.36	20.45	20.36				
20	64QAM	50	0	19.45	19.62	19.57				
20	64QAM	50	24	19.56	19.85	19.52				
20	64QAM	50	50	19.58	19.85	19.48	21	3		
20	64QAM	100	0	19.55	19.60	19.53				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.45	22.49	22.38				
15	QPSK	1	37	22.34	22.40	22.38	24	0		
15	QPSK	1	74	22.15	22.36	22.23				
15	QPSK	36	0	21.34	21.48	21.37				
15	QPSK	36	20	21.44	21.47	21.39				
15	QPSK	36	39	21.14	21.42	21.10	23	1		
15	QPSK	75	0	21.14	21.30	21.18				
15	16QAM	1	0	21.20	21.32	21.12				
15	16QAM	1	37	21.29	21.32	21.17	23	1		
15	16QAM	1	74	21.17	21.31	21.07				
15	16QAM	36	0	20.27	20.43	20.27				
15	16QAM	36	20	20.35	20.40	20.33				
15	16QAM	36	39	20.25	20.44	20.20	22	2		
15	16QAM	75	0	20.21	20.37	20.20				
15	64QAM	1	0	20.34	20.45	20.41				
15	64QAM	1	37	20.42	20.48	20.49	22	2		
15	64QAM	1	74	20.23	20.36	20.24				
15	64QAM	36	0	19.54	19.55	19.53				
15	64QAM	36	20	19.46	19.68	19.47	21	3		
15	64QAM	36	39	19.37	19.49	19.45				
15	64QAM	75	0	19.52	19.46	19.44				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.34	22.43	22.29				
10	QPSK	1	25	22.35	22.42	22.31	24	0		
10	QPSK	1	49	22.09	22.26	22.22				
10	QPSK	25	0	21.36	21.45	21.34				
10	QPSK	25	12	21.39	21.50	21.37				
10	QPSK	25	25	21.15	21.42	21.19	23	1		
10	QPSK	50	0	21.33	21.33	21.22				
10	16QAM	1	0	21.27	21.35	21.09				
10	16QAM	1	25	21.18	21.31	21.19	23	1		
10	16QAM	1	49	21.26	21.32	21.20				
10	16QAM	25	0	20.31	20.48	20.36				
10	16QAM	25	12	20.38	20.39	20.38				
10	16QAM	25	25	20.18	20.42	20.17	22	2		
10	16QAM	50	0	20.13	20.44	20.18				
10	64QAM	1	0	20.40	20.47	20.37				
10	64QAM	1	25	20.42	20.57	20.47	22	2		
10	64QAM	1	49	20.32	20.39	20.29				
10	64QAM	25	0	19.39	19.48	19.51				
10	64QAM	25	12	19.42	19.57	19.42				
10	64QAM	25	25	19.41	19.42	19.43	21	3		
10	64QAM	50	0	19.43	19.46	19.48				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.42	22.52	22.31				
5	QPSK	1	12	22.32	22.36	22.35	24	0		
5	QPSK	1	24	22.19	22.27	22.17				
5	QPSK	12	0	21.40	21.55	21.28				
5	QPSK	12	7	21.25	21.45	21.33				
5	QPSK	12	13	21.20	21.38	21.15	23	1		
5	QPSK	25	0	21.17	21.29	21.17				
5	16QAM	1	0	21.33	21.32	21.09				
5	16QAM	1	12	21.26	21.38	21.17	23	1		
5	16QAM	1	24	21.20	21.36	21.24				
5	16QAM	12	0	20.23	20.41	20.37				
5	16QAM	12	7	20.27	20.48	20.38				
5	16QAM	12	13	20.24	20.37	20.21	22	2		
5	16QAM	25	0	20.20	20.40	20.18				
5	64QAM	1	0	20.27	20.39	20.41				
5	64QAM	1	12	20.47	20.49	20.52	22	2		
5	64QAM	1	24	20.24	20.31	20.29				
5	64QAM	12	0	19.37	19.52	19.51				
5	64QAM	12	7	19.52	19.55	19.41	21	3		
5	64QAM	12	13	19.37	19.37	19.44				
5	64QAM	25	0	19.43	19.49	19.48				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.36	22.50	22.40				
3	QPSK	1	8	22.39	22.41	22.39	24	0		
3	QPSK	1	14	22.10	22.35	22.16				
3	QPSK	8	0	21.32	21.38	21.37				
3	QPSK	8	4	21.37	21.51	21.37				
3	QPSK	8	7	21.12	21.38	21.12	23	1		
3	QPSK	15	0	21.20	21.38	21.21				
3	16QAM	1	0	21.26	21.38	21.18				
3	16QAM	1	8	21.26	21.34	21.13				
3	16QAM	1	14	21.24	21.41	21.24	23	1		
3	16QAM	8	0	20.34	20.47	20.37				
3	16QAM	8	4	20.37	20.45	20.40				
3	16QAM	8	7	20.24	20.37	20.12	22	2		
3	16QAM	15	0	20.24	20.43	20.15				
3	64QAM	1	0	20.38	20.38	20.33				
3	64QAM	1	8	20.46	20.56	20.48				
3	64QAM	1	14	20.27	20.41	20.23	22	2		
3	64QAM	8	0	19.35	19.50	19.44				
3	64QAM	8	4	19.47	19.54	19.46				
3	64QAM	8	7	19.39	19.47	19.38	21	3		
3	64QAM	15	0	19.44	19.48	19.39				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.37	22.40	22.28				
1.4	QPSK	1	3	22.28	22.38	22.23				
1.4	QPSK	1	5	22.15	22.31	22.17	24	0		
1.4	QPSK	3	0	22.14	22.36	22.24				
1.4	QPSK	3	1	22.33	22.39	22.27				
1.4	QPSK	3	3	22.14	22.38	22.33				
1.4	QPSK	6	0	21.34	21.49	21.35	23	1		
1.4	16QAM	1	0	21.42	21.44	21.39				
1.4	16QAM	1	3	21.31	21.37	21.26				
1.4	16QAM	1	5	21.19	21.35	21.33				
1.4	16QAM	3	0	21.27	21.27	21.14	23	1		
1.4	16QAM	3	1	21.12	21.16	21.24				
1.4	16QAM	3	3	21.18	21.36	21.29				
1.4	16QAM	6	0	20.33	20.38	20.32	22	2		
1.4	64QAM	1	0	20.37	20.52	20.34				
1.4	64QAM	1	3	20.36	20.30	20.19				
1.4	64QAM	1	5	20.26	20.35	20.15	22	2		
1.4	64QAM	3	0	20.45	20.50	20.37				
1.4	64QAM	3	1	20.47	20.42	20.53				
1.4	64QAM	3	3	20.22	20.37	20.27				
1.4	64QAM	6	0	19.48	19.54	19.52	21	3		

Band 4 Ant1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.					





Band 7 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.90	22.99	22.94			
20	QPSK	1	49	22.88	22.89	22.87	24	0	
20	QPSK	1	99	22.85	22.91	22.81			
20	QPSK	50	0	21.84	22.04	21.96			
20	QPSK	50	24	21.85	21.99	21.86	23	1	
20	QPSK	50	50	21.75	21.88	21.85			
20	QPSK	100	0	21.78	21.92	21.90			
20	16QAM	1	0	21.76	21.85	21.80			
20	16QAM	1	49	21.83	21.87	21.83	23	1	
20	16QAM	1	99	21.71	21.81	21.68			
20	16QAM	50	0	20.74	20.83	20.80			
20	16QAM	50	24	20.82	20.88	20.78	22	2	
20	16QAM	50	50	20.93	20.96	20.91			
20	16QAM	100	0	20.84	20.90	20.80			
20	64QAM	1	0	20.75	20.83	20.80			
20	64QAM	1	49	21.06	21.06	21.03	22	2	
20	64QAM	1	99	20.82	21.00	20.94			
20	64QAM	50	0	19.96	20.03	20.01			
20	64QAM	50	24	20.03	20.11	20.02	21	3	
20	64QAM	50	50	20.03	20.17	20.12			
20	64QAM	100	0	19.86	19.97	19.92			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.86	22.93	22.89			
15	QPSK	1	37	22.78	22.85	22.79	24	0	
15	QPSK	1	74	22.75	22.79	22.71			
15	QPSK	36	0	21.71	21.99	21.86			
15	QPSK	36	20	21.78	21.94	21.77	23	1	
15	QPSK	36	39	21.64	21.74	21.82			
15	QPSK	75	0	21.72	21.79	21.81			
15	16QAM	1	0	21.71	21.81	21.72			
15	16QAM	1	37	21.68	21.78	21.78	23	1	
15	16QAM	1	74	21.64	21.72	21.62			
15	16QAM	36	0	20.60	20.69	20.68			
15	16QAM	36	20	20.67	20.85	20.64	22	2	
15	16QAM	36	39	20.86	20.82	20.75			
15	16QAM	75	0	20.74	20.77	20.76			
15	64QAM	1	0	20.81	20.71	20.67			
15	64QAM	1	37	21.01	20.93	20.96	22	2	
15	64QAM	1	74	20.78	20.87	20.91			
15	64QAM	36	0	19.93	19.96	19.96			
15	64QAM	36	20	19.88	20.03	19.99	21	3	
15	64QAM	36	39	19.98	20.05	19.98			
15	64QAM	75	0	19.75	19.91	19.84			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.82	22.88	22.82			
10	QPSK	1	25	22.75	22.85	22.80	24	0	
10	QPSK	1	49	22.76	22.85	22.75			
10	QPSK	25	0	21.73	21.98	21.84			
10	QPSK	25	12	21.74	21.86	21.81	23	1	
10	QPSK	25	25	21.67	21.76	21.78			
10	QPSK	50	0	21.69	21.80	21.86			
10	16QAM	1	0	21.64	21.79	21.67			
10	16QAM	1	25	21.70	21.75	21.71	23	1	
10	16QAM	1	49	21.64	21.66	21.54			
10	16QAM	25	0	20.69	20.74	20.66			
10	16QAM	25	12	20.78	20.80	20.69	22	2	
10	16QAM	25	25	20.86	20.84	20.77			
10	16QAM	50	0	20.78	20.86	20.65			
10	64QAM	1	0	20.64	20.79	20.68			
10	64QAM	1	25	20.82	20.95	20.96	22	2	
10	64QAM	1	49	20.80	20.95	20.84			
10	64QAM	25	0	19.83	19.92	19.87			
10	64QAM	25	12	19.91	20.01	19.88	21	3	
10	64QAM	25	25	19.89	20.10	20.07			
10	64QAM	50	0	19.81	19.87	19.88			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.87	22.84	22.85			
5	QPSK	1	12	22.83	22.82	22.77	24	0	
5	QPSK	1	24	22.72	22.84	22.67			
5	QPSK	12	0	21.78	21.96	21.83			
5	QPSK	12	7	21.73	21.88	21.77	23	1	
5	QPSK	12	13	21.71	21.82	21.72			
5	QPSK	25	0	21.84	21.89	21.76			
5	16QAM	1	0	21.72	21.71	21.72			
5	16QAM	1	12	21.72	21.75	21.73	23	1	
5	16QAM	1	24	21.64	21.72	21.61			
5	16QAM	12	0	20.86	20.88	20.70			
5	16QAM	12	7	20.73	20.85	20.73	22	2	
5	16QAM	12	13	20.88	20.86	20.75			
5	16QAM	25	0	20.77	20.84	20.73			
5	64QAM	1	0	20.67	20.75	20.77			
5	64QAM	1	12	20.83	20.92	20.92	22	2	
5	64QAM	1	24	20.87	20.88	20.81			
5	64QAM	12	0	19.87	19.97	19.86			
5	64QAM	12	7	19.93	20.07	19.99	21	3	
5	64QAM	12	13	19.99	20.06	20.08			
5	64QAM	25	0	19.73	19.91	19.80			



Band 38 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3800	3815				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.82	22.87	22.78	24	0		
20	QPSK	1	49	22.71	22.75	22.85				
20	QPSK	1	99	22.70	22.76	22.78				
20	QPSK	50	0	21.71	21.82	21.70				
20	QPSK	50	24	21.68	21.73	21.62	23	1		
20	QPSK	50	50	21.69	21.79	21.63				
20	QPSK	100	0	21.67	21.70	21.64				
20	16QAM	1	0	21.57	21.58	21.67				
20	16QAM	1	49	21.52	21.70	21.54	23	1		
20	16QAM	1	99	21.45	21.52	21.44				
20	16QAM	50	0	20.76	20.85	20.75				
20	16QAM	50	24	20.61	20.77	20.64				
20	16QAM	50	50	20.68	20.78	20.71	22	2		
20	16QAM	100	0	20.67	20.74	20.66				
20	64QAM	1	0	20.31	20.43	20.34				
20	64QAM	1	49	20.42	20.53	20.48	22	2		
20	64QAM	1	99	20.48	20.49	20.43				
20	64QAM	50	0	19.84	19.89	19.86				
20	64QAM	50	24	19.81	19.90	19.80	21	3		
20	64QAM	50	50	19.86	19.91	19.78				
20	64QAM	100	0	19.74	19.92	19.82				
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.72	22.78	22.74	24	0		
15	QPSK	1	37	22.62	22.61	22.51				
15	QPSK	1	74	22.80	22.87	22.89				
15	QPSK	38	0	21.59	21.71	21.66				
15	QPSK	38	20	21.56	21.61	21.49	23	1		
15	QPSK	38	39	21.61	21.72	21.51				
15	QPSK	75	0	21.62	21.61	21.55				
15	16QAM	1	0	21.48	21.52	21.83				
15	16QAM	1	37	21.37	21.63	21.45	23	1		
15	16QAM	1	74	21.32	21.41	21.35				
15	16QAM	38	0	20.68	20.75	20.71				
15	16QAM	38	20	20.47	20.71	20.52	22	2		
15	16QAM	38	39	20.53	20.66	20.63				
15	16QAM	75	0	20.53	20.62	20.57				
15	64QAM	1	0	20.27	20.40	20.23				
15	64QAM	1	37	20.34	20.44	20.43	22	2		
15	64QAM	1	74	20.35	20.38	20.28				
15	64QAM	38	0	19.73	19.77	19.78				
15	64QAM	38	20	19.76	19.79	19.74	21	3		
15	64QAM	38	39	19.81	19.87	19.65				
15	64QAM	75	0	19.67	19.85	19.78				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2615				
10	QPSK	1	0	22.73	22.74	22.74	24	0		
10	QPSK	1	25	22.61	22.67	22.51				
10	QPSK	1	49	22.63	22.69	22.66				
10	QPSK	25	0	21.58	21.74	21.80				
10	QPSK	25	12	21.52	21.59	21.58	23	1		
10	QPSK	25	25	21.63	21.64	21.59				
10	QPSK	50	0	21.83	21.59	21.80				
10	16QAM	1	0	21.43	21.59	21.61				
10	16QAM	1	25	21.38	21.62	21.50	23	1		
10	16QAM	1	49	21.35	21.39	21.40				
10	16QAM	25	0	20.62	20.75	20.64				
10	16QAM	25	12	20.53	20.74	20.56	22	2		
10	16QAM	25	25	20.58	20.73	20.63				
10	16QAM	50	0	20.57	20.60	20.52				
10	64QAM	1	0	20.20	20.34	20.24				
10	64QAM	1	25	20.27	20.48	20.38	22	2		
10	64QAM	1	49	20.34	20.40	20.34				
10	64QAM	25	0	19.75	19.83	19.74				
10	64QAM	25	12	19.71	19.76	19.71	21	3		
10	64QAM	25	25	19.73	19.80	19.67				
10	64QAM	50	0	19.60	19.84	19.77				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.70	22.81	22.88	24	0		
5	QPSK	1	12	22.58	22.70	22.52				
5	QPSK	1	24	22.60	22.63	22.66				
5	QPSK	12	0	21.67	21.72	21.58				
5	QPSK	12	7	21.59	21.69	21.48	23	1		
5	QPSK	12	13	21.55	21.75	21.59				
5	QPSK	25	0	21.80	21.58	21.53				
5	16QAM	1	0	21.51	21.53	21.58				
5	16QAM	1	12	21.43	21.55	21.48	23	1		
5	16QAM	1	24	21.30	21.49	21.30				
5	16QAM	12	0	20.71	20.77	20.67				
5	16QAM	12	7	20.48	20.68	20.56	22	2		
5	16QAM	12	13	20.55	20.74	20.64				
5	16QAM	25	0	20.61	20.70	20.57				
5	64QAM	1	0	20.22	20.34	20.30				
5	64QAM	1	12	20.31	20.43	20.38	22	2		
5	64QAM	1	24	20.37	20.44	20.28				
5	64QAM	12	0	19.76	19.76	19.83				
5	64QAM	12	7	19.68	19.84	19.71	21	3		
5	64QAM	12	13	19.78	19.78	19.73				
5	64QAM	25	0	19.66	19.87	19.68				

Band 41 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.81	22.70	22.89	22.77	22.75	24	0
20	QPSK	1	49	22.73	22.74	22.80	22.80	22.76		
20	QPSK	1	99	22.80	22.72	22.78	22.71	22.74		
20	QPSK	50	0	21.80	21.70	21.84	21.67	21.62		
20	QPSK	50	24	21.75	21.71	21.73	21.71	21.75	23	1
20	QPSK	50	50	21.83	21.76	21.76	21.70	21.73		
20	QPSK	100	0	21.76	21.68	21.78	21.72	21.75		
20	16QAM	1	0	21.65	21.67	21.73	21.65	21.72	23	1
20	16QAM	1	49	21.78	21.78	21.78	21.73	21.73		
20	16QAM	1	99	21.79	21.70	21.78	21.71	21.63		
20	16QAM	50	0	20.81	20.69	20.76	20.68	20.65		
20	16QAM	50	24	20.74	20.72	20.77	20.69	20.73	22	2
20	16QAM	50	50	20.74	20.67	20.81	20.70	20.71		
20	16QAM	100	0	20.82	20.63	20.77	20.68	20.76		
20	64QAM	1	0	20.32	20.36	20.51	20.48	20.48		
20	64QAM	1	49	20.52	20.44	20.47	20.44	20.53	22	2
20	64QAM	1	99	20.48	20.37	20.50	20.37	20.38		
20	64QAM	50	0	19.82	19.74	19.92	19.79	19.93		
20	64QAM	50	24	19.96	19.89	19.96	19.81	19.80	21	3
20	64QAM	50	50	19.83	19.81	19.83	19.85	19.86		
20	64QAM	100	0	19.89	19.83	19.85	19.78	19.81		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5		
15	QPSK	1	0	22.86	22.64	22.80	22.71	22.61	24	0
15	QPSK	1	37	22.67	22.68	22.69	22.66	22.66		
15	QPSK	1	74	22.56	22.60	22.62	22.59	22.67		
15	QPSK	38	0	21.72	21.87	21.71	21.65	21.52		
15	QPSK	38	20	21.64	21.82	21.67	21.60	21.60	23	1
15	QPSK	38	39	21.71	21.68	21.65	21.58	21.62		
15	QPSK	75	0	21.66	21.57	21.72	21.63	21.68		
15	16QAM	1	0	21.60	21.62	21.67	21.51	21.65		
15	16QAM	1	37	21.69	21.67	21.63	21.61	21.70	23	1
15	16QAM	1	74	21.72	21.57	21.70	21.66	21.51		
15										



**GSM850 Ant7 DS12**

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	32.00	21.83	21.88	21.87	23.00
Frequency (MHz)	30.83	30.88	30.87	32.00	21.83	21.88	21.87	23.00
GSM 1 Tx slot	30.83	30.88	30.87	32.00	21.83	21.88	21.87	23.00
GPRS 1 Tx slot	30.82	30.86	30.71	32.00	21.82	21.86	21.71	23.00
GPRS 2 Tx slots	29.86	29.91	29.87	31.00	23.86	23.91	23.87	25.00
GPRS 3 Tx slots	28.04	28.09	28.00	29.00	23.78	23.83	23.74	24.74
GPRS 4 Tx slots	26.86	26.97	26.83	28.00	23.86	23.97	23.83	25.00
EDGE 1 Tx slot	25.17	25.29	25.25	26.00	16.17	16.29	16.25	17.00
EDGE 2 Tx slots	24.10	24.23	24.08	25.00	18.10	18.23	18.08	19.00
EDGE 3 Tx slots	22.04	22.12	22.06	23.00	17.78	17.86	17.80	18.74
EDGE 4 Tx slots	20.79	20.88	20.83	22.00	17.79	17.88	17.83	19.00

**GSM1900 Ant7 DS12**

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	26.50	15.80	15.89	15.83	17.50
Frequency (MHz)	24.80	24.89	24.83	26.50	15.73	15.84	15.74	17.50
GSM 1 Tx slot	24.73	24.84	24.74	26.50	15.73	15.84	15.74	17.50
GPRS 1 Tx slot	24.09	24.22	24.15	25.50	18.09	18.22	18.15	19.50
GPRS 2 Tx slots	22.36	22.47	22.39	24.00	18.10	18.21	18.13	19.74
GPRS 3 Tx slots	21.32	21.46	21.36	23.00	18.32	18.46	18.36	20.00
GPRS 4 Tx slots	21.27	21.44	21.25	23.00	12.27	12.44	12.25	14.00
EDGE 1 Tx slot	20.32	20.42	20.28	22.00	14.32	14.42	14.28	16.00
EDGE 2 Tx slots	18.22	18.33	18.27	20.00	13.98	14.07	14.01	15.74
EDGE 3 Tx slots	16.97	17.06	16.93	18.50	13.97	14.06	13.93	15.50
EDGE 4 Tx slots	16.97	17.06	16.93	18.50	13.97	14.06	13.93	15.50

**WCDMA II Ant7 DS12**

**WCDMA IV Ant7 DS12**

**WCDMA V Ant7 Default**

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938	19.00	1537	1638	1738	19.00	4357	4407	4458	19.00	
Rx Channel	1852.4	1880	1907.6	19.00	1712.4	1732.6	1752.6	19.00	826.4	836.4	846.6	23.00	
Frequency (MHz)	17.76	17.71	17.77	19.00	17.94	18.07	18.06	19.00	21.50	21.68	21.65	23.00	
3GPP Rel 99	AMR 12.2Kbps	17.83	17.92	17.85	18.00	18.26	18.09	19.00	21.59	21.75	21.68	23.00	
3GPP Rel 99	RMC 12.2Kbps	16.87	17.01	16.89	18.00	16.99	17.13	16.99	20.71	20.85	20.81	22.00	
3GPP Rel 6	HSDPA Subtest-1	16.77	16.72	16.81	18.00	17.05	17.06	16.91	18.00	20.62	20.60	20.54	22.00
3GPP Rel 6	HSDPA Subtest-2	16.09	16.13	16.09	17.50	16.41	16.44	16.32	17.50	19.98	20.09	19.96	21.50
3GPP Rel 6	HSDPA Subtest-3	16.34	16.29	16.27	17.50	16.71	16.47	16.66	17.50	20.19	20.16	20.15	21.50
3GPP Rel 6	HSDPA Subtest-4	16.69	16.83	16.69	18.00	17.11	17.07	17.15	18.00	20.65	20.73	20.68	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	16.61	16.57	16.50	18.00	16.91	16.88	16.92	18.00	20.46	20.51	20.45	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.01	16.12	15.97	17.50	16.10	16.28	16.18	17.50	19.86	19.99	19.79	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	16.18	16.18	16.07	17.50	16.33	16.45	16.32	17.50	19.93	20.04	19.93	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.67	16.84	16.65	18.00	17.09	17.10	17.04	18.00	20.65	20.76	20.60	22.00
3GPP Rel 6	HSUPA Subtest-1	14.63	15.13	14.87	16.00	14.97	15.18	15.11	16.00	18.66	18.82	18.80	20.00
3GPP Rel 6	HSUPA Subtest-2	15.94	16.12	16.05	17.00	16.11	16.36	16.18	17.00	19.64	19.86	19.82	21.00
3GPP Rel 6	HSUPA Subtest-3	14.63	14.92	14.73	16.00	14.89	15.08	14.93	16.00	18.64	18.73	18.55	20.00
3GPP Rel 6	HSUPA Subtest-4	16.57	16.72	16.71	18.00	16.88	17.08	17.00	18.00	20.51	20.64	20.55	22.00
3GPP Rel 6	HSUPA Subtest-5	14.26	14.53	14.27	15.50	14.61	14.86	14.63	15.50	18.17	18.28	18.17	19.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.26	14.53	14.27	15.50	14.61	14.86	14.63	15.50	18.17	18.28	18.17	19.50



Band 2 Ant7 DS12										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	18.70	18.90	18.47	20	0		
20	QPSK	1	49	18.62	18.60	18.39				
20	QPSK	1	99	18.49	18.59	18.44				
20	QPSK	50	0	18.61	18.74	18.34				
20	QPSK	50	24	18.55	18.50	18.25				
20	QPSK	50	50	18.38	18.52	18.46				
20	QPSK	100	0	18.62	18.64	18.40				
20	16QAM	1	0	18.49	18.55	18.25				
20	16QAM	1	49	18.33	18.35	18.28				
20	16QAM	1	99	18.26	18.74	18.46				
20	16QAM	50	0	18.60	18.43	18.36				
20	16QAM	50	24	18.37	18.51	18.38				
20	16QAM	50	50	18.50	18.60	18.44				
20	16QAM	100	0	18.54	18.46	18.41				
20	64QAM	1	0	18.67	18.71	18.33				
20	64QAM	1	49	18.49	18.59	18.26				
20	64QAM	1	99	18.39	18.57	18.30				
20	64QAM	50	0	17.72	17.72	17.73				
20	64QAM	50	24	17.49	17.81	17.90				
20	64QAM	50	50	17.38	17.66	17.43				
20	64QAM	100	0	17.59	17.56	17.85				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	18.58	18.42	18.18	20	0		
15	QPSK	1	37	18.42	18.39	18.35				
15	QPSK	1	74	18.44	18.59	18.31				
15	QPSK	36	0	18.46	18.59	18.17				
15	QPSK	36	20	18.38	18.44	18.24				
15	QPSK	36	39	18.26	18.40	18.38				
15	QPSK	75	0	18.62	18.63	18.21				
15	16QAM	1	0	17.28	17.63	17.58				
15	16QAM	1	37	18.31	18.42	18.23				
15	16QAM	1	74	18.53	18.62	18.27				
15	16QAM	36	0	18.43	18.34	18.27				
15	16QAM	36	20	18.35	18.39	18.16				
15	16QAM	36	39	18.42	18.61	18.42				
15	16QAM	75	0	18.51	18.31	18.30				
15	64QAM	1	0	18.41	18.40	18.41				
15	64QAM	1	37	18.48	18.39	18.41				
15	64QAM	1	74	18.44	18.50	18.30				
15	64QAM	36	0	18.26	18.37	17.58				
15	64QAM	36	20	17.27	17.64	17.39				
15	64QAM	36	39	17.51	17.44	17.82				
15	64QAM	75	0	17.48	17.52	17.43				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	18.49	18.50	18.24	20	0		
10	QPSK	1	25	18.46	18.50	18.30				
10	QPSK	1	49	18.55	18.43	18.19				
10	QPSK	25	0	18.43	18.55	18.27				
10	QPSK	25	12	18.40	18.36	18.21				
10	QPSK	25	25	18.37	18.48	18.25				
10	QPSK	50	0	18.28	18.37	18.24				
10	16QAM	1	0	18.54	18.53	18.31				
10	16QAM	1	25	18.29	18.59	18.39				
10	16QAM	1	49	18.58	18.58	18.21				
10	16QAM	25	0	18.55	18.40	18.18				
10	16QAM	25	12	18.36	18.50	18.37				
10	16QAM	25	25	18.51	18.50	18.30				
10	16QAM	50	0	18.55	18.40	18.30				
10	64QAM	1	0	18.44	18.43	18.21				
10	64QAM	1	25	18.37	18.41	18.29				
10	64QAM	1	49	18.27	18.37	18.24				
10	64QAM	25	0	17.42	17.79	17.39				
10	64QAM	25	12	17.38	17.49	17.39				
10	64QAM	25	25	17.54	17.56	17.54				
10	64QAM	50	0	17.54	17.48	17.45				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	18.53	18.73	18.46	20	0		
5	QPSK	1	12	18.51	18.60	18.25				
5	QPSK	1	24	18.32	18.47	18.33				
5	QPSK	12	0	18.54	18.45	18.19				
5	QPSK	12	7	18.23	18.37	18.28				
5	QPSK	12	13	18.44	18.61	18.27				
5	QPSK	25	0	18.45	18.75	18.34				
5	16QAM	1	0	18.52	18.44	18.23				
5	16QAM	1	12	18.39	18.53	18.44				
5	16QAM	1	24	18.48	18.56	18.20				
5	16QAM	12	0	18.40	18.22	18.22				
5	16QAM	12	7	18.26	18.53	18.26				
5	16QAM	12	13	18.48	18.56	18.23				
5	16QAM	25	0	18.43	18.39	18.32				
5	64QAM	1	0	18.43	18.43	18.24				
5	64QAM	1	12	18.52	18.60	18.23				
5	64QAM	1	24	18.26	18.43	18.21				
5	64QAM	12	0	17.74	17.60	17.73				
5	64QAM	12	7	17.31	17.74	17.39				
5	64QAM	12	13	17.36	17.60	17.31				
5	64QAM	25	0	17.47	17.48	17.81				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
3	QPSK	1	0	18.68	18.59	18.29	20	0		
3	QPSK	1	8	18.47	18.44	18.22				
3	QPSK	1	14	18.38	18.53	18.44				
3	QPSK	8	0	18.43	18.52	18.26				
3	QPSK	8	4	18.42	18.45	18.39				
3	QPSK	8	7	18.43	18.51	18.45				
3	QPSK	15	0	18.57	18.56	18.16				
3	16QAM	1	0	18.34	18.44	18.26				
3	16QAM	1	8	18.43	18.59	18.31				
3	16QAM	1	14	18.35	18.37	18.45				
3	16QAM	8	0	18.41	18.57	18.23				
3	16QAM	8	4	18.22	18.47	18.16				
3	16QAM	8	7	18.41	18.51	18.31				
3	16QAM	15	0	18.53	18.41	18.35				
3	64QAM	1	0	18.51	18.59	18.24				
3	64QAM	1	8	18.46	18.40	18.25				
3	64QAM	1	14	18.42	18.49	18.26				
3	64QAM	8	0	17.63	17.62	17.67				
3	64QAM	8	4	17.40	17.63	17.53				
3	64QAM	8	7	17.35	17.48	17.38				
3	64QAM	15	0	17.43	17.41	17.46				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
1.4	QPSK	1	0	18.51	18.62	18.25	20	0		
1.4	QPSK	1	3	18.62	18.48	18.35				
1.4	QPSK	1	6	18.43	18.57	18.44				
1.4	QPSK	3	0	18.43	18.48	18.25				
1.4	QPSK	3	1	18.50	18.50	18.19				
1.4	QPSK	3	3	18.60	18.60	18.41				
1.4	QPSK	6	0	18.45	18.61	18.28				
1.4	16QAM	1	0	18.61	18.66	18.30				
1.4	16QAM	1	3	18.47	18.49	18.40				
1.4	16QAM	1	5	18.35	18.42	18.33				
1.4	16QAM	3	0	18.45	18.47	18.16				
1.4	16QAM	3	1	18.51	18.29	18.29				
1.4	16QAM	3	3	18.41	18.56	18.34				
1.4	16QAM	6	0	18.57	18.61	18.20				
1.4	64QAM	1	0	18.42	18.41	18.33				
1.4	64QAM	1	3	18.49	18.40	18.30				
1.4	64QAM	1	5	18.39	18.54	18.16				
1.4	64QAM	3	0	18.45	18.48	18.28				
1.4	64QAM	3	1	18.35	18.49	18.24				
1.4	64QAM	3	3	18.61	18.49	18.15				
1.4	64QAM	6	0	17.57	17.48	17.61				

Band 4 Ant7 DS12										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	17.86	17.59	17.82	19.5	0		
20	QPSK	1	49	17.87	17.76	17.64				
20	QPSK	1	99	17.88	17.75	17.77				
20	QPSK	50	0	17.84	17.90	17.73				
20	QPSK	50	24	17.81	17.75	17.83				
20	QPSK	50	50	17.85	17.66	17.74				
20	QPSK	100	0	17.76	17.88	17.70				
20	16QAM	1	0	17.87	17.62	17.64				
20	16QAM	1	49	17.64	17.68	17.75				
20	16QAM	1	99	17.73	17.93	17.73				
20	16QAM	50	0	17.70	17.63	17.76				
20	16QAM	50	24	17.64	17.67	17.85				
20	16QAM	50	50	17.67	17.88	17.71				
20	16QAM	100	0	17.86	17.58	17.61				



Reduced Power for DSI 3 for Main PA

GSM850 Ant1 Default												
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)				
	178	189	251		178	189	251					
TX Channel	924.2	935.4	946.6	924.2	935.4	946.6	924.2	935.4	946.6			
Frequency (MHz)	32.87	32.91	32.84	33.50	23.87	23.91	23.84	24.50				
GSM 1 Tx slot	32.76	32.82	32.70	33.50	23.76	23.82	23.70	24.50				
GPRS 1 Tx slot	31.81	31.87	31.73	32.50	25.81	25.87	25.73	26.50				
GPRS 2 Tx slots	29.99	30.09	29.98	31.00	25.73	25.83	25.72	26.74				
GPRS 3 Tx slots	28.87	28.98	28.87	30.00	25.87	25.98	25.87	27.00				
GPRS 4 Tx slots	27.19	27.24	27.20	28.50	18.19	18.24	18.20	19.50				
EDGE 1 Tx slot	26.06	26.18	26.06	27.50	20.06	20.18	20.06	21.50				
EDGE 2 Tx slots	24.06	24.20	24.10	25.50	19.80	19.94	19.84	21.24				
EDGE 3 Tx slots	22.74	22.86	22.82	24.00	19.74	19.86	19.82	21.00				
EDGE 4 Tx slots												
GSM1900 Ant1 DSI3												
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)				
	512	661	810		512	661	810					
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880	1909.8			
Frequency (MHz)	23.63	23.71	23.51	25.00	14.63	14.71	14.51	16.00				
GSM 1 Tx slot	23.59	23.61	23.51	25.00	14.59	14.61	14.51	16.00				
GPRS 1 Tx slot	22.83	22.90	22.78	24.00	16.83	16.90	16.78	18.00				
GPRS 2 Tx slots	21.18	21.20	21.11	22.50	16.92	16.94	16.85	18.24				
GPRS 3 Tx slots	20.12	20.21	20.19	21.50	17.12	17.21	17.19	18.50				
GPRS 4 Tx slots	20.03	20.10	20.07	21.50	11.03	11.10	11.07	12.50				
EDGE 1 Tx slot	18.99	19.16	19.07	20.50	12.99	13.16	13.07	14.50				
EDGE 2 Tx slots	16.97	17.07	16.89	18.50	12.71	12.81	12.63	14.24				
EDGE 3 Tx slots	15.61	15.68	15.68	17.00	12.61	12.68	12.68	14.00				
EDGE 4 Tx slots												
WCDMA II Ant1 DSI3			WCDMA IV Ant1 DSI3			WCDMA V Ant1 Default						
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	9662	9800	9938	9662	9800	9938	9662	9800	9938
Rx Channel	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6
Frequency (MHz)	19.15	19.22	19.08	20.00	20.95	21.14	21.01	22.00	22.92	23.06	22.97	24.00
3GPP Rel 99	19.22	19.25	19.13	20.00	20.91	21.28	21.06	22.00	23.03	23.12	23.10	24.00
3GPP Rel 99	18.16	18.40	18.05	19.00	20.23	20.30	20.21	21.00	22.05	22.16	22.05	23.00
3GPP Rel 6	17.98	17.97	18.06	19.00	20.05	19.97	20.23	21.00	21.90	21.96	21.97	23.00
3GPP Rel 6	17.40	17.83	17.50	18.50	19.57	19.34	19.14	20.50	21.40	21.54	21.36	22.50
3GPP Rel 6	17.72	17.73	17.62	18.50	19.57	19.78	19.56	20.50	21.55	21.56	21.43	22.50
3GPP Rel 8	18.27	18.18	17.94	19.00	20.24	20.11	19.96	21.00	22.16	22.10	22.02	23.00
3GPP Rel 8	17.83	17.62	17.81	19.00	19.98	19.95	19.64	21.00	21.77	21.96	21.84	23.00
3GPP Rel 8	17.45	17.29	17.38	18.50	19.31	19.35	19.34	20.50	21.33	21.33	21.18	22.50
3GPP Rel 8	17.71	17.57	17.44	18.50	19.37	19.48	19.28	20.50	21.33	21.45	21.40	22.50
3GPP Rel 6	18.31	18.53	18.12	19.00	20.14	20.53	20.50	21.00	22.16	22.22	21.94	23.00
3GPP Rel 6	16.29	16.23	16.35	17.00	17.98	18.39	18.03	19.00	20.04	20.24	20.17	21.00
3GPP Rel 6	17.34	17.28	17.29	18.00	19.28	19.23	18.99	20.00	21.18	21.14	21.01	22.00
3GPP Rel 6	16.08	16.22	16.23	17.00	18.15	18.13	18.10	19.00	20.07	19.95	19.96	21.00
3GPP Rel 6	18.06	18.16	18.12	19.00	19.93	19.89	19.89	21.00	21.93	21.90	21.85	23.00
3GPP Rel 7	15.44	15.80	15.70	16.50	17.27	17.67	17.46	18.50	19.43	19.62	19.48	20.50



Band 2 Ant1 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.56	19.62	19.28				
20	QPSK	1	49	19.47	19.56	19.21		21	0	
20	QPSK	1	99	19.27	19.36	19.49				
20	QPSK	50	0	19.52	19.58	19.26				
20	QPSK	50	24	19.35	19.55	19.13		21	0	
20	QPSK	50	50	19.16	19.33	19.43				
20	QPSK	100	0	19.53	19.55	19.21				
20	16QAM	1	0	19.29	19.39	19.11				
20	16QAM	1	49	19.11	19.21	19.38		21	0	
20	16QAM	1	99	19.35	19.38	19.12				
20	16QAM	50	0	19.31	19.44	19.08				
20	16QAM	50	24	19.13	19.16	19.42				
20	16QAM	50	50	19.43	19.50	19.25		21	0	
20	16QAM	100	0	19.30	19.52	19.19				
20	64QAM	1	0	19.14	19.35	19.47				
20	64QAM	1	49	19.50	19.38	19.07		21	0	
20	64QAM	1	99	19.30	19.50	19.03				
20	64QAM	50	0	19.23	19.34	19.39				
20	64QAM	50	24	19.26	19.43	19.27		21	0	
20	64QAM	50	50	19.42	19.49	19.14				
20	64QAM	100	0	19.24	19.30	19.29				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.38	19.45	19.17				
15	QPSK	1	37	19.43	19.37	19.19		21	0	
15	QPSK	1	74	19.18	19.30	19.33				
15	QPSK	36	0	19.51	19.52	19.18				
15	QPSK	36	20	19.26	19.35	19.09		21	0	
15	QPSK	36	39	19.23	19.35	19.42				
15	QPSK	75	0	19.42	19.54	19.18				
15	16QAM	1	0	19.27	19.23	19.20				
15	16QAM	1	37	19.37	19.50	19.12		21	0	
15	16QAM	1	74	19.15	19.32	19.37				
15	16QAM	36	0	19.42	19.42	19.20				
15	16QAM	36	20	19.47	19.41	19.01		21	0	
15	16QAM	36	39	19.20	19.18	19.29				
15	16QAM	75	0	19.11	19.40	19.17				
15	64QAM	1	0	19.47	19.44	19.14				
15	64QAM	1	37	19.34	19.42	19.11		21	0	
15	64QAM	1	74	19.16	19.28	19.39				
15	64QAM	36	0	19.27	19.38	19.48				
15	64QAM	36	20	19.42	19.44	19.27		21	0	
15	64QAM	36	39	19.28	19.51	19.14				
15	64QAM	75	0	19.10	19.18	19.39				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.45	19.47	19.27				
10	QPSK	1	25	19.47	19.50	19.17		21	0	
10	QPSK	1	49	19.15	19.18	19.34				
10	QPSK	25	0	19.41	19.37	19.08				
10	QPSK	25	12	19.27	19.50	19.14		21	0	
10	QPSK	25	25	19.17	19.11	19.38				
10	QPSK	50	0	19.45	19.35	19.07				
10	16QAM	1	0	19.18	19.26	19.07				
10	16QAM	1	25	19.12	19.09	19.17		21	0	
10	16QAM	1	49	19.30	19.31	19.08				
10	16QAM	25	0	19.15	19.30	19.05				
10	16QAM	25	12	19.46	19.48	19.26		21	0	
10	16QAM	25	25	19.45	19.47	19.20				
10	16QAM	50	0	19.19	19.31	19.38				
10	64QAM	1	0	19.34	19.55	19.29				
10	64QAM	1	25	19.36	19.34	19.06		21	0	
10	64QAM	1	49	19.15	19.38	19.54				
10	64QAM	25	0	19.47	19.57	19.27				
10	64QAM	25	12	19.28	19.38	19.22				
10	64QAM	25	25	19.11	19.28	19.51		21	0	
10	64QAM	50	0	19.15	19.19	19.26				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.54	19.56	19.18				
5	QPSK	1	12	19.25	19.43	19.22		21	0	
5	QPSK	1	24	19.25	19.31	19.36				
5	QPSK	12	0	19.47	19.39	19.19				
5	QPSK	12	7	19.27	19.35	19.25		21	0	
5	QPSK	12	13	19.39	19.52	19.24				
5	QPSK	25	0	19.13	19.36	19.29				
5	16QAM	1	0	19.34	19.41	19.22				
5	16QAM	1	12	19.41	19.44	19.21		21	0	
5	16QAM	1	24	19.25	19.18	19.47				
5	16QAM	12	0	19.22	19.28	19.37				
5	16QAM	12	7	19.34	19.36	19.00		21	0	
5	16QAM	12	13	19.18	19.25	19.44				
5	16QAM	25	0	19.15	19.53	19.03				
5	64QAM	1	0	19.16	19.47	19.10				
5	64QAM	1	12	19.40	19.47	19.10		21	0	
5	64QAM	1	24	19.48	19.53	19.16				
5	64QAM	12	0	19.23	19.37	19.40				
5	64QAM	12	7	19.39	19.35	19.06		21	0	
5	64QAM	12	13	19.25	19.26	19.08				
5	64QAM	25	0	19.17	19.19	19.15				
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.38	19.42	19.19				
3	QPSK	1	8	19.31	19.49	19.03		21	0	
3	QPSK	1	14	19.26	19.25	19.47				
3	QPSK	8	0	19.27	19.37	19.07				
3	QPSK	8	4	19.37	19.55	19.19		21	0	
3	QPSK	8	7	19.27	19.37	19.38				
3	QPSK	15	0	19.38	19.35	19.06				
3	16QAM	1	0	19.23	19.30	19.37				
3	16QAM	1	8	19.43	19.50	19.12		21	0	
3	16QAM	1	14	19.25	19.16	19.33				
3	16QAM	8	0	19.20	19.37	19.08				
3	16QAM	8	4	19.13	19.01	19.35		21	0	
3	16QAM	8	7	19.22	19.47	19.13				
3	16QAM	15	0	19.28	19.35	19.05				
3	64QAM	1	0	19.14	19.36	19.30				
3	64QAM	1	8	19.56	19.41	19.18		21	0	
3	64QAM	1	14	19.31	19.58	19.11				
3	64QAM	8	0	19.38	19.46	19.25				
3	64QAM	8	4	19.32	19.56	19.08		21	0	
3	64QAM	8	7	19.08	19.30	19.36				
3	64QAM	15	0	19.21	19.32	19.09				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.52	19.51	19.18				
1.4	QPSK	1	3	19.30	19.38	19.20		21	0	
1.4	QPSK	1	5	19.15	19.35	19.45				
1.4	QPSK	3	0	19.40	19.51	19.19				
1.4	QPSK	3	1	19.24	19.42	19.03				
1.4	QPSK	3	3	19.13	19.12	19.32				
1.4	QPSK	6	0	19.55	19.53	19.05		21	0	
1.4	16QAM	1	0	19.57	19.44	19.30				
1.4	16QAM	1	3	19.39	19.42	19.22				
1.4	16QAM	1	5	19.20	19.19	19.47		21	0	
1.4	16QAM	3	0	19.16	19.38	19.05				
1.4	16QAM	3	1	19.24	19.18	19.26				
1.4	16QAM	3	3	19.36	19.49	19.07				
1.4	16QAM	6	0	19.22	19.51	19.05		21	0	
1.4	64QAM	1	0	19.46	19.41	19.10				
1.4	64QAM	1	3	19.44	19.44	19.09				
1.4	64QAM	1	5	19.14	19.18	19.43		21	0	
1.4	64QAM	3	0	19.17	19.17	19.34				
1.4	64QAM	3	1	19.43	19.33	19.20				
1.4	64QAM	3	3	19.31	19.36	19.03				
1.4	64QAM	6	0	19.04	19.27	19.10		21	0	

Band 4 Ant1 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq					



Band 7 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.90	22.99	22.94			
20	QPSK	1	49	22.88	22.89	22.87	24	0	
20	QPSK	1	99	22.85	22.91	22.81			
20	QPSK	50	0	21.84	22.04	21.96			
20	QPSK	50	24	21.85	21.99	21.86	23	1	
20	QPSK	50	50	21.75	21.88	21.85			
20	QPSK	100	0	21.78	21.92	21.90			
20	16QAM	1	0	21.76	21.85	21.80			
20	16QAM	1	49	21.83	21.87	21.83	23	1	
20	16QAM	1	99	21.71	21.81	21.68			
20	16QAM	50	0	20.74	20.83	20.80			
20	16QAM	50	24	20.82	20.88	20.78	22	2	
20	16QAM	50	50	20.93	20.96	20.91			
20	16QAM	100	0	20.84	20.90	20.80			
20	64QAM	1	0	20.75	20.83	20.80			
20	64QAM	1	49	21.06	21.06	21.03	22	2	
20	64QAM	1	99	20.82	21.00	20.94			
20	64QAM	50	0	19.96	20.03	20.01			
20	64QAM	50	24	20.03	20.11	20.02	21	3	
20	64QAM	50	50	20.03	20.17	20.12			
20	64QAM	100	0	19.86	19.97	19.92			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.86	22.93	22.89			
15	QPSK	1	37	22.78	22.85	22.79	24	0	
15	QPSK	1	74	22.75	22.79	22.71			
15	QPSK	36	0	21.71	21.99	21.86			
15	QPSK	36	20	21.78	21.94	21.77	23	1	
15	QPSK	36	39	21.64	21.74	21.82			
15	QPSK	75	0	21.72	21.79	21.81			
15	16QAM	1	0	21.71	21.81	21.72			
15	16QAM	1	37	21.68	21.78	21.78	23	1	
15	16QAM	1	74	21.64	21.72	21.62			
15	16QAM	36	0	20.60	20.69	20.68			
15	16QAM	36	20	20.67	20.85	20.64	22	2	
15	16QAM	36	39	20.86	20.82	20.75			
15	16QAM	75	0	20.74	20.77	20.76			
15	64QAM	1	0	20.81	20.71	20.67			
15	64QAM	1	37	21.01	20.93	20.96	22	2	
15	64QAM	1	74	20.78	20.87	20.91			
15	64QAM	36	0	19.93	19.96	19.96			
15	64QAM	36	20	19.88	20.03	19.99	21	3	
15	64QAM	36	39	19.98	20.05	19.98			
15	64QAM	75	0	19.75	19.91	19.84			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.82	22.88	22.82			
10	QPSK	1	25	22.75	22.85	22.80	24	0	
10	QPSK	1	49	22.76	22.85	22.75			
10	QPSK	25	0	21.73	21.98	21.84			
10	QPSK	25	12	21.74	21.86	21.81	23	1	
10	QPSK	25	25	21.67	21.76	21.78			
10	QPSK	50	0	21.66	21.80	21.86			
10	16QAM	1	0	21.64	21.79	21.67			
10	16QAM	1	25	21.70	21.75	21.71	23	1	
10	16QAM	1	49	21.64	21.66	21.54			
10	16QAM	25	0	20.69	20.74	20.66			
10	16QAM	25	12	20.78	20.80	20.69	22	2	
10	16QAM	25	25	20.86	20.84	20.77			
10	16QAM	50	0	20.78	20.86	20.65			
10	64QAM	1	0	20.64	20.79	20.68			
10	64QAM	1	25	20.82	20.95	20.96	22	2	
10	64QAM	1	49	20.80	20.95	20.84			
10	64QAM	25	0	19.83	19.92	19.87			
10	64QAM	25	12	19.91	20.01	19.88	21	3	
10	64QAM	25	25	19.89	20.10	20.07			
10	64QAM	50	0	19.81	19.87	19.88			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.87	22.84	22.85			
5	QPSK	1	12	22.83	22.82	22.77	24	0	
5	QPSK	1	24	22.72	22.84	22.67			
5	QPSK	12	0	21.78	21.96	21.83			
5	QPSK	12	7	21.73	21.88	21.77	23	1	
5	QPSK	12	13	21.71	21.82	21.72			
5	QPSK	25	0	21.84	21.89	21.76			
5	16QAM	1	0	21.72	21.71	21.72			
5	16QAM	1	12	21.72	21.75	21.73	23	1	
5	16QAM	1	24	21.64	21.72	21.61			
5	16QAM	12	0	20.86	20.88	20.70			
5	16QAM	12	7	20.73	20.85	20.73	22	2	
5	16QAM	12	13	20.88	20.86	20.75			
5	16QAM	25	0	20.77	20.84	20.73			
5	64QAM	1	0	20.67	20.75	20.77			
5	64QAM	1	12	20.83	20.92	20.92	22	2	
5	64QAM	1	24	20.87	20.88	20.81			
5	64QAM	12	0	19.87	19.97	19.86			
5	64QAM	12	7	19.93	20.07	19.99	21	3	
5	64QAM	12	13	19.99	20.06	20.08			
5	64QAM	25	0	19.73	19.91	19.80			



Band 38 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3800	3815			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.82	22.87	22.78	24	0	
20	QPSK	1	49	22.71	22.75	22.85			
20	QPSK	1	99	22.70	22.76	22.78			
20	QPSK	50	0	21.71	21.82	21.70			
20	QPSK	50	24	21.68	21.73	21.62	23	1	
20	QPSK	50	50	21.69	21.79	21.63			
20	QPSK	100	0	21.67	21.70	21.64			
20	16QAM	1	0	21.57	21.58	21.67			
20	16QAM	1	49	21.52	21.70	21.54	23	1	
20	16QAM	1	99	21.45	21.52	21.44			
20	16QAM	50	0	20.76	20.85	20.75			
20	16QAM	50	24	20.61	20.77	20.64	22	2	
20	16QAM	50	50	20.68	20.78	20.71			
20	16QAM	100	0	20.67	20.74	20.66			
20	64QAM	1	0	20.31	20.43	20.34			
20	64QAM	1	49	20.42	20.53	20.48	22	2	
20	64QAM	1	99	20.48	20.49	20.43			
20	64QAM	50	0	19.84	19.89	19.86			
20	64QAM	50	24	19.81	19.90	19.80	21	3	
20	64QAM	50	50	19.86	19.91	19.78			
20	64QAM	100	0	19.74	19.92	19.82			
Channel				37625	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.72	22.78	22.74	24	0	
15	QPSK	1	37	22.62	22.61	22.51			
15	QPSK	1	74	22.80	22.67	22.69			
15	QPSK	38	0	21.59	21.71	21.66			
15	QPSK	38	20	21.56	21.61	21.49	23	1	
15	QPSK	38	39	21.61	21.72	21.51			
15	QPSK	75	0	21.62	21.61	21.55			
15	16QAM	1	0	21.48	21.52	21.83			
15	16QAM	1	37	21.37	21.63	21.45	23	1	
15	16QAM	1	74	21.32	21.41	21.35			
15	16QAM	38	0	20.68	20.75	20.71			
15	16QAM	38	20	20.47	20.71	20.52	22	2	
15	16QAM	38	39	20.53	20.66	20.63			
15	16QAM	75	0	20.53	20.62	20.57			
15	64QAM	1	0	20.27	20.40	20.23			
15	64QAM	1	37	20.34	20.44	20.43	22	2	
15	64QAM	1	74	20.35	20.38	20.28			
15	64QAM	38	0	19.73	19.77	19.78			
15	64QAM	38	20	19.76	19.79	19.74	21	3	
15	64QAM	38	39	19.81	19.87	19.65			
15	64QAM	75	0	19.67	19.85	19.78			
Channel				37800	38000	38200			
Frequency (MHz)				2572.5	2595	2617.5			
10	QPSK	1	0	22.73	22.74	22.74	24	0	
10	QPSK	1	25	22.61	22.67	22.51			
10	QPSK	1	49	22.63	22.69	22.66			
10	QPSK	25	0	21.58	21.74	21.80	23	1	
10	QPSK	25	12	21.52	21.59	21.58			
10	QPSK	25	25	21.63	21.64	21.59			
10	QPSK	50	0	21.83	21.59	21.80			
10	16QAM	1	0	21.43	21.59	21.61	23	1	
10	16QAM	1	25	21.38	21.62	21.50			
10	16QAM	1	49	21.35	21.39	21.40			
10	16QAM	25	0	20.62	20.75	20.64	22	2	
10	16QAM	25	12	20.53	20.74	20.56			
10	16QAM	25	25	20.58	20.73	20.63			
10	16QAM	50	0	20.57	20.60	20.52			
10	64QAM	1	0	20.20	20.34	20.24	22	2	
10	64QAM	1	25	20.27	20.48	20.38			
10	64QAM	1	49	20.34	20.40	20.34			
10	64QAM	25	0	19.75	19.83	19.74			
10	64QAM	25	12	19.71	19.76	19.71	21	3	
10	64QAM	25	25	19.73	19.80	19.67			
10	64QAM	50	0	19.60	19.84	19.77			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.70	22.61	22.66	24	0	
5	QPSK	1	12	22.58	22.70	22.52			
5	QPSK	1	24	22.60	22.63	22.66			
5	QPSK	12	0	21.67	21.72	21.58	23	1	
5	QPSK	12	7	21.59	21.69	21.48			
5	QPSK	12	13	21.55	21.75	21.59			
5	QPSK	25	0	21.80	21.58	21.53			
5	16QAM	1	0	21.51	21.53	21.58	23	1	
5	16QAM	1	12	21.43	21.55	21.48			
5	16QAM	1	24	21.30	21.49	21.30			
5	16QAM	12	0	20.71	20.77	20.67	22	2	
5	16QAM	12	7	20.48	20.68	20.56			
5	16QAM	12	13	20.55	20.74	20.64			
5	16QAM	25	0	20.61	20.70	20.57			
5	64QAM	1	0	20.22	20.34	20.30	22	2	
5	64QAM	1	12	20.31	20.43	20.38			
5	64QAM	1	24	20.37	20.44	20.28			
5	64QAM	12	0	19.76	19.76	19.83	21	3	
5	64QAM	12	7	19.68	19.84	19.71			
5	64QAM	12	13	19.78	19.78	19.73			
5	64QAM	25	0	19.66	19.87	19.68			

Band 41 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41655	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.81	22.70	22.89	22.77	22.75	24
20	QPSK	1	49	22.73	22.74	22.80	22.80	22.80	
20	QPSK	1	99	22.60	22.72	22.78	22.71	22.74	
20	QPSK	50	0	21.80	21.70	21.84	21.67	21.62	
20	QPSK	50	24	21.75	21.71	21.73	21.71	21.75	23
20	QPSK	50	50	21.83	21.76	21.76	21.70	21.73	
20	QPSK	100	0	21.76	21.68	21.78	21.72	21.75	
20	16QAM	1	0	21.65	21.67	21.73	21.65	21.72	23
20	16QAM	1	49	21.78	21.78	21.75	21.73	21.73	
20	16QAM	1	99	21.79	21.70	21.76	21.71	21.63	
20	16QAM	50	0	20.81	20.69	20.76	20.68	20.65	
20	16QAM	50	24	20.74	20.72	20.77	20.69	20.73	22
20	16QAM	50	50	20.74	20.67	20.81	20.70	20.71	
20	16QAM	100	0	20.82	20.63	20.77	20.68	20.76	
20	64QAM	1	0	20.32	20.36	20.51	20.48	20.48	
20	64QAM	1	49	20.52	20.44	20.47	20.44	20.53	22
20	64QAM	1	99	20.48	20.37	20.50	20.37	20.38	
20	64QAM	50	0	19.82	19.74	19.92	19.79	19.93	
20	64QAM	50	24	19.96	19.89	19.96	19.81	19.80	21
20	64QAM	50	50	19.83	19.81	19.83	19.85	19.86	
20	64QAM	100	0	19.89	19.83	19.85	19.78	19.81	
Channel				39725	40173	40620	41668	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5	
15	QPSK	1	0	22.66	22.64	22.80	22.71	22.61	24
15	QPSK	1	37	22.67	22.68	22.69	22.66	22.66	
15	QPSK	1	74	22.56	22.60	22.62	22.59	22.67	
15	QPSK	38	0	21.72	21.87	21.71	21.65	21.52	
15	QPSK	38	20	21.64	21.82	21.67	21.60	21.60	23
15	QPSK	38	39	21.71	21.68	21.65	21.58	21.62	
15	QPSK	75	0	21.66	21.57	21.72	21.63	21.68	
15	16QAM	1	0	21.60	21.62	21.67	21.51	21.65	
15	16QAM	1	37	21.69	21.67	21.63	21.61	21.70	23
15	16QAM	1	74	21.72	21.57	21.70	21.66	21.66	
15	16QAM	38	0	20.73	20.55	20.64	20.57	20.57	
15	16QAM	38	20	20.65	20.64	20.63	20.54	20.66	22
15	16QAM	38	39	20.62	20.62	20.76	20.63	20.60	
15	16QAM	75	0	20.69	20.58	20.72	20.64	20.68	
15	64QAM	1	0	20.18	20.29	20.48	20.37	20.39	
15	64QAM	1	37						





GSM850 Ant7 Default								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.32	31.38	31.36	32.50	22.32	22.38	22.36	23.50
GPRS 1 Tx slot	31.31	31.35	31.22	32.50	22.31	22.35	22.22	23.50
GPRS 2 Tx slots	30.35	30.42	30.36	31.50	24.35	24.42	24.36	25.50
GPRS 3 Tx slots	28.53	28.61	28.51	29.50	24.27	24.35	24.25	25.24
GPRS 4 Tx slots	27.36	27.47	27.34	28.50	24.36	24.47	24.34	25.50
EDGE 1 Tx slot	25.68	25.78	25.74	26.50	16.68	16.78	16.74	17.50
EDGE 2 Tx slots	24.59	24.73	24.59	25.50	18.59	18.73	18.59	19.50
EDGE 3 Tx slots	22.53	22.63	22.58	23.50	18.27	18.37	18.32	19.24
EDGE 4 Tx slots	21.30	21.38	21.34	22.50	18.30	18.38	18.34	19.50

GSM1900 Ant7 Default								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.80	26.88	26.82	28.50	17.80	17.88	17.82	19.50
GPRS 1 Tx slot	26.73	26.83	26.76	28.50	17.73	17.83	17.76	19.50
GPRS 2 Tx slots	26.09	26.21	26.15	27.50	20.09	20.21	20.15	21.50
GPRS 3 Tx slots	24.35	24.48	24.38	26.00	20.09	20.22	20.12	21.74
GPRS 4 Tx slots	23.33	23.45	23.37	25.00	20.33	20.45	20.37	22.00
EDGE 1 Tx slot	23.28	23.43	23.25	25.00	14.28	14.43	14.25	16.00
EDGE 2 Tx slots	22.31	22.42	22.29	24.00	16.31	16.42	16.29	18.00
EDGE 3 Tx slots	20.21	20.34	20.28	22.00	15.95	16.08	16.00	17.74
EDGE 4 Tx slots	18.97	19.04	18.94	20.50	15.97	16.04	15.94	17.50

Band	WCDMA II Ant7 Default			Tune-up Limit (dBm)	WCDMA IV Ant7 Default			Tune-up Limit (dBm)	WCDMA V Ant7 Default			Tune-up Limit (dBm)	
	WCDMA II	WCDMA IV	WCDMA V		WCDMA II	WCDMA IV	WCDMA V						
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	20.70	20.75	20.67	22.00	20.85	21.11	21.07	22.00	21.50	21.68	21.65	23.00
3GPP Rel 99	RMC 12.2Kbps	20.77	20.80	20.73	22.00	20.99	21.19	21.14	22.00	21.59	21.75	21.68	23.00
3GPP Rel 6	HSDPA Subtest-1	19.82	20.00	19.78	21.00	20.08	20.21	20.02	21.00	20.71	20.85	20.81	22.00
3GPP Rel 6	HSDPA Subtest-2	19.72	19.76	19.69	21.00	19.99	20.01	19.99	21.00	20.62	20.60	20.54	22.00
3GPP Rel 6	HSDPA Subtest-3	19.10	19.22	19.05	20.50	19.38	19.46	19.33	20.50	19.98	20.09	19.96	21.50
3GPP Rel 6	HSDPA Subtest-4	19.33	19.37	19.35	20.50	19.66	19.56	19.60	20.50	20.19	20.16	20.15	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.79	19.81	19.77	21.00	20.01	20.09	20.09	21.00	20.65	20.73	20.68	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.63	19.66	19.62	21.00	19.91	19.97	19.83	21.00	20.46	20.51	20.45	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.88	19.09	18.97	20.50	19.21	19.39	19.21	20.50	19.86	19.99	19.79	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.12	19.09	19.03	20.50	19.31	19.49	19.29	20.50	19.93	20.04	19.93	21.50
3GPP Rel 6	HSUPA Subtest-1	19.75	19.95	19.67	21.00	20.06	20.19	19.99	21.00	20.65	20.76	20.60	22.00
3GPP Rel 6	HSUPA Subtest-2	17.73	18.01	17.87	19.00	18.02	18.18	18.19	19.00	18.66	18.82	18.80	20.00
3GPP Rel 6	HSUPA Subtest-3	18.86	19.03	18.98	20.00	18.99	19.26	19.23	20.00	19.64	19.86	19.82	21.00
3GPP Rel 6	HSUPA Subtest-4	17.75	17.87	17.67	19.00	17.99	18.16	17.93	19.00	18.64	18.73	18.55	20.00
3GPP Rel 6	HSUPA Subtest-5	19.56	19.68	19.70	21.00	19.98	20.02	19.94	21.00	20.51	20.64	20.55	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.29	17.43	17.35	18.50	17.61	17.74	17.55	18.50	18.17	18.28	18.17	19.50



Band 2 Ant7 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1870	1890	1910		
20	QPSK	1	0	20.49	20.55	20.40					
20	QPSK	1	49	20.47	20.51	20.36		22	0		
20	QPSK	1	99	20.26	20.39	20.30					
20	QPSK	50	0	19.42	19.54	19.41					
20	QPSK	50	24	19.41	19.50	19.42		21	1		
20	QPSK	50	50	19.34	19.42	19.30					
20	QPSK	100	0	19.33	19.45	19.31					
20	16QAM	1	0	19.22	19.34	19.27					
20	16QAM	1	49	19.20	19.36	19.26		21	1		
20	16QAM	1	99	19.22	19.31	19.26					
20	16QAM	50	0	18.39	18.46	18.32					
20	16QAM	50	24	18.44	18.51	18.46					
20	16QAM	50	50	18.36	18.40	18.25		20	2		
20	16QAM	100	0	18.39	18.42	18.30					
20	64QAM	1	0	18.53	18.64	18.56					
20	64QAM	1	49	18.47	18.60	18.49		20	2		
20	64QAM	1	99	18.35	18.49	18.37					
20	64QAM	50	0	17.58	17.64	17.57					
20	64QAM	50	24	17.55	17.65	17.50					
20	64QAM	50	50	17.43	17.50	17.44		19	3		
20	64QAM	100	0	17.51	17.60	17.50					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1867.5	1890	1912.5		
15	QPSK	1	0	20.42	20.47	20.29					
15	QPSK	1	37	20.43	20.43	20.22		22	0		
15	QPSK	1	74	20.12	20.27	20.24					
15	QPSK	36	0	19.32	19.45	19.32					
15	QPSK	36	20	19.30	19.38	19.32					
15	QPSK	36	39	19.26	19.35	19.21		21	1		
15	QPSK	75	0	19.22	19.36	19.19					
15	16QAM	1	0	19.22	19.34	19.21					
15	16QAM	1	37	19.23	19.24	19.15		21	1		
15	16QAM	1	74	19.17	19.20	19.13					
15	16QAM	36	0	18.34	18.41	18.28					
15	16QAM	36	20	18.40	18.42	18.34					
15	16QAM	36	39	18.32	18.37	18.18		20	2		
15	16QAM	75	0	18.31	18.27	18.19					
15	64QAM	1	0	18.38	18.49	18.50					
15	64QAM	1	37	18.35	18.52	18.36		20	2		
15	64QAM	1	74	18.21	18.40	18.23					
15	64QAM	36	0	17.48	17.58	17.53					
15	64QAM	36	20	17.49	17.67	17.44					
15	64QAM	36	39	17.33	17.45	17.38		19	3		
15	64QAM	75	0	17.38	17.56	17.41					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1855	1880	1905		
10	QPSK	1	0	20.35	20.45	20.29					
10	QPSK	1	25	20.41	20.40	20.21		22	0		
10	QPSK	1	49	20.11	20.28	20.17					
10	QPSK	25	0	19.28	19.46	19.29					
10	QPSK	25	12	19.36	19.39	19.31					
10	QPSK	25	25	19.20	19.31	19.22					
10	QPSK	50	0	19.32	19.40	19.17					
10	16QAM	1	0	19.17	19.26	19.18					
10	16QAM	1	25	19.26	19.33	19.21		21	1		
10	16QAM	1	49	19.07	19.20	19.14					
10	16QAM	25	0	18.36	18.34	18.28					
10	16QAM	25	12	18.35	18.43	18.33					
10	16QAM	25	25	18.23	18.32	18.19					
10	16QAM	50	0	18.28	18.37	18.20					
10	64QAM	1	0	18.41	18.58	18.41					
10	64QAM	1	25	18.37	18.46	18.41		20	2		
10	64QAM	1	49	18.21	18.34	18.33					
10	64QAM	25	0	17.44	17.53	17.47					
10	64QAM	25	12	17.42	17.53	17.41					
10	64QAM	25	25	17.34	17.48	17.46		19	3		
10	64QAM	50	0	17.41	17.49	17.34					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1852.5	1880	1907.5		
5	QPSK	1	0	20.41	20.52	20.36					
5	QPSK	1	12	20.38	20.47	20.33		22	0		
5	QPSK	1	24	20.11	20.26	20.23					
5	QPSK	12	0	19.36	19.44	19.28					
5	QPSK	12	7	19.32	19.40	19.27					
5	QPSK	12	13	19.19	19.38	19.15		21	1		
5	QPSK	25	0	19.25	19.37	19.19					
5	16QAM	1	0	19.14	19.30	19.16					
5	16QAM	1	12	19.19	19.30	19.12		21	1		
5	16QAM	1	24	19.18	19.20	19.17					
5	16QAM	12	0	18.35	18.39	18.21					
5	16QAM	12	7	18.39	18.38	18.38					
5	16QAM	12	13	18.27	18.30	18.15		20	2		
5	16QAM	25	0	18.33	18.27	18.26					
5	64QAM	1	0	18.34	18.54	18.46					
5	64QAM	1	12	18.39	18.54	18.37		20	2		
5	64QAM	1	24	18.20	18.36	18.26					
5	64QAM	12	0	17.48	17.52	17.48					
5	64QAM	12	7	17.50	17.50	17.39					
5	64QAM	12	13	17.39	17.46	17.37		19	3		
5	64QAM	25	0	17.44	17.48	17.36					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1851.5	1880	1906.5		
3	QPSK	1	0	20.43	20.50	20.28					
3	QPSK	1	8	20.42	20.37	20.21		22	0		
3	QPSK	1	14	20.17	20.31	20.27					
3	QPSK	8	0	19.31	19.39	19.32					
3	QPSK	8	4	19.36	19.40	19.29					
3	QPSK	8	7	19.19	19.32	19.15		21	1		
3	QPSK	15	0	19.25	19.33	19.21					
3	16QAM	1	0	19.17	19.28	19.22					
3	16QAM	1	8	19.25	19.24	19.20		21	1		
3	16QAM	1	14	19.11	19.18	19.22					
3	16QAM	8	0	18.24	18.37	18.20					
3	16QAM	8	4	18.29	18.43	18.32					
3	16QAM	8	7	18.28	18.33	18.22		20	2		
3	16QAM	15	0	18.25	18.29	18.17					
3	64QAM	1	0	18.47	18.53	18.47					
3	64QAM	1	8	18.39	18.53	18.42		20	2		
3	64QAM	1	14	18.30	18.44	18.27					
3	64QAM	8	0	17.55	17.49	17.43					
3	64QAM	8	4	17.49	17.62	17.43					
3	64QAM	8	7	17.37	17.49	17.43		19	3		
3	64QAM	15	0	17.45	17.47	17.43					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							18607	18900	19193		
1.4	QPSK	1	0	20.37	20.45	20.37					
1.4	QPSK	1	3	20.40	20.39	20.24		22	0		
1.4	QPSK	1	6	20.12	20.32	20.20					
1.4	QPSK	3	0	20.35	20.41	20.35					
1.4	QPSK	3	1	20.38	20.38	20.27					
1.4	QPSK	3	3	20.23	20.35	20.25					
1.4	QPSK	6	0	19.29	19.51	19.32		21	1		
1.4	16QAM	1	0	19.34	19.38	19.31					
1.4	16QAM	1	3	19.20	19.39	19.22					
1.4	16QAM	1	5	19.26	19.36	19.26					
1.4	16QAM	3	0	19.12	19.25	19.20		21	1		
1.4	16QAM	3	1	19.27	19.23	19.21					
1.4	16QAM	3	3	19.18	19.20	19.18					
1.4	16QAM	6	0	18.30	18.40	18.27		20	2		
1.4	64QAM	1	0	18.35	18.38	18.38					
1.4	64QAM	1	3	18.23	18.28	18.16					
1.4	64QAM	1	5	18.24	18.37	18.24					
1.4	64QAM	3	0	18.44	18.59	18.44		20	2		
1.4	64QAM	3	1	18.34	18.45	18.39					
1.4	64QAM	3	3	18.31	18.46	18.34					
1.4	64QAM	6	0	17.52	17.59	17.39		19	3		

Band 4 Ant7 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							2050	2075	20300		
20	QPSK	1	0	20.31	20.39	20.36					
20	QPSK	1	49	20.29	20.35	20.21		22	0		
20	QPSK	1	99	20.14	20.20	20.15					
20	QPSK	50	0	19.34	19.38	19.25					
20	QPSK	50	24	19.26	19.37	19.24		21	1		
20	QPSK	50	50	19.28	19.32	19.29					
20	QPSK	100	0	19.30	19.34	19.25					
20	16QAM	1	0	19.26	19.31	19.20					
20	16QAM	1	49	19.21	19.26	19.14		21	1		
20	16QAM	1	99	19.23	19.29	19.24					
20	16QAM	50	0	18.45	18.51	18.44					
20	16QAM	50	24	18.37	18.50	18.39					
20	16QAM	50	50	18.41	18.47	18.43		20	2		
20	16QAM	10									



Reduced Power for DSI 4 for Main PA

GSM850 Ant1 Default									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	178	189	251		178	189	251		
TX Channel	924.2	935.4	946.6	30.0	30.0	30.0	30.0	30.0	
Frequency (MHz)	924.2	935.4	946.6	30.0	30.0	30.0	30.0	30.0	
GSM 1 Tx slot	32.87	32.91	32.84	33.50	23.87	23.91	23.84	24.50	
GPRS 1 Tx slot	32.76	32.82	32.70	33.50	23.76	23.82	23.70	24.50	
GPRS 2 Tx slots	31.81	31.87	31.73	32.50	25.81	25.87	25.73	26.50	
GPRS 3 Tx slots	29.99	30.09	29.98	31.00	25.73	25.83	25.72	26.74	
GPRS 4 Tx slots	28.87	28.98	28.87	30.00	25.87	25.98	25.87	27.00	
EDGE 1 Tx slot	27.19	27.24	27.20	28.50	18.19	18.24	18.20	19.50	
EDGE 2 Tx slots	26.06	26.18	26.06	27.50	20.06	20.18	20.06	21.50	
EDGE 3 Tx slots	24.06	24.20	24.10	25.50	19.80	19.94	19.84	21.24	
EDGE 4 Tx slots	22.74	22.86	22.82	24.00	19.74	19.86	19.82	21.00	

  

GSM1900 Ant1 Default									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8	30.50	20.12	20.19	20.02	21.50	
Frequency (MHz)	1850.2	1880	1909.8	30.50	20.12	20.19	20.02	21.50	
GSM 1 Tx slot	29.12	29.19	29.02	30.50	20.12	20.19	20.02	21.50	
GPRS 1 Tx slot	29.07	29.09	29.00	30.50	20.07	20.09	20.00	21.50	
GPRS 2 Tx slots	28.35	28.41	28.28	29.50	22.35	22.41	22.28	23.50	
GPRS 3 Tx slots	26.69	26.71	26.62	28.00	22.43	22.45	22.36	23.74	
GPRS 4 Tx slots	25.61	25.69	25.67	27.00	22.61	22.69	22.67	24.00	
EDGE 1 Tx slot	25.53	25.61	25.58	27.00	16.53	16.61	16.58	18.00	
EDGE 2 Tx slots	24.50	24.66	24.55	26.00	18.50	18.66	18.55	20.00	
EDGE 3 Tx slots	22.47	22.55	22.40	24.00	18.21	18.29	18.14	19.74	
EDGE 4 Tx slots	21.11	21.20	21.17	22.50	18.11	18.20	18.17	19.50	

  

Band	WCDMA II Default			Tune-up Limit (dBm)	WCDMA IV Ant1 Default			Tune-up Limit (dBm)	WCDMA V Ant1 Default			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9262	9400	9538	24.00	1312	1413	1513	24.00	4132	4182	4233	24.00
Rx Channel	9662	9800	9938	24.00	1537	1638	1738	24.00	4357	4407	4458	24.00
Frequency (MHz)	1852.4	1880	1907.6	23.00	1712.4	1732.6	1752.6	23.00	426.4	436.4	446.6	23.00
3GPP Rel 99 AMR 12.2Kbps	23.05	23.20	23.09	24.00	22.90	23.13	23.01	24.00	22.92	23.06	22.97	24.00
3GPP Rel 99 RMC 12.2Kbps	23.10	23.23	23.20	24.00	23.00	23.17	23.08	24.00	23.03	23.12	23.10	24.00
3GPP Rel 6 HSDPA Subtest-1	22.17	22.23	22.13	23.00	22.05	22.19	22.02	23.00	22.05	22.16	22.05	23.00
3GPP Rel 6 HSDPA Subtest-2	22.02	22.07	22.14	23.00	21.95	22.03	22.09	23.00	21.90	21.96	21.97	23.00
3GPP Rel 6 HSDPA Subtest-3	21.55	21.63	21.46	22.50	21.41	21.50	21.32	22.50	21.40	21.54	21.36	22.50
3GPP Rel 6 HSDPA Subtest-4	21.68	21.69	21.53	22.50	21.60	21.66	21.48	22.50	21.55	21.56	21.43	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	22.33	22.22	22.08	23.00	22.28	22.09	21.97	23.00	22.16	22.10	22.02	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.87	22.09	21.91	23.00	21.79	22.02	21.79	23.00	21.77	21.96	21.84	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.48	21.40	21.33	22.50	21.37	21.26	21.28	22.50	21.33	21.33	21.18	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	21.49	21.61	21.47	22.50	21.38	21.48	21.35	22.50	21.33	21.45	21.40	22.50
3GPP Rel 6 HSUPA Subtest-1	22.31	22.39	22.00	23.00	22.26	22.33	21.84	23.00	22.16	22.22	21.94	23.00
3GPP Rel 6 HSUPA Subtest-2	20.10	20.31	20.26	21.00	19.99	20.26	20.13	21.00	20.04	20.24	20.17	21.00
3GPP Rel 6 HSUPA Subtest-3	21.29	21.30	21.14	22.00	21.22	21.21	21.07	22.00	21.18	21.14	21.01	22.00
3GPP Rel 6 HSUPA Subtest-4	20.14	20.09	20.12	21.00	20.00	20.06	20.07	21.00	20.07	19.95	19.96	21.00
3GPP Rel 6 HSUPA Subtest-5	22.08	22.05	22.00	23.00	22.05	21.99	21.88	23.00	21.93	21.90	21.85	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.56	19.73	19.64	20.50	19.45	19.65	19.59	20.50	19.43	19.62	19.48	20.50



Band 2 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.49	22.50	22.43			
20	QPSK	1	49	22.43	22.50	22.43	24	0	
20	QPSK	1	99	22.23	22.39	22.23			
20	QPSK	50	0	21.46	21.58	21.42			
20	QPSK	50	24	21.49	21.57	21.43	23	1	
20	QPSK	50	50	21.27	21.46	21.24			
20	QPSK	100	0	21.28	21.41	21.31			
20	16QAM	1	0	21.38	21.44	21.21			
20	16QAM	1	49	21.32	21.42	21.28	23	1	
20	16QAM	1	99	21.32	21.43	21.28			
20	16QAM	50	0	20.38	20.51	20.41			
20	16QAM	50	24	20.41	20.53	20.46			
20	16QAM	50	50	20.33	20.47	20.27	22	2	
20	16QAM	100	0	20.27	20.48	20.24			
20	64QAM	1	0	20.47	20.53	20.46			
20	64QAM	1	49	20.55	20.63	20.57	22	2	
20	64QAM	1	99	20.36	20.45	20.36			
20	64QAM	50	0	19.45	19.62	19.57			
20	64QAM	50	24	19.56	19.85	19.52			
20	64QAM	50	50	19.58	19.85	19.48	21	3	
20	64QAM	100	0	19.55	19.60	19.53			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.45	22.49	22.38			
15	QPSK	1	37	22.34	22.40	22.38	24	0	
15	QPSK	1	74	22.15	22.36	22.23			
15	QPSK	36	0	21.34	21.48	21.37			
15	QPSK	36	20	21.44	21.47	21.39			
15	QPSK	36	39	21.14	21.42	21.10	23	1	
15	QPSK	75	0	21.14	21.30	21.18			
15	16QAM	1	0	20.30	20.32	20.12			
15	16QAM	1	37	21.29	21.32	21.17	23	1	
15	16QAM	1	74	21.17	21.31	21.07			
15	16QAM	36	0	20.27	20.43	20.27			
15	16QAM	36	20	20.35	20.40	20.33			
15	16QAM	36	39	20.25	20.44	20.20	22	2	
15	16QAM	75	0	20.21	20.37	20.20			
15	64QAM	1	0	20.34	20.45	20.41			
15	64QAM	1	37	20.42	20.48	20.49	22	2	
15	64QAM	1	74	20.23	20.36	20.24			
15	64QAM	36	0	19.54	19.55	19.53			
15	64QAM	36	20	19.46	19.68	19.47	21	3	
15	64QAM	36	39	19.37	19.49	19.45			
15	64QAM	75	0	19.52	19.46	19.44			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.34	22.43	22.29			
10	QPSK	1	25	22.35	22.42	22.31	24	0	
10	QPSK	1	49	22.09	22.26	22.22			
10	QPSK	25	0	21.36	21.45	21.34			
10	QPSK	25	12	21.39	21.50	21.37			
10	QPSK	25	25	21.15	21.42	21.19	23	1	
10	QPSK	50	0	21.33	21.33	21.22			
10	16QAM	1	0	21.27	21.35	21.09			
10	16QAM	1	25	21.18	21.31	21.19	23	1	
10	16QAM	1	49	21.26	21.32	21.20			
10	16QAM	25	0	20.31	20.48	20.36			
10	16QAM	25	12	20.38	20.39	20.38			
10	16QAM	25	25	20.18	20.42	20.17	22	2	
10	16QAM	50	0	20.13	20.44	20.18			
10	64QAM	1	0	20.40	20.47	20.37			
10	64QAM	1	25	20.42	20.37	20.41	22	2	
10	64QAM	1	49	20.32	20.39	20.29			
10	64QAM	25	0	19.39	19.48	19.51			
10	64QAM	25	12	19.42	19.57	19.42			
10	64QAM	25	25	19.41	19.42	19.43	21	3	
10	64QAM	50	0	19.43	19.46	19.48			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.42	22.52	22.31			
5	QPSK	1	12	22.32	22.36	22.35	24	0	
5	QPSK	1	24	22.19	22.27	22.17			
5	QPSK	12	0	21.40	21.55	21.28			
5	QPSK	12	7	21.25	21.45	21.33			
5	QPSK	12	13	21.20	21.38	21.15	23	1	
5	QPSK	25	0	21.17	21.29	21.17			
5	16QAM	1	0	21.33	21.32	21.09			
5	16QAM	1	12	21.26	21.38	21.17	23	1	
5	16QAM	1	24	21.20	21.36	21.24			
5	16QAM	12	0	20.23	20.41	20.37			
5	16QAM	12	7	20.27	20.48	20.38			
5	16QAM	12	13	20.24	20.37	20.21	22	2	
5	16QAM	25	0	20.20	20.40	20.18			
5	64QAM	1	0	20.27	20.39	20.41			
5	64QAM	1	12	20.47	20.49	20.52	22	2	
5	64QAM	1	24	20.24	20.31	20.29			
5	64QAM	12	0	19.37	19.52	19.51			
5	64QAM	12	7	19.52	19.55	19.41	21	3	
5	64QAM	12	13	19.37	19.37	19.44			
5	64QAM	25	0	19.43	19.49	19.48			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.36	22.50	22.40			
3	QPSK	1	8	22.39	22.41	22.39	24	0	
3	QPSK	1	14	22.10	22.35	22.16			
3	QPSK	8	0	21.32	21.38	21.37			
3	QPSK	8	4	21.37	21.51	21.37			
3	QPSK	8	7	21.12	21.38	21.12	23	1	
3	QPSK	15	0	21.20	21.38	21.21			
3	16QAM	1	0	21.26	21.38	21.18			
3	16QAM	1	8	21.26	21.34	21.13			
3	16QAM	1	14	21.24	21.41	21.24	23	1	
3	16QAM	8	0	20.34	20.47	20.37			
3	16QAM	8	4	20.37	20.45	20.40			
3	16QAM	8	7	20.24	20.37	20.12	22	2	
3	16QAM	15	0	20.24	20.33	20.15			
3	64QAM	1	0	20.38	20.38	20.33			
3	64QAM	1	8	20.46	20.56	20.48	22	2	
3	64QAM	1	14	20.27	20.41	20.23			
3	64QAM	8	0	19.35	19.50	19.44			
3	64QAM	8	4	19.47	19.54	19.46	21	3	
3	64QAM	8	7	19.39	19.47	19.38			
3	64QAM	15	0	19.44	19.48	19.39			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.37	22.40	22.28			
1.4	QPSK	1	3	22.28	22.38	22.23			
1.4	QPSK	1	3	22.15	22.38	22.17	24	0	
1.4	QPSK	3	0	22.14	22.36	22.24			
1.4	QPSK	3	1	22.33	22.39	22.27			
1.4	QPSK	3	3	22.14	22.38	22.33			
1.4	QPSK	6	0	21.34	21.49	21.35	23	1	
1.4	16QAM	1	0	21.42	21.44	21.39			
1.4	16QAM	1	3	21.31	21.37	21.26			
1.4	16QAM	1	5	21.19	21.35	21.33			
1.4	16QAM	3	0	21.27	21.27	21.14	23	1	
1.4	16QAM	3	1	21.12	21.16	21.24			
1.4	16QAM	3	3	21.18	21.36	21.29			
1.4	16QAM	6	0	20.33	20.38	20.32	22	2	
1.4	64QAM	1	0	20.37	20.52	20.34			
1.4	64QAM	1	3	20.36	20.30	20.19			
1.4	64QAM	1	5	20.26	20.35	20.15	22	2	
1.4	64QAM	3	0	20.45	20.50	20.37			
1.4	64QAM	3	1	20.47	20.42	20.53			
1.4	64QAM	3	3	20.22	20.37	20.27			
1.4	64QAM	6	0	19.48	19.54	19.52	21	3	

Band 4 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.35	22.46	22.42			
20	QPSK	1	49	22.28	22.31	22.24	24	0	
20	QPSK	1	99	22.21	22.27	22.14			
20	QPSK	50	0	21.29	21.43	21.30			
20	QPSK	50	24	21.28	21.40	21.34	23	1	
20	QPSK	50	50	21.35	21.41	21.27			
20									



Band 7 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.90	22.99	22.94			
20	QPSK	1	49	22.88	22.89	22.87	24	0	
20	QPSK	1	99	22.85	22.91	22.81			
20	QPSK	50	0	21.84	22.04	21.96			
20	QPSK	50	24	21.85	21.99	21.86	23	1	
20	QPSK	50	50	21.75	21.88	21.85			
20	QPSK	100	0	21.78	21.92	21.90			
20	16QAM	1	0	21.76	21.85	21.80			
20	16QAM	1	49	21.83	21.87	21.83	23	1	
20	16QAM	1	99	21.71	21.81	21.68			
20	16QAM	50	0	20.74	20.83	20.80			
20	16QAM	50	24	20.82	20.88	20.78	22	2	
20	16QAM	50	50	20.93	20.96	20.91			
20	16QAM	100	0	20.84	20.90	20.80			
20	64QAM	1	0	20.75	20.83	20.80			
20	64QAM	1	49	21.06	21.06	21.03	22	2	
20	64QAM	1	99	20.82	21.00	20.94			
20	64QAM	50	0	19.96	20.03	20.01			
20	64QAM	50	24	20.03	20.11	20.02	21	3	
20	64QAM	50	50	20.03	20.17	20.12			
20	64QAM	100	0	19.86	19.97	19.92			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.86	22.93	22.89			
15	QPSK	1	37	22.78	22.85	22.79	24	0	
15	QPSK	1	74	22.75	22.79	22.71			
15	QPSK	36	0	21.71	21.99	21.86			
15	QPSK	36	20	21.78	21.94	21.77	23	1	
15	QPSK	36	39	21.64	21.74	21.82			
15	QPSK	75	0	21.72	21.79	21.81			
15	16QAM	1	0	21.71	21.81	21.72			
15	16QAM	1	37	21.68	21.78	21.78	23	1	
15	16QAM	1	74	21.64	21.72	21.62			
15	16QAM	36	0	20.60	20.69	20.68			
15	16QAM	36	20	20.67	20.85	20.64	22	2	
15	16QAM	36	39	20.86	20.82	20.75			
15	16QAM	75	0	20.74	20.77	20.76			
15	64QAM	1	0	20.81	20.71	20.67			
15	64QAM	1	37	21.01	20.93	20.96	22	2	
15	64QAM	1	74	20.78	20.87	20.81			
15	64QAM	36	0	19.93	19.96	19.96			
15	64QAM	36	20	19.88	20.03	19.99	21	3	
15	64QAM	36	39	19.98	20.05	19.98			
15	64QAM	75	0	19.75	19.91	19.84			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.82	22.88	22.82			
10	QPSK	1	25	22.75	22.85	22.80	24	0	
10	QPSK	1	49	22.76	22.85	22.75			
10	QPSK	25	0	21.73	21.98	21.84	23	1	
10	QPSK	25	12	21.74	21.86	21.81			
10	QPSK	25	25	21.67	21.76	21.78			
10	QPSK	50	0	21.69	21.80	21.86			
10	16QAM	1	0	21.64	21.79	21.67			
10	16QAM	1	25	21.70	21.75	21.71	23	1	
10	16QAM	1	49	21.64	21.66	21.54			
10	16QAM	25	0	20.69	20.74	20.66			
10	16QAM	25	12	20.78	20.80	20.69	22	2	
10	16QAM	25	25	20.86	20.84	20.77			
10	16QAM	50	0	20.78	20.86	20.65			
10	64QAM	1	0	20.64	20.79	20.68			
10	64QAM	1	25	20.82	20.95	20.96	22	2	
10	64QAM	1	49	20.80	20.95	20.84			
10	64QAM	25	0	19.83	19.92	19.87			
10	64QAM	25	12	19.81	20.01	19.88	21	3	
10	64QAM	25	25	19.89	20.10	20.07			
10	64QAM	50	0	19.81	19.87	19.88			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.87	22.84	22.85			
5	QPSK	1	12	22.83	22.82	22.77	24	0	
5	QPSK	1	24	22.72	22.84	22.67			
5	QPSK	12	0	21.78	21.96	21.83	23	1	
5	QPSK	12	7	21.73	21.88	21.77			
5	QPSK	12	13	21.71	21.82	21.72			
5	QPSK	25	0	21.84	21.89	21.76			
5	16QAM	1	0	21.72	21.71	21.72			
5	16QAM	1	12	21.72	21.75	21.73	23	1	
5	16QAM	1	24	21.64	21.72	21.61			
5	16QAM	12	0	20.86	20.88	20.70			
5	16QAM	12	7	20.73	20.85	20.73	22	2	
5	16QAM	12	13	20.88	20.86	20.75			
5	16QAM	25	0	20.77	20.84	20.73			
5	64QAM	1	0	20.67	20.75	20.77			
5	64QAM	1	12	20.83	20.82	20.82	22	2	
5	64QAM	1	24	20.87	20.88	20.81			
5	64QAM	12	0	19.87	19.87	19.86			
5	64QAM	12	7	19.93	20.07	19.99	21	3	
5	64QAM	12	13	19.99	20.06	20.08			
5	64QAM	25	0	19.73	19.91	19.80			



Band 38 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3800	3815				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.82	22.87	22.78	24	0		
20	QPSK	1	49	22.71	22.75	22.85				
20	QPSK	1	99	22.70	22.76	22.78				
20	QPSK	50	0	21.71	21.82	21.70				
20	QPSK	50	24	21.68	21.73	21.62	23	1		
20	QPSK	50	50	21.69	21.79	21.63				
20	QPSK	100	0	21.67	21.70	21.64				
20	16QAM	1	0	21.57	21.58	21.67				
20	16QAM	1	49	21.52	21.70	21.54	23	1		
20	16QAM	1	99	21.45	21.52	21.44				
20	16QAM	50	0	20.76	20.85	20.75				
20	16QAM	50	24	20.61	20.77	20.64	22	2		
20	16QAM	50	50	20.68	20.78	20.71				
20	16QAM	100	0	20.67	20.74	20.66				
20	64QAM	1	0	20.31	20.43	20.34				
20	64QAM	1	49	20.42	20.53	20.48	22	2		
20	64QAM	1	99	20.48	20.49	20.43				
20	64QAM	50	0	19.84	19.89	19.86				
20	64QAM	50	24	19.81	19.90	19.80	21	3		
20	64QAM	50	50	19.86	19.91	19.78				
20	64QAM	100	0	19.74	19.92	19.82				
Channel				37625	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.72	22.78	22.74	24	0		
15	QPSK	1	37	22.62	22.61	22.51				
15	QPSK	1	74	22.80	22.67	22.69				
15	QPSK	38	0	21.59	21.71	21.66				
15	QPSK	38	20	21.56	21.61	21.49	23	1		
15	QPSK	38	39	21.61	21.72	21.51				
15	QPSK	75	0	21.62	21.61	21.55				
15	16QAM	1	0	21.48	21.52	21.83				
15	16QAM	1	37	21.37	21.63	21.45	23	1		
15	16QAM	1	74	21.32	21.41	21.35				
15	16QAM	38	0	20.68	20.75	20.71				
15	16QAM	38	20	20.47	20.71	20.52	22	2		
15	16QAM	38	39	20.53	20.66	20.63				
15	16QAM	75	0	20.53	20.62	20.57				
15	64QAM	1	0	20.27	20.40	20.23				
15	64QAM	1	37	20.34	20.44	20.43	22	2		
15	64QAM	1	74	20.35	20.38	20.28				
15	64QAM	38	0	19.73	19.77	19.78				
15	64QAM	38	20	19.76	19.79	19.74	21	3		
15	64QAM	38	39	19.81	19.87	19.65				
15	64QAM	75	0	19.67	19.85	19.78				
Channel				37800	38000	38200				
Frequency (MHz)				2572.5	2595	2617.5				
10	QPSK	1	0	22.73	22.74	22.74	24	0		
10	QPSK	1	25	22.61	22.67	22.51				
10	QPSK	1	49	22.63	22.69	22.66				
10	QPSK	25	0	21.58	21.74	21.80	23	1		
10	QPSK	25	12	21.52	21.59	21.58				
10	QPSK	25	25	21.63	21.64	21.59				
10	QPSK	50	0	21.83	21.59	21.80				
10	16QAM	1	0	21.43	21.59	21.61				
10	16QAM	1	25	21.38	21.62	21.50	23	1		
10	16QAM	1	49	21.35	21.39	21.40				
10	16QAM	25	0	20.62	20.75	20.64				
10	16QAM	25	12	20.53	20.74	20.56	22	2		
10	16QAM	25	25	20.58	20.73	20.63				
10	16QAM	50	0	20.57	20.60	20.52				
10	64QAM	1	0	20.20	20.34	20.24				
10	64QAM	1	25	20.27	20.48	20.38	22	2		
10	64QAM	1	49	20.34	20.40	20.34				
10	64QAM	25	0	19.75	19.83	19.74				
10	64QAM	25	12	19.71	19.76	19.71	21	3		
10	64QAM	25	25	19.73	19.80	19.67				
10	64QAM	50	0	19.60	19.84	19.77				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.70	22.61	22.66	24	0		
5	QPSK	1	12	22.58	22.70	22.52				
5	QPSK	1	24	22.60	22.63	22.66				
5	QPSK	12	0	21.67	21.72	21.58				
5	QPSK	12	7	21.59	21.69	21.48	23	1		
5	QPSK	12	13	21.55	21.75	21.59				
5	QPSK	25	0	21.80	21.58	21.53				
5	16QAM	1	0	21.51	21.53	21.58				
5	16QAM	1	12	21.43	21.55	21.48	23	1		
5	16QAM	1	24	21.30	21.49	21.30				
5	16QAM	12	0	20.71	20.77	20.67				
5	16QAM	12	7	20.48	20.68	20.56	22	2		
5	16QAM	12	13	20.55	20.74	20.64				
5	16QAM	25	0	20.61	20.70	20.57				
5	64QAM	1	0	20.22	20.34	20.30				
5	64QAM	1	12	20.31	20.43	20.38	22	2		
5	64QAM	1	24	20.37	20.44	20.28				
5	64QAM	12	0	19.76	19.76	19.83				
5	64QAM	12	7	19.68	19.84	19.71	21	3		
5	64QAM	12	13	19.78	19.78	19.73				
5	64QAM	25	0	19.66	19.87	19.68				

Band 41 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.81	22.70	22.89	22.77	22.75	24	0
20	QPSK	1	49	22.73	22.74	22.80	22.80	22.76		
20	QPSK	1	99	22.60	22.72	22.78	22.71	22.74		
20	QPSK	50	0	21.80	21.70	21.84	21.67	21.62		
20	QPSK	50	24	21.75	21.71	21.73	21.71	21.75	23	1
20	QPSK	50	50	21.83	21.76	21.76	21.70	21.73		
20	QPSK	100	0	21.76	21.68	21.78	21.72	21.75		
20	16QAM	1	0	21.65	21.67	21.73	21.65	21.72		
20	16QAM	1	49	21.78	21.78	21.75	21.73	21.73	23	1
20	16QAM	1	99	21.79	21.70	21.76	21.71	21.63		
20	16QAM	50	0	20.81	20.69	20.76	20.68	20.65		
20	16QAM	50	24	20.74	20.72	20.77	20.69	20.73	22	2
20	16QAM	50	50	20.74	20.67	20.81	20.70	20.71		
20	16QAM	100	0	20.82	20.63	20.77	20.68	20.76		
20	64QAM	1	0	20.32	20.36	20.51	20.48	20.48		
20	64QAM	1	49	20.52	20.44	20.47	20.44	20.53	22	2
20	64QAM	1	99	20.48	20.37	20.50	20.37	20.38		
20	64QAM	50	0	19.82	19.74	19.92	19.79	19.93		
20	64QAM	50	24	19.96	19.89	19.96	19.81	19.80	21	3
20	64QAM	50	50	19.83	19.81	19.83	19.85	19.86		
20	64QAM	100	0	19.89	19.83	19.85	19.78	19.81		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5		
15	QPSK	1	0	22.66	22.64	22.80	22.71	22.61	24	0
15	QPSK	1	37	22.67	22.68	22.69	22.66	22.66		
15	QPSK	1	74	22.56	22.60	22.62	22.59	22.67		
15	QPSK	38	0	21.72	21.87	21.71	21.65	21.52		
15	QPSK	38	20	21.64	21.82	21.67	21.60	21.60	23	1
15	QPSK	38	39	21.71	21.68	21.65	21.58	21.62		
15	QPSK	75	0	21.66	21.57	21.72	21.63	21.68		
15	16QAM	1	0	21.60	21.62	21.67	21.51	21.65		
15	16QAM	1	37	21.69	21.67	21.63	21.61	21.70	23	1
15	16QAM	1	74	21.72	21.57	21.70	21.66	21.51		
15	16QAM	38	0	20.73	20.55</					



GSM850 Ant7 Default								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.32	31.38	31.36	32.50	22.32	22.38	22.36	23.50
GPRS 1 Tx slot	31.31	31.35	31.22	32.50	22.31	22.35	22.22	23.50
GPRS 2 Tx slots	30.35	30.42	30.36	31.50	24.35	24.42	24.36	25.50
GPRS 3 Tx slots	28.53	28.61	28.51	29.50	24.27	24.35	24.25	25.24
GPRS 4 Tx slots	27.36	27.47	27.34	28.50	24.36	24.47	24.34	25.50
EDGE 1 Tx slot	25.68	25.78	25.74	26.50	16.68	16.78	16.74	17.50
EDGE 2 Tx slots	24.59	24.73	24.59	25.50	18.59	18.73	18.59	19.50
EDGE 3 Tx slots	22.53	22.63	22.58	23.50	18.27	18.37	18.32	19.24
EDGE 4 Tx slots	21.30	21.38	21.34	22.50	18.30	18.38	18.34	19.50

GSM1900 Ant7 Default								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.80	26.88	26.82	28.50	17.80	17.88	17.82	19.50
GPRS 1 Tx slot	26.73	26.83	26.76	28.50	17.73	17.83	17.76	19.50
GPRS 2 Tx slots	26.09	26.21	26.15	27.50	20.09	20.21	20.15	21.50
GPRS 3 Tx slots	24.35	24.48	24.38	26.00	20.09	20.22	20.12	21.74
GPRS 4 Tx slots	23.33	23.45	23.37	25.00	20.33	20.45	20.37	22.00
EDGE 1 Tx slot	23.28	23.43	23.25	25.00	14.28	14.43	14.25	16.00
EDGE 2 Tx slots	22.31	22.42	22.29	24.00	16.31	16.42	16.29	18.00
EDGE 3 Tx slots	20.21	20.34	20.28	22.00	15.95	16.08	16.00	17.74
EDGE 4 Tx slots	18.97	19.04	18.94	20.50	15.97	16.04	15.94	17.50

Band	WCDMA II Ant7 Default			Tune-up Limit (dBm)	WCDMA IV Ant7 Default			Tune-up Limit (dBm)	WCDMA V Ant7 Default			Tune-up Limit (dBm)	
	WCDMA II	1312	1413		1513	4132	4182		4233				
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	20.70	20.75	20.67	22.00	20.85	21.11	21.07	22.00	21.50	21.68	21.65	23.00
3GPP Rel 99	RMC 12.2Kbps	20.77	20.80	20.73	22.00	20.99	21.19	21.14	22.00	21.59	21.75	21.68	23.00
3GPP Rel 6	HSDPA Subtest-1	19.82	20.00	19.78	21.00	20.08	20.21	20.02	21.00	20.71	20.85	20.81	22.00
3GPP Rel 6	HSDPA Subtest-2	19.72	19.76	19.69	21.00	19.99	20.01	19.99	21.00	20.62	20.60	20.54	22.00
3GPP Rel 6	HSDPA Subtest-3	19.10	19.22	19.05	20.50	19.38	19.46	19.33	20.50	19.98	20.09	19.96	21.50
3GPP Rel 6	HSDPA Subtest-4	19.33	19.37	19.35	20.50	19.66	19.56	19.60	20.50	20.19	20.16	20.15	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.79	19.81	19.77	21.00	20.01	20.09	20.09	21.00	20.65	20.73	20.68	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.63	19.66	19.62	21.00	19.91	19.97	19.83	21.00	20.46	20.51	20.45	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.88	19.09	18.97	20.50	19.21	19.39	19.21	20.50	19.86	19.99	19.79	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.12	19.09	19.03	20.50	19.31	19.49	19.29	20.50	19.93	20.04	19.93	21.50
3GPP Rel 6	HSUPA Subtest-1	19.75	19.95	19.67	21.00	20.06	20.19	19.99	21.00	20.65	20.76	20.60	22.00
3GPP Rel 6	HSUPA Subtest-2	17.73	18.01	17.87	19.00	18.02	18.18	18.19	19.00	18.66	18.82	18.80	20.00
3GPP Rel 6	HSUPA Subtest-3	18.86	19.03	18.98	20.00	18.99	19.26	19.23	20.00	19.64	19.86	19.82	21.00
3GPP Rel 6	HSUPA Subtest-4	17.75	17.87	17.67	19.00	17.99	18.16	17.93	19.00	18.64	18.73	18.55	20.00
3GPP Rel 6	HSUPA Subtest-5	19.56	19.68	19.70	21.00	19.98	20.02	19.94	21.00	20.51	20.64	20.55	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.29	17.43	17.35	18.50	17.61	17.74	17.55	18.50	18.17	18.28	18.17	19.50



Band 2 Ant7 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	RB Size	RB Offset	18700	18900	19100	19300				
20	QPSK	1	0	20.49	20.55	20.40				
20	QPSK	1	49	20.47	20.51	20.36		22	0	
20	QPSK	1	99	20.26	20.39	20.30				
20	QPSK	50	0	19.42	19.54	19.41				
20	QPSK	50	24	19.41	19.50	19.42		21	1	
20	QPSK	50	50	19.34	19.42	19.30				
20	QPSK	100	0	19.33	19.45	19.31				
20	16QAM	1	0	19.22	19.34	19.27				
20	16QAM	1	49	19.20	19.36	19.26		21	1	
20	16QAM	1	99	19.22	19.31	19.26				
20	16QAM	50	0	18.39	18.46	18.32				
20	16QAM	50	24	18.44	18.51	18.46		20	2	
20	16QAM	50	50	18.36	18.40	18.25				
20	16QAM	100	0	18.39	18.42	18.30				
20	64QAM	1	0	18.53	18.64	18.56				
20	64QAM	1	49	18.47	18.60	18.49		20	2	
20	64QAM	1	99	18.35	18.49	18.37				
20	64QAM	50	0	17.58	17.64	17.57				
20	64QAM	50	24	17.55	17.65	17.50				
20	64QAM	50	50	17.48	17.55	17.48		19	3	
20	64QAM	100	0	17.51	17.60	17.50				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	RB Size	RB Offset	18675	18900	19125	19250				
15	QPSK	1	0	20.42	20.47	20.29				
15	QPSK	1	37	20.43	20.43	20.22		22	0	
15	QPSK	1	74	20.12	20.27	20.24				
15	QPSK	36	0	19.32	19.45	19.32				
15	QPSK	36	20	19.30	19.38	19.32				
15	QPSK	36	39	19.26	19.35	19.21		21	1	
15	QPSK	75	0	19.22	19.36	19.19				
15	16QAM	1	0	19.22	19.34	19.21				
15	16QAM	1	37	19.23	19.24	19.15		21	1	
15	16QAM	1	74	19.17	19.20	19.13				
15	16QAM	36	0	18.34	18.41	18.28				
15	16QAM	36	20	18.40	18.42	18.34				
15	16QAM	36	39	18.32	18.37	18.18		20	2	
15	16QAM	75	0	18.31	18.27	18.19				
15	64QAM	1	0	18.38	18.49	18.50				
15	64QAM	1	37	18.35	18.52	18.36		20	2	
15	64QAM	1	74	18.21	18.40	18.23				
15	64QAM	36	0	17.48	17.58	17.53				
15	64QAM	36	20	17.49	17.67	17.44				
15	64QAM	36	39	17.33	17.45	17.38		19	3	
15	64QAM	75	0	17.38	17.56	17.41				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	RB Size	RB Offset	18650	18800	19150	19250				
10	QPSK	1	0	20.35	20.45	20.29				
10	QPSK	1	25	20.41	20.40	20.21		22	0	
10	QPSK	1	49	20.11	20.28	20.17				
10	QPSK	25	0	19.28	19.46	19.29				
10	QPSK	25	12	19.36	19.39	19.31				
10	QPSK	25	25	19.20	19.31	19.22				
10	QPSK	50	0	19.32	19.40	19.17				
10	16QAM	1	0	19.17	19.26	19.18				
10	16QAM	1	25	19.26	19.33	19.21		21	1	
10	16QAM	1	49	19.07	19.20	19.14				
10	16QAM	25	0	18.36	18.34	18.28				
10	16QAM	25	12	18.35	18.43	18.33				
10	16QAM	25	25	18.23	18.32	18.19				
10	16QAM	50	0	18.28	18.37	18.20				
10	64QAM	1	0	18.41	18.58	18.41				
10	64QAM	1	25	18.37	18.46	18.41		20	2	
10	64QAM	1	49	18.21	18.34	18.33				
10	64QAM	25	0	17.44	17.53	17.47				
10	64QAM	25	12	17.42	17.53	17.41				
10	64QAM	25	25	17.34	17.48	17.46		19	3	
10	64QAM	50	0	17.41	17.49	17.34				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	RB Size	RB Offset	18625	18900	19175	19250				
5	QPSK	1	0	20.41	20.52	20.36				
5	QPSK	1	12	20.38	20.47	20.33		22	0	
5	QPSK	1	24	20.11	20.26	20.23				
5	QPSK	12	0	19.36	19.44	19.28				
5	QPSK	12	7	19.32	19.40	19.27				
5	QPSK	12	13	19.19	19.38	19.15		21	1	
5	QPSK	25	0	19.25	19.37	19.19				
5	16QAM	1	0	19.14	19.30	19.16				
5	16QAM	1	12	19.19	19.30	19.12		21	1	
5	16QAM	1	24	19.18	19.20	19.17				
5	16QAM	12	0	18.35	18.39	18.21				
5	16QAM	12	7	18.39	18.38	18.38				
5	16QAM	12	13	18.27	18.30	18.15		20	2	
5	16QAM	25	0	18.33	18.27	18.26				
5	64QAM	1	0	18.34	18.54	18.46				
5	64QAM	1	12	18.39	18.54	18.37		20	2	
5	64QAM	1	24	18.20	18.36	18.26				
5	64QAM	12	0	17.48	17.52	17.48				
5	64QAM	12	7	17.50	17.50	17.39				
5	64QAM	12	13	17.39	17.46	17.37		19	3	
5	64QAM	25	0	17.44	17.48	17.36				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	RB Size	RB Offset	18615	18900	19185	19250				
3	QPSK	1	0	20.43	20.50	20.28				
3	QPSK	1	8	20.42	20.37	20.21		22	0	
3	QPSK	1	14	20.17	20.31	20.27				
3	QPSK	8	0	19.31	19.39	19.32				
3	QPSK	8	4	19.36	19.40	19.29				
3	QPSK	8	7	19.19	19.32	19.15		21	1	
3	QPSK	15	0	19.25	19.33	19.21				
3	16QAM	1	0	19.17	19.28	19.22				
3	16QAM	1	8	19.25	19.24	19.20		21	1	
3	16QAM	1	14	19.11	19.18	19.22				
3	16QAM	8	0	18.24	18.37	18.20				
3	16QAM	8	4	18.29	18.43	18.32				
3	16QAM	8	7	18.28	18.33	18.22		20	2	
3	16QAM	15	0	18.25	18.29	18.17				
3	64QAM	1	0	18.47	18.53	18.47				
3	64QAM	1	8	18.39	18.53	18.42		20	2	
3	64QAM	1	14	18.30	18.44	18.27				
3	64QAM	8	0	17.55	17.49	17.43				
3	64QAM	8	4	17.49	17.62	17.43				
3	64QAM	8	7	17.37	17.49	17.43		19	3	
3	64QAM	15	0	17.45	17.47	17.43				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	RB Size	RB Offset	18607	18900	19193	19250				
1.4	QPSK	1	0	20.37	20.45	20.37				
1.4	QPSK	1	3	20.40	20.39	20.24		22	0	
1.4	QPSK	1	6	20.12	20.32	20.20				
1.4	QPSK	3	0	20.35	20.41	20.35				
1.4	QPSK	3	1	20.38	20.38	20.27				
1.4	QPSK	3	3	20.23	20.35	20.25				
1.4	QPSK	6	0	19.29	19.51	19.32		21	1	
1.4	16QAM	1	0	19.34	19.38	19.31				
1.4	16QAM	1	3	19.20	19.39	19.22				
1.4	16QAM	1	5	19.26	19.36	19.26				
1.4	16QAM	3	0	19.12	19.25	19.20		21	1	
1.4	16QAM	3	1	19.27	19.23	19.21				
1.4	16QAM	3	3	19.18	19.20	19.18				
1.4	16QAM	6	0	18.30	18.40	18.27		20	2	
1.4	64QAM	1	0	18.35	18.38	18.38				
1.4	64QAM	1	3	18.23	18.28	18.16				
1.4	64QAM	1	5	18.24	18.37	18.24				
1.4	64QAM	3	0	18.44	18.59	18.44		20	2	
1.4	64QAM	3	1	18.34	18.45	18.39				
1.4	64QAM	3	3	18.31	18.46	18.34				
1.4	64QAM	6	0	17.52	17.59	17.39		19	3	

Band 4 Ant7 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	RB Size	RB Offset	20050	20175	20300	20350				
20	QPSK	1	0	20.31	20.39	20.36				
20	QPSK	1	49	20.29	20.35	20.21		22	0	
20	QPSK	1	99	20.14	20.20	20.15				
20	QPSK	50	0	19.34	19.38	19.25				
20	QPSK	50	24	19.26	19.37	19.24		21	1	
20	QPSK	50	50	19.28	19.32	19.29				
20	QPSK	100	0	19.30	19.34	19.25				
20	16QAM	1	0	19.26	19.31	19.20				
20	16QAM	1	49	19.21	19.26	19.14		21	1	
20	16QAM	1	99	19.23	19.29	19.24				
20	16QAM	50	0	18.45	18.51</					





Reduced Power for DSI 6 for Main PA

GSM850 Ant1 Default								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	178	189	251		178	189	251	
TX Channel	924.2	935.4	946.6	924.2	935.4	946.6	924.2	935.4
Frequency (MHz)	32.87	32.91	32.84	33.50	23.87	23.91	23.84	24.50
GSM 1 Tx slot	32.76	32.82	32.70	33.50	23.76	23.82	23.70	24.50
GPRS 1 Tx slot	31.81	31.87	31.73	32.50	25.81	25.87	25.73	26.50
GPRS 2 Tx slots	29.99	30.09	29.98	31.00	25.73	25.83	25.72	26.74
GPRS 3 Tx slots	28.87	28.98	28.87	30.00	25.87	25.98	25.87	27.00
GPRS 4 Tx slots	27.19	27.24	27.20	28.50	18.19	18.24	18.20	19.50
EDGE 1 Tx slot	26.06	26.18	26.06	27.50	20.06	20.18	20.06	21.50
EDGE 2 Tx slots	24.06	24.20	24.10	25.50	19.80	19.94	19.84	21.24
EDGE 3 Tx slots	22.74	22.86	22.82	24.00	19.74	19.86	19.82	21.00
EDGE 4 Tx slots								

GSM1900 Ant1 DS16								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880
Frequency (MHz)	23.63	23.71	23.51	25.00	14.63	14.71	14.51	16.00
GSM 1 Tx slot	23.59	23.61	23.51	25.00	14.59	14.61	14.51	16.00
GPRS 1 Tx slot	22.83	22.90	22.78	24.00	16.83	16.90	16.78	18.00
GPRS 2 Tx slots	21.18	21.20	21.11	22.50	16.92	16.94	16.85	18.24
GPRS 3 Tx slots	20.12	20.21	20.19	21.50	17.12	17.21	17.19	18.50
GPRS 4 Tx slots	20.03	20.10	20.07	21.50	11.03	11.10	11.07	12.50
EDGE 1 Tx slot	18.99	19.16	19.07	20.50	12.99	13.16	13.07	14.50
EDGE 2 Tx slots	16.97	17.07	16.89	18.50	12.71	12.81	12.63	14.24
EDGE 3 Tx slots	15.61	15.68	15.68	17.00	12.61	12.68	12.68	14.00
EDGE 4 Tx slots								

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938	9662	1537	1638	1738	9662	9800	9938	9662	9800	9938
Rx Channel	1852.4	1880	1907.6	1852.4	1712.4	1732.6	1752.6	1852.4	1880	1907.6	1852.4	1880	1907.6
Frequency (MHz)	18.11	18.13	18.04	19.00	18.97	19.09	19.05	20.00	22.92	23.06	22.97	24.00	24.00
3GPP Rel 99	18.15	18.23	18.08	19.00	18.96	19.20	19.15	20.00	23.03	23.12	23.10	24.00	24.00
3GPP Rel 99	17.25	17.33	17.04	18.00	18.13	18.31	18.11	19.00	22.05	22.16	22.05	23.00	23.00
3GPP Rel 6	16.96	17.05	17.16	18.00	18.00	18.01	18.11	19.00	21.90	21.96	21.97	23.00	23.00
3GPP Rel 6	16.50	16.74	16.47	17.50	17.48	17.41	17.23	18.50	21.40	21.54	21.36	22.50	22.50
3GPP Rel 6	16.71	16.71	16.63	17.50	17.81	17.78	17.48	18.50	21.55	21.56	21.43	22.50	22.50
3GPP Rel 8	17.37	17.17	17.03	18.00	18.30	18.11	17.91	19.00	22.16	22.10	22.02	23.00	23.00
3GPP Rel 8	16.94	17.20	16.50	18.00	17.86	18.03	17.74	19.00	21.77	21.96	21.84	23.00	23.00
3GPP Rel 8	16.55	16.39	16.36	17.50	17.39	17.30	17.33	18.50	21.33	21.33	21.18	22.50	22.50
3GPP Rel 8	16.59	16.61	16.40	17.50	17.46	17.54	17.35	18.50	21.33	21.45	21.40	22.50	22.50
3GPP Rel 6	17.33	17.48	17.22	18.00	18.26	18.43	18.56	19.00	22.16	22.22	21.94	23.00	23.00
3GPP Rel 6	15.18	15.29	15.34	16.00	15.96	16.38	16.06	17.00	20.04	20.24	20.17	21.00	21.00
3GPP Rel 6	16.34	16.37	16.25	17.00	17.18	17.12	17.09	18.00	21.18	21.14	21.01	22.00	22.00
3GPP Rel 6	15.03	15.11	15.17	16.00	16.11	16.07	16.08	17.00	20.07	19.95	19.96	21.00	21.00
3GPP Rel 6	17.11	17.13	17.09	18.00	17.94	18.01	17.77	19.00	21.93	21.90	21.85	23.00	23.00
3GPP Rel 7	14.45	14.72	14.62	15.50	15.34	15.63	15.51	16.50	19.43	19.62	19.48	20.50	20.50



Band 2 Ant1 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.57	18.64	18.74				
20	QPSK	1	49	18.37	18.47	18.32	20	0		
20	QPSK	1	99	18.22	18.45	18.37				
20	QPSK	50	0	18.37	18.60	18.16				
20	QPSK	50	24	18.18	18.29	18.32	20	0		
20	QPSK	50	50	18.16	18.41	18.17				
20	QPSK	100	0	18.48	18.58	18.27				
20	16QAM	1	0	18.55	18.56	18.15				
20	16QAM	1	49	18.33	18.39	18.30	20	0		
20	16QAM	1	99	18.13	18.44	18.20				
20	16QAM	50	0	18.49	18.61	18.30				
20	16QAM	50	24	18.18	18.29	18.12	20	0		
20	16QAM	50	50	18.14	18.32	18.25				
20	16QAM	100	0	18.27	18.36	18.32				
20	64QAM	1	0	18.08	18.36	18.27				
20	64QAM	1	49	18.54	18.57	18.18	20	0		
20	64QAM	1	99	18.36	18.44	18.27				
20	64QAM	50	0	18.40	18.44	18.32				
20	64QAM	50	24	18.26	18.49	18.19	20	0		
20	64QAM	50	50	18.18	18.25	18.23				
20	64QAM	100	0	18.19	18.39	18.16				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.17	18.46	18.12				
15	QPSK	1	37	18.10	18.30	18.27	20	0		
15	QPSK	1	74	18.37	18.49	18.10				
15	QPSK	36	0	18.37	18.48	18.16				
15	QPSK	36	20	18.13	18.18	18.16	20	0		
15	QPSK	36	39	18.01	18.41	18.00				
15	QPSK	75	0	18.58	18.40	18.21				
15	16QAM	1	0	18.17	18.44	18.11				
15	16QAM	1	37	18.25	18.23	18.16	20	0		
15	16QAM	1	74	18.18	18.37	18.20				
15	16QAM	36	0	18.33	18.48	18.27				
15	16QAM	36	20	18.22	18.30	18.26	20	0		
15	16QAM	36	39	18.14	18.27	18.23				
15	16QAM	75	0	18.27	18.45	18.15				
15	64QAM	1	0	18.06	18.35	18.20				
15	64QAM	1	37	18.34	18.34	18.23	20	0		
15	64QAM	1	74	18.13	18.34	18.22				
15	64QAM	36	0	18.37	18.36	18.21				
15	64QAM	36	20	18.20	18.29	18.30	20	0		
15	64QAM	36	39	18.25	18.45	18.13				
15	64QAM	75	0	18.19	18.21	18.12				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.18	18.29	18.32				
10	QPSK	1	25	18.22	18.43	18.30	20	0		
10	QPSK	1	49	18.19	18.40	18.06				
10	QPSK	25	0	18.15	18.42	18.30				
10	QPSK	25	12	18.22	18.41	18.38	20	0		
10	QPSK	25	25	18.37	18.36	18.11				
10	QPSK	50	0	18.45	18.45	18.09				
10	16QAM	1	0	18.45	18.40	18.15				
10	16QAM	1	25	18.34	18.24	18.15	20	0		
10	16QAM	1	49	18.24	18.24	18.08				
10	16QAM	25	0	18.35	18.25	18.14				
10	16QAM	25	12	18.03	18.37	18.39	20	0		
10	16QAM	25	25	18.19	18.53	18.10				
10	16QAM	50	0	18.06	18.32	18.22				
10	64QAM	1	0	18.19	18.33	18.27				
10	64QAM	1	25	18.41	18.37	18.23	20	0		
10	64QAM	1	49	18.26	18.45	18.28				
10	64QAM	25	0	18.20	18.43	18.23				
10	64QAM	25	12	18.10	18.28	18.10	20	0		
10	64QAM	25	25	18.01	18.21	18.11				
10	64QAM	50	0	18.18	18.39	18.13				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.37	18.57	18.14				
5	QPSK	1	12	18.28	18.49	18.12	20	0		
5	QPSK	1	24	18.12	18.40	18.32				
5	QPSK	12	0	18.18	18.41	18.33				
5	QPSK	12	7	18.12	18.45	18.29	20	0		
5	QPSK	12	13	18.17	18.60	18.14				
5	QPSK	25	0	18.46	18.28	18.24				
5	16QAM	1	0	18.42	18.48	18.01				
5	16QAM	1	12	18.23	18.21	18.11	20	0		
5	16QAM	1	24	18.08	18.31	18.09				
5	16QAM	12	0	18.33	18.47	18.28				
5	16QAM	12	7	18.03	18.10	18.16	20	0		
5	16QAM	12	13	18.33	18.11	18.08				
5	16QAM	25	0	18.08	18.15	18.11				
5	64QAM	1	0	18.15	18.45	18.22				
5	64QAM	1	12	18.38	18.43	18.07	20	0		
5	64QAM	1	24	18.30	18.32	18.25				
5	64QAM	12	0	18.33	18.39	18.21				
5	64QAM	12	7	18.07	18.33	18.04	20	0		
5	64QAM	12	13	18.38	18.03	18.11				
5	64QAM	25	0	18.02	18.21	18.09				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.38	18.34	18.25				
3	QPSK	1	14	18.23	18.43	18.02	20	0		
3	QPSK	8	0	18.27	18.32	18.15				
3	QPSK	8	4	18.06	18.42	18.24	20	0		
3	QPSK	8	7	18.20	18.53	18.08				
3	QPSK	15	0	18.41	18.23	18.27				
3	16QAM	1	0	18.20	18.47	18.25				
3	16QAM	1	8	18.09	18.23	18.18	20	0		
3	16QAM	1	14	18.31	18.39	18.03				
3	16QAM	8	0	18.48	18.55	18.27				
3	16QAM	8	4	18.20	18.21	18.13	20	0		
3	16QAM	8	7	18.30	18.21	18.26				
3	16QAM	15	0	18.28	18.35	18.22				
3	64QAM	1	0	18.03	18.35	18.23				
3	64QAM	1	8	18.41	18.42	18.08	20	0		
3	64QAM	1	14	18.22	18.43	18.11				
3	64QAM	8	0	18.32	18.39	18.24				
3	64QAM	8	4	18.18	18.49	18.10	20	0		
3	64QAM	8	7	18.27	18.02	18.15				
3	64QAM	15	0	18.15	18.21	18.16				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.16	18.37	18.23				
1.4	QPSK	1	3	18.24	18.44	18.28	20	0		
1.4	QPSK	1	4	18.26	18.39	18.13				
1.4	QPSK	3	0	18.23	18.42	18.02				
1.4	QPSK	3	1	18.11	18.19	18.32				
1.4	QPSK	3	3	18.12	18.29	18.01	20	0		
1.4	QPSK	6	0	18.45	18.26	18.10				
1.4	16QAM	1	0	18.54	18.46	18.32				
1.4	16QAM	1	3	18.25	18.25	18.12				
1.4	16QAM	1	5	18.14	18.23	18.12	20	0		
1.4	16QAM	3	0	18.35	18.61	18.31				
1.4	16QAM	3	1	18.17	18.22	18.11				
1.4	16QAM	3	3	18.15	18.15	18.11	20	0		
1.4	16QAM	6	0	18.25	18.34	18.28				
1.4	64QAM	1	0	18.06	18.28	18.26				
1.4	64QAM	1	3	18.45	18.44	18.11	20	0		
1.4	64QAM	1	5	18.20	18.23	18.15				
1.4	64QAM	3	0	18.23	18.41	18.24				
1.4	64QAM	3	1	18.09	18.37	18.11	20	0		
1.4	64QAM	3	3	18.00	18.13	18.13				
1.4	64QAM	6	0	18.07	18.32	18.26	20	0		

Band 4 Ant1 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										



Band 7 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.90	22.99	22.94			
20	QPSK	1	49	22.88	22.89	22.87	24	0	
20	QPSK	1	99	22.85	22.91	22.81			
20	QPSK	50	0	21.84	22.04	21.96			
20	QPSK	50	24	21.85	21.99	21.86	23	1	
20	QPSK	50	50	21.75	21.88	21.85			
20	QPSK	100	0	21.78	21.92	21.90			
20	16QAM	1	0	21.76	21.85	21.80			
20	16QAM	1	49	21.83	21.87	21.83	23	1	
20	16QAM	1	99	21.71	21.81	21.68			
20	16QAM	50	0	20.74	20.83	20.80			
20	16QAM	50	24	20.82	20.88	20.78	22	2	
20	16QAM	50	50	20.93	20.96	20.91			
20	16QAM	100	0	20.84	20.90	20.80			
20	64QAM	1	0	20.75	20.83	20.80			
20	64QAM	1	49	21.06	21.06	21.03	22	2	
20	64QAM	1	99	20.82	21.00	20.94			
20	64QAM	50	0	19.96	20.03	20.01			
20	64QAM	50	24	20.03	20.11	20.02	21	3	
20	64QAM	50	50	20.03	20.17	20.12			
20	64QAM	100	0	19.86	19.97	19.92			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.86	22.93	22.89	24	0	
15	QPSK	1	37	22.78	22.85	22.79			
15	QPSK	1	74	22.75	22.79	22.71			
15	QPSK	36	0	21.71	21.99	21.86			
15	QPSK	36	20	21.78	21.94	21.77	23	1	
15	QPSK	36	39	21.64	21.74	21.82			
15	QPSK	75	0	21.72	21.79	21.81			
15	16QAM	1	0	21.71	21.81	21.72			
15	16QAM	1	37	21.68	21.78	21.78	23	1	
15	16QAM	1	74	21.64	21.72	21.62			
15	16QAM	36	0	20.60	20.69	20.68			
15	16QAM	36	20	20.67	20.85	20.64	22	2	
15	16QAM	36	39	20.86	20.82	20.75			
15	16QAM	75	0	20.74	20.77	20.76			
15	64QAM	1	0	20.81	20.71	20.67			
15	64QAM	1	37	21.01	20.93	20.96	22	2	
15	64QAM	1	74	20.78	20.87	20.91			
15	64QAM	36	0	19.93	19.96	19.96			
15	64QAM	36	20	19.88	20.03	19.99	21	3	
15	64QAM	36	39	19.98	20.05	19.98			
15	64QAM	75	0	19.75	19.91	19.84			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.82	22.88	22.82	24	0	
10	QPSK	1	25	22.75	22.85	22.80			
10	QPSK	1	49	22.76	22.85	22.75			
10	QPSK	25	0	21.73	21.98	21.84	23	1	
10	QPSK	25	12	21.74	21.86	21.81			
10	QPSK	25	25	21.67	21.76	21.78			
10	QPSK	50	0	21.66	21.80	21.86			
10	16QAM	1	0	21.64	21.79	21.67			
10	16QAM	1	25	21.70	21.75	21.71	23	1	
10	16QAM	1	49	21.64	21.66	21.54			
10	16QAM	25	0	20.69	20.74	20.66			
10	16QAM	25	12	20.78	20.80	20.69	22	2	
10	16QAM	25	25	20.86	20.84	20.77			
10	16QAM	50	0	20.78	20.86	20.65			
10	64QAM	1	0	20.64	20.79	20.68			
10	64QAM	1	25	20.82	20.95	20.96	22	2	
10	64QAM	1	49	20.80	20.95	20.84			
10	64QAM	25	0	19.83	19.92	19.87			
10	64QAM	25	12	19.91	20.01	19.88	21	3	
10	64QAM	25	25	19.89	20.10	20.07			
10	64QAM	50	0	19.81	19.87	19.88			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.87	22.84	22.85	24	0	
5	QPSK	1	12	22.83	22.82	22.77			
5	QPSK	1	24	22.72	22.84	22.67			
5	QPSK	12	0	21.78	21.96	21.83	23	1	
5	QPSK	12	7	21.73	21.88	21.77			
5	QPSK	12	13	21.71	21.82	21.72			
5	QPSK	25	0	21.84	21.89	21.76			
5	16QAM	1	0	21.72	21.71	21.72			
5	16QAM	1	12	21.72	21.75	21.73	23	1	
5	16QAM	1	24	21.64	21.72	21.61			
5	16QAM	12	0	20.86	20.88	20.70			
5	16QAM	12	7	20.73	20.85	20.73	22	2	
5	16QAM	12	13	20.88	20.86	20.75			
5	16QAM	25	0	20.77	20.84	20.73			
5	64QAM	1	0	20.67	20.75	20.77			
5	64QAM	1	12	20.83	20.92	20.92	22	2	
5	64QAM	1	24	20.87	20.88	20.81			
5	64QAM	12	0	19.87	19.97	19.86	21	3	
5	64QAM	12	7	19.93	20.07	19.99			
5	64QAM	12	13	19.99	20.06	20.08			
5	64QAM	25	0	19.73	19.91	19.80			



Band 38 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3800	3815			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.82	22.87	22.78	24	0	
20	QPSK	1	49	22.71	22.75	22.85			
20	QPSK	1	99	22.70	22.76	22.78			
20	QPSK	50	0	21.71	21.82	21.70			
20	QPSK	50	24	21.68	21.73	21.62	23	1	
20	QPSK	50	50	21.69	21.79	21.63			
20	QPSK	100	0	21.67	21.70	21.64			
20	16QAM	1	0	21.57	21.58	21.67			
20	16QAM	1	49	21.52	21.70	21.54	23	1	
20	16QAM	1	99	21.45	21.52	21.44			
20	16QAM	50	0	20.76	20.85	20.75			
20	16QAM	50	24	20.61	20.77	20.64	22	2	
20	16QAM	50	50	20.68	20.78	20.71			
20	16QAM	100	0	20.67	20.74	20.66			
20	64QAM	1	0	20.31	20.43	20.34			
20	64QAM	1	49	20.42	20.53	20.48	22	2	
20	64QAM	1	99	20.48	20.49	20.43			
20	64QAM	50	0	19.84	19.89	19.86			
20	64QAM	50	24	19.81	19.90	19.80	21	3	
20	64QAM	50	50	19.86	19.91	19.78			
20	64QAM	100	0	19.74	19.92	19.82			
Channel				37625	38000	38175			
Frequency (MHz)				2977.5	2995	2912.5			
15	QPSK	1	0	22.72	22.78	22.74	24	0	
15	QPSK	1	37	22.62	22.61	22.51			
15	QPSK	1	74	22.80	22.87	22.89			
15	QPSK	38	0	21.59	21.71	21.66			
15	QPSK	38	20	21.56	21.61	21.49	23	1	
15	QPSK	38	39	21.61	21.72	21.51			
15	QPSK	75	0	21.62	21.61	21.55			
15	16QAM	1	0	21.48	21.52	21.83			
15	16QAM	1	37	21.37	21.63	21.45	23	1	
15	16QAM	1	74	21.32	21.41	21.35			
15	16QAM	38	0	20.68	20.75	20.71			
15	16QAM	38	20	20.47	20.71	20.52	22	2	
15	16QAM	38	39	20.53	20.66	20.63			
15	16QAM	75	0	20.53	20.62	20.57			
15	64QAM	1	0	20.27	20.40	20.23			
15	64QAM	1	37	20.34	20.44	20.43	22	2	
15	64QAM	1	74	20.35	20.38	20.28			
15	64QAM	38	0	19.73	19.77	19.78			
15	64QAM	38	20	19.76	19.79	19.74	21	3	
15	64QAM	38	39	19.81	19.87	19.65			
15	64QAM	75	0	19.67	19.85	19.78			
Channel				37900	38000	38200			
Frequency (MHz)				2572	2595	2615			
10	QPSK	1	0	22.73	22.74	22.74	24	0	
10	QPSK	1	25	22.61	22.67	22.51			
10	QPSK	1	49	22.63	22.69	22.66			
10	QPSK	25	0	21.58	21.74	21.80	23	1	
10	QPSK	25	12	21.52	21.59	21.58			
10	QPSK	25	25	21.63	21.64	21.59			
10	QPSK	50	0	21.83	21.59	21.80			
10	16QAM	1	0	21.43	21.59	21.61	23	1	
10	16QAM	1	25	21.38	21.62	21.50			
10	16QAM	1	49	21.35	21.39	21.40			
10	16QAM	25	0	20.62	20.75	20.64	22	2	
10	16QAM	25	12	20.53	20.74	20.56			
10	16QAM	25	25	20.58	20.73	20.63			
10	16QAM	50	0	20.57	20.60	20.52			
10	64QAM	1	0	20.20	20.34	20.24	22	2	
10	64QAM	1	25	20.27	20.48	20.38			
10	64QAM	1	49	20.34	20.40	20.34			
10	64QAM	25	0	19.75	19.83	19.74			
10	64QAM	25	12	19.71	19.76	19.71	21	3	
10	64QAM	25	25	19.73	19.80	19.67			
10	64QAM	50	0	19.60	19.84	19.77			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.70	22.81	22.88	24	0	
5	QPSK	1	12	22.58	22.70	22.52			
5	QPSK	1	24	22.60	22.63	22.66			
5	QPSK	12	0	21.67	21.72	21.58	23	1	
5	QPSK	12	7	21.59	21.69	21.48			
5	QPSK	12	13	21.55	21.75	21.59			
5	QPSK	25	0	21.80	21.58	21.53	23	1	
5	16QAM	1	0	21.51	21.53	21.58			
5	16QAM	1	12	21.43	21.55	21.48			
5	16QAM	1	24	21.30	21.49	21.30	22	2	
5	16QAM	12	0	20.71	20.77	20.67			
5	16QAM	12	7	20.48	20.68	20.56			
5	16QAM	12	13	20.55	20.74	20.64			
5	16QAM	25	0	20.61	20.70	20.57	22	2	
5	64QAM	1	0	20.22	20.34	20.30			
5	64QAM	1	12	20.31	20.43	20.38	22	2	
5	64QAM	1	24	20.37	20.44	20.28			
5	64QAM	12	0	19.76	19.76	19.83			
5	64QAM	12	7	19.68	19.84	19.71	21	3	
5	64QAM	12	13	19.78	19.78	19.73			
5	64QAM	25	0	19.66	19.87	19.68			

Band 41 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41655	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.81	22.70	22.89	22.77	22.75	24
20	QPSK	1	49	22.73	22.74	22.80	22.80	22.76	
20	QPSK	1	99	22.80	22.72	22.78	22.71	22.74	
20	QPSK	50	0	21.80	21.70	21.84	21.67	21.62	23
20	QPSK	50	24	21.75	21.71	21.73	21.71	21.75	
20	QPSK	50	50	21.83	21.76	21.76	21.70	21.73	
20	QPSK	100	0	21.76	21.68	21.78	21.72	21.75	
20	16QAM	1	0	21.65	21.67	21.73	21.65	21.72	23
20	16QAM	1	49	21.78	21.78	21.75	21.73	21.73	
20	16QAM	1	99	21.79	21.70	21.76	21.71	21.63	
20	16QAM	50	0	20.81	20.69	20.76	20.68	20.65	22
20	16QAM	50	24	20.74	20.72	20.77	20.69	20.73	
20	16QAM	50	50	20.74	20.67	20.81	20.70	20.71	
20	16QAM	100	0	20.82	20.63	20.77	20.68	20.76	
20	64QAM	1	0	20.32	20.36	20.51	20.48	20.48	22
20	64QAM	1	49	20.52	20.44	20.47	20.44	20.53	
20	64QAM	1	99	20.48	20.37	20.50	20.37	20.38	
20	64QAM	50	0	19.82	19.74	19.92	19.79	19.93	21
20	64QAM	50	24	19.96	19.89	19.96	19.81	19.80	
20	64QAM	50	50	19.83	19.81	19.83	19.85	19.86	
20	64QAM	100	0	19.89	19.83	19.85	19.78	19.81	
Channel				39725	40173	40620	41688	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5	
15	QPSK	1	0	22.66	22.64	22.80	22.71	22.61	24
15	QPSK	1	37	22.67	22.68	22.69	22.66	22.66	
15	QPSK	1	74	22.56	22.60	22.62	22.59	22.67	
15	QPSK	38	0	21.72	21.87	21.71	21.65	21.52	23
15	QPSK	38	20	21.64	21.82	21.67	21.60	21.60	
15	QPSK	38	39	21.71	21.68	21.65	21.58	21.62	
15	QPSK	75	0	21.66	21.57	21.72	21.63	21.68	
15	16QAM	1	0	21.60	21.62	21.67	21.51	21.65	23
15	16QAM	1	37	21.69	21.67	21.63	21.61	21.70	
15	16QAM	1	74	21.72	21.57	21.70	21.66	21.51	
15	16QAM	38	0	20.73	20.55	20.64	20.57	20.57	22
15	16QAM	38	20	20.65	20.64	20.63	20.54	20.66	
15	16QAM	38	39	20.62	20.62	20.76	20.63	20.60	
15	16QAM	75	0	20.69	20.58	20.72	20.64	20.68	
15	64QAM	1	0	20.18	20.29	20.48	20.37	20.39	22
15	64QAM	1	37</						



GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.32	31.38	31.36	32.50	22.32	22.38	22.36	23.50
GPRS 1 Tx slot	31.31	31.35	31.22	32.50	22.31	22.35	22.22	23.50
GPRS 2 Tx slots	30.35	30.42	30.36	31.50	24.35	24.42	24.36	25.50
GPRS 3 Tx slots	28.53	28.61	28.51	29.50	24.27	24.35	24.25	25.24
GPRS 4 Tx slots	27.36	27.47	27.34	28.50	24.36	24.47	24.34	25.50
EDGE 1 Tx slot	25.68	25.78	25.74	26.50	16.68	16.78	16.74	17.50
EDGE 2 Tx slots	24.59	24.73	24.59	25.50	18.59	18.73	18.59	19.50
EDGE 3 Tx slots	22.53	22.63	22.58	23.50	18.27	18.37	18.32	19.24
EDGE 4 Tx slots	21.30	21.38	21.34	22.50	18.30	18.38	18.34	19.50

**GSM1900 Ant7 Default**

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.80	26.88	26.82	28.50	17.80	17.88	17.82	19.50
GPRS 1 Tx slot	26.73	26.83	26.76	28.50	17.73	17.83	17.76	19.50
GPRS 2 Tx slots	26.09	26.21	26.15	27.50	20.09	20.21	20.15	21.50
GPRS 3 Tx slots	24.35	24.48	24.38	26.00	20.09	20.22	20.12	21.74
GPRS 4 Tx slots	23.33	23.45	23.37	25.00	20.33	20.45	20.37	22.00
EDGE 1 Tx slot	23.28	23.43	23.25	25.00	14.28	14.43	14.25	16.00
EDGE 2 Tx slots	22.31	22.42	22.29	24.00	16.31	16.42	16.29	18.00
EDGE 3 Tx slots	20.21	20.34	20.28	22.00	15.95	16.08	16.00	17.74
EDGE 4 Tx slots	18.97	19.04	18.94	20.50	15.97	16.04	15.94	17.50

**WCDMA II Ant7 Default**

**WCDMA IV Ant7 Default**

**WCDMA V Ant7 Default**

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Rx Channel	9662	9800	9938		1537	1638	1738	4357	4407	4458			
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	20.70	20.75	20.67	22.00	20.85	21.11	21.07	22.00	21.50	21.68	21.65	23.00
3GPP Rel 99	RMC 12.2Kbps	20.77	20.80	20.73	22.00	20.99	21.19	21.14	22.00	21.59	21.75	21.68	23.00
3GPP Rel 6	HSDPA Subtest-1	19.82	20.00	19.78	21.00	20.08	20.21	20.02	21.00	20.71	20.85	20.81	22.00
3GPP Rel 6	HSDPA Subtest-2	19.72	19.76	19.69	21.00	19.99	20.01	19.99	21.00	20.62	20.60	20.54	22.00
3GPP Rel 6	HSDPA Subtest-3	19.10	19.22	19.05	20.50	19.38	19.46	19.33	20.50	19.98	20.09	19.96	21.50
3GPP Rel 6	HSDPA Subtest-4	19.33	19.37	19.35	20.50	19.66	19.56	19.60	20.50	20.19	20.16	20.15	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.79	19.81	19.77	21.00	20.01	20.09	20.09	21.00	20.65	20.73	20.68	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.63	19.66	19.62	21.00	19.91	19.97	19.83	21.00	20.46	20.51	20.45	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.88	19.09	18.97	20.50	19.21	19.39	19.21	20.50	19.86	19.99	19.79	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.12	19.09	19.03	20.50	19.31	19.49	19.29	20.50	19.93	20.04	19.93	21.50
3GPP Rel 6	HSUPA Subtest-1	19.75	19.95	19.67	21.00	20.06	20.19	19.99	21.00	20.65	20.76	20.60	22.00
3GPP Rel 6	HSUPA Subtest-2	17.73	18.01	17.87	19.00	18.02	18.18	18.19	19.00	18.66	18.82	18.80	20.00
3GPP Rel 6	HSUPA Subtest-3	18.86	19.03	18.98	20.00	18.99	19.26	19.23	20.00	19.64	19.86	19.82	21.00
3GPP Rel 6	HSUPA Subtest-4	17.75	17.87	17.67	19.00	17.99	18.16	17.93	19.00	18.64	18.73	18.55	20.00
3GPP Rel 6	HSUPA Subtest-5	19.56	19.68	19.70	21.00	19.98	20.02	19.94	21.00	20.51	20.64	20.55	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.29	17.43	17.35	18.50	17.61	17.74	17.55	18.50	18.17	18.28	18.17	19.50



Band 2 Ant7 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	20.49	20.55	20.40	22	0		
20	QPSK	1	49	20.47	20.51	20.36				
20	QPSK	1	99	20.26	20.39	20.30				
20	QPSK	50	0	19.42	19.54	19.41				
20	QPSK	50	24	19.41	19.50	19.42				
20	QPSK	50	50	19.34	19.42	19.30				
20	QPSK	100	0	19.33	19.45	19.31				
20	16QAM	1	0	19.22	19.34	19.27				
20	16QAM	1	49	19.20	19.36	19.26				
20	16QAM	1	99	19.22	19.31	19.26				
20	16QAM	50	0	18.39	18.46	18.32				
20	16QAM	50	24	18.44	18.51	18.46				
20	16QAM	50	50	18.36	18.40	18.25				
20	16QAM	100	0	18.39	18.42	18.30				
20	64QAM	1	0	18.53	18.64	18.56				
20	64QAM	1	49	18.47	18.60	18.49				
20	64QAM	1	99	18.35	18.49	18.37				
20	64QAM	50	0	17.58	17.64	17.57				
20	64QAM	50	24	17.55	17.65	17.50				
20	64QAM	50	50	17.48	17.58	17.48				
20	64QAM	100	0	17.51	17.60	17.50				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	20.42	20.47	20.29	22	0		
15	QPSK	1	37	20.43	20.43	20.22				
15	QPSK	1	74	20.12	20.27	20.24				
15	QPSK	36	0	19.32	19.45	19.32				
15	QPSK	36	20	19.30	19.38	19.32				
15	QPSK	36	39	19.26	19.35	19.21				
15	QPSK	75	0	19.22	19.36	19.19				
15	16QAM	1	0	19.22	19.34	19.21				
15	16QAM	1	37	19.23	19.24	19.15				
15	16QAM	1	74	19.17	19.20	19.13				
15	16QAM	36	0	18.34	18.41	18.28				
15	16QAM	36	20	18.40	18.42	18.34				
15	16QAM	36	39	18.32	18.37	18.18				
15	16QAM	75	0	18.31	18.27	18.19				
15	64QAM	1	0	18.38	18.49	18.50				
15	64QAM	1	37	18.35	18.52	18.36				
15	64QAM	1	74	18.21	18.40	18.23				
15	64QAM	36	0	17.48	17.58	17.53				
15	64QAM	36	20	17.49	17.67	17.44				
15	64QAM	36	39	17.33	17.45	17.38				
15	64QAM	75	0	17.38	17.56	17.41				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	20.35	20.45	20.29	22	0		
10	QPSK	1	25	20.41	20.40	20.21				
10	QPSK	1	49	20.11	20.28	20.17				
10	QPSK	25	0	19.28	19.46	19.29				
10	QPSK	25	12	19.36	19.39	19.31				
10	QPSK	25	25	19.20	19.31	19.22				
10	QPSK	50	0	19.32	19.40	19.17				
10	16QAM	1	0	19.17	19.26	19.18				
10	16QAM	1	25	19.26	19.33	19.21				
10	16QAM	1	49	19.07	19.20	19.14				
10	16QAM	25	0	18.36	18.34	18.28				
10	16QAM	25	12	18.35	18.43	18.33				
10	16QAM	25	25	18.23	18.32	18.19				
10	16QAM	50	0	18.28	18.37	18.20				
10	64QAM	1	0	18.41	18.58	18.41				
10	64QAM	1	25	18.37	18.46	18.41				
10	64QAM	1	49	18.21	18.54	18.33				
10	64QAM	25	0	17.44	17.53	17.47				
10	64QAM	25	12	17.42	17.53	17.41				
10	64QAM	25	25	17.34	17.48	17.46				
10	64QAM	50	0	17.41	17.49	17.34				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	20.41	20.52	20.36	22	0		
5	QPSK	1	12	20.38	20.47	20.33				
5	QPSK	1	24	20.11	20.26	20.23				
5	QPSK	12	0	19.36	19.44	19.28				
5	QPSK	12	7	19.32	19.40	19.27				
5	QPSK	12	13	19.19	19.38	19.15				
5	QPSK	25	0	19.25	19.37	19.19				
5	16QAM	1	0	19.14	19.30	19.16				
5	16QAM	1	12	19.19	19.30	19.12				
5	16QAM	1	24	19.18	19.20	19.17				
5	16QAM	12	0	18.35	18.39	18.21				
5	16QAM	12	7	18.39	18.38	18.38				
5	16QAM	12	13	18.27	18.30	18.15				
5	16QAM	25	0	18.33	18.27	18.26				
5	64QAM	1	0	18.34	18.54	18.46				
5	64QAM	1	12	18.39	18.54	18.37				
5	64QAM	1	24	18.20	18.36	18.26				
5	64QAM	12	0	17.48	17.52	17.48				
5	64QAM	12	7	17.50	17.50	17.39				
5	64QAM	12	13	17.39	17.46	17.37				
5	64QAM	25	0	17.44	17.48	17.36				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
3	QPSK	1	0	20.43	20.50	20.28	22	0		
3	QPSK	1	8	20.42	20.37	20.21				
3	QPSK	1	14	20.17	20.31	20.27				
3	QPSK	8	0	19.31	19.39	19.32				
3	QPSK	8	4	19.36	19.40	19.29				
3	QPSK	8	7	19.19	19.32	19.15				
3	QPSK	15	0	19.25	19.33	19.21				
3	16QAM	1	0	19.17	19.28	19.22				
3	16QAM	1	8	19.25	19.24	19.20				
3	16QAM	1	14	19.11	19.18	19.22				
3	16QAM	8	0	18.24	18.37	18.20				
3	16QAM	8	4	18.29	18.43	18.32				
3	16QAM	8	7	18.28	18.33	18.22				
3	16QAM	15	0	18.25	18.29	18.17				
3	64QAM	1	0	18.47	18.53	18.47				
3	64QAM	1	8	18.39	18.53	18.42				
3	64QAM	1	14	18.30	18.44	18.27				
3	64QAM	8	0	17.55	17.49	17.43				
3	64QAM	8	4	17.49	17.62	17.43				
3	64QAM	8	7	17.37	17.49	17.43				
3	64QAM	15	0	17.45	17.47	17.43				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
1.4	QPSK	1	0	20.37	20.45	20.37	22	0		
1.4	QPSK	1	3	20.40	20.39	20.24				
1.4	QPSK	1	6	20.12	20.32	20.20				
1.4	QPSK	3	0	20.35	20.41	20.35				
1.4	QPSK	3	1	20.38	20.38	20.27				
1.4	QPSK	3	3	20.23	20.35	20.25				
1.4	QPSK	6	0	19.29	19.51	19.32				
1.4	16QAM	1	0	19.34	19.38	19.31				
1.4	16QAM	1	3	19.20	19.39	19.22				
1.4	16QAM	1	5	19.26	19.36	19.26				
1.4	16QAM	3	0	19.12	19.25	19.20				
1.4	16QAM	3	1	19.27	19.23	19.21				
1.4	16QAM	3	3	19.18	19.20	19.18				
1.4	16QAM	6	0	18.30	18.40	18.27				
1.4	16QAM	6	1	18.35	18.38	18.38				
1.4	16QAM	6	3	18.23	18.28	18.16				
1.4	64QAM	1	0	18.44	18.59	18.44				
1.4	64QAM	3	1	18.34	18.45	18.39				
1.4	64QAM	3	3	18.31	18.46	18.34				
1.4	64QAM	6	0	17.52	17.59	17.39				

Band 4 Ant7 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	20.31	20.39	20.36	22	0		
20	QPSK	1	49	20.29	20.35	20.21				
20	QPSK	1	99	20.14	20.20	20.15				
20	QPSK	50	0	19.34	19.38	19.25				
20	QPSK	50	24	19.26	19.37	19.24				
20	QPSK	50	50	19.28	19.32	19.29				
20	QPSK	100	0	19.30	19.34	19.25				
20	16QAM	1	0	19.26	19.31	19.20				
20	16QAM	1	49	19.21	19.26	19.14				
20	16QAM	1	99	19.23	19.29	19.24				
20	16QAM	50	0	18.45	18.51	18.44				
20	16QAM	50	24	18.37	18.50	18.39				
20	16QAM	50	50	18.41	18.47	18.43				
20	16QAM	100	0	18.39	18.44	18.38				
20	64QAM	1	0	18.49	18.54	18.39				
20</										





Band 2 Ant1 DSI7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.99	16.02	15.89	17.5	0		
20	QPSK	1	49	15.93	15.93	15.87				
20	QPSK	1	99	15.78	15.82	15.73	17.5	0		
20	QPSK	50	0	15.89	15.97	15.72				
20	QPSK	50	24	15.95	15.75	15.83	17.5	0		
20	QPSK	50	50	15.63	15.84	15.73				
20	QPSK	100	0	15.79	15.95	15.72	17.5	0		
20	16QAM	1	0	15.80	15.93	15.80				
20	16QAM	1	49	15.76	15.81	15.63	17.5	0		
20	16QAM	1	99	15.25	15.94	15.78				
20	16QAM	50	0	15.77	15.78	15.78	17.5	0		
20	16QAM	50	24	15.77	15.78	15.72				
20	16QAM	50	50	15.98	15.99	15.70	17.5	0		
20	16QAM	100	0	15.88	15.82	15.70				
20	64QAM	1	0	15.80	15.69	15.60	17.5	0		
20	64QAM	1	49	15.87	15.88	15.88				
20	64QAM	1	99	15.85	15.92	15.87	17.5	0		
20	64QAM	50	0	15.72	15.70	15.65				
20	64QAM	50	24	15.84	15.89	15.63	17.5	0		
20	64QAM	50	50	15.89	15.84	15.72				
20	64QAM	100	0	15.70	15.84	15.69	17.5	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.99	15.88	15.80	17.5	0		
15	QPSK	1	37	15.78	15.80	15.88				
15	QPSK	1	74	15.71	15.63	15.74	17.5	0		
15	QPSK	36	0	15.96	15.74	15.52				
15	QPSK	36	20	15.76	15.66	15.85	17.5	0		
15	QPSK	36	39	15.61	15.51	15.68				
15	QPSK	75	0	15.75	15.78	15.53	17.5	0		
15	16QAM	1	0	15.25	15.71	15.78				
15	16QAM	1	37	15.63	15.83	15.71	17.5	0		
15	16QAM	1	74	15.75	15.90	15.83				
15	16QAM	36	0	15.67	15.70	15.63	17.5	0		
15	16QAM	36	20	15.60	15.64	15.61				
15	16QAM	36	39	15.75	15.95	15.76	17.5	0		
15	16QAM	75	0	15.59	15.81	15.63				
15	64QAM	1	0	15.76	15.70	15.65	17.5	0		
15	64QAM	1	37	15.58	15.85	15.69				
15	64QAM	1	74	15.71	15.74	15.59	17.5	0		
15	64QAM	36	0	15.84	15.83	15.71				
15	64QAM	36	20	15.80	15.80	15.66	17.5	0		
15	64QAM	36	39	15.71	15.67	15.61				
15	64QAM	75	0	15.69	15.53	15.56	17.5	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.91	15.92	15.88	17.5	0		
10	QPSK	1	25	15.73	15.70	15.67				
10	QPSK	1	49	15.85	15.81	15.51	17.5	0		
10	QPSK	25	0	15.93	15.77	15.72				
10	QPSK	25	12	15.72	15.78	15.80	17.5	0		
10	QPSK	25	25	15.65	15.63	15.74				
10	QPSK	50	0	15.22	15.77	15.67	17.5	0		
10	16QAM	1	0	15.80	15.79	15.82				
10	16QAM	1	25	15.68	15.74	15.57	17.5	0		
10	16QAM	1	49	15.69	15.80	15.61				
10	16QAM	25	0	15.58	15.74	15.66	17.5	0		
10	16QAM	25	12	15.57	15.73	15.74				
10	16QAM	25	25	15.91	15.81	15.62	17.5	0		
10	16QAM	50	0	15.82	15.75	15.64				
10	64QAM	1	0	15.78	15.53	15.54	17.5	0		
10	64QAM	1	25	15.59	15.80	15.61				
10	64QAM	1	49	15.73	15.78	15.78	17.5	0		
10	64QAM	25	0	15.57	15.70	15.63				
10	64QAM	25	12	15.82	15.74	15.62	17.5	0		
10	64QAM	25	25	15.75	15.79	15.64				
10	64QAM	50	0	15.85	15.87	15.85	17.5	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.95	15.80	15.80	17.5	0		
5	QPSK	1	12	15.80	15.84	15.87				
5	QPSK	1	24	15.64	15.80	15.56	17.5	0		
5	QPSK	12	0	15.95	15.92	15.66				
5	QPSK	12	7	15.72	15.77	15.67	17.5	0		
5	QPSK	12	13	15.73	15.69	15.69				
5	QPSK	25	0	15.67	15.79	15.58	17.5	0		
5	16QAM	1	0	15.73	15.74	15.80				
5	16QAM	1	12	15.66	15.73	15.58	17.5	0		
5	16QAM	1	24	15.75	15.78	15.61				
5	16QAM	12	0	15.67	15.75	15.57	17.5	0		
5	16QAM	12	7	15.59	15.60	15.73				
5	16QAM	12	13	15.79	15.90	15.55	17.5	0		
5	16QAM	25	0	15.85	15.65	15.70				
5	64QAM	1	0	15.75	15.75	15.68	17.5	0		
5	64QAM	1	12	15.70	15.82	15.80				
5	64QAM	1	24	15.65	15.82	15.61	17.5	0		
5	64QAM	12	0	15.84	15.81	15.87				
5	64QAM	12	7	15.59	15.68	15.56	17.5	0		
5	64QAM	12	13	15.98	15.74	15.68				
5	64QAM	25	0	15.67	15.53	15.59	17.5	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.73	15.92	15.76	17.5	0		
3	QPSK	1	8	15.60	15.81	15.67				
3	QPSK	1	14	15.80	15.80	15.50	17.5	0		
3	QPSK	8	0	15.85	15.75	15.55				
3	QPSK	8	4	15.90	15.68	15.84	17.5	0		
3	QPSK	8	7	15.61	15.52	15.59				
3	QPSK	15	0	15.73	15.82	15.60	17.5	0		
3	16QAM	1	0	15.68	15.94	15.64				
3	16QAM	1	8	15.90	15.90	15.78	17.5	0		
3	16QAM	1	14	15.63	15.62	15.65				
3	16QAM	8	0	15.85	15.83	15.65	17.5	0		
3	16QAM	8	4	15.78	15.76	15.88				
3	16QAM	8	7	15.89	15.86	15.53	17.5	0		
3	16QAM	15	0	15.73	15.71	15.68				
3	64QAM	1	0	15.95	15.84	15.62	17.5	0		
3	64QAM	1	8	15.57	15.73	15.53				
3	64QAM	1	14	15.93	15.75	15.51	17.5	0		
3	64QAM	8	0	15.80	15.85	15.66				
3	64QAM	8	4	15.66	15.78	15.64	17.5	0		
3	64QAM	8	7	15.88	15.81	15.63				
3	64QAM	15	0	15.62	15.56	15.50	17.5	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	15.81	15.84	15.74	17.5	0		
1.4	QPSK	1	3	15.80	15.79	15.75				
1.4	QPSK	3	0	15.85	15.84	15.68	17.5	0		
1.4	QPSK	3	1	15.94	15.84	15.71				
1.4	QPSK	3	1	15.96	15.74	15.76	17.5	0		
1.4	QPSK	3	3	15.58	15.60	15.56				
1.4	QPSK	6	0	15.74	15.79	15.57	17.5	0		
1.4	16QAM	1	0	15.80	15.86	15.77				
1.4	16QAM	1	3	15.67	15.60	15.51	17.5	0		
1.4	16QAM	1	5	15.70	15.78	15.61				
1.4	16QAM	3	0	15.71	15.75	15.70	17.5	0		
1.4	16QAM	3	1	15.69	15.67	15.61				
1.4	16QAM	3	3	15.99	15.89	15.57	17.5	0		
1.4	16QAM	6	0	15.75	15.63	15.56				
1.4	64QAM	1	0	15.86	15.84	15.70	17.5	0		
1.4	64QAM	1	3	15.57	15.77	15.69				
1.4	64QAM	1	5	15.85	15.70	15.62	17.5	0		
1.4	64QAM	3	0	15.82	15.81	15.79				
1.4	64QAM	3	1	15.75	15.73	15.54	17.5	0		
1.4	64QAM	3	3	15.85	15.68	15.58				
1.4	64QAM	6	0	15.64	15.64	15.68	17.5	0		

Band 4 Ant1 DSI7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.88	18.05	18.02	19.5	0		
20	QPSK	1	49	17.89	17.73	17.80				
20	QPSK	1	99	17.63	17.87	17.57	19.5	0		
20	QPSK	50	0	17.86	17.93	17.88				
20	QPSK	50	24	17.67	17.68	17.74	19.5	0		
20	QPSK	50	50	17.64	17.79	17.57				
20	QPSK	100	0							





Band 7 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.90	22.99	22.94			
20	QPSK	1	49	22.88	22.89	22.87	24	0	
20	QPSK	1	99	22.85	22.91	22.81			
20	QPSK	50	0	21.84	22.04	21.96			
20	QPSK	50	24	21.85	21.99	21.86	23	1	
20	QPSK	50	50	21.75	21.88	21.85			
20	QPSK	100	0	21.78	21.92	21.90			
20	16QAM	1	0	21.76	21.85	21.80			
20	16QAM	1	49	21.83	21.87	21.83	23	1	
20	16QAM	1	99	21.71	21.81	21.68			
20	16QAM	50	0	20.74	20.83	20.80			
20	16QAM	50	24	20.82	20.88	20.78	22	2	
20	16QAM	50	50	20.93	20.96	20.91			
20	16QAM	100	0	20.84	20.90	20.80			
20	64QAM	1	0	20.75	20.83	20.80			
20	64QAM	1	49	21.06	21.06	21.03	22	2	
20	64QAM	1	99	20.82	21.00	20.94			
20	64QAM	50	0	19.96	20.03	20.01			
20	64QAM	50	24	20.03	20.11	20.02	21	3	
20	64QAM	50	50	20.03	20.17	20.12			
20	64QAM	100	0	19.86	19.97	19.92			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.86	22.93	22.89			
15	QPSK	1	37	22.78	22.85	22.79	24	0	
15	QPSK	1	74	22.75	22.79	22.71			
15	QPSK	36	0	21.71	21.99	21.86			
15	QPSK	36	20	21.78	21.94	21.77	23	1	
15	QPSK	36	39	21.64	21.74	21.82			
15	QPSK	75	0	21.72	21.79	21.81			
15	16QAM	1	0	21.71	21.81	21.72			
15	16QAM	1	37	21.68	21.78	21.78	23	1	
15	16QAM	1	74	21.64	21.72	21.62			
15	16QAM	36	0	20.60	20.69	20.68			
15	16QAM	36	20	20.67	20.85	20.64	22	2	
15	16QAM	36	39	20.86	20.82	20.75			
15	16QAM	75	0	20.74	20.77	20.76			
15	64QAM	1	0	20.81	20.71	20.67			
15	64QAM	1	37	21.01	20.93	20.96	22	2	
15	64QAM	1	74	20.78	20.87	20.91			
15	64QAM	36	0	19.93	19.96	19.96			
15	64QAM	36	20	19.88	20.03	19.99	21	3	
15	64QAM	36	39	19.98	20.05	19.98			
15	64QAM	75	0	19.75	19.91	19.84			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.82	22.88	22.82			
10	QPSK	1	25	22.75	22.85	22.80	24	0	
10	QPSK	1	49	22.76	22.85	22.75			
10	QPSK	25	0	21.73	21.98	21.84	23	1	
10	QPSK	25	12	21.74	21.86	21.81			
10	QPSK	25	25	21.67	21.76	21.78			
10	QPSK	50	0	21.69	21.80	21.86			
10	16QAM	1	0	21.64	21.79	21.67			
10	16QAM	1	25	21.70	21.75	21.71	23	1	
10	16QAM	1	49	21.64	21.66	21.54			
10	16QAM	25	0	20.69	20.74	20.66			
10	16QAM	25	12	20.78	20.80	20.69	22	2	
10	16QAM	25	25	20.86	20.84	20.77			
10	16QAM	50	0	20.78	20.86	20.65			
10	64QAM	1	0	20.64	20.79	20.68			
10	64QAM	1	25	20.82	20.95	20.96	22	2	
10	64QAM	1	49	20.80	20.95	20.84			
10	64QAM	25	0	19.83	19.92	19.87			
10	64QAM	25	12	19.91	20.01	19.88	21	3	
10	64QAM	25	25	19.89	20.10	20.07			
10	64QAM	50	0	19.81	19.87	19.88			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.87	22.84	22.85			
5	QPSK	1	12	22.83	22.82	22.77	24	0	
5	QPSK	1	24	22.72	22.84	22.67			
5	QPSK	12	0	21.78	21.96	21.83	23	1	
5	QPSK	12	7	21.73	21.88	21.77			
5	QPSK	12	13	21.71	21.82	21.72			
5	QPSK	25	0	21.84	21.89	21.76			
5	16QAM	1	0	21.72	21.71	21.72			
5	16QAM	1	12	21.72	21.75	21.73	23	1	
5	16QAM	1	24	21.64	21.72	21.61			
5	16QAM	12	0	20.86	20.88	20.70			
5	16QAM	12	7	20.73	20.85	20.73	22	2	
5	16QAM	12	13	20.88	20.86	20.75			
5	16QAM	25	0	20.77	20.84	20.73			
5	64QAM	1	0	20.67	20.75	20.77			
5	64QAM	1	12	20.83	20.92	20.92	22	2	
5	64QAM	1	24	20.87	20.88	20.81			
5	64QAM	12	0	19.87	19.97	19.86			
5	64QAM	12	7	19.93	20.07	19.99	21	3	
5	64QAM	12	13	19.99	20.06	20.08			
5	64QAM	25	0	19.73	19.91	19.80			



Band 38 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3800	3815			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.82	22.87	22.78	24	0	
20	QPSK	1	49	22.71	22.75	22.85			
20	QPSK	1	99	22.70	22.76	22.78			
20	QPSK	50	0	21.71	21.82	21.70			
20	QPSK	50	24	21.68	21.73	21.62	23	1	
20	QPSK	50	50	21.69	21.79	21.63			
20	QPSK	100	0	21.67	21.70	21.64			
20	16QAM	1	0	21.57	21.58	21.67			
20	16QAM	1	49	21.52	21.70	21.54	23	1	
20	16QAM	1	99	21.45	21.52	21.44			
20	16QAM	50	0	20.76	20.85	20.75			
20	16QAM	50	24	20.61	20.77	20.64	22	2	
20	16QAM	50	50	20.68	20.78	20.71			
20	16QAM	100	0	20.67	20.74	20.66			
20	64QAM	1	0	20.31	20.43	20.34			
20	64QAM	1	49	20.42	20.53	20.48	22	2	
20	64QAM	1	99	20.48	20.49	20.43			
20	64QAM	50	0	19.84	19.89	19.86			
20	64QAM	50	24	19.81	19.90	19.80	21	3	
20	64QAM	50	50	19.86	19.91	19.78			
20	64QAM	100	0	19.74	19.92	19.82			
Channel				37625	38000	38175			
Frequency (MHz)				2977.5	2995	2912.5			
15	QPSK	1	0	22.72	22.78	22.74	24	0	
15	QPSK	1	37	22.62	22.61	22.51			
15	QPSK	1	74	22.80	22.87	22.89			
15	QPSK	38	0	21.59	21.71	21.66			
15	QPSK	38	20	21.56	21.61	21.49	23	1	
15	QPSK	38	39	21.61	21.72	21.51			
15	QPSK	75	0	21.62	21.61	21.55			
15	16QAM	1	0	21.48	21.52	21.83			
15	16QAM	1	37	21.37	21.63	21.45	23	1	
15	16QAM	1	74	21.32	21.41	21.35			
15	16QAM	38	0	20.68	20.75	20.71			
15	16QAM	38	20	20.47	20.71	20.52	22	2	
15	16QAM	38	39	20.53	20.66	20.63			
15	16QAM	75	0	20.53	20.62	20.57			
15	64QAM	1	0	20.27	20.40	20.23			
15	64QAM	1	37	20.34	20.44	20.43	22	2	
15	64QAM	1	74	20.35	20.38	20.28			
15	64QAM	38	0	19.73	19.77	19.78			
15	64QAM	38	20	19.76	19.79	19.74	21	3	
15	64QAM	38	39	19.81	19.87	19.65			
15	64QAM	75	0	19.67	19.85	19.78			
Channel				37900	38000	38200			
Frequency (MHz)				2572	2595	2615			
10	QPSK	1	0	22.73	22.74	22.74	24	0	
10	QPSK	1	25	22.61	22.67	22.51			
10	QPSK	1	49	22.63	22.69	22.66			
10	QPSK	25	0	21.58	21.74	21.80	23	1	
10	QPSK	25	12	21.52	21.59	21.58			
10	QPSK	25	25	21.63	21.64	21.59			
10	QPSK	50	0	21.83	21.59	21.80			
10	16QAM	1	0	21.43	21.59	21.61	23	1	
10	16QAM	1	25	21.38	21.62	21.50			
10	16QAM	1	49	21.35	21.39	21.40			
10	16QAM	25	0	20.62	20.75	20.64	22	2	
10	16QAM	25	12	20.53	20.74	20.56			
10	16QAM	25	25	20.58	20.73	20.63			
10	16QAM	50	0	20.57	20.60	20.52			
10	64QAM	1	0	20.20	20.34	20.24	22	2	
10	64QAM	1	25	20.27	20.48	20.38			
10	64QAM	1	49	20.34	20.40	20.34			
10	64QAM	25	0	19.75	19.83	19.74			
10	64QAM	25	12	19.71	19.76	19.71	21	3	
10	64QAM	25	25	19.73	19.80	19.67			
10	64QAM	50	0	19.60	19.84	19.77			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.70	22.81	22.88	24	0	
5	QPSK	1	12	22.58	22.70	22.52			
5	QPSK	1	24	22.60	22.63	22.66			
5	QPSK	12	0	21.67	21.72	21.58	23	1	
5	QPSK	12	7	21.59	21.69	21.48			
5	QPSK	12	13	21.55	21.75	21.59			
5	QPSK	25	0	21.80	21.58	21.53			
5	16QAM	1	0	21.51	21.53	21.58	23	1	
5	16QAM	1	12	21.43	21.55	21.48			
5	16QAM	1	24	21.30	21.49	21.30			
5	16QAM	12	0	20.71	20.77	20.67	22	2	
5	16QAM	12	7	20.48	20.68	20.56			
5	16QAM	12	13	20.55	20.74	20.64			
5	16QAM	25	0	20.61	20.70	20.57			
5	64QAM	1	0	20.22	20.34	20.30	22	2	
5	64QAM	1	12	20.31	20.43	20.38			
5	64QAM	1	24	20.37	20.44	20.28			
5	64QAM	12	0	19.76	19.76	19.83	21	3	
5	64QAM	12	7	19.68	19.84	19.71			
5	64QAM	12	13	19.78	19.78	19.73			
5	64QAM	25	0	19.66	19.87	19.68			

Band 41 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41655	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.81	22.70	22.89	22.77	22.75	24
20	QPSK	1	49	22.73	22.74	22.80	22.80	22.80	
20	QPSK	1	99	22.80	22.72	22.78	22.71	22.74	
20	QPSK	50	0	21.80	21.70	21.84	21.67	21.62	23
20	QPSK	50	24	21.75	21.71	21.73	21.71	21.75	
20	QPSK	50	50	21.83	21.76	21.76	21.70	21.73	
20	QPSK	100	0	21.76	21.68	21.78	21.72	21.75	23
20	16QAM	1	0	21.65	21.67	21.73	21.65	21.72	
20	16QAM	1	49	21.78	21.78	21.75	21.73	21.73	
20	16QAM	1	99	21.79	21.70	21.76	21.71	21.63	
20	16QAM	50	0	20.81	20.69	20.76	20.68	20.65	22
20	16QAM	50	24	20.74	20.72	20.77	20.69	20.73	
20	16QAM	50	50	20.74	20.67	20.81	20.70	20.71	
20	16QAM	100	0	20.82	20.63	20.77	20.68	20.76	
20	64QAM	1	0	20.32	20.36	20.51	20.48	20.48	22
20	64QAM	1	49	20.52	20.44	20.47	20.44	20.53	
20	64QAM	1	99	20.48	20.37	20.50	20.37	20.38	
20	64QAM	50	0	19.82	19.74	19.92	19.79	19.93	21
20	64QAM	50	24	19.96	19.89	19.96	19.81	19.80	
20	64QAM	50	50	19.83	19.81	19.83	19.85	19.86	
20	64QAM	100	0	19.89	19.83	19.85	19.78	19.81	
Channel				39725	40173	40620	41688	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5	
15	QPSK	1	0	22.66	22.64	22.80	22.71	22.61	24
15	QPSK	1	37	22.67	22.68	22.69	22.66	22.66	
15	QPSK	1	74	22.56	22.60	22.62	22.59	22.67	
15	QPSK	38	0	21.72	21.87	21.71	21.65	21.52	23
15	QPSK	38	20	21.64	21.82	21.67	21.60	21.60	
15	QPSK	38	39	21.71	21.68	21.65	21.58	21.62	
15	QPSK	75	0	21.66	21.57	21.72	21.63	21.68	
15	16QAM	1	0	21.60	21.62	21.67	21.51	21.65	23
15	16QAM	1	37	21.69	21.67	21.63	21.61	21.70	
15	16QAM	1	74	21.72	21.57	21.70	21.66	21.51	
15	16QAM	38	0	20.73	20.55	20.64	20.50	20.57	22
15	16QAM	38	20	20.65	20.64	20.63	20.54	20.66	
15	16QAM	38	39	20.62	20.62	20.76	20.63	20.60	
15	16QAM	75	0	20.69	20.58	20.72	20.64	20.68	
15	64QAM	1	0	20.18	20.29	20.48	20.37	20.39	22
15	64QAM	1	37						



**GSM850 Ant7 Default**

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	31.32	31.38	31.36	32.50	22.32	22.38	22.36	23.50
GSM 1 Tx slot	31.31	31.35	31.22	32.50	22.31	22.35	22.22	23.50
GPRS 2 Tx slots	30.35	30.42	30.36	31.50	24.35	24.42	24.36	25.50
GPRS 3 Tx slots	28.53	28.61	28.51	29.50	24.27	24.35	24.25	25.24
GPRS 4 Tx slots	27.36	27.47	27.34	28.50	24.36	24.47	24.34	25.50
EDGE 1 Tx slot	25.68	25.78	25.74	26.50	16.68	16.78	16.74	17.50
EDGE 2 Tx slots	24.59	24.73	24.59	25.50	18.59	18.73	18.59	19.50
EDGE 3 Tx slots	22.53	22.63	22.58	23.50	18.27	18.37	18.32	19.24
EDGE 4 Tx slots	21.30	21.38	21.34	22.50	18.30	18.38	18.34	19.50

**GSM1900 Ant7 DS17**

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8		
Frequency (MHz)	25.80	25.87	25.80	27.50	16.80	16.87	16.80	18.50
GSM 1 Tx slot	25.72	25.84	25.76	27.50	16.72	16.84	16.76	18.50
GPRS 2 Tx slots	25.09	25.23	25.16	26.50	19.09	19.23	19.16	20.50
GPRS 3 Tx slots	23.35	23.49	23.39	25.00	19.09	19.23	19.13	20.74
GPRS 4 Tx slots	22.32	22.44	22.37	24.00	19.32	19.44	19.37	21.00
EDGE 1 Tx slot	22.28	22.43	22.26	24.00	13.28	13.43	13.26	15.00
EDGE 2 Tx slots	21.32	21.41	21.28	23.00	15.32	15.41	15.28	17.00
EDGE 3 Tx slots	19.22	19.34	19.25	21.00	14.96	15.08	14.99	16.74
EDGE 4 Tx slots	17.99	18.03	17.94	19.50	14.99	15.03	14.94	16.50

**WCDMA II Ant7 Default**

**WCDMA IV Ant7 Default**

**WCDMA V Ant7 Default**

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458				
Rx Channel	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
Frequency (MHz)	20.70	20.75	20.67	22.00	20.85	21.11	21.07	22.00	21.50	21.68	21.65	23.00	
3GPP Rel 99	AMR 12.2Kbps	20.77	20.80	20.73	22.00	20.99	21.19	21.14	22.00	21.59	21.75	21.68	23.00
3GPP Rel 99	RMC 12.2Kbps	19.82	20.00	19.78	21.00	20.08	20.21	20.02	21.00	20.71	20.85	20.81	22.00
3GPP Rel 6	HSDPA Subtest-1	19.72	19.76	19.69	21.00	19.99	20.01	19.99	21.00	20.62	20.60	20.54	22.00
3GPP Rel 6	HSDPA Subtest-2	19.10	19.22	19.05	20.50	19.38	19.46	19.33	20.50	19.98	20.09	19.96	21.50
3GPP Rel 6	HSDPA Subtest-3	19.33	19.37	19.35	20.50	19.66	19.56	19.60	20.50	20.19	20.16	20.15	21.50
3GPP Rel 6	HSDPA Subtest-4	19.79	19.81	19.77	21.00	20.01	20.09	20.09	21.00	20.65	20.73	20.68	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.63	19.66	19.62	21.00	19.91	19.97	19.83	21.00	20.46	20.51	20.45	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	19.09	18.97	20.50	19.21	19.39	19.21	20.50	19.86	19.99	19.79	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.12	19.09	19.03	20.50	19.31	19.49	19.29	20.50	19.93	20.04	19.93	21.50
3GPP Rel 6	HSUPA Subtest-1	19.75	19.85	19.67	21.00	20.06	20.19	19.99	21.00	20.65	20.76	20.60	22.00
3GPP Rel 6	HSUPA Subtest-2	17.73	18.01	17.87	19.00	18.02	18.18	18.19	19.00	18.66	18.82	18.80	20.00
3GPP Rel 6	HSUPA Subtest-3	18.86	19.03	18.98	20.00	18.99	19.26	19.23	20.00	19.64	19.86	19.82	21.00
3GPP Rel 6	HSUPA Subtest-4	17.75	17.87	17.67	19.00	17.99	18.16	17.93	19.00	18.64	18.73	18.55	20.00
3GPP Rel 6	HSUPA Subtest-5	19.56	19.68	19.70	21.00	19.98	20.02	19.94	21.00	20.51	20.64	20.55	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.29	17.43	17.35	18.50	17.61	17.74	17.55	18.50	18.17	18.28	18.17	19.50



Band 2 Ant7 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.49	20.55	20.40				
20	QPSK	1	49	20.47	20.51	20.36		22	0	
20	QPSK	1	99	20.26	20.39	20.30				
20	QPSK	50	0	19.42	19.54	19.41				
20	QPSK	50	24	19.41	19.50	19.42		21	1	
20	QPSK	50	50	19.34	19.42	19.30				
20	QPSK	100	0	19.33	19.45	19.31				
20	16QAM	1	0	19.22	19.34	19.27				
20	16QAM	1	49	19.20	19.36	19.26		21	1	
20	16QAM	1	99	19.22	19.31	19.26				
20	16QAM	50	0	18.39	18.46	18.32				
20	16QAM	50	24	18.44	18.51	18.46		20	2	
20	16QAM	50	50	18.36	18.40	18.25				
20	16QAM	100	0	18.39	18.42	18.30				
20	64QAM	1	0	18.53	18.64	18.56				
20	64QAM	1	49	18.47	18.60	18.49		20	2	
20	64QAM	1	99	18.35	18.49	18.37				
20	64QAM	50	0	17.58	17.64	17.57				
20	64QAM	50	24	17.55	17.65	17.50				
20	64QAM	50	50	17.48	17.60	17.48		19	3	
20	64QAM	100	0	17.51	17.60	17.50				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.42	20.47	20.29				
15	QPSK	1	37	20.43	20.43	20.22		22	0	
15	QPSK	1	74	20.12	20.27	20.24				
15	QPSK	36	0	19.32	19.45	19.32				
15	QPSK	36	20	19.30	19.38	19.32				
15	QPSK	36	39	19.26	19.35	19.21		21	1	
15	QPSK	75	0	19.22	19.36	19.19				
15	16QAM	1	0	19.22	19.34	19.21				
15	16QAM	1	37	19.23	19.24	19.15		21	1	
15	16QAM	1	74	19.17	19.20	19.13				
15	16QAM	36	0	18.34	18.41	18.28				
15	16QAM	36	20	18.40	18.42	18.34				
15	16QAM	36	39	18.32	18.37	18.18		20	2	
15	16QAM	75	0	18.31	18.27	18.19				
15	64QAM	1	0	18.38	18.49	18.50				
15	64QAM	1	37	18.35	18.52	18.36		20	2	
15	64QAM	1	74	18.21	18.40	18.23				
15	64QAM	36	0	17.58	17.58	17.53				
15	64QAM	36	20	17.49	17.67	17.44				
15	64QAM	36	39	17.33	17.45	17.38		19	3	
15	64QAM	75	0	17.38	17.56	17.41				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.35	20.45	20.29				
10	QPSK	1	25	20.41	20.40	20.21		22	0	
10	QPSK	1	49	20.11	20.28	20.17				
10	QPSK	25	0	19.28	19.46	19.29				
10	QPSK	25	12	19.36	19.39	19.31		21	1	
10	QPSK	25	25	19.20	19.31	19.22				
10	QPSK	50	0	19.32	19.40	19.17				
10	16QAM	1	0	19.17	19.26	19.18				
10	16QAM	1	25	19.26	19.33	19.21		21	1	
10	16QAM	1	49	19.07	19.20	19.14				
10	16QAM	25	0	18.36	18.34	18.28				
10	16QAM	25	12	18.35	18.43	18.33		20	2	
10	16QAM	25	25	18.23	18.32	18.19				
10	16QAM	50	0	18.28	18.37	18.20				
10	64QAM	1	0	18.41	18.58	18.41				
10	64QAM	1	25	18.37	18.46	18.41		20	2	
10	64QAM	1	49	18.21	18.54	18.33				
10	64QAM	25	0	17.44	17.53	17.47				
10	64QAM	25	12	17.42	17.53	17.41				
10	64QAM	25	25	17.34	17.48	17.46		19	3	
10	64QAM	50	0	17.41	17.49	17.34				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.41	20.52	20.36				
5	QPSK	1	12	20.38	20.47	20.33		22	0	
5	QPSK	1	24	20.11	20.26	20.23				
5	QPSK	12	0	19.36	19.44	19.28				
5	QPSK	12	7	19.32	19.40	19.27		21	1	
5	QPSK	12	13	19.19	19.38	19.15				
5	QPSK	25	0	19.25	19.37	19.19				
5	16QAM	1	0	19.14	19.30	19.16				
5	16QAM	1	12	19.19	19.30	19.12		21	1	
5	16QAM	1	24	19.18	19.20	19.17				
5	16QAM	12	0	18.35	18.39	18.21				
5	16QAM	12	7	18.39	18.38	18.38		20	2	
5	16QAM	12	13	18.27	18.30	18.15				
5	16QAM	25	0	18.33	18.27	18.26				
5	64QAM	1	0	18.24	18.54	18.46				
5	64QAM	1	12	18.39	18.54	18.37		20	2	
5	64QAM	1	24	18.20	18.36	18.26				
5	64QAM	12	0	17.48	17.52	17.48				
5	64QAM	12	7	17.50	17.50	17.39				
5	64QAM	12	13	17.39	17.46	17.37		19	3	
5	64QAM	25	0	17.44	17.48	17.36				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.43	20.50	20.28				
3	QPSK	1	8	20.42	20.37	20.21		22	0	
3	QPSK	1	14	20.17	20.31	20.27				
3	QPSK	8	0	19.31	19.39	19.32				
3	QPSK	8	4	19.36	19.40	19.29		21	1	
3	QPSK	8	7	19.19	19.32	19.15				
3	QPSK	15	0	19.25	19.33	19.21				
3	16QAM	1	0	19.17	19.28	19.22				
3	16QAM	1	8	19.25	19.24	19.20		21	1	
3	16QAM	1	14	19.11	19.18	19.22				
3	16QAM	8	0	18.24	18.37	18.20				
3	16QAM	8	4	18.29	18.43	18.32		20	2	
3	16QAM	8	7	18.28	18.33	18.22				
3	16QAM	15	0	18.25	18.29	18.17				
3	64QAM	1	0	18.47	18.53	18.47				
3	64QAM	1	8	18.39	18.53	18.42		20	2	
3	64QAM	1	14	18.30	18.44	18.27				
3	64QAM	8	0	17.55	17.49	17.43				
3	64QAM	8	4	17.49	17.62	17.43		19	3	
3	64QAM	8	7	17.37	17.49	17.43				
3	64QAM	15	0	17.45	17.47	17.43				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.37	20.45	20.37				
1.4	QPSK	1	3	20.40	20.39	20.24		22	0	
1.4	QPSK	1	6	20.32	20.32	20.20				
1.4	QPSK	3	0	20.35	20.41	20.35				
1.4	QPSK	3	1	20.38	20.38	20.27				
1.4	QPSK	3	3	20.23	20.35	20.25				
1.4	QPSK	6	0	19.29	19.51	19.32		21	1	
1.4	16QAM	1	0	19.34	19.38	19.31				
1.4	16QAM	1	3	19.20	19.39	19.22				
1.4	16QAM	1	5	19.26	19.36	19.26		21	1	
1.4	16QAM	3	0	19.12	19.25	19.20				
1.4	16QAM	3	1	19.27	19.23	19.21				
1.4	16QAM	3	3	19.18	19.20	19.18		20	2	
1.4	16QAM	6	0	18.30	18.40	18.27				
1.4	64QAM	1	0	18.35	18.38	18.38				
1.4	64QAM	1	3	18.23	18.28	18.16		20	2	
1.4	64QAM	1	5	18.24	18.37	18.24				
1.4	64QAM	3	0	18.44	18.59	18.44				
1.4	64QAM	3	1	18.34	18.45	18.39				
1.4	64QAM	3	3	18.31	18.46	18.34		19	3	
1.4	64QAM	6	0	17.52	17.59	17.39				

Band 4 Ant7 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.					



## Default Power for WWAN for Other PA

Band 7 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR	
				Low Ch./F.Freq.	Middle Ch./F.Freq.	High Ch./F.Freq.			
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.95	23.17	23.12	24	0	
20	QPSK	1	49	22.93	23.13	23.00			
20	QPSK	1	99	22.86	22.96	22.95			
20	QPSK	50	0	21.99	22.14	22.00	23	1	
20	QPSK	50	24	21.98	21.98	21.89			
20	QPSK	50	50	21.89	22.15	22.08			
20	QPSK	100	0	21.94	22.11	22.01	23	1	
20	16QAM	1	0	21.85	22.02	21.98			
20	16QAM	1	49	21.85	21.97	22.00			
20	16QAM	1	99	21.93	22.04	21.95	22	2	
20	16QAM	50	0	21.18	21.18	21.18			
20	16QAM	50	24	20.94	21.04	20.93			
20	16QAM	50	50	21.02	21.12	21.00	22	2	
20	16QAM	100	0	21.12	21.10	21.04			
20	64QAM	1	0	20.93	21.00	20.94			
20	64QAM	1	49	21.02	21.12	21.05	21	3	
20	64QAM	1	99	20.88	21.11	21.11			
20	64QAM	50	0	20.14	20.08	19.92			
20	64QAM	50	24	19.93	19.97	19.81	21	3	
20	64QAM	50	50	19.91	20.03	20.03			
20	64QAM	100	0	19.95	20.01	20.01			
Channel				20925	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.91	23.12	23.07	24	0	
15	QPSK	1	37	22.86	23.08	22.94			
15	QPSK	1	74	22.71	22.87	22.86			
15	QPSK	36	0	21.89	22.05	21.93	23	1	
15	QPSK	36	20	21.86	21.94	21.83			
15	QPSK	36	39	21.84	22.08	21.97			
15	QPSK	75	0	21.86	22.07	21.95	23	1	
15	16QAM	1	0	21.75	21.94	21.83			
15	16QAM	1	37	21.79	21.90	21.93			
15	16QAM	1	74	21.86	21.91	21.85	22	2	
15	16QAM	36	0	21.12	21.05	21.06			
15	16QAM	36	20	20.82	20.98	20.82			
15	16QAM	36	39	20.95	20.98	20.88	22	2	
15	16QAM	75	0	20.97	21.04	20.90			
15	64QAM	1	0	20.83	20.89	20.90			
15	64QAM	1	37	20.84	21.06	20.98	21	3	
15	64QAM	1	74	20.90	20.98	21.07			
15	64QAM	36	0	20.05	20.01	19.78			
15	64QAM	36	20	19.85	19.89	19.71	21	3	
15	64QAM	36	39	19.77	19.90	19.88			
15	64QAM	75	0	19.87	19.87	19.93			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.80	23.04	23.01	24	0	
10	QPSK	1	25	22.87	23.01	22.91			
10	QPSK	1	49	22.79	22.86	22.90			
10	QPSK	25	0	21.88	22.03	21.90	23	1	
10	QPSK	25	12	21.87	21.89	21.84			
10	QPSK	25	25	21.79	22.02	22.01			
10	QPSK	50	0	21.88	22.07	21.92	23	1	
10	16QAM	1	0	21.71	21.91	21.93			
10	16QAM	1	25	21.73	21.89	21.96			
10	16QAM	1	49	21.86	21.92	21.91	22	2	
10	16QAM	25	0	21.09	21.03	21.11			
10	16QAM	25	12	20.84	20.99	20.78			
10	16QAM	25	25	20.88	20.99	20.86	22	2	
10	16QAM	50	0	21.03	20.98	20.90			
10	64QAM	1	0	20.83	20.89	20.89			
10	64QAM	1	25	20.81	21.01	20.96	21	3	
10	64QAM	1	49	20.84	21.00	20.98			
10	64QAM	25	0	20.00	19.96	19.87			
10	64QAM	25	12	19.86	19.89	19.76	21	3	
10	64QAM	25	25	19.78	19.94	19.99			
10	64QAM	50	0	19.82	19.87	19.91			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.81	23.10	23.00	24	0	
5	QPSK	1	12	22.89	23.03	22.95			
5	QPSK	1	24	22.78	22.86	22.82			
5	QPSK	12	0	21.94	22.03	21.87	23	1	
5	QPSK	12	7	21.89	21.86	21.86			
5	QPSK	12	13	21.84	22.09	21.96			
5	QPSK	25	0	21.87	22.04	21.96	23	1	
5	16QAM	1	0	21.70	21.97	21.86			
5	16QAM	1	12	21.82	21.89	21.92			
5	16QAM	1	24	21.89	21.96	21.81	22	2	
5	16QAM	12	0	21.06	21.05	21.09			
5	16QAM	12	7	20.90	20.91	20.86			
5	16QAM	12	13	20.89	21.09	20.86	22	2	
5	16QAM	25	0	21.08	20.99	20.99			
5	64QAM	1	0	20.78	20.95	20.83			
5	64QAM	1	12	20.97	21.08	20.95	21	3	
5	64QAM	1	24	20.91	21.04	21.04			
5	64QAM	12	0	20.02	20.04	19.89			
5	64QAM	12	7	19.78	19.86	19.76	21	3	
5	64QAM	12	13	19.79	19.96	19.94			
5	64QAM	25	0	19.80	19.89	19.88			



## Reduced Power for DSI 2 for other PA

Band 7 Ant7 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.98	18.25	18.00			
20	QPSK	1	49	17.92	18.22	18.01	19	0	
20	QPSK	1	99	17.90	17.99	18.01			
20	QPSK	50	0	17.88	18.22	17.91			
20	QPSK	50	24	17.72	18.21	17.95	19	0	
20	QPSK	50	50	17.85	17.85	17.95			
20	QPSK	100	0	17.81	18.07	17.94			
20	16QAM	1	0	17.79	18.00	17.99			
20	16QAM	1	49	17.73	17.94	17.95	19	0	
20	16QAM	1	99	18.00	17.99	17.90			
20	16QAM	50	0	17.75	18.22	17.98			
20	16QAM	50	24	17.88	17.80	17.93	19	0	
20	16QAM	50	50	17.94	18.04	17.88			
20	16QAM	100	0	17.70	18.11	18.00			
20	64QAM	1	0	17.79	17.86	17.93			
20	64QAM	1	49	17.77	18.17	17.84	19	0	
20	64QAM	1	99	17.85	18.24	17.89			
20	64QAM	50	0	17.79	17.79	17.85			
20	64QAM	50	24	17.89	18.00	17.86	19	0	
20	64QAM	50	50	17.80	18.03	17.84			
20	64QAM	100	0	17.87	17.95	17.85			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.80	18.06	18.01			
15	QPSK	1	37	17.87	18.12	17.81	19	0	
15	QPSK	1	74	17.72	18.01	17.84			
15	QPSK	36	0	17.93	18.02	17.81			
15	QPSK	36	20	17.88	17.88	17.80	19	0	
15	QPSK	36	39	17.76	17.91	17.90			
15	QPSK	75	0	17.77	18.08	17.72			
15	16QAM	1	0	17.85	17.88	17.96			
15	16QAM	1	37	17.71	17.89	17.87	19	0	
15	16QAM	1	74	17.80	17.92	17.91			
15	16QAM	36	0	17.77	18.17	17.90			
15	16QAM	36	20	17.68	17.82	17.75	19	0	
15	16QAM	36	39	17.95	18.03	17.70			
15	16QAM	75	0	17.67	18.04	17.97			
15	64QAM	1	0	17.85	17.74	17.90			
15	64QAM	1	37	17.69	17.99	17.65	19	0	
15	64QAM	1	74	17.70	18.07	17.85			
15	64QAM	36	0	17.67	17.77	17.81			
15	64QAM	36	20	17.89	17.86	17.74	19	0	
15	64QAM	36	39	17.76	17.83	17.85			
15	64QAM	75	0	17.83	17.96	17.70			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.77	18.07	17.81			
10	QPSK	1	25	17.70	18.07	17.91	19	0	
10	QPSK	1	49	17.87	17.98	17.80			
10	QPSK	25	0	17.68	17.85	17.79	19	0	
10	QPSK	25	12	17.71	18.06	17.76			
10	QPSK	25	25	17.88	17.79	17.77			
10	QPSK	50	0	17.78	18.07	17.82			
10	16QAM	1	0	17.72	17.81	17.89			
10	16QAM	1	25	17.57	17.80	17.82	19	0	
10	16QAM	1	49	17.88	17.94	17.86			
10	16QAM	25	0	17.72	18.10	17.99			
10	16QAM	25	12	17.70	17.80	17.81	19	0	
10	16QAM	25	25	17.82	17.84	17.72			
10	16QAM	50	0	17.67	17.89	18.01			
10	64QAM	1	0	17.75	18.16	17.89			
10	64QAM	1	25	17.89	17.91	17.91	19	0	
10	64QAM	1	49	17.78	17.99	17.69			
10	64QAM	25	0	17.81	17.81	17.74			
10	64QAM	25	12	17.70	17.87	17.69	19	0	
10	64QAM	25	25	17.82	17.86	17.84			
10	64QAM	50	0	17.86	17.74	17.64			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.87	18.00	17.90			
5	QPSK	1	12	17.83	18.06	17.82	19	0	
5	QPSK	1	24	17.87	17.80	17.85			
5	QPSK	12	0	17.74	18.13	18.03			
5	QPSK	12	7	17.88	17.90	17.79	19	0	
5	QPSK	12	13	17.82	17.90	17.70			
5	QPSK	25	0	17.77	18.04	17.77			
5	16QAM	1	0	17.58	17.90	17.93			
5	16QAM	1	12	17.54	17.73	17.88	19	0	
5	16QAM	1	24	17.78	17.81	17.72			
5	16QAM	12	0	17.80	18.20	17.96			
5	16QAM	12	7	17.96	17.82	18.02	19	0	
5	16QAM	12	13	17.83	18.10	17.91			
5	16QAM	25	0	17.84	17.93	17.89			
5	64QAM	1	0	17.77	17.75	17.85			
5	64QAM	1	12	17.67	18.13	17.74	19	0	
5	64QAM	1	24	17.85	18.13	17.84			
5	64QAM	12	0	17.81	17.86	17.80			
5	64QAM	12	7	17.90	17.92	17.69	19	0	
5	64QAM	12	13	17.80	17.92	17.84			
5	64QAM	25	0	17.67	17.80	17.85			



### Reduced Power for DSI 3 for other PA

Band 7 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				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.83	20.15	20.07			
20	QPSK	1	49	19.91	20.13	20.09	21	0	
20	QPSK	1	99	19.90	19.93	19.93			
20	QPSK	50	0	19.74	20.10	19.99			
20	QPSK	50	24	19.82	19.98	20.08	21	0	
20	QPSK	50	50	19.80	19.75	19.83			
20	QPSK	100	0	19.83	20.06	20.01			
20	16QAM	1	0	19.72	19.95	19.80			
20	16QAM	1	49	19.72	19.87	19.88	21	0	
20	16QAM	1	99	19.79	19.73	19.86			
20	16QAM	50	0	19.72	19.89	19.88			
20	16QAM	50	24	19.69	19.79	19.83	21	0	
20	16QAM	50	50	19.73	19.67	19.82			
20	16QAM	100	0	19.66	20.10	19.94			
20	64QAM	1	0	19.62	19.83	19.87			
20	64QAM	1	49	19.91	19.68	19.81	21	0	
20	64QAM	1	99	19.72	19.92	19.96			
20	64QAM	50	0	19.61	19.98	20.08			
20	64QAM	50	24	19.69	20.00	19.83	21	0	
20	64QAM	50	50	19.61	19.98	19.87			
20	64QAM	100	0	19.82	19.78	19.82			
Channel				2092.5	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.79	20.05	20.04			
15	QPSK	1	37	19.72	20.10	20.02	21	0	
15	QPSK	1	74	19.71	19.82	19.81			
15	QPSK	36	0	19.54	20.04	19.97			
15	QPSK	36	20	19.70	19.81	20.01	21	0	
15	QPSK	36	39	19.77	19.74	19.91			
15	QPSK	75	0	19.81	19.86	20.03			
15	16QAM	1	0	19.50	19.74	19.73			
15	16QAM	1	37	19.68	19.80	19.85	21	0	
15	16QAM	1	74	19.67	19.67	19.69			
15	16QAM	36	0	19.62	19.91	19.68			
15	16QAM	36	20	19.58	19.61	19.89	21	0	
15	16QAM	36	39	19.70	19.57	19.61			
15	16QAM	75	0	19.57	19.98	19.87			
15	64QAM	1	0	19.51	19.75	19.77			
15	64QAM	1	37	19.77	19.69	19.71	21	0	
15	64QAM	1	74	19.57	19.79	19.85			
15	64QAM	36	0	19.62	19.99	20.03			
15	64QAM	36	20	19.63	20.10	19.88	21	0	
15	64QAM	36	39	19.79	19.90	19.84			
15	64QAM	75	0	19.77	19.62	19.81			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.71	19.97	19.88			
10	QPSK	1	25	19.78	19.92	20.09	21	0	
10	QPSK	1	49	19.72	19.78	19.87			
10	QPSK	25	0	19.75	19.90	19.91	21	0	
10	QPSK	25	12	19.84	19.89	19.88			
10	QPSK	25	25	19.74	19.84	19.87			
10	QPSK	50	0	19.80	19.93	19.87			
10	16QAM	1	0	19.73	19.90	19.81			
10	16QAM	1	25	19.84	19.66	19.92	21	0	
10	16QAM	1	49	19.78	19.74	19.82			
10	16QAM	25	0	19.52	19.91	19.75	21	0	
10	16QAM	25	12	19.62	19.85	19.83			
10	16QAM	25	25	19.84	20.01	19.85			
10	16QAM	50	0	19.88	20.10	19.96			
10	64QAM	1	0	19.70	19.72	19.83			
10	64QAM	1	25	19.73	19.57	19.69	21	0	
10	64QAM	1	49	19.54	19.86	19.97			
10	64QAM	25	0	19.79	19.84	19.92	21	0	
10	64QAM	25	12	19.81	19.85	19.91			
10	64QAM	25	25	19.81	19.89	19.73			
10	64QAM	50	0	19.65	19.67	19.81			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.79	19.84	19.91			
5	QPSK	1	12	19.80	19.92	19.93	21	0	
5	QPSK	1	24	19.71	19.79	19.89			
5	QPSK	12	0	19.61	20.02	19.95	21	0	
5	QPSK	12	7	19.68	19.85	19.88			
5	QPSK	12	13	19.74	19.54	19.77			
5	QPSK	25	0	19.77	19.97	19.86			
5	16QAM	1	0	19.71	19.75	19.75			
5	16QAM	1	12	19.53	19.81	19.89	21	0	
5	16QAM	1	24	19.69	19.53	19.78			
5	16QAM	12	0	19.58	19.75	19.74	21	0	
5	16QAM	12	7	19.53	19.70	19.91			
5	16QAM	12	13	19.53	19.54	19.76			
5	16QAM	25	0	19.57	20.04	19.92			
5	64QAM	1	0	19.60	19.62	19.72			
5	64QAM	1	12	19.78	19.52	19.66	21	0	
5	64QAM	1	24	19.65	19.90	19.76			
5	64QAM	12	0	19.57	19.89	19.91	21	0	
5	64QAM	12	7	19.53	19.80	19.72			
5	64QAM	12	13	19.56	19.95	19.68			
5	64QAM	25	0	19.71	19.60	19.72			



Reduced Power for DSI 4 for Other PA

Band 7 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.95	23.17	23.12	24	0	
20	QPSK	1	49	22.93	23.13	23.00			
20	QPSK	1	99	22.86	22.96	22.95			
20	QPSK	50	0	21.99	22.14	22.00	23	1	
20	QPSK	50	24	21.98	21.98	21.89			
20	QPSK	50	50	21.89	22.15	22.08			
20	QPSK	100	0	21.94	22.11	22.01	23	1	
20	16QAM	1	0	21.85	22.02	21.98			
20	16QAM	1	49	21.85	21.97	22.00			
20	16QAM	1	99	21.93	22.04	21.95	22	2	
20	16QAM	50	0	21.18	21.18	21.18			
20	16QAM	50	24	20.94	21.04	20.93			
20	16QAM	50	50	21.02	21.12	21.00	22	2	
20	16QAM	100	0	21.12	21.10	21.04			
20	64QAM	1	0	20.93	21.00	20.94			
20	64QAM	1	49	21.02	21.12	21.05	21	3	
20	64QAM	1	99	20.88	21.11	21.11			
20	64QAM	50	0	20.14	20.08	19.92			
20	64QAM	50	24	19.93	19.97	19.81	21	3	
20	64QAM	50	50	19.91	20.03	20.03			
20	64QAM	100	0	19.95	20.01	20.01			
Channel				20925	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.91	23.12	23.07	24	0	
15	QPSK	1	37	22.86	23.08	22.94			
15	QPSK	1	74	22.71	22.87	22.86			
15	QPSK	36	0	21.89	22.05	21.93	23	1	
15	QPSK	36	20	21.86	21.94	21.83			
15	QPSK	36	39	21.84	22.08	21.97			
15	QPSK	75	0	21.86	22.07	21.95	23	1	
15	16QAM	1	0	21.75	21.94	21.83			
15	16QAM	1	37	21.79	21.90	21.93			
15	16QAM	1	74	21.86	21.91	21.85	22	2	
15	16QAM	36	0	21.12	21.05	21.06			
15	16QAM	36	20	20.82	20.98	20.82			
15	16QAM	36	39	20.95	20.98	20.88	22	2	
15	16QAM	75	0	20.97	21.04	20.90			
15	64QAM	1	0	20.83	20.89	20.90			
15	64QAM	1	37	20.84	21.06	20.98	21	3	
15	64QAM	1	74	20.90	20.98	21.07			
15	64QAM	36	0	20.05	20.01	19.78			
15	64QAM	36	20	19.85	19.89	19.71	21	3	
15	64QAM	36	39	19.77	19.90	19.88			
15	64QAM	75	0	19.87	19.87	19.93			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.80	23.04	23.01	24	0	
10	QPSK	1	25	22.87	23.01	22.91			
10	QPSK	1	49	22.79	22.86	22.90			
10	QPSK	25	0	21.88	22.03	21.90	23	1	
10	QPSK	25	12	21.87	21.89	21.84			
10	QPSK	25	25	21.79	22.02	22.01			
10	QPSK	50	0	21.88	22.07	21.92	23	1	
10	16QAM	1	0	21.71	21.91	21.93			
10	16QAM	1	25	21.73	21.89	21.96			
10	16QAM	1	49	21.86	21.92	21.91	22	2	
10	16QAM	25	0	21.09	21.03	21.11			
10	16QAM	25	12	20.84	20.99	20.78			
10	16QAM	25	25	20.88	20.99	20.86	22	2	
10	16QAM	50	0	21.03	20.98	20.90			
10	64QAM	1	0	20.83	20.89	20.89			
10	64QAM	1	25	20.81	21.01	20.96	21	3	
10	64QAM	1	49	20.84	21.00	20.98			
10	64QAM	25	0	20.00	19.96	19.87			
10	64QAM	25	12	19.86	19.89	19.76	21	3	
10	64QAM	25	25	19.78	19.94	19.99			
10	64QAM	50	0	19.82	19.87	19.91			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.81	23.10	23.00	24	0	
5	QPSK	1	12	22.89	23.03	22.95			
5	QPSK	1	24	22.78	22.86	22.82			
5	QPSK	12	0	21.94	22.03	21.87	23	1	
5	QPSK	12	7	21.89	21.86	21.86			
5	QPSK	12	13	21.84	22.09	21.96			
5	QPSK	25	0	21.87	22.04	21.96	23	1	
5	16QAM	1	0	21.70	21.97	21.86			
5	16QAM	1	12	21.82	21.89	21.92			
5	16QAM	1	24	21.89	21.96	21.81	22	2	
5	16QAM	12	0	21.06	21.05	21.09			
5	16QAM	12	7	20.90	20.91	20.86			
5	16QAM	12	13	20.89	21.09	20.86	22	2	
5	16QAM	25	0	21.08	20.99	20.99			
5	64QAM	1	0	20.78	20.95	20.83			
5	64QAM	1	12	20.97	21.08	20.95	21	3	
5	64QAM	1	24	20.91	21.04	21.04			
5	64QAM	12	0	20.02	20.04	19.89			
5	64QAM	12	7	19.78	19.86	19.76	21	3	
5	64QAM	12	13	19.79	19.96	19.94			
5	64QAM	25	0	19.80	19.89	19.88			





Reduced Power for DSI 6 for Other PA

Band 7 Ant7 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.83	20.15	20.07			
20	QPSK	1	49	19.91	20.13	20.09	21	0	
20	QPSK	1	99	19.90	19.93	19.93			
20	QPSK	50	0	19.74	20.10	19.99			
20	QPSK	50	24	19.82	19.98	20.08	21	0	
20	QPSK	50	50	19.80	19.75	19.83			
20	QPSK	100	0	19.83	20.06	20.01			
20	16QAM	1	0	19.72	19.95	19.80			
20	16QAM	1	49	19.72	19.87	19.88	21	0	
20	16QAM	1	99	19.79	19.73	19.86			
20	16QAM	50	0	19.72	19.88	19.88			
20	16QAM	50	24	19.69	19.79	19.83	21	0	
20	16QAM	50	50	19.73	19.67	19.82			
20	16QAM	100	0	19.66	20.10	19.94			
20	64QAM	1	0	19.62	19.83	19.87			
20	64QAM	1	49	19.91	19.68	19.81	21	0	
20	64QAM	1	99	19.72	19.92	19.96			
20	64QAM	50	0	19.61	19.98	20.08			
20	64QAM	50	24	19.69	20.00	19.83	21	0	
20	64QAM	50	50	19.61	19.98	19.87			
20	64QAM	100	0	19.82	19.78	19.82			
Channel				2092.5	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.79	20.05	20.04			
15	QPSK	1	37	19.72	20.10	20.02	21	0	
15	QPSK	1	74	19.71	19.82	19.81			
15	QPSK	36	0	19.54	20.04	19.97			
15	QPSK	36	20	19.70	19.81	20.01	21	0	
15	QPSK	36	39	19.77	19.74	19.91			
15	QPSK	75	0	19.81	19.86	20.03			
15	16QAM	1	0	19.50	19.74	19.73			
15	16QAM	1	37	19.68	19.80	19.85	21	0	
15	16QAM	1	74	19.67	19.67	19.69			
15	16QAM	36	0	19.62	19.91	19.68			
15	16QAM	36	20	19.58	19.61	19.88	21	0	
15	16QAM	36	39	19.70	19.57	19.61			
15	16QAM	75	0	19.57	19.98	19.87			
15	64QAM	1	0	19.51	19.75	19.77			
15	64QAM	1	37	19.77	19.69	19.71	21	0	
15	64QAM	1	74	19.57	19.79	19.85			
15	64QAM	36	0	19.62	19.99	20.03			
15	64QAM	36	20	19.63	20.10	19.88	21	0	
15	64QAM	36	39	19.79	19.90	19.84			
15	64QAM	75	0	19.77	19.62	19.81			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.71	19.97	19.88			
10	QPSK	1	25	19.78	19.92	20.09	21	0	
10	QPSK	1	49	19.72	19.78	19.87			
10	QPSK	25	0	19.75	19.90	19.91	21	0	
10	QPSK	25	12	19.84	19.88	19.88			
10	QPSK	25	25	19.74	19.84	19.87			
10	QPSK	50	0	19.80	19.93	19.87			
10	16QAM	1	0	19.73	19.90	19.81			
10	16QAM	1	25	19.84	19.66	19.92	21	0	
10	16QAM	1	49	19.78	19.74	19.82			
10	16QAM	25	0	19.52	19.91	19.75			
10	16QAM	25	12	19.62	19.85	19.83	21	0	
10	16QAM	25	25	19.84	20.01	19.85			
10	16QAM	50	0	19.88	20.10	19.96			
10	64QAM	1	0	19.70	19.72	19.83			
10	64QAM	1	25	19.73	19.57	19.69	21	0	
10	64QAM	1	49	19.54	19.86	19.97			
10	64QAM	25	0	19.79	19.84	19.92	21	0	
10	64QAM	25	12	19.81	19.85	19.91			
10	64QAM	25	25	19.81	19.89	19.73			
10	64QAM	50	0	19.65	19.67	19.81			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.79	19.84	19.91			
5	QPSK	1	12	19.80	19.92	19.93	21	0	
5	QPSK	1	24	19.71	19.79	19.89			
5	QPSK	12	0	19.61	20.02	19.95	21	0	
5	QPSK	12	7	19.68	19.85	19.88			
5	QPSK	12	13	19.74	19.54	19.77			
5	QPSK	25	0	19.77	19.97	19.86			
5	16QAM	1	0	19.71	19.75	19.75			
5	16QAM	1	12	19.53	19.81	19.89	21	0	
5	16QAM	1	24	19.69	19.53	19.78			
5	16QAM	12	0	19.58	19.75	19.74	21	0	
5	16QAM	12	7	19.53	19.70	19.91			
5	16QAM	12	13	19.53	19.54	19.76			
5	16QAM	25	0	19.57	20.04	19.92			
5	64QAM	1	0	19.60	19.62	19.72			
5	64QAM	1	12	19.78	19.52	19.66	21	0	
5	64QAM	1	24	19.65	19.90	19.76			
5	64QAM	12	0	19.57	19.88	19.91	21	0	
5	64QAM	12	7	19.53	19.80	19.72			
5	64QAM	12	13	19.56	19.95	19.68			
5	64QAM	25	0	19.71	19.60	19.72			



Reduced Power for DSI 7 for Other PA

Band 7 Ant7 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.83	20.15	20.07	21	0	
20	QPSK	1	49	19.91	20.13	20.09			
20	QPSK	1	99	19.90	19.93	19.93			
20	QPSK	50	0	19.74	20.10	19.99	21	0	
20	QPSK	50	24	19.82	19.98	20.08			
20	QPSK	50	50	19.05	19.04	19.08			
20	QPSK	100	0	19.83	20.06	20.01	21	0	
20	16QAM	1	0	19.71	19.89	19.94			
20	16QAM	1	49	19.73	19.94	20.08			
20	16QAM	1	99	19.88	19.78	19.87	21	0	
20	16QAM	50	0	19.17	19.18	19.07			
20	16QAM	50	24	19.05	19.03	19.07			
20	16QAM	50	50	19.05	19.04	19.08	21	0	
20	16QAM	100	0	19.05	19.01	19.09			
20	64QAM	1	0	19.02	19.05	19.02			
20	64QAM	1	49	19.03	19.06	19.03	21	0	
20	64QAM	1	99	19.04	19.00	19.13			
20	64QAM	50	0	19.22	19.04	19.03			
20	64QAM	50	24	19.01	19.08	19.03	21	0	
20	64QAM	50	50	19.02	19.08	19.15			
20	64QAM	100	0	19.09	19.09	19.06			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.82	20.14	20.06	21	0	
15	QPSK	1	37	19.90	20.12	20.09			
15	QPSK	1	74	19.90	19.91	19.92			
15	QPSK	36	0	19.73	20.09	19.98	21	0	
15	QPSK	36	20	19.81	19.07	20.08			
15	QPSK	36	39	19.89	19.75	19.93			
15	QPSK	75	0	19.82	20.05	20.00	21	0	
15	16QAM	1	0	19.70	19.87	19.93			
15	16QAM	1	37	19.71	19.93	20.07			
15	16QAM	1	74	19.66	19.77	19.85	21	0	
15	16QAM	36	0	19.16	19.18	19.07			
15	16QAM	36	20	19.04	19.03	19.05			
15	16QAM	36	39	19.03	19.02	19.07	21	0	
15	16QAM	75	0	19.04	19.05	19.09			
15	64QAM	1	0	19.02	19.03	19.02			
15	64QAM	1	37	19.02	19.05	19.03	21	0	
15	64QAM	1	74	19.03	19.08	19.11			
15	64QAM	36	0	19.22	19.03	19.01			
15	64QAM	36	20	19.01	19.07	19.02	21	0	
15	64QAM	36	39	19.01	19.09	19.14			
15	64QAM	75	0	19.09	19.07	19.06			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.82	20.14	20.04	21	0	
10	QPSK	1	25	19.88	20.09	20.07			
10	QPSK	1	49	19.88	19.90	19.91			
10	QPSK	25	0	19.71	20.08	19.97	21	0	
10	QPSK	25	12	19.81	19.88	20.04			
10	QPSK	25	25	19.88	19.73	19.91			
10	QPSK	50	0	19.82	20.05	19.98	21	0	
10	16QAM	1	0	19.68	19.88	19.90			
10	16QAM	1	25	19.89	19.93	20.05			
10	16QAM	1	49	19.65	19.74	19.86	21	0	
10	16QAM	25	0	19.15	19.17	19.05			
10	16QAM	25	12	19.03	19.02	19.06			
10	16QAM	25	25	19.03	19.02	19.06	21	0	
10	16QAM	50	0	19.05	19.00	19.06			
10	64QAM	1	0	19.00	19.04	19.00			
10	64QAM	1	25	19.01	19.04	19.00	21	0	
10	64QAM	1	49	19.01	19.02	19.12			
10	64QAM	25	0	19.20	19.02	19.00			
10	64QAM	25	12	19.11	19.06	19.00	21	0	
10	64QAM	25	25	19.13	19.09	19.14			
10	64QAM	50	0	19.09	19.07	19.03			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.80	20.12	20.01	21	0	
5	QPSK	1	12	19.89	20.08	20.06			
5	QPSK	1	24	19.88	19.90	19.90			
5	QPSK	12	0	19.70	20.07	19.95	21	0	
5	QPSK	12	7	19.79	19.88	20.04			
5	QPSK	12	13	19.87	19.75	19.90			
5	QPSK	25	0	19.82	20.06	19.96	21	0	
5	16QAM	1	0	19.70	19.85	19.90			
5	16QAM	1	12	19.68	19.92	20.04			
5	16QAM	1	24	19.66	19.74	19.84	21	0	
5	16QAM	12	0	19.16	19.13	19.04			
5	16QAM	12	7	19.01	19.00	19.04			
5	16QAM	12	13	19.02	19.02	19.07	21	0	
5	16QAM	25	0	19.05	19.05	19.04			
5	64QAM	1	0	19.02	19.01	19.00			
5	64QAM	1	12	19.01	19.02	19.01	21	0	
5	64QAM	1	24	19.05	19.08	19.12			
5	64QAM	12	0	19.20	19.02	19.01			
5	64QAM	12	7	19.04	19.03	19.00	21	0	
5	64QAM	12	13	19.02	19.07	19.13			
5	64QAM	25	0	19.07	19.08	19.05			



## Uplink CA Power

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.37	24.00
21100	21298	QPSK	1	99	1	0	22.41	24.00
21350	21152	QPSK	1	0	1	99	22.32	24.00



**DL CA Power**  
2CA DL

CA List	PCC									SCC					Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq (MHz)	Channel		Tx Power (dBm)	Tx Power (dBm)
CA_2A-5A	Band 2	Ant 1	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		22.39	22.56
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		22.74	22.88
	Band 2	Ant 7	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		20.45	20.55
	Band 5	Ant 7	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		21.32	21.48
CA_2A-7A	Band 2	Ant 1	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.43	22.56
	Band 2	Ant 7	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	20.32	20.55
CA_5A-7A	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		22.61	22.99
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.73	22.88
	Band 5	Ant 7	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	21.36	21.48
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.89	22.99
CA_5A-38A	Band 38	Ant 2	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.78	22.87
CA_5A-41A	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.77	22.89
CA_7B	Band 7	Ant 2	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	22.81	22.99
CA_7C	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.86	22.99
CA_7A-7A	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	267.5	3425	4x4MIMO	22.85	22.99
CA_38C	Band 38	Ant 2	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	22.72	22.87
CA_41C	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.75	22.89
CA_41A-41A	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	22.70	22.89



3CA DL

3CA List	PCC									SCC1				SCC2				Power			
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq	Channel		RB	RB		Band	(MHz)	Freq	Channel		Band	(MHz)	Freq	Channel		Tx. Power	Tx. Power
				(MHz)	(MHz)	Offset				(MHz)	(MHz)	(MHz)		(MHz)	(MHz)	(dBm)	(dBm)				
CA_2A-7C	Band 2	Ant 1	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.51	22.56
	Band 2	Ant 7	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	20.50	20.55
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900		22.78	22.99
CA_2A-7A-7A	Band 2	Ant 1	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.46	22.56
	Band 2	Ant 7	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	20.46	20.55
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		22.92	22.98
CA_5A-7C	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.84	22.88
	Band 5	Ant 7	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	21.92	21.48
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		22.75	22.99
CA_41D	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2672.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	22.86	22.89
CA_41A-41C	Band 41	Ant 2	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	22.73	22.89



Default Power for 5G NR DFT-30 for Main PA

n2 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 372000	Middle Ch. / Freq. 376000	High Ch. / Freq. 380000			
Channel				1950	1950	1950			
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.78	22.82	22.70	24.0	0.0	
20	PI/2 BPSK	1	26	22.59	22.73	22.65			
20	PI/2 BPSK	1	49	22.63	22.68	22.56			
20	PI/2 BPSK	25	0	22.16	22.31	22.20	23.5	0.5	
20	PI/2 BPSK	25	13	22.77	22.81	22.73	24.0	0.0	
20	PI/2 BPSK	25	26	22.11	22.23	22.15	23.5	0.5	
20	PI/2 BPSK	50	0	22.20	22.29	22.24			
20	QPSK	1	1	22.83	22.88	22.76	24.0	0.0	
20	QPSK	1	26	22.73	22.76	22.64			
20	QPSK	1	49	22.63	22.71	22.58			
20	QPSK	25	0	21.68	21.78	21.71	23.0	1.0	
20	QPSK	25	13	22.74	22.85	22.78	24.0	0.0	
20	QPSK	25	26	21.89	21.74	21.62	23.0	1.0	
20	QPSK	50	0	21.74	21.51	21.75			
20	16QAM	1	1	21.43	21.51	21.44	23.0	1.0	
20	64QAM	1	1	20.12	20.16	20.08	21.5	2.5	
20	256QAM	1	1	18.63	18.70	18.57	19.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1850	1820.5			
15	QPSK	1	1	22.76	22.85	22.70	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	22.79	22.81	22.64	24.0	0.0	

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 166800	Middle Ch. / Freq. 167300	High Ch. / Freq. 167800			
Channel				831	836.5	839			
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.00	23.05	22.84	24.0	0.0	
20	PI/2 BPSK	1	26	22.90	23.00	22.88			
20	PI/2 BPSK	1	49	22.84	22.96	22.84			
20	PI/2 BPSK	25	0	22.57	22.62	22.55	23.5	0.5	
20	PI/2 BPSK	25	13	22.91	23.06	23.02	24.0	0.0	
20	PI/2 BPSK	25	26	22.43	22.54	22.46	23.5	0.5	
20	PI/2 BPSK	50	0	22.54	22.63	22.54			
20	QPSK	1	1	23.04	23.14	23.10	24.0	0.0	
20	QPSK	1	26	22.93	23.04	22.99			
20	QPSK	1	49	22.79	22.90	22.84			
20	QPSK	25	0	22.10	22.16	22.13	23.0	1.0	
20	QPSK	25	13	22.95	23.06	22.95	24.0	0.0	
20	QPSK	25	26	22.00	22.03	22.00	23.0	1.0	
20	QPSK	50	0	22.06	22.11	21.97			
20	16QAM	1	1	21.69	21.76	21.70	23.0	1.0	
20	64QAM	1	1	20.14	20.19	20.15	21.5	2.5	
20	256QAM	1	1	18.63	18.75	18.69	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.93	23.08	23.03	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.90	23.01	22.96	24.0	0.0	





n38 Ant2 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				51800.2	51800	51896	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI2 BPSK	1	1	22.29	22.39	22.30	
40	PI2 BPSK	1	53	22.97	23.07	22.92	0.0
40	PI2 BPSK	1	104	22.49	22.59	22.52	
40	PI2 BPSK	50	0	22.34	22.48	22.45	23.5 0.5
40	PI2 BPSK	50	28	22.95	23.07	22.93	24.0 0.0
40	PI2 BPSK	50	56	22.33	22.36	22.24	23.5 0.5
40	PI2 BPSK	100	0	22.37	22.49	22.37	
40	QPSK	1	1	22.33	22.44	22.41	
40	QPSK	1	53	23.07	23.11	23.02	24.0 0.0
40	QPSK	1	104	22.49	22.53	22.44	
40	QPSK	50	0	21.75	21.90	21.82	23.0 1.0
40	QPSK	50	28	22.92	23.03	22.96	24.0 0.0
40	QPSK	50	56	21.78	21.87	21.77	23.0 1.0
40	QPSK	100	0	21.83	21.95	21.88	
40	16QAM	1	1	21.08	21.16	21.05	23.0 1.0
40	64QAM	1	1	19.73	19.83	19.75	21.5 2.5
40	256QAM	1	1	18.34	18.42	18.32	19.5 4.5
Channel				51700.2	51800	52098	
Frequency (MHz)				2580.01	2585	2589.99	
30	QPSK	1	1	23.01	22.98	22.97	24.0 0.0
Channel				51600.4	51800	52146	
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	22.97	22.97	22.86	24.0 0.0
Channel				51600	51800	52200	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	23.02	23.00	22.93	19.0 2.5
Channel				51800.2	51800	52248	
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	23.03	23.04	22.95	19.0 2.5
Channel				51500.4	51800	52256	
Frequency (MHz)				2578.02	2595	2614.98	
10	QPSK	1	1	22.99	23.08	22.90	15.0 4.5

n41 Ant2 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				50900.2	51858	52800	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	22.02	22.06	22.03	
100	PI2 BPSK	1	137	23.06	23.09	22.99	24.0 0.0
100	PI2 BPSK	1	271	22.01	22.10	22.04	
100	PI2 BPSK	135	0	22.35	22.38	22.27	23.5 0.5
100	PI2 BPSK	135	69	23.07	23.16	23.13	24.0 0.0
100	PI2 BPSK	135	138	22.26	22.37	22.24	23.5 0.5
100	PI2 BPSK	270	0	22.32	22.44	22.35	
100	QPSK	1	1	22.03	22.11	22.07	
100	QPSK	1	137	23.16	23.21	22.98	24.0 0.0
100	QPSK	1	271	22.10	22.14	22.11	
100	QPSK	135	0	21.83	21.90	21.85	23.0 1.0
100	QPSK	135	69	23.01	23.12	23.09	24.0 0.0
100	QPSK	135	138	21.74	21.87	21.74	23.0 1.0
100	QPSK	270	0	21.81	21.99	21.84	
100	16QAM	1	1	21.18	21.23	21.13	23.0 1.0
100	64QAM	1	1	19.68	19.74	19.66	21.5 2.5
100	256QAM	1	1	18.23	18.31	18.28	19.5 4.5
Channel				50800	51858	52898	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	23.05	23.08	22.93	24.0 0.0
Channel				50700.4	51858	52998	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	23.08	23.17	22.89	24.0 0.0
Channel				50600	51858	53196	
Frequency (MHz)				2530	2592.99	2659.99	
60	QPSK	1	1	23.05	23.10	22.93	24.0 0.0
Channel				50500.4	51858	53298	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	23.11	23.13	22.94	24.0 0.0
Channel				50400	51858	53400	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	23.01	23.08	22.86	24.0 0.0
Channel				50200	51858	53496	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	23.04	23.06	22.85	24.0 0.0
Channel				50100	51858	53598	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	23.12	23.09	22.84	24.0 0.0
Channel				50000	51858	53696	
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	23.09	23.18	22.84	24.0 0.0
Channel				50000.2	51858	53700	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	23.12	23.15	22.86	24.0 0.0

Part270 n77 Ant2 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				65600.2	65600	66200	
Frequency (MHz)				3760	3840	3920	
100	PI2 BPSK	1	1	23.14	23.55	24.02	
100	PI2 BPSK	1	137	24.26	24.76	24.70	24.0 0.0
100	PI2 BPSK	1	271	23.16	23.60	23.78	
100	PI2 BPSK	135	0	23.65	24.03	23.95	24.5 0.5
100	PI2 BPSK	135	69	24.23	24.63	24.59	25.0 0.0
100	PI2 BPSK	135	138	23.87	24.30	24.24	24.5 0.5
100	PI2 BPSK	270	0	23.79	24.30	24.23	
100	QPSK	1	1	23.20	23.55	24.08	
100	QPSK	1	137	24.31	24.75	24.72	25.0 0.0
100	QPSK	1	271	23.13	23.58	23.81	
100	QPSK	135	0	23.14	23.62	23.58	24.0 1.0
100	QPSK	135	69	24.30	24.64	24.61	25.0 0.0
100	QPSK	135	138	23.26	23.69	23.58	24.0 1.0
100	QPSK	270	0	23.28	23.78	23.73	
100	16QAM	1	1	22.54	22.85	22.84	24.0 1.0
100	64QAM	1	1	21.09	21.59	21.51	22.5 2.5
100	256QAM	1	1	19.58	19.98	19.87	20.5 4.5
Channel				64968	65000	66234	
Frequency (MHz)				3745.02	3840	3933.01	
90	QPSK	1	1	24.21	24.75	24.59	25.0 0.0
Channel				64834	65000	66268	
Frequency (MHz)				3740.01	3840	3940.02	
80	QPSK	1	1	24.25	24.67	24.67	25.0 0.0
Channel				64668	65000	66334	
Frequency (MHz)				3735.02	3840	3950.01	
60	QPSK	1	1	24.28	24.64	24.65	25.0 0.0
Channel				64834	65000	66368	
Frequency (MHz)				3725.01	3840	3955.02	
50	QPSK	1	1	24.21	24.69	24.59	25.0 0.0
Channel				64600	65000	66400	
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	24.21	24.74	24.58	25.0 0.0
Channel				64734	65000	66468	
Frequency (MHz)				3710.01	3840	3970.02	
20	QPSK	1	1	24.23	24.71	24.67	25.0 0.0
Channel				64500	65000	66500	
Frequency (MHz)				3707.52	3840	3972.51	
15	QPSK	1	1	24.22	24.68	24.68	25.0 0.0
Channel				64700	65000	66500	
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	24.18	24.69	24.60	25.0 0.0





### Part27Q n77 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	3500.01				
100	PI/2 BPSK	1	137	23.29			25.0	0.0
100	PI/2 BPSK	1	271	24.44				
100	PI/2 BPSK	135	0	23.29			25.0	0.0
100	PI/2 BPSK	135	69	23.98				
100	PI/2 BPSK	135	138	24.02			25.0	0.0
100	PI/2 BPSK	270	0	23.98				
100	QPSK	1	1	23.23				
100	QPSK	1	137	24.50			25.0	0.0
100	QPSK	1	271	23.22				
100	QPSK	135	0	23.37			25.0	0.0
100	QPSK	135	69	24.40				
100	QPSK	135	138	23.44			25.0	0.0
100	QPSK	270	0	23.48				
100	16QAM	1	1	22.86			24.0	1.0
100	16QAM	1	1	21.69			23.5	1.5
100	256QAM	1	1	19.84			21.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3485	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3465	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)

### PC3 Part27O n78 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	3750				
100	PI/2 BPSK	1	137	23.10			25.0	0.0
100	PI/2 BPSK	1	271	23.78				
100	PI/2 BPSK	135	0	23.10			25.0	0.0
100	PI/2 BPSK	135	69	23.81				
100	PI/2 BPSK	135	138	23.73			25.0	0.0
100	PI/2 BPSK	270	0	23.79				
100	QPSK	1	1	23.10				
100	QPSK	1	137	23.85			25.0	0.0
100	QPSK	1	271	23.10				
100	QPSK	135	0	23.33			25.0	0.0
100	QPSK	135	69	23.89				
100	QPSK	135	138	23.57			25.0	0.0
100	QPSK	270	0	23.64				
100	16QAM	1	1	22.41			24.0	1.0
100	16QAM	1	1	21.95			23.5	1.5
100	256QAM	1	1	20.37			21.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	646668	650000	653334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	646000	650000	654000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	645334	650000	654668	Tune-up limit (dBm)	MPR (dB)

### PC2 Part27O n78 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	3750				
100	PI/2 BPSK	1	137	25.18			27.0	0.0
100	PI/2 BPSK	1	271	25.31				
100	PI/2 BPSK	135	0	25.35			27.0	0.0
100	PI/2 BPSK	135	69	25.95				
100	PI/2 BPSK	135	138	25.33			27.0	0.0
100	PI/2 BPSK	270	0	25.47				
100	QPSK	1	1	25.22				
100	QPSK	1	137	25.87			27.0	0.0
100	QPSK	1	271	25.33				
100	QPSK	135	0	25.35			27.0	0.0
100	QPSK	135	69	25.93				
100	QPSK	135	138	25.55			27.0	0.0
100	QPSK	270	0	25.55				
100	16QAM	1	1	24.32			26.0	1.0
100	16QAM	1	1	22.86			24.5	2.5
100	256QAM	1	1	20.52			22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	646668	650000	653334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	646000	650000	654000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	645334	650000	654668	Tune-up limit (dBm)	MPR (dB)



PC3 Part27Q n78 Ant2 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1	23.10	23.10		
100	PI2 BPSK	1	137	23.80	23.80	25.0	0.0
100	PI2 BPSK	1	271	23.10	23.10	25.0	0.0
100	PI2 BPSK	135	0	23.28	23.28	25.0	0.0
100	PI2 BPSK	135	69	23.89	23.89	25.0	0.0
100	PI2 BPSK	135	138	23.24	23.24	25.0	0.0
100	PI2 BPSK	270	0	23.28	23.28	25.0	0.0
100	QPSK	1	1	23.10	23.10	25.0	0.0
100	QPSK	1	137	23.80	23.80	25.0	0.0
100	QPSK	1	271	23.10	23.10	25.0	0.0
100	QPSK	135	0	23.10	23.10	25.0	0.0
100	QPSK	135	69	23.79	23.79	25.0	0.0
100	QPSK	135	138	23.88	23.88	25.0	0.0
100	QPSK	270	0	23.71	23.71	25.0	0.0
100	16QAM	1	1	22.83	22.83	24.0	1.0
100	64QAM	1	1	21.84	21.84	23.5	1.5
100	256QAM	1	1	20.19	20.19	21.5	3.5
Channel				633000	633334	633668	
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	1	23.70	23.74	23.76	25.0
Channel				632868	633334	634000	
Frequency (MHz)				3490.02	3500.01	3510	
80	QPSK	1	1	23.71	23.77	23.80	25.0
Channel				632000	633334	634668	
Frequency (MHz)				3480	3500.01	3520.02	
60	QPSK	1	1	23.78	23.78	23.70	25.0
Channel				631668	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1	23.70	23.78	23.79	25.0
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	1	23.81	23.73	23.78	25.0
Channel				630668	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1	23.80	23.79	23.80	25.0
Channel				630334	633334	636334	
Frequency (MHz)				3457.5	3500.01	3542.52	
15	QPSK	1	1	23.75	23.76	23.74	25.0
Channel				630334	633334	636334	
Frequency (MHz)				3455.01	3500.01	3545.01	
10	QPSK	1	1	23.70	23.74	23.70	25.0

PC2 Part27Q n78 Ant2 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1	25.12	25.12		
100	PI2 BPSK	1	137	25.72	25.72	27.0	0.0
100	PI2 BPSK	1	271	25.20	25.20	27.0	0.0
100	PI2 BPSK	135	0	25.33	25.33	27.0	0.0
100	PI2 BPSK	135	69	25.70	25.70	27.0	0.0
100	PI2 BPSK	135	138	25.10	25.10	27.0	0.0
100	PI2 BPSK	270	0	25.10	25.10	27.0	0.0
100	QPSK	1	1	25.01	25.01	27.0	0.0
100	QPSK	1	137	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.27	25.27	27.0	0.0
100	QPSK	135	0	25.36	25.36	27.0	0.0
100	QPSK	135	69	25.71	25.71	27.0	0.0
100	QPSK	135	138	25.26	25.26	27.0	0.0
100	QPSK	270	0	25.31	25.31	27.0	0.0
100	16QAM	1	1	24.93	24.93	26.0	1.0
100	64QAM	1	1	22.58	22.58	24.5	2.5
100	256QAM	1	1	21.03	21.03	22.5	4.5
Channel				633000	633334	633668	
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	1	25.08	25.03	25.09	27.0
Channel				632868	633334	634000	
Frequency (MHz)				3490.02	3500.01	3510	
80	QPSK	1	1	25.14	25.10	25.15	27.0
Channel				632000	633334	634668	
Frequency (MHz)				3480	3500.01	3520.02	
60	QPSK	1	1	25.08	25.14	25.05	27.0
Channel				631668	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1	25.07	25.07	25.07	27.0
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	1	25.09	25.03	25.12	27.0
Channel				630668	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1	25.11	25.05	25.08	27.0
Channel				630334	633334	636334	
Frequency (MHz)				3457.5	3500.01	3542.52	
15	QPSK	1	1	25.10	25.14	25.09	27.0
Channel				630334	633334	636334	
Frequency (MHz)				3455.01	3500.01	3545.01	
10	QPSK	1	1	25.07	25.08	25.08	27.0



### Part270 n77 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	65000		
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	23.36	23.22	23.29		
100	Pi/2 BPSK	1	137	24.13	24.09	24.04	24.5	0.0
100	Pi/2 BPSK	1	271	23.01	23.07	23.03		
100	Pi/2 BPSK	135	0	23.40	23.58	23.45	24.0	0.5
100	Pi/2 BPSK	135	69	23.91	24.02	23.98	24.5	0.0
100	Pi/2 BPSK	135	138	23.34	23.44	23.28		
100	Pi/2 BPSK	270	0	23.42	23.41	23.37	24.0	0.5
100	QPSK	1	1	23.35	23.37	23.20		
100	QPSK	1	137	24.21	24.28	24.20	24.5	0.0
100	QPSK	1	271	23.02	23.10	23.14		
100	QPSK	135	0	23.11	22.89	22.97	23.5	1.0
100	QPSK	135	69	23.94	24.26	24.10	24.5	0.0
100	QPSK	135	138	22.77	22.81	22.81		
100	QPSK	270	0	22.81	22.95	22.80	23.5	1.0
100	16QAM	1	1	22.14	22.06	22.01	23.5	1.0
100	64QAM	1	1	20.51	20.55	20.51	22.0	2.5
100	256QAM	1	1	19.21	19.29	19.16	20.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	(dB)	(dB)
90	QPSK	1	1	24.17	24.14	24.16	24.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	(dB)	(dB)
80	QPSK	1	1	24.11	24.13	24.13	24.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	(dB)	(dB)
60	QPSK	1	1	24.17	24.17	24.15	24.5	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	(dB)	(dB)
50	QPSK	1	1	24.09	24.22	24.16	24.5	0.0
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dB)	(dB)
40	QPSK	1	1	24.10	24.20	24.13	24.5	0.0
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	(dB)	(dB)
20	QPSK	1	1	24.17	24.15	24.16	24.5	0.0
Channel				647168	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	(dB)	(dB)
15	QPSK	1	1	24.17	24.13	24.12	24.5	0.0
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dB)	(dB)
10	QPSK	1	1	24.15	24.24	24.06	24.5	0.0

### Part27Q n77 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668		
Frequency (MHz)				3900.01	3900.01	3900.01		
100	Pi/2 BPSK	1	1	23.10	23.10	23.10		
100	Pi/2 BPSK	1	137	23.70	23.70	23.70	24.5	0.0
100	Pi/2 BPSK	1	271	23.03	23.03	23.03		
100	Pi/2 BPSK	135	0	23.26	23.26	23.26	24.0	0.5
100	Pi/2 BPSK	135	69	23.70	23.70	23.70	24.5	0.0
100	Pi/2 BPSK	135	138	23.31	23.31	23.31		
100	Pi/2 BPSK	270	0	23.39	23.39	23.39	24.0	0.5
100	QPSK	1	1	23.23	23.23	23.23		
100	QPSK	1	137	23.76	23.76	23.76	24.5	0.0
100	QPSK	1	271	23.19	23.19	23.19		
100	QPSK	135	0	22.43	22.43	22.43	23.5	1.0
100	QPSK	135	69	23.76	23.76	23.76	24.5	0.0
100	QPSK	135	138	22.61	22.61	22.61		
100	QPSK	270	0	22.69	22.69	22.69	23.5	1.0
100	16QAM	1	1	22.96	22.96	22.96	23.5	1.0
100	64QAM	1	1	21.48	21.48	21.48	22.0	2.5
100	256QAM	1	1	19.44	19.44	19.44	20.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.83	23.69	23.81	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.68	23.72	23.66	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.62	23.65	23.64	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.63	23.62	23.66	24.5	0.0
Channel				631000	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	23.69	23.66	23.70	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.62	23.69	23.69	24.5	0.0
Channel				630000	633334	636368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.52	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	23.69	23.65	23.65	24.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	23.61	23.63	23.68	24.5	0.0

### PC3 Part270 n78 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi/2 BPSK	1	1	23.12	23.12	23.12		
100	Pi/2 BPSK	1	137	23.89	23.89	23.89	24.5	0.0
100	Pi/2 BPSK	1	271	23.09	23.09	23.09		
100	Pi/2 BPSK	135	0	23.20	23.20	23.20	24.5	0.0
100	Pi/2 BPSK	135	69	23.83	23.83	23.83	24.5	0.0
100	Pi/2 BPSK	135	138	23.46	23.46	23.46		
100	Pi/2 BPSK	270	0	23.51	23.51	23.51	24.5	0.0
100	QPSK	1	1	23.10	23.10	23.10		
100	QPSK	1	137	23.92	23.92	23.92	24.5	0.0
100	QPSK	1	271	23.14	23.14	23.14		
100	QPSK	135	0	23.23	23.23	23.23	24.5	0.0
100	QPSK	135	69	23.96	23.96	23.96	24.5	0.0
100	QPSK	135	138	23.02	23.02	23.02		
100	QPSK	270	0	23.08	23.08	23.08	24.5	0.0
100	16QAM	1	1	23.13	23.13	23.13	24.5	0.0
100	64QAM	1	1	22.84	22.84	22.84	23.5	1.0
100	256QAM	1	1	21.77	21.77	21.77	23.0	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	23.83	23.88	23.78	24.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	23.63	23.79	23.77	24.5	0.0
Channel				649668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	23.81	23.83	23.83	24.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	23.66	23.68	23.80	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	23.80	23.87	23.78	24.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	23.67	23.84	23.84	24.5	0.0
Channel				647168	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	23.86	23.85	23.83	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	23.79	23.81	23.85	24.5	0.0



### PC2 Part270 n78 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	24.51				
100	PI/2 BPSK	1	137	25.21			26.5	0.0
100	PI/2 BPSK	1	271	24.64				
100	PI/2 BPSK	135	0	25.25			26.5	0.0
100	PI/2 BPSK	135	69	25.25			26.5	0.0
100	PI/2 BPSK	135	138	25.16			26.5	0.0
100	PI/2 BPSK	270	0	25.24				
100	QPSK	1	1	24.52				
100	QPSK	1	137	25.35			26.5	0.0
100	QPSK	1	271	24.74				
100	QPSK	135	0	25.21			26.5	0.0
100	QPSK	135	69	25.31			26.5	0.0
100	QPSK	135	138	25.12			26.5	0.0
100	QPSK	270	0	25.17				
100	16QAM	1	1	24.71			26.5	0.0
100	64QAM	1	1	23.54			25.0	1.5
100	256QAM	1	1	20.79			22.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.31	25.21	25.22	26.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.23	25.32	25.20	26.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.21	25.31	25.28	26.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.24	25.29	25.31	26.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.31	25.23	25.27	26.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.30	25.27	25.20	26.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.30	25.30	25.23	26.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.31	25.26	25.21	26.5	0.0

### PC3 Part27Q n78 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	23.08				
100	PI/2 BPSK	1	137	23.57			24.5	0.0
100	PI/2 BPSK	1	271	23.12				
100	PI/2 BPSK	135	0	23.52			24.5	0.0
100	PI/2 BPSK	135	69	23.60			24.5	0.0
100	PI/2 BPSK	135	138	23.45			24.5	0.0
100	PI/2 BPSK	270	0	23.53				
100	QPSK	1	1	23.14				
100	QPSK	1	137	23.68			24.5	0.0
100	QPSK	1	271	23.10				
100	QPSK	135	0	23.46			24.5	0.0
100	QPSK	135	69	23.55			24.5	0.0
100	QPSK	135	138	23.37			24.5	0.0
100	QPSK	270	0	23.34				
100	16QAM	1	1	23.10			24.5	0.0
100	64QAM	1	1	23.10			24.5	0.0
100	256QAM	1	1	22.34			23.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.60	23.64	23.61	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.62	23.63	23.54	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.61	23.54	23.59	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.57	23.61	23.57	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.61	23.57	23.57	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.55	23.55	23.50	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.61	23.64	23.62	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.61	23.54	23.59	24.5	0.0

### PC2 Part27Q n78 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	24.53				
100	PI/2 BPSK	1	137	25.29			26.5	0.0
100	PI/2 BPSK	1	271	24.79				
100	PI/2 BPSK	135	0	25.32			26.5	0.0
100	PI/2 BPSK	135	69	25.39			26.5	0.0
100	PI/2 BPSK	135	138	25.24			26.5	0.0
100	PI/2 BPSK	270	0	25.29				
100	QPSK	1	1	24.52				
100	QPSK	1	137	25.50			26.5	0.0
100	QPSK	1	271	24.90				
100	QPSK	135	0	25.36			26.5	0.0
100	QPSK	135	69	25.43			26.5	0.0
100	QPSK	135	138	25.21			26.5	0.0
100	QPSK	270	0	25.26				
100	16QAM	1	1	24.52			26.5	0.0
100	64QAM	1	1	23.97			25.0	1.5
100	256QAM	1	1	21.25			22.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.38	25.44	25.41	26.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.38	25.46	25.41	26.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.40	25.37	25.46	26.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.37	25.36	25.42	26.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.41	25.43	25.43	26.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.43	25.44	25.38	26.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.37	25.42	25.42	26.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.36	25.39	25.40	26.5	0.0



### Part270 n77 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	66000		
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	22.12	22.04	22.14		
100	PV2 BPSK	1	137	22.82	22.97	22.85	24.0	0.0
100	PV2 BPSK	1	271	22.12	22.18	22.08		
100	PV2 BPSK	135	0	22.29	22.43	22.30	23.5	0.5
100	PV2 BPSK	135	69	22.98	23.06	22.95	24.0	0.0
100	PV2 BPSK	135	138	22.28	22.41	22.35		
100	PV2 BPSK	270	0	22.36	22.47	22.40	23.5	0.5
100	QPSK	1	1	22.18	22.23	22.10		
100	QPSK	1	137	23.06	23.18	23.01	24.0	0.0
100	QPSK	1	271	22.05	22.16	22.02		
100	QPSK	135	0	21.75	21.89	21.78	23.0	1.0
100	QPSK	135	69	23.04	23.12	22.98	24.0	0.0
100	QPSK	135	138	21.84	21.92	21.82		
100	QPSK	270	0	21.85	21.98	21.88	23.0	1.0
100	16QAM	1	1	21.12	21.10	21.12	23.0	1.0
100	64QAM	1	1	19.54	19.52	19.53	21.5	2.5
100	256QAM	1	1	18.31	18.37	18.25	19.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3895.01	(dBm)	(dB)
90	QPSK	1	1	22.95	23.10	22.96	24.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3840.02	(dBm)	(dB)
80	QPSK	1	1	22.95	23.04	22.95	24.0	0.0
Channel				648668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3890.01	(dBm)	(dB)
60	QPSK	1	1	22.95	23.13	22.95	24.0	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3895.02	(dBm)	(dB)
50	QPSK	1	1	22.93	23.06	22.91	24.0	0.0
Channel				648000	650000	650000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.91	23.08	22.90	24.0	0.0
Channel				647334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3870.02	(dBm)	(dB)
20	QPSK	1	1	22.89	23.14	22.93	24.0	0.0
Channel				647168	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3872.51	(dBm)	(dB)
15	QPSK	1	1	23.00	23.13	22.87	24.0	0.0
Channel				647000	650000	650000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	23.00	23.05	22.88	24.0	0.0

### Part27Q n77 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63300	63334	63300		
Frequency (MHz)				3500.01				
100	PV2 BPSK	1	1	22.09				
100	PV2 BPSK	1	137	23.13			24.0	0.0
100	PV2 BPSK	1	271	22.24				
100	PV2 BPSK	135	0	22.44			23.5	0.5
100	PV2 BPSK	135	69	23.16			24.0	0.0
100	PV2 BPSK	135	138	22.41				
100	PV2 BPSK	270	0	22.54			23.5	0.5
100	QPSK	1	1	22.13				
100	QPSK	1	137	23.24			24.0	0.0
100	QPSK	1	271	22.20				
100	QPSK	135	0	21.91			23.0	1.0
100	QPSK	135	69	23.17			24.0	0.0
100	QPSK	135	138	21.89			23.0	1.0
100	QPSK	270	0	21.92			23.0	1.0
100	16QAM	1	1	21.12			23.0	1.0
100	64QAM	1	1	19.53			21.5	2.5
100	256QAM	1	1	18.32			19.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.14	23.16	23.12	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.16	23.13	23.16	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.18	23.10	23.17	24.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.17	23.16	23.20	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	23.15	23.12	23.18	24.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.19	23.18	23.17	24.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	23.21	23.20	23.16	24.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	23.17	23.14	23.20	24.0	0.0

### PC3 Part270 n78 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	66000		
Frequency (MHz)				3750				
100	PV2 BPSK	1	1	22.12				
100	PV2 BPSK	1	137	22.85			24.0	0.0
100	PV2 BPSK	1	271	22.15				
100	PV2 BPSK	135	0	22.54			24.0	0.0
100	PV2 BPSK	135	69	22.78			24.0	0.0
100	PV2 BPSK	135	138	22.40				
100	PV2 BPSK	270	0	22.43			24.0	0.0
100	QPSK	1	1	22.13				
100	QPSK	1	137	22.79			24.0	0.0
100	QPSK	1	271	22.14				
100	QPSK	135	0	22.46			24.0	0.0
100	QPSK	135	69	22.71			24.0	0.0
100	QPSK	135	138	22.46			24.0	0.0
100	QPSK	270	0	22.45			24.0	0.0
100	16QAM	1	1	22.10			24.0	0.0
100	64QAM	1	1	22.01			24.0	0.0
100	256QAM	1	1	20.50			22.5	1.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.72	22.72	22.69	24.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	22.70	22.75	22.75	24.0	0.0
Channel				648668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	22.67	22.73	22.75	24.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.74	22.71	22.72	24.0	0.0
Channel				648000	650000	650000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.74	22.65	22.69	24.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.65	22.74	22.68	24.0	0.0
Channel				647168	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	22.69	22.64	22.75	24.0	0.0
Channel				647000	650000	650000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	22.67	22.73	22.65	24.0	0.0



### PC2 Part270 n78 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	25.13				
100	PI/2 BPSK	1	137	25.50			27.0	0.0
100	PI/2 BPSK	1	271	25.10				
100	PI/2 BPSK	135	0	25.28			26.5	0.5
100	PI/2 BPSK	135	69	25.59			27.0	0.0
100	PI/2 BPSK	135	138	25.19				
100	PI/2 BPSK	270	0	25.13			26.5	0.5
100	QPSK	1	1	25.06				
100	QPSK	1	137	25.61			27.0	0.0
100	QPSK	1	271	25.12				
100	QPSK	135	0	24.72			26.0	1.0
100	QPSK	135	69	25.54			27.0	0.0
100	QPSK	135	138	24.65			26.0	1.0
100	QPSK	270	0	24.66				
100	16QAM	1	1	24.10			26.0	1.0
100	64QAM	1	1	22.54			24.5	2.5
100	256QAM	1	1	20.51			22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.51	25.57	25.55	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.54	25.56	25.51	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.53	25.51	25.51	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.51	25.56	25.52	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3780		
40	QPSK	1	1	25.54	25.53	25.53	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.51	25.51	25.48	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	25.49	25.49	25.50	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	25.55	25.48	25.51	27.0	0.0

### PC3 Part270 n78 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.12				
100	PI/2 BPSK	1	137	22.72			24.0	0.0
100	PI/2 BPSK	1	271	22.10				
100	PI/2 BPSK	135	0	22.53			24.0	0.0
100	PI/2 BPSK	135	69	22.78			24.0	0.0
100	PI/2 BPSK	135	138	22.59				
100	PI/2 BPSK	270	0	22.71			24.0	0.0
100	QPSK	1	1	22.10				
100	QPSK	1	137	22.82			24.0	0.0
100	QPSK	1	271	22.17				
100	QPSK	135	0	22.59			24.0	0.0
100	QPSK	135	69	22.78			24.0	0.0
100	QPSK	135	138	22.51			24.0	0.0
100	QPSK	270	0	22.67				
100	16QAM	1	1	22.10			24.0	0.0
100	64QAM	1	1	22.13			24.0	0.0
100	256QAM	1	1	20.61			22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.71	22.74	22.73	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.68	22.70	22.78	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.76	22.69	22.74	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.75	22.79	22.69	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.77	22.77	22.68	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.77	22.76	22.77	24.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.75	22.67	22.73	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.72	22.73	22.74	24.0	0.0

### PC2 Part270 n78 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	25.01				
100	PI/2 BPSK	1	137	25.42			27.0	0.0
100	PI/2 BPSK	1	271	25.26				
100	PI/2 BPSK	135	0	25.31			26.5	0.5
100	PI/2 BPSK	135	69	25.33			27.0	0.0
100	PI/2 BPSK	135	138	25.21				
100	PI/2 BPSK	270	0	25.33			26.5	0.5
100	QPSK	1	1	25.12				
100	QPSK	1	137	25.64			27.0	0.0
100	QPSK	1	271	25.35				
100	QPSK	135	0	25.01			26.0	1.0
100	QPSK	135	69	25.54			27.0	0.0
100	QPSK	135	138	25.23			26.0	1.0
100	QPSK	270	0	25.31				
100	16QAM	1	1	25.12			26.0	1.0
100	64QAM	1	1	22.52			24.5	2.5
100	256QAM	1	1	20.51			22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.39	25.40	25.33	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.33	25.31	25.35	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.34	25.38	25.30	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.31	25.35	25.34	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.37	25.39	25.41	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.35	25.34	25.35	27.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.29	25.38	25.36	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.33	25.30	25.31	27.0	0.0



n2 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	20.72	20.75	20.62			
20	PI/2 BPSK	1	26	20.63	20.71	20.64	22.0	0.0	
20	PI/2 BPSK	1	49	20.55	20.68	20.58			
20	PI/2 BPSK	25	0	20.03	20.18	20.07	21.5	0.5	
20	PI/2 BPSK	25	13	20.70	20.73	20.63	22.0	0.0	
20	PI/2 BPSK	25	26	20.08	20.20	20.08			
20	PI/2 BPSK	50	0	20.20	20.27	20.15	21.5	0.5	
20	QPSK	1	1	20.76	20.83	20.71			
20	QPSK	1	26	20.69	20.79	20.73	22.0	0.0	
20	QPSK	1	49	20.52	20.58	20.55			
20	QPSK	25	0	19.88	19.71	19.87	21.0	1.0	
20	QPSK	25	13	20.88	20.76	20.73	22.0	0.0	
20	QPSK	25	26	19.68	19.68	19.57			
20	QPSK	50	0	19.61	19.72	19.59	21.0	1.0	
20	16QAM	1	1	19.41	19.48	19.41	21.0	1.0	
20	64QAM	1	1	18.08	18.14	18.03	19.5	2.5	
20	256QAM	1	1	16.61	16.68	16.54	17.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	20.65	20.80	20.57	22.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	20.68	20.71	20.63	22.0	0.0	

n5 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	21.68	21.73	21.70			
20	PI/2 BPSK	1	26	21.52	21.57	21.45	23.0	0.0	
20	PI/2 BPSK	1	49	21.46	21.54	21.48			
20	PI/2 BPSK	25	0	21.14	21.23	21.19	22.5	0.5	
20	PI/2 BPSK	25	13	21.86	21.69	21.64	23.0	0.0	
20	PI/2 BPSK	25	26	21.09	21.24	21.15			
20	PI/2 BPSK	50	0	21.15	21.29	21.15	22.5	0.5	
20	QPSK	1	1	21.71	21.76	21.63			
20	QPSK	1	26	21.60	21.65	21.57	23.0	0.0	
20	QPSK	1	49	21.44	21.50	21.43			
20	QPSK	25	0	20.60	20.75	20.65	22.0	1.0	
20	QPSK	25	13	21.60	21.70	21.62	23.0	0.0	
20	QPSK	25	26	20.54	20.66	20.58			
20	QPSK	50	0	20.69	20.73	20.62	22.0	1.0	
20	16QAM	1	1	20.29	20.41	20.38	22.0	1.0	
20	64QAM	1	1	18.78	18.82	18.89	20.5	2.5	
20	256QAM	1	1	17.40	17.52	17.46	18.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	21.62	21.71	21.53	23.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.66	21.69	21.49	23.0	0.0	



### Part270 n77 Ant11 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				65000	65000	66000		
100	Pi/2 BPSK	1	1	23.21	23.28	23.08		
100	Pi/2 BPSK	1	137	24.31	24.42	24.38	25.0	0.0
100	Pi/2 BPSK	1	271	23.67	23.79	23.72		
100	Pi/2 BPSK	135	0	23.39	23.47	23.48	24.5	0.5
100	Pi/2 BPSK	135	69	24.37	24.41	24.28	25.0	0.0
100	Pi/2 BPSK	135	138	23.87	23.97	23.84	24.5	0.5
100	Pi/2 BPSK	270	0	23.62	23.69	23.63		
100	QPSK	1	1	23.28	23.33	23.13		
100	QPSK	1	137	24.41	24.45	24.36	25.0	0.0
100	QPSK	1	271	23.68	23.75	23.76		
100	QPSK	135	0	22.95	23.05	22.91	24.0	1.0
100	QPSK	135	69	24.38	24.42	24.25	25.0	0.0
100	QPSK	135	138	23.36	23.38	23.27	24.0	1.0
100	QPSK	270	0	23.08	23.16	23.03		
100	16QAM	1	1	22.07	22.13	22.0	24.0	1.0
100	64QAM	1	1	20.62	20.70	20.61	22.5	2.5
100	256QAM	1	1	19.01	19.03	18.97	20.5	4.5
Channel								
Frequency (MHz)				649668	650000	660334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	24.29	24.41	24.27	25.0	0.0
Frequency (MHz)				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	24.37	24.40	24.23	25.0	0.0
Channel								
Frequency (MHz)				649668	650000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	24.31	24.39	24.30	25.0	0.0
Channel								
Frequency (MHz)				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	24.30	24.40	24.27	25.0	0.0
Channel								
Frequency (MHz)				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	24.38	24.37	24.24	25.0	0.0
Channel								
Frequency (MHz)				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	24.26	24.30	24.24	25.0	0.0
Channel								
Frequency (MHz)				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	24.28	24.34	24.29	25.0	0.0
Channel								
Frequency (MHz)				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	24.28	24.31	24.22	25.0	0.0
Channel								
Frequency (MHz)				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	24.31	24.42	24.28	25.0	0.0
Channel								
Frequency (MHz)				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	24.36	24.34	24.28	25.0	0.0

### Part27Q n77 Ant11 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				633334				
100	Pi/2 BPSK	1	1		23.74			
100	Pi/2 BPSK	1	137		24.71		25.0	0.0
100	Pi/2 BPSK	1	271		24.29			
100	Pi/2 BPSK	135	0		24.02		24.5	0.5
100	Pi/2 BPSK	135	69		24.73		25.0	0.0
100	Pi/2 BPSK	135	138		24.42		24.5	0.5
100	Pi/2 BPSK	270	0		24.17			
100	QPSK	1	1		23.85			
100	QPSK	1	137		24.77		25.0	0.0
100	QPSK	1	271		24.30			
100	QPSK	135	0		23.83		24.0	1.0
100	QPSK	135	69		24.69		25.0	0.0
100	QPSK	135	138		23.59		24.0	1.0
100	QPSK	270	0		23.64			
100	16QAM	1	1		22.73		24.0	1.0
100	64QAM	1	1		21.17		22.5	2.5
100	256QAM	1	1		19.52		20.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	24.66	24.65	24.72	25.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	24.88	24.71	24.72	25.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	24.66	24.72	24.62	25.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	24.83	24.73	24.72	25.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	24.73	24.67	24.62	25.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	24.69	24.69	24.73	25.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	24.63	24.66	24.64	25.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	24.65	24.62	24.62	25.0	0.0

### PC3 Part270 n78 Ant11 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				650000				
100	Pi/2 BPSK	1	1		22.46			
100	Pi/2 BPSK	1	137		23.71		24.0	0.0
100	Pi/2 BPSK	1	271		22.35			
100	Pi/2 BPSK	135	0		22.94		24.0	0.0
100	Pi/2 BPSK	135	69		23.24		24.0	0.0
100	Pi/2 BPSK	135	138		22.24		24.0	0.0
100	Pi/2 BPSK	270	0		23.08			
100	QPSK	1	1		22.53			
100	QPSK	1	137		23.35		24.0	0.0
100	QPSK	1	271		22.72			
100	QPSK	135	0		22.88		24.0	0.0
100	QPSK	135	69		23.30		24.0	0.0
100	QPSK	135	138		23.24		24.0	0.0
100	QPSK	270	0		23.11			
100	16QAM	1	1		22.12		24.0	0.0
100	64QAM	1	1		22.13		24.0	0.0
100	256QAM	1	1		20.83		22.5	1.5
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.23	23.26	23.30	24.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.32	23.30	23.32	24.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.25	23.28	23.22	24.0	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.31	23.35	23.34	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.24	23.23	23.22	24.0	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.32	23.31	23.31	24.0	0.0
Channel								
Frequency (MHz)				647168	650000	653334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.25	23.23	23.26	24.0	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.32	23.28	23.28	24.0	0.0





PC2 Part270 n78 Ant11 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1	25.12					
100	Pi/2 BPSK	1	137	26.09			27.0	0.0	
100	Pi/2 BPSK	1	271	25.58					
100	Pi/2 BPSK	135	0	25.48			26.5	0.5	
100	Pi/2 BPSK	135	69	26.12			27.0	0.0	
100	Pi/2 BPSK	135	138	25.76					
100	Pi/2 BPSK	270	0	25.59			26.5	0.5	
100	QPSK	1	1	25.10					
100	QPSK	1	137	26.16			27.0	0.0	
100	QPSK	1	271	25.63					
100	QPSK	135	0	24.86			26.0	1.0	
100	QPSK	135	69	26.09			27.0	0.0	
100	QPSK	135	138	25.21			26.0	1.0	
100	QPSK	270	0	25.09			26.0	1.0	
100	16QAM	1	1	24.13			26.0	1.0	
100	64QAM	1	1	22.51			24.5	2.5	
100	256QAM	1	1	20.52			22.5	4.5	
Channel				64968	65000	65034	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	26.09	26.12	26.06	27.0	0.0	
Channel				64934	65000	65068	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	26.08	26.09	26.03	27.0	0.0	
Channel				64968	65000	65134	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	26.11	26.08	26.04	27.0	0.0	
Channel				64834	65000	65168	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	26.11	26.10	26.13	27.0	0.0	
Channel				64900	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	26.11	26.03	26.08	27.0	0.0	
Channel				64734	65000	65268	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	26.08	26.09	26.11	27.0	0.0	
Channel				64768	65000	65284	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	26.05	26.03	26.06	27.0	0.0	
Channel				64700	65000	65300	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	26.09	26.05	26.10	27.0	0.0	

PC3 Part27Q n78 Ant11 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1	22.33					
100	Pi/2 BPSK	1	137	22.38			24.0	0.0	
100	Pi/2 BPSK	1	271	22.33					
100	Pi/2 BPSK	135	0	22.53			24.0	0.0	
100	Pi/2 BPSK	135	69	22.51			24.0	0.0	
100	Pi/2 BPSK	135	138	22.33					
100	Pi/2 BPSK	270	0	22.35			24.0	0.0	
100	QPSK	1	1	22.33					
100	QPSK	1	137	22.54			24.0	0.0	
100	QPSK	1	271	22.33					
100	QPSK	135	0	22.38			24.0	0.0	
100	QPSK	135	69	22.52			24.0	0.0	
100	QPSK	135	138	22.35					
100	QPSK	270	0	22.33			24.0	0.0	
100	16QAM	1	1	22.35			24.0	0.0	
100	64QAM	1	1	22.35			24.0	0.0	
100	256QAM	1	1	21.08			22.5	1.5	
Channel				633000	63334	63368	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	22.07	22.13	22.08	24.0	0.0	
Channel				63268	63334	63400	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	22.18	22.16	22.17	24.0	0.0	
Channel				63200	63334	63468	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	22.15	22.08	22.12	24.0	0.0	
Channel				63168	63334	63500	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	22.15	22.09	22.14	24.0	0.0	
Channel				63134	63334	63534	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	22.15	22.15	22.18	24.0	0.0	
Channel				63068	63334	63600	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	22.18	22.18	22.11	24.0	0.0	
Channel				63000	63334	63668	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	22.15	22.10	22.15	24.0	0.0	
Channel				63034	63334	63634	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	22.14	22.11	22.07	24.0	0.0	

PC2 Part27Q n78 Ant11 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1	25.01					
100	Pi/2 BPSK	1	137	25.15			27.0	0.0	
100	Pi/2 BPSK	1	271	25.01					
100	Pi/2 BPSK	135	0	24.81			26.5	0.5	
100	Pi/2 BPSK	135	69	25.27			27.0	0.0	
100	Pi/2 BPSK	135	138	24.54					
100	Pi/2 BPSK	270	0	24.56			26.5	0.5	
100	QPSK	1	1	25.01					
100	QPSK	1	137	25.28			27.0	0.0	
100	QPSK	1	271	25.02					
100	QPSK	135	0	24.30			26.0	1.0	
100	QPSK	135	69	25.22			27.0	0.0	
100	QPSK	135	138	24.01			26.0	1.0	
100	QPSK	270	0	24.12			26.0	1.0	
100	16QAM	1	1	24.02			26.0	1.0	
100	64QAM	1	1	22.51			24.5	2.5	
100	256QAM	1	1	20.52			22.5	4.5	
Channel				633000	63334	63368	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	25.16	25.23	25.19	27.0	0.0	
Channel				63268	63334	63400	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	25.18	25.13	25.21	27.0	0.0	
Channel				63200	63334	63468	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	25.15	25.14	25.14	27.0	0.0	
Channel				63168	63334	63500	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	25.20	25.17	25.24	27.0	0.0	
Channel				63134	63334	63534	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	25.15	25.25	25.18	27.0	0.0	
Channel				63068	63334	63600	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	25.15	25.22	25.24	27.0	0.0	
Channel				63000	63334	63668	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	25.15	25.20	25.24	27.0	0.0	
Channel				63034	63334	63634	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	25.16	25.18	25.22	27.0	0.0	



Reduced Power for DSI 2 for 5G NR DFT-30 for Main PA

n2 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1600	1600	1900			
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.78	22.82	22.70			
20	PI/2 BPSK	1	26	22.59	22.73	22.65	24.0	0.0	
20	PI/2 BPSK	1	49	22.63	22.68	22.56			
20	PI/2 BPSK	25	0	22.16	22.31	22.20	23.5	0.5	
20	PI/2 BPSK	25	13	22.77	22.81	22.73	24.0	0.0	
20	PI/2 BPSK	25	26	22.11	22.23	22.15			
20	PI/2 BPSK	50	0	22.20	22.29	22.24	23.5	0.5	
20	QPSK	1	1	22.83	22.88	22.78			
20	QPSK	1	26	22.73	22.76	22.64	24.0	0.0	
20	QPSK	1	49	22.63	22.71	22.58			
20	QPSK	25	0	21.68	21.78	21.71	23.0	1.0	
20	QPSK	25	13	22.14	22.35	22.78	24.0	0.0	
20	QPSK	25	26	21.69	21.74	21.62			
20	QPSK	50	0	21.74	21.81	21.75	23.0	1.0	
20	16QAM	1	1	21.43	21.51	21.44	23.0	1.0	
20	64QAM	1	1	20.12	20.16	20.08	21.5	2.5	
20	256QAM	1	1	18.63	18.70	18.57	19.5	4.5	
Channel				371000	376000	380500			
Frequency (MHz)									
15	QPSK	1	1	22.76	22.85	22.70	24.0	0.0	
Channel				371000	376000	381000			
Frequency (MHz)									
10	QPSK	1	1	22.79	22.81	22.64	24.0	0.0	

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.00	23.05	22.94			
20	PI/2 BPSK	1	26	22.90	23.00	22.89	24.0	0.0	
20	PI/2 BPSK	1	49	22.84	22.96	22.84			
20	PI/2 BPSK	25	0	22.57	22.62	22.55	23.5	0.5	
20	PI/2 BPSK	25	13	22.91	23.06	23.02	24.0	0.0	
20	PI/2 BPSK	25	26	22.43	22.54	22.46			
20	PI/2 BPSK	50	0	22.54	22.63	22.54	23.5	0.5	
20	QPSK	1	1	23.04	23.14	23.10			
20	QPSK	1	26	22.93	23.04	22.99	24.0	0.0	
20	QPSK	1	49	22.79	22.90	22.84			
20	QPSK	25	0	22.10	22.16	22.13	23.0	1.0	
20	QPSK	25	13	22.56	23.06	22.95	24.0	0.0	
20	QPSK	25	26	22.00	22.03	22.00			
20	QPSK	50	0	22.06	22.11	21.97	23.0	1.0	
20	16QAM	1	1	21.69	21.76	21.70	23.0	1.0	
20	64QAM	1	1	20.14	20.19	20.15	21.5	2.5	
20	256QAM	1	1	18.63	18.75	18.68	19.5	4.5	
Channel				168300	167300	168300			
Frequency (MHz)									
15	QPSK	1	1	22.98	23.08	23.03	24.0	0.0	
Channel				168800	167300	168800			
Frequency (MHz)									
10	QPSK	1	1	22.90	23.01	22.96	24.0	0.0	





### n38 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				519304	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.29	22.39	22.38	24.0	0.0
40	PI/2 BPSK	1	53	22.97	23.07	22.92		
40	PI/2 BPSK	1	104	22.49	22.56	22.50		
40	PI/2 BPSK	50	0	22.24	22.48	22.45	23.5	0.5
40	PI/2 BPSK	50	28	22.85	23.07	22.99	24.0	0.0
40	PI/2 BPSK	50	56	22.33	22.36	22.24		
40	PI/2 BPSK	100	0	22.37	22.49	22.37	23.5	0.5
40	QPSK	1	1	22.33	22.44	22.41		
40	QPSK	1	53	23.07	23.11	23.02	24.0	0.0
40	QPSK	1	104	22.49	22.53	22.44		
40	QPSK	50	0	21.75	21.90	21.82	23.0	1.0
40	QPSK	50	28	22.92	23.03	22.96	24.0	0.0
40	QPSK	50	56	21.78	21.87	21.77		
40	QPSK	100	0	21.83	21.95	21.88	23.0	1.0
40	16QAM	1	1	21.08	21.16	21.05	23.0	1.0
40	64QAM	1	1	19.73	19.83	19.75	21.5	2.5
40	256QAM	1	1	18.34	18.42	18.32	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.01	22.99	22.97	24.0	0.0
Channel				516904	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.87	22.97	22.88	24.0	0.0
Channel				516800	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.02	23.00	22.93	19.0	2.5
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.03	23.04	22.85	19.0	2.5
Channel				515204	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.99	23.08	22.90	15.0	4.5

### n41 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	520000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.02	22.06	22.03		
100	PI/2 BPSK	1	137	23.08	23.09	22.99	24.0	0.0
100	PI/2 BPSK	1	271	22.01	22.10	22.04		
100	PI/2 BPSK	135	0	22.35	22.38	22.27	23.5	0.5
100	PI/2 BPSK	135	69	23.07	23.16	23.13	24.0	0.0
100	PI/2 BPSK	135	138	22.26	22.37	22.24		
100	PI/2 BPSK	270	0	22.32	22.44	22.35	23.5	0.5
100	QPSK	1	1	22.03	22.11	22.07		
100	QPSK	1	137	23.16	23.21	22.98	24.0	0.0
100	QPSK	1	271	22.10	22.14	22.11		
100	QPSK	135	0	21.83	21.90	21.85	23.0	1.0
100	QPSK	135	69	23.01	23.12	23.09	24.0	0.0
100	QPSK	135	138	21.74	21.87	21.74		
100	QPSK	270	0	21.81	21.89	21.84	23.0	1.0
100	16QAM	1	1	21.18	21.23	21.13	23.0	1.0
100	64QAM	1	1	19.68	19.74	19.66	21.5	2.5
100	256QAM	1	1	18.23	18.31	18.26	19.5	4.5
Channel				508200	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.05	23.08	22.93	24.0	0.0
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.08	23.17	22.89	24.0	0.0
Channel				506200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.05	23.10	22.93	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.11	23.13	22.94	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.01	23.08	22.80	24.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.04	23.06	22.85	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.12	23.09	22.84	24.0	0.0
Channel				500700	518598	538496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.09	23.18	22.94	24.0	0.0

### Part270 n77 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	652000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.14	23.55	24.02		
100	PI/2 BPSK	1	137	24.26	24.76	24.70	25.0	0.0
100	PI/2 BPSK	1	271	23.16	23.60	23.78		
100	PI/2 BPSK	135	0	23.65	24.03	23.95	24.5	0.5
100	PI/2 BPSK	135	69	24.23	24.63	24.59	25.0	0.0
100	PI/2 BPSK	135	138	23.87	24.30	24.24		
100	PI/2 BPSK	270	0	23.79	24.30	24.23	24.5	0.5
100	QPSK	1	1	23.20	23.55	24.08		
100	QPSK	1	137	24.31	24.79	24.72	25.0	0.0
100	QPSK	1	271	23.13	23.56	23.81		
100	QPSK	135	0	23.14	23.62	23.58	24.0	1.0
100	QPSK	135	69	24.30	24.64	24.61	25.0	0.0
100	QPSK	135	138	23.26	23.69	23.56		
100	QPSK	270	0	23.28	23.76	23.73	24.0	1.0
100	16QAM	1	1	22.54	22.89	22.84	24.0	1.0
100	64QAM	1	1	21.09	21.59	21.51	22.5	2.5
100	256QAM	1	1	19.58	19.98	19.97	20.5	4.5
Channel				648968	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.21	24.75	24.59	25.0	0.0
Channel				647934	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.25	24.67	24.67	25.0	0.0
Channel				646868	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.28	24.64	24.65	25.0	0.0
Channel				645834	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.21	24.69	24.59	25.0	0.0
Channel				644800	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.21	24.74	24.58	25.0	0.0
Channel				643734	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.23	24.71	24.67	25.0	0.0
Channel				642768	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	24.22	24.66	24.68	25.0	0.0
Channel				641700	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.18	24.69	24.60	25.0	0.0



### Part27Q n77 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3500.01				
100	PV2 BPSK	1	1	23.29				
100	PV2 BPSK	1	137	24.44			25.0	0.0
100	PV2 BPSK	1	271	23.29				
100	PV2 BPSK	135	0	23.69			25.0	0.0
100	PV2 BPSK	135	69	24.34			25.0	0.0
100	PV2 BPSK	135	138	24.02			25.0	0.0
100	PV2 BPSK	270	0	23.98			25.0	0.0
100	QPSK	1	1	23.23				
100	QPSK	1	137	24.50			25.0	0.0
100	QPSK	1	271	23.22				
100	QPSK	135	0	23.37			25.0	0.0
100	QPSK	135	69	24.40			25.0	0.0
100	QPSK	135	138	23.44			25.0	0.0
100	QPSK	270	0	23.48			25.0	0.0
100	16QAM	1	1	22.86			24.0	1.0
100	64QAM	1	1	21.89			23.5	1.5
100	256QAM	1	1	19.64			21.5	3.5
Channel								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3495	3500.01	3505.02		
90	QPSK	1	1	24.46	24.46	24.37	25.0	0.0
Channel								
				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3490.02	3506.01	3510		
80	QPSK	1	1	24.30	24.44	24.40	25.0	0.0
Channel								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3490	3500.01	3520.02		
60	QPSK	1	1	24.37	24.36	24.45	25.0	0.0
Channel								
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3475.02	3506.01	3525		
50	QPSK	1	1	24.30	24.46	24.30	25.0	0.0
Channel								
				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.43	24.41	24.40	25.0	0.0
Channel								
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3460.02	3500.01	3540		
20	QPSK	1	1	24.47	24.39	24.42	25.0	0.0
Channel								
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3457.5	3500.01	3542.52		
15	QPSK	1	1	24.46	24.42	24.42	25.0	0.0
Channel								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3455.01	3500.01	3545.01		
10	QPSK	1	1	24.42	24.40	24.36	25.0	0.0

### PC3 Part27O n78 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3750				
100	PV2 BPSK	1	1	23.10				
100	PV2 BPSK	1	137	23.78			25.0	0.0
100	PV2 BPSK	1	271	23.10				
100	PV2 BPSK	135	0	23.65			25.0	0.0
100	PV2 BPSK	135	69	23.81			25.0	0.0
100	PV2 BPSK	135	138	23.73			25.0	0.0
100	PV2 BPSK	270	0	23.79			25.0	0.0
100	QPSK	1	1	23.10				
100	QPSK	1	137	23.93			25.0	0.0
100	QPSK	1	271	23.10				
100	QPSK	135	0	23.33			25.0	0.0
100	QPSK	135	69	23.88			25.0	0.0
100	QPSK	135	138	23.57			25.0	0.0
100	QPSK	270	0	23.64			25.0	0.0
100	16QAM	1	1	22.41			24.0	1.0
100	64QAM	1	1	21.95			23.5	1.5
100	256QAM	1	1	20.37			21.5	3.5
Channel								
				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3745.02	3750	3755.01		
90	QPSK	1	1	23.78	23.88	23.82	25.0	0.0
Channel								
				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3740.01	3750	3760.02		
80	QPSK	1	1	23.78	23.87	23.83	25.0	0.0
Channel								
				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3730.02	3750	3770.01		
60	QPSK	1	1	23.86	23.79	23.84	25.0	0.0
Channel								
				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3725.01	3750	3775.02		
50	QPSK	1	1	23.85	23.83	23.80	25.0	0.0
Channel								
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3720	3750	3780		
40	QPSK	1	1	23.85	23.84	23.82	25.0	0.0
Channel								
				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3710.01	3750	3790.02		
20	QPSK	1	1	23.84	23.87	23.86	25.0	0.0
Channel								
				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3707.52	3750	3792.51		
15	QPSK	1	1	23.84	23.81	23.88	25.0	0.0
Channel								
				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3705	3750	3795		
10	QPSK	1	1	23.82	23.79	23.88	25.0	0.0

### PC2 Part27O n78 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3750				
100	PV2 BPSK	1	1	25.18				
100	PV2 BPSK	1	137	25.93			27.0	0.0
100	PV2 BPSK	1	271	25.31				
100	PV2 BPSK	135	0	25.35			27.0	0.0
100	PV2 BPSK	135	69	25.95			27.0	0.0
100	PV2 BPSK	135	138	25.33			27.0	0.0
100	PV2 BPSK	270	0	25.47			27.0	0.0
100	QPSK	1	1	25.22				
100	QPSK	1	137	25.97			27.0	0.0
100	QPSK	1	271	25.33				
100	QPSK	135	0	25.35			27.0	0.0
100	QPSK	135	69	25.93			27.0	0.0
100	QPSK	135	138	25.55			27.0	0.0
100	QPSK	270	0	25.55			27.0	0.0
100	16QAM	1	1	24.32			26.0	1.0
100	64QAM	1	1	22.86			24.5	2.5
100	256QAM	1	1	20.52			22.5	4.5
Channel								
				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3745.02	3750	3755.01		
90	QPSK	1	1	25.82	25.88	25.92	27.0	0.0
Channel								
				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3740.01	3750	3760.02		
80	QPSK	1	1	25.92	25.93	25.86	27.0	0.0
Channel								
				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3730.02	3750	3770.01		
60	QPSK	1	1	25.93	25.83	25.85	27.0	0.0
Channel								
				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3725.01	3750	3775.02		
50	QPSK	1	1	25.93	25.91	25.87	27.0	0.0
Channel								
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3720	3750	3780		
40	QPSK	1	1	25.93	25.87	25.93	27.0	0.0
Channel								
				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3710.01	3750	3790.02		
20	QPSK	1	1	25.85	25.84	25.84	27.0	0.0
Channel								
				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3707.52	3750	3792.51		
15	QPSK	1	1	25.92	25.93	25.88	27.0	0.0
Channel								
				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				3705	3750	3795		
10	QPSK	1	1	25.89	25.88	25.83	27.0	0.0



### PC3 Part27Q n78 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334				
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1	23.10				
100	Pi/2 BPSK	1	137	23.80			25.0	0.0
100	Pi/2 BPSK	1	271	23.10				
100	Pi/2 BPSK	135	0	23.26			25.0	0.0
100	Pi/2 BPSK	135	69	23.69			25.0	0.0
100	Pi/2 BPSK	135	138	23.24				
100	Pi/2 BPSK	270	0	23.28			25.0	0.0
100	QPSK	1	1	23.10				
100	QPSK	1	137	23.84			25.0	0.0
100	QPSK	1	271	23.10				
100	QPSK	135	0	23.10			25.0	0.0
100	QPSK	135	69	23.79			25.0	0.0
100	QPSK	135	138	23.68				
100	QPSK	270	0	23.71			25.0	0.0
100	16QAM	1	1	22.63			24.0	1.0
100	64QAM	1	1	21.84			23.5	1.5
100	256QAM	1	1	20.19			21.5	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	25.0	0.0
90	QPSK	1	1	23.70	23.74	23.76	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	25.0	0.0
80	QPSK	1	1	23.71	23.77	23.80	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	25.0	0.0
60	QPSK	1	1	23.78	23.78	23.70	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	25.0	0.0
50	QPSK	1	1	23.70	23.76	23.79	25.0	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	25.0	0.0
40	QPSK	1	1	23.81	23.73	23.76	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	25.0	0.0
20	QPSK	1	1	23.80	23.79	23.80	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	25.0	0.0
15	QPSK	1	1	23.75	23.76	23.74	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	25.0	0.0
10	QPSK	1	1	23.70	23.74	23.70	25.0	0.0

### PC2 Part27Q n78 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334				
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1	25.12				
100	Pi/2 BPSK	1	137	25.72			27.0	0.0
100	Pi/2 BPSK	1	271	25.20				
100	Pi/2 BPSK	135	0	25.33			27.0	0.0
100	Pi/2 BPSK	135	69	25.70			27.0	0.0
100	Pi/2 BPSK	135	138	25.10				
100	Pi/2 BPSK	270	0	25.10			27.0	0.0
100	QPSK	1	1	25.01				
100	QPSK	1	137	25.79			27.0	0.0
100	QPSK	1	271	25.27				
100	QPSK	135	0	25.36			27.0	0.0
100	QPSK	135	69	25.71			27.0	0.0
100	QPSK	135	138	25.26				
100	QPSK	270	0	25.31			27.0	0.0
100	16QAM	1	1	24.93			26.0	1.0
100	64QAM	1	1	22.56			24.5	2.5
100	256QAM	1	1	21.03			22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	25.0	0.0
90	QPSK	1	1	25.06	25.03	25.09	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	27.0	0.0
80	QPSK	1	1	25.14	25.10	25.15	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	25.0	0.0
60	QPSK	1	1	25.08	25.14	25.05	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	27.0	0.0
50	QPSK	1	1	25.07	25.07	25.07	27.0	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	25.0	0.0
40	QPSK	1	1	25.09	25.03	25.12	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0
20	QPSK	1	1	25.11	25.05	25.08	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	25.0	0.0
15	QPSK	1	1	25.10	25.14	25.09	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	25.0	0.0
10	QPSK	1	1	25.07	25.08	25.06	27.0	0.0



### Part270 n77 Ant4 DS12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	65000		
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	21.50	21.85	21.48		
100	Pi/2 BPSK	1	137	21.50	21.89	21.54	22.0	0.0
100	Pi/2 BPSK	1	271	21.63	21.72	21.56		
100	Pi/2 BPSK	135	0	21.80	21.84	21.38	22.0	0.0
100	Pi/2 BPSK	135	69	21.52	21.63	21.59	22.0	0.0
100	Pi/2 BPSK	135	138	21.52	21.69	21.57	22.0	0.0
100	Pi/2 BPSK	270	0	21.48	21.69	21.41	22.0	0.0
100	QPSK	1	1	21.65	21.70	21.44		
100	QPSK	1	137	21.66	21.85	21.58	22.0	0.0
100	QPSK	1	271	21.82	21.80	21.39		
100	QPSK	135	0	21.88	21.88	21.55	22.0	0.0
100	QPSK	135	69	21.44	21.80	21.51	22.0	0.0
100	QPSK	135	138	21.53	21.79	21.59	22.0	0.0
100	QPSK	270	0	21.60	21.73	21.40	22.0	0.0
100	16QAM	1	1	21.82	21.84	21.41	22.0	0.0
100	64QAM	1	1	21.56	21.55	21.53	22.0	0.0
100	256QAM	1	1	19.20	19.08	19.01	20.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dB)	
90	QPSK	1	1	21.57	21.84	21.43	22.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dB)	
80	QPSK	1	1	21.49	21.52	21.38	22.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dB)	
60	QPSK	1	1	21.66	21.81	21.46	22.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dB)	
50	QPSK	1	1	21.55	21.84	21.42	22.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3840	3960	(dB)	
40	QPSK	1	1	21.57	21.89	21.57	22.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dB)	
20	QPSK	1	1	21.47	21.89	21.53	22.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dB)	
15	QPSK	1	1	21.59	21.83	21.59	22.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3840	3975	(dB)	
10	QPSK	1	1	21.44	21.82	21.43	22.0	0.0

### Part27Q n77 Ant4 DS12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668		
Frequency (MHz)				3500.01	3500.01	3500.01		
100	Pi/2 BPSK	1	1	21.29	21.29	21.29		
100	Pi/2 BPSK	1	137	21.31	21.31	21.31	22.0	0.0
100	Pi/2 BPSK	1	271	21.23	21.23	21.23		
100	Pi/2 BPSK	135	0	21.29	21.29	21.29	22.0	0.0
100	Pi/2 BPSK	135	69	21.36	21.36	21.36	22.0	0.0
100	Pi/2 BPSK	135	138	21.22	21.22	21.22	22.0	0.0
100	Pi/2 BPSK	270	0	21.22	21.22	21.22	22.0	0.0
100	QPSK	1	1	21.26	21.26	21.26		
100	QPSK	1	137	21.42	21.42	21.42	22.0	0.0
100	QPSK	1	271	21.21	21.21	21.21		
100	QPSK	135	0	21.30	21.30	21.30	22.0	0.0
100	QPSK	135	69	21.34	21.34	21.34	22.0	0.0
100	QPSK	135	138	21.18	21.18	21.18	22.0	0.0
100	QPSK	270	0	21.16	21.16	21.16	22.0	0.0
100	16QAM	1	1	21.16	21.16	21.16	22.0	0.0
100	64QAM	1	1	21.35	21.35	21.35	22.0	0.0
100	256QAM	1	1	19.44	19.44	19.44	20.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dB)	
90	QPSK	1	1	21.30	21.36	21.24	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dB)	
80	QPSK	1	1	21.32	21.13	21.27	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dB)	
60	QPSK	1	1	21.20	21.17	21.28	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dB)	
50	QPSK	1	1	21.33	21.16	21.35	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dB)	
40	QPSK	1	1	21.26	21.14	21.19	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dB)	
20	QPSK	1	1	21.23	21.26	21.16	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.02	3500.01	3542.52	(dB)	
15	QPSK	1	1	21.21	21.21	21.17	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dB)	
10	QPSK	1	1	21.14	21.27	21.26	22.0	0.0

### PC3 Part27O n78 Ant4 DS12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	65000		
Frequency (MHz)				3750	3750	3750		
100	Pi/2 BPSK	1	1	22.73	22.73	22.73		
100	Pi/2 BPSK	1	137	22.71	22.71	22.71	23.5	0.0
100	Pi/2 BPSK	1	271	22.83	22.83	22.83		
100	Pi/2 BPSK	135	0	22.88	22.88	22.88	23.5	0.0
100	Pi/2 BPSK	135	69	22.70	22.70	22.70	23.5	0.0
100	Pi/2 BPSK	135	138	22.73	22.73	22.73	23.5	0.0
100	Pi/2 BPSK	270	0	22.77	22.77	22.77	23.5	0.0
100	QPSK	1	1	22.80	22.80	22.80		
100	QPSK	1	137	22.85	22.85	22.85	23.5	0.0
100	QPSK	1	271	22.75	22.75	22.75		
100	QPSK	135	0	22.74	22.74	22.74	23.5	0.0
100	QPSK	135	69	22.80	22.80	22.80	23.5	0.0
100	QPSK	135	138	22.88	22.88	22.88	23.5	0.0
100	QPSK	270	0	22.83	22.83	22.83	23.5	0.0
100	16QAM	1	1	22.83	22.83	22.83	23.5	0.0
100	64QAM	1	1	22.84	22.84	22.84	23.5	0.0
100	256QAM	1	1	21.82	21.82	21.82	23.0	0.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dB)	
90	QPSK	1	1	22.54	22.52	22.44	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dB)	
80	QPSK	1	1	22.47	22.57	22.63	23.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dB)	
60	QPSK	1	1	22.58	22.43	22.42	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dB)	
50	QPSK	1	1	22.53	22.55	22.64	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3780	(dB)	
40	QPSK	1	1	22.54	22.43	22.59	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dB)	
20	QPSK	1	1	22.62	22.41	22.64	23.5	0.0
Channel				647168	650000	653334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dB)	
15	QPSK	1	1	22.51	22.45	22.62	23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795	(dB)	
10	QPSK	1	1	22.53	22.50	22.44	23.5	0.0



### PC2 Part270 n78 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)							3750		
100	PI/2 BPSK	1	1	24.51					
100	PI/2 BPSK	1	137	25.21			26.5	0.0	
100	PI/2 BPSK	1	271	24.64					
100	PI/2 BPSK	135	0	25.25			26.5	0.0	
100	PI/2 BPSK	135	69	25.25			26.5	0.0	
100	PI/2 BPSK	135	138	25.16			26.5	0.0	
100	PI/2 BPSK	270	0	25.24			26.5	0.0	
100	QPSK	1	1	24.52					
100	QPSK	1	137	25.35			26.5	0.0	
100	QPSK	1	271	24.74					
100	QPSK	135	0	25.21			26.5	0.0	
100	QPSK	135	69	25.31			26.5	0.0	
100	QPSK	135	138	25.12			26.5	0.0	
100	QPSK	270	0	25.17			26.5	0.0	
100	16QAM	1	1	24.71			26.5	0.0	
100	64QAM	1	1	23.54			25.0	1.5	
100	256QAM	1	1	20.79			22.0	4.5	
Channel							649668	650000	650334
Frequency (MHz)							3745.02	3750	3755.01
90	QPSK	1	1	25.31	25.21	25.22	26.5	0.0	
Channel							649334	650000	650668
Frequency (MHz)							3740.01	3750	3760.02
80	QPSK	1	1	25.23	25.32	25.20	26.5	0.0	
Channel							649668	650000	651334
Frequency (MHz)							3730.02	3750	3770.01
60	QPSK	1	1	25.21	25.31	25.28	26.5	0.0	
Channel							648334	650000	651668
Frequency (MHz)							3725.01	3750	3775.02
50	QPSK	1	1	25.24	25.29	25.31	26.5	0.0	
Channel							648000	650000	650300
Frequency (MHz)							3720	3750	3780
40	QPSK	1	1	25.31	25.23	25.27	26.5	0.0	
Channel							647334	650000	652668
Frequency (MHz)							3710.01	3750	3790.02
20	QPSK	1	1	25.30	25.27	25.20	26.5	0.0	
Channel							647168	650000	650334
Frequency (MHz)							3707.52	3750	3792.51
15	QPSK	1	1	25.30	25.30	25.23	26.5	0.0	
Channel							647000	650000	653000
Frequency (MHz)							3705	3750	3795
10	QPSK	1	1	25.31	25.26	25.21	26.5	0.0	

### PC3 Part27Q n78 Ant4 DS12

BW (MHz)	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	PI/2 BPSK	1	1	22.58					
100	PI/2 BPSK	1	137	22.40			23.5	0.0	
100	PI/2 BPSK	1	271	22.31					
100	PI/2 BPSK	135	0	22.48			23.5	0.0	
100	PI/2 BPSK	135	69	22.48			23.5	0.0	
100	PI/2 BPSK	135	138	22.47			23.5	0.0	
100	PI/2 BPSK	270	0	22.51			23.5	0.0	
100	QPSK	1	1	22.52					
100	QPSK	1	137	22.72			23.5	0.0	
100	QPSK	1	271	22.56					
100	QPSK	135	0	22.57			23.5	0.0	
100	QPSK	135	69	22.65			23.5	0.0	
100	QPSK	135	138	22.49			23.5	0.0	
100	QPSK	270	0	22.30			23.5	0.0	
100	16QAM	1	1	22.55			23.5	0.0	
100	64QAM	1	1	22.35			23.5	0.0	
100	256QAM	1	1	21.67			23.0	0.5	
Channel							633000	633334	633668
Frequency (MHz)							3495	3500.01	3505.02
90	QPSK	1	1	22.34	22.37	22.43	23.5	0.0	
Channel							632668	633334	634000
Frequency (MHz)							3490.02	3500.01	3510
80	QPSK	1	1	22.35	22.48	22.48	23.5	0.0	
Channel							632000	633334	634668
Frequency (MHz)							3480	3500.01	3520.02
60	QPSK	1	1	22.31	22.42	22.45	23.5	0.0	
Channel							631668	633334	635000
Frequency (MHz)							3475.02	3500.01	3525
50	QPSK	1	1	22.42	22.31	22.30	23.5	0.0	
Channel							631334	633334	635334
Frequency (MHz)							3470.01	3500.01	3530.01
40	QPSK	1	1	22.38	22.41	22.44	23.5	0.0	
Channel							630668	633334	636000
Frequency (MHz)							3460.02	3500.01	3540
20	QPSK	1	1	22.36	22.30	22.43	23.5	0.0	
Channel							630500	633334	636168
Frequency (MHz)							3457.5	3500.01	3542.52
15	QPSK	1	1	22.44	22.29	22.28	23.5	0.0	
Channel							630334	633334	636334
Frequency (MHz)							3455.01	3500.01	3545.01
10	QPSK	1	1	22.27	22.42	22.40	23.5	0.0	

### PC2 Part27Q n78 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)							3500.01		
100	PI/2 BPSK	1	1	24.53					
100	PI/2 BPSK	1	137	25.29			26.5	0.0	
100	PI/2 BPSK	1	271	24.79					
100	PI/2 BPSK	135	0	25.32			26.5	0.0	
100	PI/2 BPSK	135	69	25.39			26.5	0.0	
100	PI/2 BPSK	135	138	25.24			26.5	0.0	
100	PI/2 BPSK	270	0	25.29			26.5	0.0	
100	QPSK	1	1	24.52					
100	QPSK	1	137	25.50			26.5	0.0	
100	QPSK	1	271	24.90					
100	QPSK	135	0	25.36			26.5	0.0	
100	QPSK	135	69	25.43			26.5	0.0	
100	QPSK	135	138	25.21			26.5	0.0	
100	QPSK	270	0	25.28			26.5	0.0	
100	16QAM	1	1	24.52			26.5	0.0	
100	64QAM	1	1	23.97			25.0	1.5	
100	256QAM	1	1	21.35			22.0	4.5	
Channel							633000	633334	633668
Frequency (MHz)							3495	3500.01	3505.02
90	QPSK	1	1	25.38	25.44	25.41	26.5	0.0	
Channel							632668	633334	634000
Frequency (MHz)							3490.02	3500.01	3510
80	QPSK	1	1	25.36	25.46	25.41	26.5	0.0	
Channel							632000	633334	634668
Frequency (MHz)							3480	3500.01	3520.02
60	QPSK	1	1	25.40	25.37	25.46	26.5	0.0	
Channel							631668	633334	635000
Frequency (MHz)							3475.02	3500.01	3525
50	QPSK	1	1	25.37	25.36	25.42	26.5	0.0	
Channel							631334	633334	635334
Frequency (MHz)							3470.01	3500.01	3530.01
40	QPSK	1	1	25.41	25.43	25.43	26.5	0.0	
Channel							630668	633334	636000
Frequency (MHz)							3460.02	3500.01	3540
20	QPSK	1	1	25.43	25.44	25.38	26.5	0.0	
Channel							630500	633334	636168
Frequency (MHz)							3457.5	3500.01	3542.52
15	QPSK	1	1	25.37	25.42	25.42	26.5	0.0	
Channel							630334	633334	636334
Frequency (MHz)							3455.01	3500.01	3545.01
10	QPSK	1	1	25.38	25.39	25.40	26.5	0.0	





### Part270 n77 Ant6 DS12

BW [MHz]	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)				65000	65000	66000		
100	Pi/2 BPSK	1	1	17.49	17.48	17.31		
100	Pi/2 BPSK	1	137	17.41	17.45	17.23	18.5	0.0
100	Pi/2 BPSK	1	271	17.51	17.43	17.38		
100	Pi/2 BPSK	135	0	17.46	17.55	17.43	18.5	0.0
100	Pi/2 BPSK	135	69	17.43	17.38	17.29	18.5	0.0
100	Pi/2 BPSK	135	138	17.45	17.56	17.22	18.5	0.0
100	Pi/2 BPSK	270	0	17.46	17.38	17.42		
100	QPSK	1	1	17.35	17.52	17.33		
100	QPSK	1	137	17.49	17.59	17.43	18.5	0.0
100	QPSK	1	271	17.47	17.45	17.29		
100	QPSK	135	0	17.42	17.52	17.29	18.5	0.0
100	QPSK	135	69	17.42	17.55	17.32	18.5	0.0
100	QPSK	135	138	17.35	17.46	17.41	18.5	0.0
100	QPSK	270	0	17.31	17.53	17.35		
100	16QAM	1	1	17.45	17.42	17.31	18.5	0.0
100	64QAM	1	1	17.28	17.53	17.43	18.5	0.0
100	256QAM	1	1	17.37	17.56	17.35	18.5	0.0
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.35	17.38	17.33	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.17	17.21	17.17	18.5	0.0
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.32	17.20	17.34	18.5	0.0
Channel								
Frequency (MHz)				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.16	17.33	17.32	18.5	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.17	17.17	17.33	18.5	0.0
Channel								
Frequency (MHz)				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.31	17.22	17.21	18.5	0.0
Channel								
Frequency (MHz)				647168	650000	650334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.22	17.22	17.21	18.5	0.0
Channel								
Frequency (MHz)				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.33	17.16	17.22	18.5	0.0

### Part27Q n77 Ant6 DS12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				633334				
100	Pi/2 BPSK	1	1	17.49	17.75			
100	Pi/2 BPSK	1	137	17.41	17.57		18.5	0.0
100	Pi/2 BPSK	1	271	17.51	17.77			
100	Pi/2 BPSK	135	0	17.46	17.59		18.5	0.0
100	Pi/2 BPSK	135	69	17.43	17.67		18.5	0.0
100	Pi/2 BPSK	135	138	17.45	17.80		18.5	0.0
100	Pi/2 BPSK	270	0	17.46	17.66			
100	QPSK	1	1	17.35	17.62			
100	QPSK	1	137	17.49	17.80		18.5	0.0
100	QPSK	1	271	17.47	17.65			
100	QPSK	135	0	17.42	17.59		18.5	0.0
100	QPSK	135	69	17.42	17.77		18.5	0.0
100	QPSK	135	138	17.35	17.58		18.5	0.0
100	QPSK	270	0	17.31	17.66			
100	16QAM	1	1	17.45	17.69		18.5	0.0
100	64QAM	1	1	17.28	17.60		18.5	0.0
100	256QAM	1	1	17.37	17.61		18.5	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.65	17.62	17.70	18.5	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.50	17.61	17.54	18.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.51	17.61	17.53	18.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.41	17.55	17.50	18.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.47	17.60	17.52	18.5	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.45	17.46	17.51	18.5	0.0
Channel								
Frequency (MHz)				630500	633334	633168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.52	17.46	17.67	18.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.46	17.62	17.51	18.5	0.0

### PC3 Part270 n78 Ant6 DS12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				650000				
100	Pi/2 BPSK	1	1	17.49	17.65			
100	Pi/2 BPSK	1	137	17.41	17.55		19.0	0.0
100	Pi/2 BPSK	1	271	17.51	17.66			
100	Pi/2 BPSK	135	0	17.46	17.55		19.0	0.0
100	Pi/2 BPSK	135	69	17.43	17.70		19.0	0.0
100	Pi/2 BPSK	135	138	17.45	17.70		19.0	0.0
100	Pi/2 BPSK	270	0	17.46	17.63			
100	QPSK	1	1	17.35	17.72			
100	QPSK	1	137	17.49	17.73		19.0	0.0
100	QPSK	1	271	17.47	17.66			
100	QPSK	135	0	17.42	17.53		19.0	0.0
100	QPSK	135	69	17.42	17.57		19.0	0.0
100	QPSK	135	138	17.35	17.54		19.0	0.0
100	QPSK	270	0	17.31	17.50			
100	16QAM	1	1	17.45	17.59		19.0	0.0
100	64QAM	1	1	17.28	17.49		19.0	0.0
100	256QAM	1	1	17.37	17.56		19.0	0.0
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.32	17.42	17.39	19.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.52	17.29	17.53	19.0	0.0
Channel								
Frequency (MHz)				649668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.29	17.28	17.34	19.0	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.57	17.54	17.50	19.0	0.0
Channel								
Frequency (MHz)				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.29	17.32	17.49	19.0	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.44	17.45	17.40	19.0	0.0
Channel								
Frequency (MHz)				647168	650000	653334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.34	17.34	17.44	19.0	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.33	17.41	17.51	19.0	0.0



### PC2 Part270 n78 Ant6 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)							3750		
100	Pi/2 BPSK	1	1		20.56				
100	Pi/2 BPSK	1	137		20.59		22.0	0.0	
100	Pi/2 BPSK	1	271		20.69				
100	Pi/2 BPSK	135	0		20.65		22.0	0.0	
100	Pi/2 BPSK	135	69		20.57		22.0	0.0	
100	Pi/2 BPSK	135	138		20.66				
100	Pi/2 BPSK	270	0		20.53		22.0	0.0	
100	QPSK	1	1		20.60				
100	QPSK	1	137		20.74		22.0	0.0	
100	QPSK	1	271		20.70				
100	QPSK	135	0		20.53		22.0	0.0	
100	QPSK	135	69		20.70		22.0	0.0	
100	QPSK	135	138		20.69				
100	QPSK	270	0		20.55		22.0	0.0	
100	16QAM	1	1		20.69		22.0	0.0	
100	64QAM	1	1		20.68		22.0	0.0	
100	256QAM	1	1		20.68		22.0	0.0	
Channel							649668	650000	650334
Frequency (MHz)							3745.02	3750	3755.01
90	QPSK	1	1		20.39	20.54	20.50	22.0	0.0
Channel							649334	650000	650668
Frequency (MHz)							3740.01	3750	3760.02
80	QPSK	1	1		20.47	20.37	20.35	22.0	0.0
Channel							649668	650000	651334
Frequency (MHz)							3730.02	3750	3770.01
60	QPSK	1	1		20.43	20.44	20.53	22.0	0.0
Channel							648334	650000	651668
Frequency (MHz)							3725.01	3750	3775.02
50	QPSK	1	1		20.43	20.50	20.45	22.0	0.0
Channel							648000	650000	652000
Frequency (MHz)							3720	3750	3780
40	QPSK	1	1		20.48	20.56	20.34	22.0	0.0
Channel							647334	650000	652668
Frequency (MHz)							3710.01	3750	3790.02
20	QPSK	1	1		20.55	20.33	20.34	22.0	0.0
Channel							647168	650000	652834
Frequency (MHz)							3707.52	3750	3792.51
15	QPSK	1	1		20.44	20.55	20.43	22.0	0.0
Channel							647000	650000	653000
Frequency (MHz)							3705	3750	3795
10	QPSK	1	1		20.53	20.37	20.43	22.0	0.0

### PC3 Part27Q n78 Ant6 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)							3500.01		
100	Pi/2 BPSK	1	1		17.83				
100	Pi/2 BPSK	1	137		17.56		19.0	0.0	
100	Pi/2 BPSK	1	271		17.67				
100	Pi/2 BPSK	135	0		17.55		19.0	0.0	
100	Pi/2 BPSK	135	69		17.74		19.0	0.0	
100	Pi/2 BPSK	135	138		17.69				
100	Pi/2 BPSK	270	0		17.79		19.0	0.0	
100	QPSK	1	1		17.87				
100	QPSK	1	137		17.99		19.0	0.0	
100	QPSK	1	271		17.86				
100	QPSK	135	0		17.83		19.0	0.0	
100	QPSK	135	69		17.95		19.0	0.0	
100	QPSK	135	138		17.75				
100	QPSK	270	0		17.70		19.0	0.0	
100	16QAM	1	1		17.69		19.0	0.0	
100	64QAM	1	1		17.56		19.0	0.0	
100	256QAM	1	1		17.58		19.0	0.0	
Channel							633000	633334	633668
Frequency (MHz)							3495	3500.01	3505.02
90	QPSK	1	1		17.58	17.48	17.62	19.0	0.0
Channel							632668	633334	634000
Frequency (MHz)							3490.02	3500.01	3510
80	QPSK	1	1		17.61	17.55	17.66	19.0	0.0
Channel							632000	633334	634668
Frequency (MHz)							3480	3500.01	3520.02
60	QPSK	1	1		17.51	17.67	17.61	19.0	0.0
Channel							631668	633334	635000
Frequency (MHz)							3475.02	3500.01	3525
50	QPSK	1	1		17.72	17.71	17.51	19.0	0.0
Channel							631334	633334	635334
Frequency (MHz)							3470.01	3500.01	3530.01
40	QPSK	1	1		17.64	17.66	17.65	19.0	0.0
Channel							630668	633334	636000
Frequency (MHz)							3460.02	3500.01	3540
20	QPSK	1	1		17.85	17.62	17.67	19.0	0.0
Channel							630500	633334	636168
Frequency (MHz)							3457.5	3500.01	3542.52
15	QPSK	1	1		17.59	17.55	17.52	19.0	0.0
Channel							630334	633334	636334
Frequency (MHz)							3455.01	3500.01	3545.01
10	QPSK	1	1		17.72	17.64	17.72	19.0	0.0

### PC2 Part27Q n78 Ant6 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)							3500.01		
100	Pi/2 BPSK	1	1		20.57				
100	Pi/2 BPSK	1	137		20.49		22.0	0.0	
100	Pi/2 BPSK	1	271		20.66				
100	Pi/2 BPSK	135	0		20.56		22.0	0.0	
100	Pi/2 BPSK	135	69		20.39		22.0	0.0	
100	Pi/2 BPSK	135	138		20.58				
100	Pi/2 BPSK	270	0		20.46		22.0	0.0	
100	QPSK	1	1		20.55				
100	QPSK	1	137		20.83		22.0	0.0	
100	QPSK	1	271		20.62				
100	QPSK	135	0		20.48		22.0	0.0	
100	QPSK	135	69		20.74		22.0	0.0	
100	QPSK	135	138		20.55				
100	QPSK	270	0		20.54		22.0	0.0	
100	16QAM	1	1		20.70		22.0	0.0	
100	64QAM	1	1		20.58		22.0	0.0	
100	256QAM	1	1		20.52		22.0	0.0	
Channel							633000	633334	633668
Frequency (MHz)							3495	3500.01	3505.02
90	QPSK	1	1		20.53	20.48	20.37	22.0	0.0
Channel							632668	633334	634000
Frequency (MHz)							3490.02	3500.01	3510
80	QPSK	1	1		20.53	20.40	20.45	22.0	0.0
Channel							632000	633334	634668
Frequency (MHz)							3480	3500.01	3520.02
60	QPSK	1	1		20.59	20.57	20.56	22.0	0.0
Channel							631668	633334	635000
Frequency (MHz)							3475.02	3500.01	3525
50	QPSK	1	1		20.57	20.56	20.54	22.0	0.0
Channel							631334	633334	635334
Frequency (MHz)							3470.01	3500.01	3530.01
40	QPSK	1	1		20.55	20.46	20.60	22.0	0.0
Channel							630668	633334	636000
Frequency (MHz)							3460.02	3500.01	3540
20	QPSK	1	1		20.54	20.59	20.56	22.0	0.0
Channel							630500	633334	636168
Frequency (MHz)							3457.5	3500.01	3542.52
15	QPSK	1	1		20.43	20.58	20.59	22.0	0.0
Channel							630334	633334	636334
Frequency (MHz)							3455.01	3500.01	3545.01
10	QPSK	1	1		20.60	20.37	20.56	22.0	0.0



n2 Ant7 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1890	1890	1900		
20	PI/2 BPSK	1	1	17.45	17.63	17.76		
20	PI/2 BPSK	1	26	17.65	17.94	17.63	19.0	0.0
20	PI/2 BPSK	1	49	17.52	17.77	17.57		
20	PI/2 BPSK	25	0	17.52	17.91	17.76	19.0	0.0
20	PI/2 BPSK	25	13	17.45	17.98	17.73	19.0	0.0
20	PI/2 BPSK	25	26	17.71	17.89	17.46		
20	PI/2 BPSK	50	0	17.57	17.74	17.75	19.0	0.0
20	QPSK	1	1	17.57	18.00	17.74		
20	QPSK	1	26	17.65	17.85	17.49	19.0	0.0
20	QPSK	1	49	17.58	17.88	17.74		
20	QPSK	25	0	17.57	17.90	17.61	19.0	0.0
20	QPSK	25	13	17.81	17.95	17.55	19.0	0.0
20	QPSK	25	26	17.54	17.70	17.80		
20	QPSK	50	0	17.53	17.90	17.70	19.0	0.0
20	16QAM	1	1	17.60	17.78	17.62	19.0	0.0
20	64QAM	1	1	17.54	17.82	17.53	19.0	0.0
20	256QAM	1	1	16.95	16.42	16.37	17.5	1.5
Channel				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1890	1902.5		
15	QPSK	1	1	17.50	17.79	17.53	19.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1890	1905		
10	QPSK	1	1	17.50	17.88	17.58	19.0	0.0

n5 Ant7 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.68	21.73	21.70		
20	PI/2 BPSK	1	26	21.52	21.57	21.45	23.0	0.0
20	PI/2 BPSK	1	49	21.46	21.54	21.48		
20	PI/2 BPSK	25	0	21.14	21.23	21.19	22.5	0.5
20	PI/2 BPSK	25	13	21.86	21.69	21.54	23.0	0.0
20	PI/2 BPSK	25	26	21.09	21.24	21.15		
20	PI/2 BPSK	50	0	21.15	21.29	21.15	22.5	0.5
20	QPSK	1	1	21.71	21.76	21.63		
20	QPSK	1	26	21.60	21.65	21.57	23.0	0.0
20	QPSK	1	49	21.44	21.50	21.43		
20	QPSK	25	0	20.60	20.75	20.65	22.0	1.0
20	QPSK	25	13	21.60	21.70	21.62	23.0	0.0
20	QPSK	25	26	20.54	20.66	20.58		
20	QPSK	50	0	20.69	20.73	20.62	22.0	1.0
20	16QAM	1	1	20.29	20.41	20.38	22.0	1.0
20	64QAM	1	1	18.78	18.82	18.89	20.5	2.5
20	256QAM	1	1	17.40	17.52	17.46	18.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.62	21.71	21.53	23.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.66	21.69	21.49	23.0	0.0



### Part270 n77 Ant11 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				65000	66000	66000		
100	Pi/2 BPSK	1	1	19.82	19.92	19.70		
100	Pi/2 BPSK	1	137	19.77	19.98	19.72	20.5	0.0
100	Pi/2 BPSK	1	271	19.63	20.06	19.69		
100	Pi/2 BPSK	135	0	19.75	20.04	19.84	20.5	0.0
100	Pi/2 BPSK	135	69	19.70	19.91	19.67	20.5	0.0
100	Pi/2 BPSK	135	138	19.61	19.95	19.86		
100	Pi/2 BPSK	270	0	19.66	19.96	19.66	20.5	0.0
100	QPSK	1	1	19.79	20.07	19.73		
100	QPSK	1	137	19.80	20.09	19.86	20.5	0.0
100	QPSK	1	271	19.65	20.01	19.74		
100	QPSK	135	0	19.76	20.02	19.80	20.5	0.0
100	QPSK	135	69	19.71	20.03	19.81	20.5	0.0
100	QPSK	135	138	19.67	19.86	19.84		
100	QPSK	270	0	19.68	19.97	19.81	20.5	0.0
100	16QAM	1	1	19.78	20.01	19.79	20.5	0.0
100	64QAM	1	1	19.74	19.88	19.77	20.5	0.0
100	256QAM	1	1	19.01	19.03	18.97	20.5	0.0
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.60	19.85	19.71	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.49	19.69	19.67	20.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.42	19.64	19.60	20.5	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.59	19.70	19.53	20.5	0.0
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.56	19.71	19.63	20.5	0.0
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.46	19.65	19.57	20.5	0.0
Channel				647163	650000	650334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.40	19.73	19.51	20.5	0.0
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.59	19.69	19.66	20.5	0.0

### Part27Q n77 Ant11 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				633334				
100	Pi/2 BPSK	1	1	19.82	20.12			
100	Pi/2 BPSK	1	137	20.05			20.5	0.0
100	Pi/2 BPSK	1	271	20.16				
100	Pi/2 BPSK	135	0	20.25			20.5	0.0
100	Pi/2 BPSK	135	69	20.15			20.5	0.0
100	Pi/2 BPSK	135	138	20.19				
100	Pi/2 BPSK	270	0	20.16			20.5	0.0
100	QPSK	1	1	20.23				
100	QPSK	1	137	20.32			20.5	0.0
100	QPSK	1	271	20.05				
100	QPSK	135	0	20.04			20.5	0.0
100	QPSK	135	69	20.25			20.5	0.0
100	QPSK	135	138	20.15			20.5	0.0
100	QPSK	270	0	20.23			20.5	0.0
100	16QAM	1	1	20.25			20.5	0.0
100	64QAM	1	1	20.12			20.5	0.0
100	256QAM	1	1	19.68			20.5	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.05	20.03	20.05	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.91	19.96	19.97	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.84	19.95	19.86	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.89	19.99	19.88	20.5	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.94	19.95	19.98	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.84	19.98	20.05	20.5	0.0
Channel				630500	633334	632169	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.02	19.96	19.99	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.06	19.85	19.90	20.5	0.0

### PC3 Part270 n78 Ant11 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	Pi/2 BPSK	1	1			17.83		
100	Pi/2 BPSK	1	137			17.77	18.5	0.0
100	Pi/2 BPSK	1	271			17.83		
100	Pi/2 BPSK	135	0			17.94	18.5	0.0
100	Pi/2 BPSK	135	69			17.84	18.5	0.0
100	Pi/2 BPSK	135	138			17.92		
100	Pi/2 BPSK	270	0			17.84	18.5	0.0
100	QPSK	1	1			17.83		
100	QPSK	1	137			17.95	18.5	0.0
100	QPSK	1	271			17.88		
100	QPSK	135	0			17.75	18.5	0.0
100	QPSK	135	69			17.93	18.5	0.0
100	QPSK	135	138			17.90		
100	QPSK	270	0			17.90	18.5	0.0
100	16QAM	1	1			17.79	18.5	0.0
100	64QAM	1	1			17.86	18.5	0.0
100	256QAM	1	1			17.92	18.5	0.0
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.79	17.71	17.72	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.80	17.71	17.69	18.5	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.78	17.73	17.89	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.77	17.70	17.80	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.80	17.59	17.86	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.83	17.69	17.71	18.5	0.0
Channel				647163	650000	653000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.91	17.75	17.78	18.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.74	17.66	17.84	18.5	0.0



PC2 Part270 n78 Ant11 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750			
Frequency (MHz)									
100	PI/2 BPSK	1	1	20.70					
100	PI/2 BPSK	1	137	20.87			21.5	0.0	
100	PI/2 BPSK	1	271	20.63					
100	PI/2 BPSK	135	0	20.72			21.5	0.0	
100	PI/2 BPSK	135	69	20.71			21.5	0.0	
100	PI/2 BPSK	135	138	20.76					
100	PI/2 BPSK	270	0	20.75			21.5	0.0	
100	QPSK	1	1	20.65					
100	QPSK	1	137	20.80			21.5	0.0	
100	QPSK	1	271	20.65					
100	QPSK	135	0	20.70			21.5	0.0	
100	QPSK	135	69	20.72			21.5	0.0	
100	QPSK	135	138	20.67					
100	QPSK	270	0	20.70			21.5	0.0	
100	16QAM	1	1	20.55			21.5	0.0	
100	64QAM	1	1	20.89			21.5	0.0	
100	256QAM	1	1	19.89			21.5	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	20.41	20.46	20.56	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	20.57	20.51	20.51	21.5	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3750.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	20.49	20.60	20.66	21.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	20.52	20.58	20.53	21.5	0.0	
Channel				649000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	20.39	20.45	20.51	21.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	20.48	20.36	20.69	21.5	0.0	
Channel				647163	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	20.46	20.40	20.66	21.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	20.43	20.48	20.67	21.5	0.0	

PC3 Part27Q n78 Ant11 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)									
100	PI/2 BPSK	1	1	17.05					
100	PI/2 BPSK	1	137	18.94			18.5	0.0	
100	PI/2 BPSK	1	271	17.12					
100	PI/2 BPSK	135	0	17.18			18.5	0.0	
100	PI/2 BPSK	135	69	17.02			18.5	0.0	
100	PI/2 BPSK	135	138	17.02					
100	PI/2 BPSK	270	0	17.18			18.5	0.0	
100	QPSK	1	1	17.03					
100	QPSK	1	137	17.21			18.5	0.0	
100	QPSK	1	271	17.00					
100	QPSK	135	0	18.84			18.5	0.0	
100	QPSK	135	69	17.15			18.5	0.0	
100	QPSK	135	138	17.02					
100	QPSK	270	0	17.04			18.5	0.0	
100	16QAM	1	1	16.96			18.5	0.0	
100	64QAM	1	1	17.09			18.5	0.0	
100	256QAM	1	1	17.02			18.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	17.07	17.09	16.95	18.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	16.98	16.91	16.78	18.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	17.01	16.99	16.81	18.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	16.97	17.07	16.85	18.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	17.04	17.00	16.89	18.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	17.04	16.88	16.78	18.5	0.0	
Channel				630500	633334	636163	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	17.09	17.05	16.82	18.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	17.04	17.08	16.96	18.5	0.0	

PC2 Part27Q n78 Ant11 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)									
100	PI/2 BPSK	1	1	19.92					
100	PI/2 BPSK	1	137	19.78			21.5	0.0	
100	PI/2 BPSK	1	271	19.64					
100	PI/2 BPSK	135	0	19.89			21.5	0.0	
100	PI/2 BPSK	135	69	19.81			21.5	0.0	
100	PI/2 BPSK	135	138	19.93					
100	PI/2 BPSK	270	0	19.76			21.5	0.0	
100	QPSK	1	1	19.84					
100	QPSK	1	137	19.96			21.5	0.0	
100	QPSK	1	271	19.73					
100	QPSK	135	0	19.85			21.5	0.0	
100	QPSK	135	69	19.94			21.5	0.0	
100	QPSK	135	138	19.87					
100	QPSK	270	0	19.87			21.5	0.0	
100	16QAM	1	1	19.58			21.5	0.0	
100	64QAM	1	1	19.88			21.5	0.0	
100	256QAM	1	1	19.63			21.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	19.58	19.69	19.58	21.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	19.53	19.60	19.55	21.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	19.68	19.64	19.63	21.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	19.58	19.63	19.63	21.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	19.60	19.77	19.64	21.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	19.59	19.76	19.51	21.5	0.0	
Channel				630500	633334	636163	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	19.55	19.76	19.56	21.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	19.61	19.68	19.65	21.5	0.0	



Reduced Power for DSI 3 for 5G NR DFT-30 for Main PA

n2 Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 372000	Middle Ch. / Freq. 376000	High Ch. / Freq. 380000			
Channel				1850	1850	1900			
Frequency (MHz)									
20	PI/2 BPSK	1	1	21.71	21.83	21.51	23.0	0.0	
20	PI/2 BPSK	1	26	21.70	21.84	21.50	23.0	0.0	
20	PI/2 BPSK	1	49	21.61	21.78	21.60	23.0	0.0	
20	PI/2 BPSK	25	0	21.82	21.77	21.40	23.0	0.0	
20	PI/2 BPSK	25	13	21.81	21.72	21.61	23.0	0.0	
20	PI/2 BPSK	25	26	21.62	21.78	21.43	23.0	0.0	
20	PI/2 BPSK	50	0	21.68	21.88	21.63	23.0	0.0	
20	QPSK	1	1	21.81	21.92	21.61	23.0	0.0	
20	QPSK	1	26	21.59	21.75	21.59	23.0	0.0	
20	QPSK	1	49	21.61	21.84	21.61	23.0	0.0	
20	QPSK	25	0	21.64	21.72	21.59	23.0	0.0	
20	QPSK	25	13	21.75	21.90	21.41	23.0	0.0	
20	QPSK	25	26	21.67	21.85	21.54	23.0	0.0	
20	QPSK	50	0	21.55	21.67	21.56	23.0	0.0	
20	16QAM	1	1	21.64	21.75	21.60	23.0	0.0	
20	64QAM	1	1	20.31	20.31	20.16	21.5	1.5	
20	256QAM	1	1	18.26	18.37	18.03	19.5	3.5	
Channel				371900	376000	380500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1837.5	1850	1920.5			
15	QPSK	1	1	21.71	21.71	21.50	23.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	21.64	21.82	21.61	23.0	0.0	

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 166800	Middle Ch. / Freq. 167300	High Ch. / Freq. 167800			
Channel				834	836.5	839			
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.00	23.05	22.84	24.0	0.0	
20	PI/2 BPSK	1	26	22.90	23.00	22.88	24.0	0.0	
20	PI/2 BPSK	1	49	22.84	22.96	22.84	24.0	0.0	
20	PI/2 BPSK	25	0	22.57	22.62	22.55	23.5	0.5	
20	PI/2 BPSK	25	13	22.91	23.06	23.02	24.0	0.0	
20	PI/2 BPSK	25	26	22.43	22.54	22.46	23.5	0.5	
20	PI/2 BPSK	50	0	22.54	22.63	22.54	23.0	0.0	
20	QPSK	1	1	23.04	23.14	23.10	24.0	0.0	
20	QPSK	1	26	22.93	23.04	22.99	24.0	0.0	
20	QPSK	1	49	22.79	22.90	22.84	24.0	0.0	
20	QPSK	25	0	22.10	22.16	22.13	23.0	1.0	
20	QPSK	25	13	22.95	23.06	22.95	24.0	0.0	
20	QPSK	25	26	22.00	22.03	22.00	23.0	1.0	
20	QPSK	50	0	22.06	22.11	21.97	23.0	1.0	
20	16QAM	1	1	21.69	21.76	21.70	23.0	1.0	
20	64QAM	1	1	20.14	20.19	20.15	21.5	2.5	
20	256QAM	1	1	18.63	18.75	18.69	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.98	23.08	23.03	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.90	23.01	22.96	24.0	0.0	



### n7 Ant2 Default

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.92	23.02	22.87	24.0	0.0
20	PI/2 BPSK	1	26	22.81	22.96	22.84		
20	PI/2 BPSK	1	49	22.87	22.91	22.78		
20	PI/2 BPSK	25	0	22.38	22.52	22.47	23.5	0.5
20	PI/2 BPSK	25	13	22.97	23.01	22.95	24.0	0.0
20	PI/2 BPSK	25	26	22.50	22.54	22.40	23.5	0.5
20	PI/2 BPSK	50	0	22.45	22.58	22.48		
20	QPSK	1	1	22.97	23.05	23.04	24.0	0.0
20	QPSK	1	26	22.92	23.02	22.88		
20	QPSK	1	49	22.88	22.94	22.85		
20	QPSK	25	0	21.98	22.01	21.91	23.0	1.0
20	QPSK	25	13	22.98	23.03	22.91	24.0	0.0
20	QPSK	25	26	21.98	22.07	21.96	23.0	1.0
20	QPSK	50	0	22.02	22.11	21.97		
20	16QAM	1	1	21.53	21.64	21.49	23.0	1.0
20	64QAM	1	1	20.22	20.28	20.24	21.5	2.5
20	256QAM	1	1	18.83	18.85	18.72	19.5	4.5
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.89	23.00	22.88	24.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.83	22.98	22.84	24.0	0.0



n38 Ant2 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.28	22.30	22.32			
40	PI2 BPSK	1	53	22.97	23.07	22.92	24.0	0.0	
40	PI2 BPSK	1	104	22.49	22.56	22.50			
40	PI2 BPSK	50	0	22.34	22.48	22.45	23.5	0.5	
40	PI2 BPSK	50	28	22.95	23.07	22.93	24.0	0.0	
40	PI2 BPSK	50	56	22.33	22.36	22.24			
40	PI2 BPSK	100	0	22.37	22.49	22.37	23.5	0.5	
40	QPSK	1	1	22.33	22.44	22.41			
40	QPSK	1	53	23.07	23.11	23.02	24.0	0.0	
40	QPSK	1	104	22.49	22.53	22.44			
40	QPSK	50	0	21.75	21.90	21.82	23.0	1.0	
40	QPSK	50	28	22.92	23.03	22.96	24.0	0.0	
40	QPSK	50	56	21.76	21.87	21.77			
40	QPSK	100	0	21.83	21.95	21.86	23.0	1.0	
40	16QAM	1	1	21.08	21.16	21.05	23.0	1.0	
40	64QAM	1	1	19.73	19.83	19.75	21.5	2.5	
40	256QAM	1	1	18.34	18.42	18.32	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.01	22.99	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.97	22.97	22.98	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.02	23.00	22.93	19.0	2.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.03	23.04	22.96	19.0	2.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.99	23.08	22.90	19.0	4.5	

n41 Ant2 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.02	22.06	22.03			
100	PI2 BPSK	1	137	23.06	23.09	22.99	24.0	0.0	
100	PI2 BPSK	1	271	22.01	22.10	22.04			
100	PI2 BPSK	135	0	22.35	22.38	22.27	23.5	0.5	
100	PI2 BPSK	135	69	23.07	23.16	23.13	24.0	0.0	
100	PI2 BPSK	135	138	22.26	22.37	22.24			
100	PI2 BPSK	270	0	22.32	22.44	22.35	23.5	0.5	
100	QPSK	1	1	22.03	22.11	22.07			
100	QPSK	1	137	23.16	23.21	22.96	24.0	0.0	
100	QPSK	1	271	22.10	22.14	22.11			
100	QPSK	135	0	21.83	21.90	21.85	23.0	1.0	
100	QPSK	135	69	23.01	23.12	23.09	24.0	0.0	
100	QPSK	135	138	21.74	21.87	21.74			
100	QPSK	270	0	21.81	21.95	21.84	23.0	1.0	
100	16QAM	1	1	21.18	21.23	21.13	23.0	1.0	
100	64QAM	1	1	19.68	19.74	19.66	21.5	2.5	
100	256QAM	1	1	18.23	18.31	18.26	19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.05	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.08	23.17	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.05	23.10	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.11	23.13	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.01	23.08	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.04	23.06	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.12	23.09	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.09	23.18	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.12	23.15	22.86	24.0	0.0	

Part270 n77 Ant2 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)									
100	PI2 BPSK	1	1	19.20	19.63	19.59			
100	PI2 BPSK	1	137	19.20	19.76	19.58	20.0	0.0	
100	PI2 BPSK	1	271	19.36	19.82	19.84			
100	PI2 BPSK	135	0	19.40	19.65	19.70	20.0	0.0	
100	PI2 BPSK	135	69	19.37	19.75	19.73	20.0	0.0	
100	PI2 BPSK	135	138	19.19	19.71	19.52			
100	PI2 BPSK	270	0	19.35	19.81	19.82	20.0	0.0	
100	QPSK	1	1	19.39	19.80	19.72			
100	QPSK	1	137	19.30	19.82	19.74	20.0	0.0	
100	QPSK	1	271	19.25	19.72	19.80			
100	QPSK	135	0	19.23	19.65	19.75	20.0	0.0	
100	QPSK	135	69	19.20	19.78	19.62	20.0	0.0	
100	QPSK	135	138	19.25	19.64	19.72			
100	QPSK	270	0	19.25	19.75	19.54	20.0	0.0	
100	16QAM	1	1	19.25	19.67	19.64	20.0	0.0	
100	64QAM	1	1	19.46	19.53	19.40	20.0	0.0	
100	256QAM	1	1	19.22	19.40	19.33	20.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.32	19.76	19.59	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.20	19.81	19.68	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.22	19.70	19.59	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.26	19.70	19.59	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.19	19.80	19.70	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.32	19.70	19.60	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.29	19.72	19.61	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.28	19.69	19.58	20.0	0.0	





**Part27Q n77 Ant2 DSI3**

EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.43	3500.01			
100	PI2 BPSK	1	137	19.47			20.0	0.0
100	PI2 BPSK	1	271	19.42				
100	PI2 BPSK	135	0	19.52			20.0	0.0
100	PI2 BPSK	135	69	19.52			20.0	0.0
100	PI2 BPSK	135	138	19.51			20.0	0.0
100	PI2 BPSK	270	0	19.40				
100	QPSK	1	1	19.50			20.0	0.0
100	QPSK	1	137	19.53				
100	QPSK	1	271	19.47				
100	QPSK	135	0	19.49			20.0	0.0
100	QPSK	135	69	19.56			20.0	0.0
100	QPSK	135	138	19.41			20.0	0.0
100	QPSK	270	0	19.50				
100	16QAM	1	1	19.52			20.0	0.0
100	16QAM	1	1	19.42			20.0	0.0
100	256QAM	1	1	19.44			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.38	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.34	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.23	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.20	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.20	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.27	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.13	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.38	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)

**PC3 Part27O n78 Ant2 DSI3**

EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.55	3750			
100	PI2 BPSK	1	137	20.07			21.5	0.0
100	PI2 BPSK	1	271	19.60				
100	PI2 BPSK	135	0	20.13			21.5	0.0
100	PI2 BPSK	135	69	20.27			21.5	0.0
100	PI2 BPSK	135	138	20.17			21.5	0.0
100	PI2 BPSK	270	0	20.22				
100	QPSK	1	1	19.59			21.5	0.0
100	QPSK	1	137	20.41				
100	QPSK	1	271	19.54				
100	QPSK	135	0	19.93			21.5	0.0
100	QPSK	135	69	20.38			21.5	0.0
100	QPSK	135	138	20.04			21.5	0.0
100	QPSK	270	0	20.09				
100	16QAM	1	1	19.76			21.5	0.0
100	16QAM	1	1	19.82			21.5	0.0
100	256QAM	1	1	19.86			21.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.16	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.23	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.19	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.11	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.14	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.13	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.29	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.11	3750	3755.02	Tune-up limit (dBm)	MPR (dB)

**PC2 Part27O n78 Ant2 DSI3**

EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.61	3750			
100	PI2 BPSK	1	137	22.41			23.5	0.0
100	PI2 BPSK	1	271	21.81				
100	PI2 BPSK	135	0	21.71			23.5	0.0
100	PI2 BPSK	135	69	22.36			23.5	0.0
100	PI2 BPSK	135	138	21.70			23.5	0.0
100	PI2 BPSK	270	0	21.95				
100	QPSK	1	1	21.53			23.5	0.0
100	QPSK	1	137	22.20				
100	QPSK	1	271	21.74				
100	QPSK	135	0	21.84			23.5	0.0
100	QPSK	135	69	22.34			23.5	0.0
100	QPSK	135	138	21.88			23.5	0.0
100	QPSK	270	0	21.90				
100	16QAM	1	1	21.79			23.5	0.0
100	16QAM	1	1	21.85			23.5	0.0
100	256QAM	1	1	20.61			22.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.10	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.27	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.22	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.20	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.29	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.28	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.20	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.29	3750	3755.02	Tune-up limit (dBm)	MPR (dB)



PC3 Part27Q n78 Ant2 DSI3									
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	Pl2 BPSK	1	1	19.53	350.01				
100	Pl2 BPSK	1	137	20.27			21.5	0.0	
100	Pl2 BPSK	1	271	19.53					
100	Pl2 BPSK	135	0	19.55			21.5	0.0	
100	Pl2 BPSK	135	69	20.16			21.5	0.0	
100	Pl2 BPSK	135	138	19.74			21.5	0.0	
100	Pl2 BPSK	270	0	19.87					
100	QPSK	1	1	19.59					
100	QPSK	1	137	20.35			21.5	0.0	
100	QPSK	1	271	19.62					
100	QPSK	135	0	19.81			21.5	0.0	
100	QPSK	135	69	20.25			21.5	0.0	
100	QPSK	135	138	20.13			21.5	0.0	
100	QPSK	270	0	20.07					
100	16QAM	1	1	20.12			21.5	0.0	
100	16QAM	1	1	19.82			21.5	0.0	
100	256QAM	1	1	19.57			21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.05	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.09	350.01	351.0	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.05	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.12	350.01	352.5	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.14	350.01	350.01	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.11	350.01	350.168	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.59	350.01	352.52	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.13	350.01	354.01	21.5	0.0	

PC2 Part27Q n78 Ant2 DSI3									
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	Pl2 BPSK	1	1	21.57	350.01				
100	Pl2 BPSK	1	137	22.03			23.5	0.0	
100	Pl2 BPSK	1	271	21.56					
100	Pl2 BPSK	135	0	21.77			23.5	0.0	
100	Pl2 BPSK	135	69	21.96			23.5	0.0	
100	Pl2 BPSK	135	138	21.81			23.5	0.0	
100	Pl2 BPSK	270	0	21.55					
100	QPSK	1	1	21.85					
100	QPSK	1	137	22.16			23.5	0.0	
100	QPSK	1	271	21.71					
100	QPSK	135	0	21.70			23.5	0.0	
100	QPSK	135	69	22.15			23.5	0.0	
100	QPSK	135	138	21.86			23.5	0.0	
100	QPSK	270	0	21.85					
100	16QAM	1	1	22.10			23.5	0.0	
100	16QAM	1	1	21.83			23.5	0.0	
100	256QAM	1	1	20.99			23.5	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.55	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.62	350.01	351.0	23.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.59	350.01	350.02	23.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.58	350.01	352.5	23.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.53	350.01	350.01	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.62	350.01	350.168	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.71	350.01	352.52	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.55	350.01	354.01	23.5	0.0	



### Part27Q n77 Ant4 DSI3

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.63	20.74	20.95		
100	PI2 BPSK	1	137	20.66	20.75	20.56	21.0	0.0
100	PI2 BPSK	1	271	20.78	20.90	20.52		
100	PI2 BPSK	135	0	20.70	20.86	20.90	21.0	0.0
100	PI2 BPSK	135	69	20.61	20.76	20.83	21.0	0.0
100	PI2 BPSK	135	138	20.59	20.76	20.48		
100	PI2 BPSK	270	0	20.72	20.82	20.54	21.0	0.0
100	QPSK	1	1	20.72	20.82	20.54		
100	QPSK	1	137	20.78	20.92	20.70		
100	QPSK	1	271	20.77	20.70	20.51	21.0	0.0
100	QPSK	135	0	20.77	20.80	20.69	21.0	0.0
100	QPSK	135	69	20.58	20.69	20.55	21.0	0.0
100	QPSK	135	138	20.69	20.86	20.71		
100	QPSK	270	0	20.77	20.80	20.65	21.0	0.0
100	16QAM	1	1	20.80	20.84	20.60	21.0	0.0
100	64QAM	1	1	20.74	20.73	20.67	21.0	0.0
100	256QAM	1	1	18.05	19.13	19.06	21.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.68	20.84	20.54	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.84	20.54	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.84	20.54	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.65	20.67	20.71	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.77	20.71	20.58	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.73	20.86	20.66	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.74	20.74	20.68	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.72	20.75	20.66	21.0	0.0

### Part27Q n77 Ant4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 633000]	Power Middle Ch. [Freq. 633334]	Power High Ch. [Freq. 633000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.08				
100	PI2 BPSK	1	137	20.13			21.0	0.0
100	PI2 BPSK	1	271	20.12				
100	PI2 BPSK	135	0	20.19			21.0	0.0
100	PI2 BPSK	135	69	20.20			21.0	0.0
100	PI2 BPSK	135	138	20.07				
100	PI2 BPSK	270	0	20.12			21.0	0.0
100	QPSK	1	1	20.18				
100	QPSK	1	137	20.22				
100	QPSK	1	271	20.02			21.0	0.0
100	QPSK	135	0	20.03			21.0	0.0
100	QPSK	135	69	20.13			21.0	0.0
100	QPSK	135	138	20.11				
100	QPSK	270	0	20.10			21.0	0.0
100	16QAM	1	1	20.00			21.0	0.0
100	64QAM	1	1	20.18			21.0	0.0
100	256QAM	1	1	19.52			21.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.91	19.95	20.09	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.95	19.92	19.93	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.95	19.97	19.96	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.98	20.13	20.08	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.04	20.04	20.11	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.11	20.04	20.00	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.99	19.98	20.14	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.93	20.14	20.00	21.0	0.0

### PC3 Part27Q n78 Ant4 DSI3

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.85				
100	PI2 BPSK	1	137	18.81			19.5	0.0
100	PI2 BPSK	1	271	18.79				
100	PI2 BPSK	135	0	18.90			19.5	0.0
100	PI2 BPSK	135	69	18.88			19.5	0.0
100	PI2 BPSK	135	138	18.99				
100	PI2 BPSK	270	0	18.84			19.5	0.0
100	QPSK	1	1	18.98				
100	QPSK	1	137	18.90				
100	QPSK	1	271	18.93			19.5	0.0
100	QPSK	135	0	18.80			19.5	0.0
100	QPSK	135	69	18.96			19.5	0.0
100	QPSK	135	138	18.90				
100	QPSK	270	0	18.83			19.5	0.0
100	16QAM	1	1	18.82			19.5	0.0
100	64QAM	1	1	18.81			19.5	0.0
100	256QAM	1	1	18.97			19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.74	18.73	18.82	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.65	18.67	18.74	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.63	18.74	18.83	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.74	18.66	18.80	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.61	18.84	18.72	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.62	18.84	18.67	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.77	18.74	18.60	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.84	18.61	18.72	19.5	0.0



**PC2 Part270 n78 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								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.74	3750			
100	PI2 BPSK	1	137	21.77			22.5	0.0
100	PI2 BPSK	1	271	21.70				
100	PI2 BPSK	135	0	21.72			22.5	0.0
100	PI2 BPSK	135	69	21.73				
100	PI2 BPSK	135	138	21.71			22.5	0.0
100	PI2 BPSK	270	0	21.72				
100	QPSK	1	1	21.69			22.5	0.0
100	QPSK	1	137	21.88				
100	QPSK	1	271	21.69				
100	QPSK	135	0	21.75			22.5	0.0
100	QPSK	135	69	21.85			22.5	0.0
100	QPSK	135	138	21.72				
100	QPSK	270	0	21.74			22.5	0.0
100	16QAM	1	1	21.74			22.5	0.0
100	16QAM	1	1	21.70			22.5	0.0
100	256QAM	1	1	21.86			22.0	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.69	21.49	21.42	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.69	21.49	21.49	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.57	21.48	21.52	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.68	21.61	21.59	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.61	21.67	21.53	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.56	21.69	21.57	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.55	21.55	21.49	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.67	21.56	21.66	22.5	0.0

**PC3 Part27Q n78 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								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.50	3500.01			
100	PI2 BPSK	1	137	18.59			19.5	0.0
100	PI2 BPSK	1	271	18.44				
100	PI2 BPSK	135	0	18.27			19.5	0.0
100	PI2 BPSK	135	69	18.21				
100	PI2 BPSK	135	138	18.69			19.5	0.0
100	PI2 BPSK	270	0	18.50				
100	QPSK	1	1	18.68			19.5	0.0
100	QPSK	1	137	18.80				
100	QPSK	1	271	18.69				
100	QPSK	135	0	18.45			19.5	0.0
100	QPSK	135	69	18.73			19.5	0.0
100	QPSK	135	138	18.72				
100	QPSK	270	0	18.50			19.5	0.0
100	16QAM	1	1	18.51			19.5	0.0
100	16QAM	1	1	18.60			19.5	0.0
100	256QAM	1	1	18.67			19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.49	18.32	18.49	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.30	18.38	18.32	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.43	18.31	18.36	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.52	18.31	18.37	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.34	18.49	18.36	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.31	18.47	18.43	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.30	18.52	18.48	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.37	18.31	18.33	19.5	0.0

**PC2 Part27Q n78 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								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.82	3500.01			
100	PI2 BPSK	1	137	21.89			22.5	0.0
100	PI2 BPSK	1	271	21.74				
100	PI2 BPSK	135	0	21.89			22.5	0.0
100	PI2 BPSK	135	69	21.79				
100	PI2 BPSK	135	138	21.77			22.5	0.0
100	PI2 BPSK	270	0	21.76				
100	QPSK	1	1	21.93			22.5	0.0
100	QPSK	1	137	22.04				
100	QPSK	1	271	21.92				
100	QPSK	135	0	21.79			22.5	0.0
100	QPSK	135	69	21.89			22.5	0.0
100	QPSK	135	138	21.81				
100	QPSK	270	0	21.80			22.5	0.0
100	16QAM	1	1	21.91			22.5	0.0
100	16QAM	1	1	21.93			22.5	0.0
100	256QAM	1	1	21.79			22.0	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.71	21.63	21.71	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.64	21.63	21.64	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.63	21.64	21.61	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.75	21.70	21.67	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.71	21.73	21.64	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.74	21.69	21.80	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.61	21.75	21.62	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.75	21.71	21.64	22.5	0.0



### Part27Q n77 Ant6 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 650000]	Power Middle Ch. [Freq. 656000]	Power High Ch. [Freq. 662000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.07	22.06	22.04		
100	PI2 BPSK	1	137	21.90	21.98	22.03	23.0	0.0
100	PI2 BPSK	1	271	21.87	22.00	22.11		
100	PI2 BPSK	135	0	21.90	22.06	22.10	23.0	0.0
100	PI2 BPSK	135	69	22.06	22.04	22.06	23.0	0.0
100	PI2 BPSK	135	138	21.86	22.09	22.02		
100	PI2 BPSK	270	0	21.88	22.12	22.06	23.0	0.0
100	QPSK	1	1	21.90	22.04	22.08		
100	QPSK	1	137	22.06	22.16	22.12		
100	QPSK	1	271	21.90	22.01	21.93	23.0	0.0
100	QPSK	135	0	21.98	21.93	22.05	23.0	0.0
100	QPSK	135	69	21.91	22.08	21.97	23.0	0.0
100	QPSK	135	138	21.91	21.93	21.94		
100	QPSK	270	0	22.00	22.05	22.04	23.0	0.0
100	16QAM	1	1	22.00	22.11	22.06	23.0	0.0
100	64QAM	1	1	19.51	19.53	19.58	21.5	1.5
100	256QAM	1	1	18.15	18.33	18.15	18.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.88	22.00	22.12	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.88	22.11	21.94	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.93	21.99	22.08	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.88	22.05	22.14	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.03	22.14	21.94	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.99	22.13	22.05	23.0	0.0

### Part27Q n77 Ant6 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 630000]	Power Middle Ch. [Freq. 633334]	Power High Ch. [Freq. 636668]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.25	22.25	22.25		
100	PI2 BPSK	1	137	22.26	22.26	22.26	23.0	0.0
100	PI2 BPSK	1	271	22.25	22.25	22.25		
100	PI2 BPSK	135	0	22.17	22.17	22.17	23.0	0.0
100	PI2 BPSK	135	69	22.25	22.25	22.25	23.0	0.0
100	PI2 BPSK	135	138	22.19	22.19	22.19		
100	PI2 BPSK	270	0	22.14	22.14	22.14	23.0	0.0
100	QPSK	1	1	22.32	22.32	22.32		
100	QPSK	1	137	22.36	22.36	22.36		
100	QPSK	1	271	22.33	22.33	22.33	23.0	0.0
100	QPSK	135	0	21.90	21.90	21.90	23.0	0.0
100	QPSK	135	69	22.33	22.33	22.33	23.0	0.0
100	QPSK	135	138	21.83	21.83	21.83		
100	QPSK	270	0	22.25	22.25	22.25	23.0	0.0
100	16QAM	1	1	21.22	21.22	21.22	23.0	0.0
100	64QAM	1	1	19.62	19.62	19.62	21.5	1.5
100	256QAM	1	1	18.16	18.16	18.16	18.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.02	22.06	22.15	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.11	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.11	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.99	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.04	21.99	22.10	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.13	21.95	21.94	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.09	22.04	22.10	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.99	22.10	21.96	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.12	21.95	21.96	23.0	0.0

### PC3 Part27Q n78 Ant6 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 648668]	Power Middle Ch. [Freq. 650000]	Power High Ch. [Freq. 651334]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.03	21.03	21.03		
100	PI2 BPSK	1	137	21.51	21.51	21.51	23.0	0.0
100	PI2 BPSK	1	271	21.51	21.51	21.51		
100	PI2 BPSK	135	0	21.70	21.70	21.70	23.0	0.0
100	PI2 BPSK	135	69	21.81	21.81	21.81	23.0	0.0
100	PI2 BPSK	135	138	21.87	21.87	21.87		
100	PI2 BPSK	270	0	21.54	21.54	21.54	23.0	0.0
100	QPSK	1	1	21.48	21.48	21.48		
100	QPSK	1	137	21.73	21.73	21.73		
100	QPSK	1	271	21.88	21.88	21.88	23.0	0.0
100	QPSK	135	0	21.81	21.81	21.81	23.0	0.0
100	QPSK	135	69	21.85	21.85	21.85	23.0	0.0
100	QPSK	135	138	21.81	21.81	21.81		
100	QPSK	270	0	21.80	21.80	21.80	23.0	0.0
100	16QAM	1	1	21.87	21.87	21.87	23.0	0.0
100	64QAM	1	1	21.70	21.70	21.70	23.0	0.0
100	256QAM	1	1	20.54	20.54	20.54	22.5	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.59	21.51	21.45	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.59	21.62	21.54	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.59	21.62	21.54	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.56	21.42	21.46	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.58	21.60	21.57	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.60	21.45	21.41	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.55	21.58	21.51	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.53	21.44	21.57	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.41	21.40	21.59	23.0	0.0



**PC2 Part270 n78 Ant6 DSI3**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	24.28	3750			
100	PI2 BPSK	1	137	24.68			26.0	0.0
100	PI2 BPSK	1	271	24.50				
100	PI2 BPSK	135	0	24.63			26.0	0.0
100	PI2 BPSK	135	69	24.32			26.0	0.0
100	PI2 BPSK	135	138	24.50			26.0	0.0
100	PI2 BPSK	270	0	24.56			26.0	0.0
100	QPSK	1	1	24.44			26.0	0.0
100	QPSK	1	137	24.88				
100	QPSK	1	271	24.54				
100	QPSK	135	0	24.63			26.0	0.0
100	QPSK	135	69	24.65			26.0	0.0
100	QPSK	135	138	24.48			26.0	0.0
100	QPSK	270	0	24.58			26.0	0.0
100	16QAM	1	1	24.22			26.0	0.0
100	64QAM	1	1	22.55			24.5	1.5
100	256QAM	1	1	20.51			22.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.40	24.28	24.42	26.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.29	24.45	24.47	26.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.33	24.37	24.44	26.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.30	24.43	24.44	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.30	24.43	24.32	26.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.36	24.31	24.34	26.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.44	24.42	24.45	26.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.31	24.26	24.43	26.0	0.0

**PC3 Part27Q n78 Ant6 DSI3**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.63	3500.01			
100	PI2 BPSK	1	137	21.65			23.0	0.0
100	PI2 BPSK	1	271	21.75				
100	PI2 BPSK	135	0	21.66			23.0	0.0
100	PI2 BPSK	135	69	21.55			23.0	0.0
100	PI2 BPSK	135	138	21.58			23.0	0.0
100	PI2 BPSK	270	0	21.73			23.0	0.0
100	QPSK	1	1	21.74			23.0	0.0
100	QPSK	1	137	21.76				
100	QPSK	1	271	21.58				
100	QPSK	135	0	21.65			23.0	0.0
100	QPSK	135	69	21.68			23.0	0.0
100	QPSK	135	138	21.64			23.0	0.0
100	QPSK	270	0	21.57			23.0	0.0
100	16QAM	1	1	21.74			23.0	0.0
100	64QAM	1	1	21.62			23.0	0.0
100	256QAM	1	1	20.63			22.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.35	21.58	21.39	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.58	21.53	21.57	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.48	21.50	21.44	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.55	21.52	21.44	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.59	21.57	21.42	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.41	21.53	21.46	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.53	21.49	21.41	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.49	21.47	21.47	23.0	0.0

**PC2 Part27Q n78 Ant6 DSI3**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	24.58	3500.01			
100	PI2 BPSK	1	137	24.58			26.0	0.0
100	PI2 BPSK	1	271	24.49				
100	PI2 BPSK	135	0	24.51			26.0	0.0
100	PI2 BPSK	135	69	24.49			26.0	0.0
100	PI2 BPSK	135	138	24.71			26.0	0.0
100	PI2 BPSK	270	0	24.58			26.0	0.0
100	QPSK	1	1	24.49			26.0	0.0
100	QPSK	1	137	24.73				
100	QPSK	1	271	24.48				
100	QPSK	135	0	24.68			26.0	0.0
100	QPSK	135	69	24.70			26.0	0.0
100	QPSK	135	138	24.49			26.0	0.0
100	QPSK	270	0	24.61			26.0	0.0
100	16QAM	1	1	24.56			26.0	0.0
100	64QAM	1	1	22.66			24.5	1.5
100	256QAM	1	1	20.55			22.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.45	24.60	24.52	26.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.43	24.46	24.46	26.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.55	24.49	24.49	26.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.60	24.44	24.45	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.59	24.41	24.35	26.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.60	24.39	24.38	26.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.47	24.53	24.53	26.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.40	24.55	24.41	26.0	0.0



n2 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				37200	37600	38000			
Frequency (MHz)				1890	1890	1900			
20	PI/2 BPSK	1	1	20.72	20.75	20.62			
20	PI/2 BPSK	1	26	20.63	20.71	20.64	22.0	0.0	
20	PI/2 BPSK	1	49	20.55	20.68	20.58			
20	PI/2 BPSK	25	0	20.03	20.18	20.07	21.5	0.5	
20	PI/2 BPSK	25	13	20.70	20.73	20.63	22.0	0.0	
20	PI/2 BPSK	25	26	20.08	20.20	20.08			
20	PI/2 BPSK	50	0	20.20	20.27	20.15	21.5	0.5	
20	QPSK	1	1	20.76	20.83	20.71			
20	QPSK	1	26	20.69	20.79	20.73	22.0	0.0	
20	QPSK	1	49	20.52	20.58	20.55			
20	QPSK	25	0	19.98	19.71	19.67	21.0	1.0	
20	QPSK	25	13	20.68	20.76	20.73	22.0	0.0	
20	QPSK	25	26	19.68	19.68	19.57			
20	QPSK	50	0	19.61	19.72	19.59	21.0	1.0	
20	16QAM	1	1	19.41	19.48	19.41	21.0	1.0	
20	64QAM	1	1	18.08	18.14	18.03	19.5	2.5	
20	256QAM	1	1	16.61	16.68	16.54	17.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1890	1902.5			
15	QPSK	1	1	20.65	20.80	20.57	22.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1890	1905			
10	QPSK	1	1	20.68	20.71	20.63	22.0	0.0	

n5 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				16800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	21.68	21.73	21.70			
20	PI/2 BPSK	1	26	21.52	21.57	21.45	23.0	0.0	
20	PI/2 BPSK	1	49	21.46	21.54	21.48			
20	PI/2 BPSK	25	0	21.14	21.23	21.18	22.5	0.5	
20	PI/2 BPSK	25	13	21.66	21.69	21.54	23.0	0.0	
20	PI/2 BPSK	25	26	21.09	21.24	21.15			
20	PI/2 BPSK	50	0	21.15	21.29	21.15	22.5	0.5	
20	QPSK	1	1	21.71	21.76	21.63			
20	QPSK	1	26	21.60	21.65	21.57	23.0	0.0	
20	QPSK	1	49	21.44	21.50	21.43			
20	QPSK	25	0	20.60	20.75	20.65	22.0	1.0	
20	QPSK	25	13	21.60	21.70	21.62	23.0	0.0	
20	QPSK	25	26	20.54	20.66	20.58			
20	QPSK	50	0	20.69	20.73	20.62	22.0	1.0	
20	16QAM	1	1	20.29	20.41	20.38	22.0	1.0	
20	64QAM	1	1	18.78	18.82	18.89	20.5	2.5	
20	256QAM	1	1	17.40	17.52	17.46	18.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	21.62	21.71	21.53	23.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.66	21.69	21.49	23.0	0.0	



### Part270 n77 Ant11 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 650000]	Power Middle Ch. [Freq. 656000]	Power High Ch. [Freq. 662000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.37	19.47	19.54		
100	Pi2 BPSK	1	137	19.48	19.38	19.20	20.0	0.0
100	Pi2 BPSK	1	271	19.32	19.46	19.36		
100	Pi2 BPSK	136	0	19.40	19.52	19.22	20.0	0.0
100	Pi2 BPSK	136	69	19.38	19.34	19.35	20.0	0.0
100	Pi2 BPSK	136	138	19.31	19.41	19.20	20.0	0.0
100	Pi2 BPSK	270	0	19.48	19.45	19.34		
100	QPSK	1	1	19.32	19.52	19.36		
100	QPSK	1	137	19.53	19.37	19.36	20.0	0.0
100	QPSK	1	271	19.51	19.49	19.25		
100	QPSK	136	0	19.36	19.45	19.22	20.0	0.0
100	QPSK	136	69	19.46	19.51	19.26	20.0	0.0
100	QPSK	136	138	19.48	19.34	19.33	20.0	0.0
100	QPSK	270	0	19.33	19.43	19.30		
100	16QAM	1	1	19.44	19.56	19.22	20.0	0.0
100	64QAM	1	1	19.43	19.40	19.37	20.0	0.0
100	256QAM	1	1	19.57	19.62	19.78	20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.37	19.56	19.28	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.33	19.51	19.29	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.45	19.40	19.35	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.36	19.53	19.28	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.42	19.52	19.21	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.53	19.33	19.35	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.51	19.42	19.22	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.31	19.50	19.27	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.45	19.41	19.21	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.44	19.45	19.30	20.0	0.0

### Part27Q n77 Ant11 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 633000]	Power Middle Ch. [Freq. 633334]	Power High Ch. [Freq. 633668]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.83				
100	Pi2 BPSK	1	137	19.85			20.0	0.0
100	Pi2 BPSK	1	271	19.81				
100	Pi2 BPSK	136	0	19.73			20.0	0.0
100	Pi2 BPSK	136	69	19.80			20.0	0.0
100	Pi2 BPSK	136	138	19.86			20.0	0.0
100	Pi2 BPSK	270	0	19.81				
100	QPSK	1	1	19.85				
100	QPSK	1	137	19.90			20.0	0.0
100	QPSK	1	271	19.82				
100	QPSK	136	0	19.71			20.0	0.0
100	QPSK	136	69	19.83			20.0	0.0
100	QPSK	136	138	19.77			20.0	0.0
100	QPSK	270	0	19.71				
100	16QAM	1	1	19.85			20.0	0.0
100	64QAM	1	1	19.75			20.0	0.0
100	256QAM	1	1	19.83			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.57	19.66	19.69	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.61	19.57	19.79	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.72	19.75	19.74	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.71	19.56	19.89	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.74	19.66	19.73	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.67	19.77	19.86	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.62	19.58	19.62	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.77	19.75	19.72	20.0	0.0

### PC3 Part270 n78 Ant11 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 648668]	Power Middle Ch. [Freq. 650000]	Power High Ch. [Freq. 651334]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.34				
100	Pi2 BPSK	1	137	18.37			19.0	0.0
100	Pi2 BPSK	1	271	18.38				
100	Pi2 BPSK	136	0	18.47			19.0	0.0
100	Pi2 BPSK	136	69	18.34			19.0	0.0
100	Pi2 BPSK	136	138	18.25			19.0	0.0
100	Pi2 BPSK	270	0	18.39				
100	QPSK	1	1	18.32				
100	QPSK	1	137	18.50			19.0	0.0
100	QPSK	1	271	18.38				
100	QPSK	136	0	18.27			19.0	0.0
100	QPSK	136	69	18.42			19.0	0.0
100	QPSK	136	138	18.34			19.0	0.0
100	QPSK	270	0	18.31				
100	16QAM	1	1	18.36			19.0	0.0
100	64QAM	1	1	18.44			19.0	0.0
100	256QAM	1	1	18.36			19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.29	18.34	18.32	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.28	18.35	18.16	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.18	18.18	18.23	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.21	18.29	18.20	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.21	18.26	18.14	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.27	18.33	18.21	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.27	18.13	18.25	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.33	18.15	18.23	19.0	0.0





PC2 Part270 n78 Ant11 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.82	20.82	20.82			
100	PI2 BPSK	1	137	21.08	21.08	21.08	22.0	0.0	
100	PI2 BPSK	1	271	21.08	21.08	21.08			
100	PI2 BPSK	135	0	21.07	21.07	21.07	22.0	0.0	
100	PI2 BPSK	135	69	20.99	20.99	20.99	22.0	0.0	
100	PI2 BPSK	135	138	20.91	20.91	20.91	22.0	0.0	
100	PI2 BPSK	270	0	20.98	20.98	20.98			
100	QPSK	1	1	20.97	20.97	20.97			
100	QPSK	1	137	21.13	21.13	21.13	22.0	0.0	
100	QPSK	1	271	21.04	21.04	21.04			
100	QPSK	135	0	20.94	20.94	20.94	22.0	0.0	
100	QPSK	135	69	21.08	21.08	21.08	22.0	0.0	
100	QPSK	135	138	21.01	21.01	21.01	22.0	0.0	
100	QPSK	270	0	20.91	20.91	20.91	22.0	0.0	
100	16QAM	1	1	21.11	21.11	21.11	22.0	0.0	
100	64QAM	1	1	21.11	21.11	21.11	22.0	0.0	
100	256QAM	1	1	20.82	20.82	20.82	22.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64834	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.98	20.80	20.82	22.0	0.0	

PC3 Part27Q n78 Ant11 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.57	17.57	17.57			
100	PI2 BPSK	1	137	17.44	17.44	17.44	19.0	0.0	
100	PI2 BPSK	1	271	17.48	17.48	17.48			
100	PI2 BPSK	135	0	17.76	17.76	17.76	19.0	0.0	
100	PI2 BPSK	135	69	17.49	17.49	17.49	19.0	0.0	
100	PI2 BPSK	135	138	17.38	17.38	17.38	19.0	0.0	
100	PI2 BPSK	270	0	17.54	17.54	17.54			
100	QPSK	1	1	17.47	17.47	17.47			
100	QPSK	1	137	17.79	17.79	17.79	19.0	0.0	
100	QPSK	1	271	17.47	17.47	17.47			
100	QPSK	135	0	17.53	17.53	17.53	19.0	0.0	
100	QPSK	135	69	17.75	17.75	17.75	19.0	0.0	
100	QPSK	135	138	17.63	17.63	17.63	19.0	0.0	
100	QPSK	270	0	17.55	17.55	17.55	19.0	0.0	
100	16QAM	1	1	17.64	17.64	17.64	19.0	0.0	
100	64QAM	1	1	17.75	17.75	17.75	19.0	0.0	
100	256QAM	1	1	17.55	17.55	17.55	19.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63008	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3465.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.42	17.48	17.57	19.0	0.0	

PC2 Part27Q n78 Ant11 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.08	20.08	20.08			
100	PI2 BPSK	1	137	20.24	20.24	20.24	22.0	0.0	
100	PI2 BPSK	1	271	20.25	20.25	20.25			
100	PI2 BPSK	135	0	20.20	20.20	20.20	22.0	0.0	
100	PI2 BPSK	135	69	20.13	20.13	20.13	22.0	0.0	
100	PI2 BPSK	135	138	20.04	20.04	20.04	22.0	0.0	
100	PI2 BPSK	270	0	20.02	20.02	20.02			
100	QPSK	1	1	20.15	20.15	20.15			
100	QPSK	1	137	20.25	20.25	20.25	22.0	0.0	
100	QPSK	1	271	20.08	20.08	20.08			
100	QPSK	135	0	20.07	20.07	20.07	22.0	0.0	
100	QPSK	135	69	20.20	20.20	20.20	22.0	0.0	
100	QPSK	135	138	20.13	20.13	20.13	22.0	0.0	
100	QPSK	270	0	20.12	20.12	20.12	22.0	0.0	
100	16QAM	1	1	20.24	20.24	20.24	22.0	0.0	
100	64QAM	1	1	20.34	20.34	20.34	22.0	0.0	
100	256QAM	1	1	20.07	20.07	20.07	22.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63008	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3465.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.13	20.10	20.09	22.0	0.0	



Reduced Power for DSI 4 for 5G NR DFT-30 for Main PA

n2 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 372000	Middle Ch. / Freq. 376000	High Ch. / Freq. 380000			
Channel				1950	1950	1950			
Frequency (MHz)				22.78	22.82	22.70			
20	PI/2 BPSK	1	1	22.78	22.82	22.70	24.0	0.0	
20	PI/2 BPSK	1	26	22.59	22.73	22.65			
20	PI/2 BPSK	1	49	22.63	22.68	22.56			
20	PI/2 BPSK	25	0	22.16	22.31	22.20	23.5	0.5	
20	PI/2 BPSK	25	13	22.77	22.81	22.73	24.0	0.0	
20	PI/2 BPSK	25	26	22.11	22.23	22.15			
20	PI/2 BPSK	50	0	22.20	22.29	22.24	23.5	0.5	
20	QPSK	1	1	22.83	22.88	22.78			
20	QPSK	1	26	22.73	22.76	22.64	24.0	0.0	
20	QPSK	1	49	22.63	22.71	22.58			
20	QPSK	25	0	21.68	21.78	21.71	23.0	1.0	
20	QPSK	25	13	22.74	22.85	22.78	24.0	0.0	
20	QPSK	25	26	21.59	21.74	21.62	23.0	1.0	
20	QPSK	50	0	21.74	21.81	21.75			
20	16QAM	1	1	21.43	21.51	21.44	23.0	1.0	
20	64QAM	1	1	20.12	20.16	20.08	21.5	2.5	
20	256QAM	1	1	18.63	18.70	18.57	19.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1827.5	1830	1822.5			
15	QPSK	1	1	22.76	22.85	22.70	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1805			
10	QPSK	1	1	22.79	22.81	22.64	24.0	0.0	

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 166800	Middle Ch. / Freq. 167300	High Ch. / Freq. 167800			
Channel				834	836.5	839			
Frequency (MHz)				23.00	23.05	22.94			
20	PI/2 BPSK	1	1	23.00	23.05	22.94	24.0	0.0	
20	PI/2 BPSK	1	26	22.90	23.00	22.88			
20	PI/2 BPSK	1	49	22.84	22.96	22.84			
20	PI/2 BPSK	25	0	22.57	22.62	22.55	23.5	0.5	
20	PI/2 BPSK	25	13	22.91	23.06	23.02	24.0	0.0	
20	PI/2 BPSK	25	26	22.43	22.54	22.46			
20	PI/2 BPSK	50	0	22.54	22.63	22.54	23.5	0.5	
20	QPSK	1	1	23.04	23.14	23.10			
20	QPSK	1	26	22.93	23.04	22.99	24.0	0.0	
20	QPSK	1	49	22.79	22.90	22.84			
20	QPSK	25	0	22.10	22.16	22.13	23.0	1.0	
20	QPSK	25	13	22.95	23.06	22.95	24.0	0.0	
20	QPSK	25	26	22.00	22.03	22.00	23.0	1.0	
20	QPSK	50	0	22.06	22.11	21.97			
20	16QAM	1	1	21.69	21.76	21.70	23.0	1.0	
20	64QAM	1	1	20.14	20.19	20.15	21.5	2.5	
20	256QAM	1	1	18.63	18.75	18.69	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.98	23.08	23.03	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.90	23.01	22.96	24.0	0.0	



### n7 Ant2 Default

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.92	23.02	22.87	24.0	0.0
20	PI/2 BPSK	1	26	22.81	22.96	22.84		
20	PI/2 BPSK	1	49	22.87	22.91	22.78		
20	PI/2 BPSK	25	0	22.38	22.52	22.47	23.5	0.5
20	PI/2 BPSK	25	13	22.97	23.01	22.95	24.0	0.0
20	PI/2 BPSK	25	26	22.50	22.54	22.40	23.5	0.5
20	PI/2 BPSK	50	0	22.45	22.58	22.48		
20	QPSK	1	1	22.97	23.05	23.04	24.0	0.0
20	QPSK	1	26	22.92	23.02	22.88		
20	QPSK	1	49	22.88	22.94	22.85		
20	QPSK	25	0	21.98	22.01	21.91	23.0	1.0
20	QPSK	25	13	22.98	23.03	22.91	24.0	0.0
20	QPSK	25	26	21.98	22.07	21.96	23.0	1.0
20	QPSK	50	0	22.02	22.11	21.97		
20	16QAM	1	1	21.53	21.64	21.49	23.0	1.0
20	64QAM	1	1	20.22	20.28	20.24	21.5	2.5
20	256QAM	1	1	18.83	18.85	18.72	19.5	4.5
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.89	23.00	22.88	24.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.83	22.98	22.84	24.0	0.0



### n38 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	22.28	22.30	22.38		
40	PI2 BPSK	1	53	22.97	23.07	22.92	24.0	0.0
40	PI2 BPSK	1	104	22.49	22.56	22.50		
40	PI2 BPSK	50	0	22.34	22.48	22.45	23.5	0.5
40	PI2 BPSK	50	28	22.95	23.07	22.93	24.0	0.0
40	PI2 BPSK	50	56	22.33	22.36	22.24		
40	PI2 BPSK	100	0	22.37	22.49	22.37	23.5	0.5
40	QPSK	1	1	22.33	22.44	22.41		
40	QPSK	1	53	23.07	23.11	23.02	24.0	0.0
40	QPSK	1	104	22.49	22.53	22.44		
40	QPSK	50	0	21.75	21.90	21.82	23.0	1.0
40	QPSK	50	28	22.92	23.03	22.96	24.0	0.0
40	QPSK	50	56	21.78	21.87	21.77		
40	QPSK	100	0	21.83	21.95	21.86	23.0	1.0
40	16QAM	1	1	21.08	21.16	21.05	23.0	1.0
40	64QAM	1	1	19.73	19.83	19.75	21.5	2.5
40	ZS9GAM	1	1	18.34	18.42	18.34	18.5	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.01	22.99	22.97	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.97	22.97	22.98	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.02	23.00	22.93	19.0	2.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.03	23.04	22.95	19.0	2.5
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.99	23.08	22.90	15.0	4.5

### n41 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.02	22.08	22.03		
100	PI2 BPSK	1	137	23.06	23.09	22.99	24.0	0.0
100	PI2 BPSK	1	271	22.01	22.10	22.04		
100	PI2 BPSK	135	0	22.35	22.38	22.27	23.5	0.5
100	PI2 BPSK	135	69	23.07	23.16	23.13	24.0	0.0
100	PI2 BPSK	135	138	22.26	22.37	22.24		
100	PI2 BPSK	270	0	22.32	22.44	22.35	23.5	0.5
100	QPSK	1	1	22.03	22.11	22.07		
100	QPSK	1	137	23.16	23.21	22.96	24.0	0.0
100	QPSK	1	271	22.10	22.14	22.11		
100	QPSK	135	0	21.83	21.90	21.85	23.0	1.0
100	QPSK	135	69	23.01	23.12	23.09	24.0	0.0
100	QPSK	135	138	21.74	21.87	21.74		
100	QPSK	270	0	21.81	21.95	21.84	23.0	1.0
100	16QAM	1	1	21.18	21.23	21.13	23.0	1.0
100	64QAM	1	1	19.88	19.74	19.86	21.5	2.5
100	ZS9GAM	1	1	18.23	18.31	18.26	18.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.05	23.08	22.93	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.08	23.17	22.88	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.05	23.10	22.93	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.11	23.13	22.94	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.01	23.08	22.86	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.04	23.06	22.85	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.12	23.09	22.84	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.09	23.18	22.94	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.12	23.15	22.86	24.0	0.0

### Part270 n77 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.14	23.55	24.02		
100	PI2 BPSK	1	137	24.26	24.76	24.70	25.0	0.0
100	PI2 BPSK	1	271	23.16	23.90	23.78		
100	PI2 BPSK	135	0	23.65	24.03	23.95	24.5	0.5
100	PI2 BPSK	135	69	24.23	24.83	24.59	25.0	0.0
100	PI2 BPSK	135	138	23.87	24.30	24.24		
100	PI2 BPSK	270	0	23.79	24.30	24.23	24.5	0.5
100	QPSK	1	1	23.20	23.55	24.08		
100	QPSK	1	137	24.31	24.76	24.72	25.0	0.0
100	QPSK	1	271	23.13	23.56	23.81		
100	QPSK	135	0	23.14	23.62	23.58	24.0	1.0
100	QPSK	135	69	24.30	24.84	24.61	25.0	0.0
100	QPSK	135	138	23.26	23.69	23.56		
100	QPSK	270	0	23.28	23.78	23.73	24.0	1.0
100	16QAM	1	1	22.54	22.89	22.84	24.0	1.0
100	64QAM	1	1	21.09	21.59	21.51	22.5	2.5
100	ZS9GAM	1	1	19.58	19.88	19.67	20.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.21	24.75	24.59	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.25	24.67	24.67	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.28	24.84	24.65	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.21	24.69	24.59	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.21	24.74	24.58	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.23	24.71	24.67	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.22	24.66	24.58	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.18	24.69	24.60	25.0	0.0



### Part27Q n77 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.29	23.29			
100	PI2 BPSK	1	137	24.44	24.44		25.0	0.0
100	PI2 BPSK	1	271	23.29	23.29			
100	PI2 BPSK	135	0	23.69	23.69		25.0	0.0
100	PI2 BPSK	135	69	24.34	24.34		25.0	0.0
100	PI2 BPSK	135	138	24.02	24.02		25.0	0.0
100	PI2 BPSK	270	0	23.98	23.98		25.0	0.0
100	QPSK	1	1	23.23	23.23		25.0	0.0
100	QPSK	1	137	24.20	24.20		25.0	0.0
100	QPSK	1	271	23.22	23.22		25.0	0.0
100	QPSK	135	0	23.37	23.37		25.0	0.0
100	QPSK	135	69	24.40	24.40		25.0	0.0
100	QPSK	135	138	23.44	23.44		25.0	0.0
100	QPSK	270	0	23.48	23.48		25.0	0.0
100	16QAM	1	1	22.68	22.68		24.0	1.0
100	64QAM	1	1	21.89	21.89		23.5	1.5
100	256QAM	1	1	19.84	19.84		21.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.46	24.46	24.37	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.38	24.44	24.40	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.37	24.39	24.45	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.36	24.40	24.38	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.43	24.41	24.40	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.47	24.39	24.42	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.45	24.42	24.42	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.42	24.40	24.38	25.0	0.0

### PC3 Part27Q n78 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.10	23.10			
100	PI2 BPSK	1	137	23.78	23.78		25.0	0.0
100	PI2 BPSK	1	271	23.10	23.10			
100	PI2 BPSK	135	0	23.65	23.65		25.0	0.0
100	PI2 BPSK	135	69	23.81	23.81		25.0	0.0
100	PI2 BPSK	135	138	23.73	23.73		25.0	0.0
100	PI2 BPSK	270	0	23.79	23.79		25.0	0.0
100	QPSK	1	1	23.10	23.10		25.0	0.0
100	QPSK	1	137	23.29	23.29		25.0	0.0
100	QPSK	1	271	23.10	23.10		25.0	0.0
100	QPSK	135	0	23.53	23.53		25.0	0.0
100	QPSK	135	69	23.88	23.88		25.0	0.0
100	QPSK	135	138	23.87	23.87		25.0	0.0
100	QPSK	270	0	23.64	23.64		25.0	0.0
100	16QAM	1	1	22.41	22.41		24.0	1.0
100	64QAM	1	1	21.95	21.95		23.5	1.5
100	256QAM	1	1	19.97	19.97		21.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.78	23.88	23.82	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.78	23.87	23.83	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.89	23.79	23.84	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.85	23.83	23.80	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.89	23.84	23.82	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.84	23.87	23.86	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.87	23.81	23.89	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.82	23.79	23.89	25.0	0.0

### PC2 Part27Q n78 Ant2 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	25.18	25.18			
100	PI2 BPSK	1	137	25.93	25.93		27.0	0.0
100	PI2 BPSK	1	271	25.18	25.18			
100	PI2 BPSK	135	0	25.26	25.26		27.0	0.0
100	PI2 BPSK	135	69	25.85	25.85		27.0	0.0
100	PI2 BPSK	135	138	25.33	25.33		27.0	0.0
100	PI2 BPSK	270	0	25.47	25.47		27.0	0.0
100	QPSK	1	1	25.22	25.22		27.0	0.0
100	QPSK	1	137	25.87	25.87		27.0	0.0
100	QPSK	1	271	25.33	25.33		27.0	0.0
100	QPSK	135	0	25.35	25.35		27.0	0.0
100	QPSK	135	69	25.93	25.93		27.0	0.0
100	QPSK	135	138	25.88	25.88		27.0	0.0
100	QPSK	270	0	25.55	25.55		27.0	0.0
100	16QAM	1	1	24.32	24.32		26.0	1.0
100	64QAM	1	1	22.86	22.86		24.5	2.5
100	256QAM	1	1	20.92	20.92		22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.82	25.88	25.92	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.92	25.93	25.86	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.93	25.93	25.85	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.93	25.91	25.87	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.93	25.87	25.93	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.85	25.84	25.84	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.92	25.89	25.89	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.89	25.89	25.83	27.0	0.0



PC3 Part27Q n78 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	23.10	350.01				
100	Pl2 BPSK	1	137	23.80			25.0	0.0	
100	Pl2 BPSK	1	271	23.10					
100	Pl2 BPSK	135	0	23.26			25.0	0.0	
100	Pl2 BPSK	135	69	23.69			25.0	0.0	
100	Pl2 BPSK	135	138	23.24			25.0	0.0	
100	Pl2 BPSK	270	0	23.26			25.0	0.0	
100	QPSK	1	1	23.10					
100	QPSK	1	137	23.84			25.0	0.0	
100	QPSK	1	271	23.10					
100	QPSK	135	0	23.10			25.0	0.0	
100	QPSK	135	69	23.79			25.0	0.0	
100	QPSK	135	138	23.68			25.0	0.0	
100	QPSK	270	0	23.71			25.0	0.0	
100	16QAM	1	1	24.63			24.0	1.0	
100	64QAM	1	1	21.94			23.5	1.5	
100	256QAM	1	1	20.19			21.5	3.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.71	23.77	23.80	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.78	23.78	23.70	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.70	23.78	23.79	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.81	23.73	23.76	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.80	23.79	23.80	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.75	23.78	23.74	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.70	23.74	23.70	25.0	0.0	

PC2 Part27Q n78 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	23.12	350.01				
100	Pl2 BPSK	1	137	23.72			27.0	0.0	
100	Pl2 BPSK	1	271	23.20					
100	Pl2 BPSK	135	0	23.33			27.0	0.0	
100	Pl2 BPSK	135	69	23.70			27.0	0.0	
100	Pl2 BPSK	135	138	23.10			27.0	0.0	
100	Pl2 BPSK	270	0	23.10			27.0	0.0	
100	QPSK	1	1	23.01					
100	QPSK	1	137	23.79			27.0	0.0	
100	QPSK	1	271	23.27					
100	QPSK	135	0	23.36			27.0	0.0	
100	QPSK	135	69	23.71			27.0	0.0	
100	QPSK	135	138	23.26			27.0	0.0	
100	QPSK	270	0	23.31			27.0	0.0	
100	16QAM	1	1	24.93			24.0	1.0	
100	64QAM	1	1	22.56			24.5	2.5	
100	256QAM	1	1	21.03			22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.06	25.03	25.09	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.08	25.14	25.05	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.07	25.07	25.07	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.09	25.03	25.12	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.11	25.05	25.08	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.10	25.14	25.09	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.07	25.08	25.06	27.0	0.0	



### Part270 n77 Ant4 DS14

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.63	20.74	20.95		
100	PI2 BPSK	1	137	20.66	20.75	20.56	21.0	0.0
100	PI2 BPSK	1	271	20.78	20.90	20.52		
100	PI2 BPSK	135	0	20.70	20.86	20.90	21.0	0.0
100	PI2 BPSK	135	69	20.61	20.76	20.83	21.0	0.0
100	PI2 BPSK	135	138	20.59	20.76	20.48		
100	PI2 BPSK	270	0	20.72	20.82	20.54	21.0	0.0
100	QPSK	1	1	20.72	20.82	20.54		
100	QPSK	1	137	20.78	20.92	20.70		
100	QPSK	1	271	20.77	20.70	20.51	21.0	0.0
100	QPSK	135	0	20.77	20.80	20.69	21.0	0.0
100	QPSK	135	69	20.58	20.69	20.55	21.0	0.0
100	QPSK	135	138	20.69	20.86	20.71		
100	QPSK	270	0	20.77	20.80	20.65	21.0	0.0
100	16QAM	1	1	20.80	20.84	20.60	21.0	0.0
100	64QAM	1	1	20.74	20.73	20.67	21.0	0.0
100	ZS9QAM	1	1	18.05	19.13	19.06	21.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.68	20.84	20.54	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.84	20.54	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.57	20.90	20.57	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.65	20.67	20.71	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.77	20.71	20.58	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.73	20.86	20.66	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.74	20.74	20.68	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.72	20.75	20.66	21.0	0.0

### Part27Q n77 Ant4 DS14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 633000	Power Middle Ch. Freq. 633334	Power High Ch. Freq. 633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.08				
100	PI2 BPSK	1	137	20.13			21.0	0.0
100	PI2 BPSK	1	271	20.12				
100	PI2 BPSK	135	0	20.19			21.0	0.0
100	PI2 BPSK	135	69	20.20			21.0	0.0
100	PI2 BPSK	135	138	20.07				
100	PI2 BPSK	270	0	20.12			21.0	0.0
100	QPSK	1	1	20.18				
100	QPSK	1	137	20.22				
100	QPSK	1	271	20.02			21.0	0.0
100	QPSK	135	0	20.03			21.0	0.0
100	QPSK	135	69	20.13			21.0	0.0
100	QPSK	135	138	20.11				
100	QPSK	270	0	20.10			21.0	0.0
100	16QAM	1	1	20.00			21.0	0.0
100	64QAM	1	1	20.18			21.0	0.0
100	ZS9QAM	1	1	19.52			21.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.91	19.95	20.09	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.95	19.92	19.93	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.95	19.97	19.96	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.98	20.13	20.08	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.04	20.04	20.11	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.11	20.04	20.00	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.99	19.98	20.14	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.93	20.14	20.00	21.0	0.0

### PC3 Part270 n78 Ant4 DS14

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.85				
100	PI2 BPSK	1	137	18.81			19.5	0.0
100	PI2 BPSK	1	271	18.79				
100	PI2 BPSK	135	0	18.90			19.5	0.0
100	PI2 BPSK	135	69	18.88			19.5	0.0
100	PI2 BPSK	135	138	18.99				
100	PI2 BPSK	270	0	18.84			19.5	0.0
100	QPSK	1	1	18.98				
100	QPSK	1	137	19.00				
100	QPSK	1	271	18.93			19.5	0.0
100	QPSK	135	0	18.80			19.5	0.0
100	QPSK	135	69	18.96			19.5	0.0
100	QPSK	135	138	18.90				
100	QPSK	270	0	18.83			19.5	0.0
100	16QAM	1	1	18.82			19.5	0.0
100	64QAM	1	1	18.81			19.5	0.0
100	ZS9QAM	1	1	18.97			19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.74	18.73	18.82	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.65	18.67	18.74	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.63	18.74	18.63	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.74	18.66	18.80	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.61	18.84	18.72	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.62	18.64	18.67	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.77	18.74	18.60	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.84	18.61	18.72	19.5	0.0



**PC2 Part270 n78 Ant4 DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.74	3750			
100	PI2 BPSK	1	137	21.77			22.5	0.0
100	PI2 BPSK	1	271	21.70				
100	PI2 BPSK	135	0	21.72			22.5	0.0
100	PI2 BPSK	135	69	21.73				
100	PI2 BPSK	135	138	21.71			22.5	0.0
100	PI2 BPSK	270	0	21.72				
100	QPSK	1	1	21.69			22.5	0.0
100	QPSK	1	137	21.88				
100	QPSK	1	271	21.69				
100	QPSK	135	0	21.75			22.5	0.0
100	QPSK	135	69	21.85			22.5	0.0
100	QPSK	135	138	21.72				
100	QPSK	270	0	21.74			22.5	0.0
100	16QAM	1	1	21.74			22.5	0.0
100	16QAM	1	1	21.70			22.5	0.0
100	256QAM	1	1	21.86			22.0	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.69	21.49	21.42	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.69	21.49	21.49	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.57	21.48	21.52	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.68	21.61	21.59	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.61	21.67	21.53	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.56	21.69	21.57	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.55	21.55	21.49	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.67	21.56	21.66	22.5	0.0

**PC3 Part27Q n78 Ant4 DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.50	3500.01			
100	PI2 BPSK	1	137	18.59			19.5	0.0
100	PI2 BPSK	1	271	18.44				
100	PI2 BPSK	135	0	18.27			19.5	0.0
100	PI2 BPSK	135	69	18.21				
100	PI2 BPSK	135	138	18.69			19.5	0.0
100	PI2 BPSK	270	0	18.50				
100	QPSK	1	1	18.68			19.5	0.0
100	QPSK	1	137	18.80				
100	QPSK	1	271	18.68				
100	QPSK	135	0	18.45			19.5	0.0
100	QPSK	135	69	18.73			19.5	0.0
100	QPSK	135	138	18.72				
100	QPSK	270	0	18.50			19.5	0.0
100	16QAM	1	1	18.51			19.5	0.0
100	16QAM	1	1	18.60			19.5	0.0
100	256QAM	1	1	18.67			19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.49	18.32	18.49	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.30	18.38	18.32	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.43	18.31	18.36	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.52	18.31	18.37	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.34	18.49	18.36	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.31	18.47	18.43	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.30	18.52	18.40	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.37	18.31	18.33	19.5	0.0

**PC2 Part27Q n78 Ant4 DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.82	3500.01			
100	PI2 BPSK	1	137	21.89			22.5	0.0
100	PI2 BPSK	1	271	21.74				
100	PI2 BPSK	135	0	21.89			22.5	0.0
100	PI2 BPSK	135	69	21.79				
100	PI2 BPSK	135	138	21.77			22.5	0.0
100	PI2 BPSK	270	0	21.76				
100	QPSK	1	1	21.93			22.5	0.0
100	QPSK	1	137	22.04				
100	QPSK	1	271	21.92				
100	QPSK	135	0	21.79			22.5	0.0
100	QPSK	135	69	21.89			22.5	0.0
100	QPSK	135	138	21.81				
100	QPSK	270	0	21.80			22.5	0.0
100	16QAM	1	1	21.91			22.5	0.0
100	16QAM	1	1	21.79			22.5	0.0
100	256QAM	1	1	21.79			22.0	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.71	21.63	21.71	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.64	21.63	21.64	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.63	21.64	21.61	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.75	21.70	21.67	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.71	21.73	21.64	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.74	21.69	21.80	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.61	21.75	21.62	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.75	21.71	21.64	22.5	0.0





### Part270 n77 Ant6 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 650000]	Power Middle Ch. [Freq. 656000]	Power High Ch. [Freq. 662000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.07	22.06	22.04		
100	PI2 BPSK	1	137	21.90	21.98	22.03	23.0	0.0
100	PI2 BPSK	1	271	21.87	22.00	22.11		
100	PI2 BPSK	135	0	21.90	22.06	22.10	23.0	0.0
100	PI2 BPSK	135	69	22.06	22.04	22.06	23.0	0.0
100	PI2 BPSK	135	138	21.86	22.08	22.02		
100	PI2 BPSK	270	0	21.88	22.12	22.06	23.0	0.0
100	QPSK	1	1	21.90	22.04	22.08		
100	QPSK	1	137	22.06	22.16	22.12		
100	QPSK	1	271	21.90	22.01	21.93	23.0	0.0
100	QPSK	135	0	21.98	21.93	22.05	23.0	0.0
100	QPSK	135	69	21.91	22.08	21.97	23.0	0.0
100	QPSK	135	138	21.91	21.93	21.94		
100	QPSK	270	0	22.00	22.05	22.04	23.0	0.0
100	16QAM	1	1	22.00	22.11	22.06	23.0	0.0
100	64QAM	1	1	19.51	19.53	19.58	21.5	1.5
100	Z96QAM	1	1	18.15	18.33	18.15	18.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.88	22.00	22.12	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.88	22.11	21.94	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.93	21.99	22.08	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.88	22.05	22.14	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.03	22.14	21.94	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.99	22.13	22.05	23.0	0.0

### Part27Q n77 Ant6 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 633000]	Power Middle Ch. [Freq. 633334]	Power High Ch. [Freq. 633668]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.25	22.25	22.25		
100	PI2 BPSK	1	137	22.26	22.26	22.26	23.0	0.0
100	PI2 BPSK	1	271	22.25	22.25	22.25		
100	PI2 BPSK	135	0	22.17	22.17	22.17	23.0	0.0
100	PI2 BPSK	135	69	22.25	22.25	22.25	23.0	0.0
100	PI2 BPSK	135	138	22.19	22.19	22.19		
100	PI2 BPSK	270	0	22.14	22.14	22.14	23.0	0.0
100	QPSK	1	1	22.32	22.32	22.32		
100	QPSK	1	137	22.36	22.36	22.36		
100	QPSK	1	271	22.33	22.33	22.33	23.0	0.0
100	QPSK	135	0	21.90	21.90	21.90	23.0	0.0
100	QPSK	135	69	22.33	22.33	22.33	23.0	0.0
100	QPSK	135	138	21.83	21.83	21.83		
100	QPSK	270	0	22.25	22.25	22.25	23.0	0.0
100	16QAM	1	1	21.22	21.22	21.22	23.0	0.0
100	64QAM	1	1	19.62	19.62	19.62	21.5	1.5
100	Z96QAM	1	1	18.16	18.16	18.16	18.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.02	22.02	22.15	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.11	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.11	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.99	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.04	21.99	22.10	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.13	21.95	21.94	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.09	22.04	22.10	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.99	22.10	21.96	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.12	21.95	21.95	23.0	0.0

### PC3 Part270 n78 Ant6 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 648668]	Power Middle Ch. [Freq. 650000]	Power High Ch. [Freq. 651334]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.03	21.03	21.03		
100	PI2 BPSK	1	137	21.51	21.51	21.51	23.0	0.0
100	PI2 BPSK	1	271	21.51	21.51	21.51		
100	PI2 BPSK	135	0	21.70	21.70	21.70	23.0	0.0
100	PI2 BPSK	135	69	21.81	21.81	21.81	23.0	0.0
100	PI2 BPSK	135	138	21.87	21.87	21.87		
100	PI2 BPSK	270	0	21.54	21.54	21.54	23.0	0.0
100	QPSK	1	1	21.48	21.48	21.48		
100	QPSK	1	137	21.73	21.73	21.73		
100	QPSK	1	271	21.88	21.88	21.88	23.0	0.0
100	QPSK	135	0	21.81	21.81	21.81	23.0	0.0
100	QPSK	135	69	21.85	21.85	21.85	23.0	0.0
100	QPSK	135	138	21.81	21.81	21.81		
100	QPSK	270	0	21.80	21.80	21.80	23.0	0.0
100	16QAM	1	1	21.87	21.87	21.87	23.0	0.0
100	64QAM	1	1	21.70	21.70	21.70	23.0	0.0
100	Z96QAM	1	1	20.54	20.54	20.54	22.5	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.59	21.51	21.45	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.59	21.62	21.54	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.59	21.62	21.54	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.56	21.42	21.46	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.58	21.60	21.57	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.60	21.45	21.41	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.55	21.58	21.51	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.53	21.44	21.57	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.41	21.40	21.59	23.0	0.0



**PC2 Part270 n78 Ant6 DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	24.58	24.58	24.58	26.0	0.0		
100	PI2 BPSK	1	137	24.68	24.68	24.68				
100	PI2 BPSK	1	271	24.50	24.50	24.50				
100	PI2 BPSK	135	0	24.63	24.63	24.63	26.0	0.0		
100	PI2 BPSK	135	69	24.52	24.52	24.52				
100	PI2 BPSK	135	138	24.50	24.50	24.50				
100	PI2 BPSK	270	0	24.56	24.56	24.56	26.0	0.0		
100	QPSK	1	1	24.44	24.44	24.44				
100	QPSK	1	137	24.68	24.68	24.68				
100	QPSK	1	271	24.54	24.54	24.54	26.0	0.0		
100	QPSK	135	0	24.63	24.63	24.63				
100	QPSK	135	69	24.65	24.65	24.65				
100	QPSK	135	138	24.48	24.48	24.48	26.0	0.0		
100	QPSK	270	0	24.58	24.58	24.58				
100	16QAM	1	1	24.22	24.22	24.22				
100	64QAM	1	1	22.55	22.55	24.5	24.5	1.5		
100	256QAM	1	1	20.51	20.51	22.5				
100	256QAM	1	1	20.51	20.51	22.5				
Channel										
Frequency (MHz)										
90	QPSK	1	1	24.40	24.28	24.42	26.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	24.29	24.45	24.47	26.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	24.33	24.37	24.44	26.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	24.30	24.43	24.44	26.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	24.30	24.43	24.32	26.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	24.36	24.31	24.34	26.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	24.44	24.42	24.45	26.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	24.31	24.26	24.43	26.0	0.0		
Channel										
Frequency (MHz)										

**PC3 Part27Q n78 Ant6 DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	21.65	21.65	21.65	23.0	0.0		
100	PI2 BPSK	1	137	21.65	21.65	21.65				
100	PI2 BPSK	1	271	21.75	21.75	21.75				
100	PI2 BPSK	135	0	21.66	21.66	21.66	23.0	0.0		
100	PI2 BPSK	135	69	21.55	21.55	21.55				
100	PI2 BPSK	135	138	21.58	21.58	21.58				
100	PI2 BPSK	270	0	21.73	21.73	21.73	23.0	0.0		
100	QPSK	1	1	21.74	21.74	21.74				
100	QPSK	1	137	21.76	21.76	21.76				
100	QPSK	1	271	21.58	21.58	21.58	23.0	0.0		
100	QPSK	135	0	21.65	21.65	21.65				
100	QPSK	135	69	21.68	21.68	21.68				
100	QPSK	135	138	21.64	21.64	21.64	23.0	0.0		
100	QPSK	270	0	21.57	21.57	21.57				
100	16QAM	1	1	21.74	21.74	21.74				
100	64QAM	1	1	21.62	21.62	22.5	23.0	0.0		
100	256QAM	1	1	20.63	20.63	22.5				
100	256QAM	1	1	20.63	20.63	22.5				
Channel										
Frequency (MHz)										
90	QPSK	1	1	21.35	21.58	21.39	23.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	21.58	21.53	21.57	23.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	21.48	21.50	21.44	23.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	21.55	21.52	21.44	23.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	21.59	21.57	21.42	23.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	21.41	21.53	21.46	23.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	21.53	21.49	21.41	23.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	21.49	21.47	21.47	23.0	0.0		
Channel										
Frequency (MHz)										

**PC2 Part27Q n78 Ant6 DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	24.58	24.58	24.58	26.0	0.0		
100	PI2 BPSK	1	137	24.58	24.58	24.58				
100	PI2 BPSK	1	271	24.49	24.49	24.49				
100	PI2 BPSK	135	0	24.51	24.51	24.51	26.0	0.0		
100	PI2 BPSK	135	69	24.49	24.49	24.49				
100	PI2 BPSK	135	138	24.71	24.71	24.71				
100	PI2 BPSK	270	0	24.58	24.58	24.58	26.0	0.0		
100	QPSK	1	1	24.49	24.49	24.49				
100	QPSK	1	137	24.73	24.73	24.73				
100	QPSK	1	271	24.48	24.48	24.48	26.0	0.0		
100	QPSK	135	0	24.68	24.68	24.68				
100	QPSK	135	69	24.70	24.70	24.70				
100	QPSK	135	138	24.49	24.49	24.49	26.0	0.0		
100	QPSK	270	0	24.61	24.61	24.61				
100	16QAM	1	1	24.58	24.58	24.58				
100	64QAM	1	1	22.66	22.66	24.5	24.5	1.5		
100	256QAM	1	1	20.55	20.55	22.5				
100	256QAM	1	1	20.55	20.55	22.5				
Channel										
Frequency (MHz)										
90	QPSK	1	1	24.45	24.40	24.52	26.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	24.43	24.46	24.46	26.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	24.55	24.49	24.49	26.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	24.60	24.44	24.45	26.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	24.59	24.41	24.55	26.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	24.60	24.39	24.38	26.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	24.47	24.53	24.53	26.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	24.40	24.55	24.41	26.0	0.0		
Channel										
Frequency (MHz)										



n2 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				37200	37600	38000			
Frequency (MHz)				1890	1890	1900			
20	PI/2 BPSK	1	1	20.72	20.75	20.62			
20	PI/2 BPSK	1	26	20.63	20.71	20.64	22.0	0.0	
20	PI/2 BPSK	1	49	20.55	20.68	20.58			
20	PI/2 BPSK	25	0	20.03	20.18	20.07	21.5	0.5	
20	PI/2 BPSK	25	13	20.70	20.73	20.63	22.0	0.0	
20	PI/2 BPSK	25	26	20.08	20.20	20.08			
20	PI/2 BPSK	50	0	20.20	20.27	20.15	21.5	0.5	
20	QPSK	1	1	20.76	20.83	20.71			
20	QPSK	1	26	20.69	20.79	20.73	22.0	0.0	
20	QPSK	1	49	20.52	20.58	20.55			
20	QPSK	25	0	19.98	19.71	19.67	21.0	1.0	
20	QPSK	25	13	20.68	20.76	20.73	22.0	0.0	
20	QPSK	25	26	19.68	19.68	19.57			
20	QPSK	50	0	19.61	19.72	19.59	21.0	1.0	
20	16QAM	1	1	19.41	19.48	19.41	21.0	1.0	
20	64QAM	1	1	18.08	18.14	18.03	19.5	2.5	
20	256QAM	1	1	16.61	16.68	16.54	17.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1890	1902.5			
15	QPSK	1	1	20.65	20.80	20.57	22.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1890	1905			
10	QPSK	1	1	20.68	20.71	20.63	22.0	0.0	

n5 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				16800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	21.68	21.73	21.70			
20	PI/2 BPSK	1	26	21.52	21.57	21.45	23.0	0.0	
20	PI/2 BPSK	1	49	21.46	21.54	21.48			
20	PI/2 BPSK	25	0	21.14	21.23	21.18	22.5	0.5	
20	PI/2 BPSK	25	13	21.66	21.69	21.54	23.0	0.0	
20	PI/2 BPSK	25	26	21.09	21.24	21.15			
20	PI/2 BPSK	50	0	21.15	21.29	21.15	22.5	0.5	
20	QPSK	1	1	21.71	21.76	21.63			
20	QPSK	1	26	21.60	21.65	21.57	23.0	0.0	
20	QPSK	1	49	21.44	21.50	21.43			
20	QPSK	25	0	20.60	20.75	20.65	22.0	1.0	
20	QPSK	25	13	21.60	21.70	21.62	23.0	0.0	
20	QPSK	25	26	20.54	20.66	20.58			
20	QPSK	50	0	20.69	20.73	20.62	22.0	1.0	
20	16QAM	1	1	20.29	20.41	20.38	22.0	1.0	
20	64QAM	1	1	18.78	18.82	18.89	20.5	2.5	
20	256QAM	1	1	17.40	17.52	17.46	18.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	21.62	21.71	21.53	23.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.66	21.69	21.49	23.0	0.0	



### Part270 n77 Ant11 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)								
100	Pi2 BPSK	1	1	19.37	19.47	19.54		
100	Pi2 BPSK	1	137	19.48	19.38	19.20	20.0	0.0
100	Pi2 BPSK	1	271	19.32	19.46	19.36		
100	Pi2 BPSK	136	0	19.40	19.52	19.22	20.0	0.0
100	Pi2 BPSK	136	69	19.38	19.34	19.35	20.0	0.0
100	Pi2 BPSK	136	138	19.31	19.41	19.20	20.0	0.0
100	Pi2 BPSK	270	0	19.48	19.45	19.34		
100	QPSK	1	1	19.32	19.52	19.36		
100	QPSK	1	137	19.53	19.37	19.36	20.0	0.0
100	QPSK	1	271	19.51	19.49	19.25		
100	QPSK	136	0	19.36	19.45	19.22	20.0	0.0
100	QPSK	136	69	19.46	19.51	19.26	20.0	0.0
100	QPSK	136	138	19.48	19.34	19.33	20.0	0.0
100	QPSK	270	0	19.33	19.43	19.30		
100	16QAM	1	1	19.44	19.56	19.22	20.0	0.0
100	64QAM	1	1	19.43	19.40	19.37	20.0	0.0
100	256QAM	1	1	19.57	19.62	19.78	20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.37	19.56	19.28	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.33	19.51	19.29	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.45	19.40	19.35	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.36	19.53	19.28	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.42	19.52	19.21	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.53	19.33	19.35	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.51	19.42	19.22	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.31	19.50	19.27	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.45	19.41	19.21	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.44	19.45	19.30	20.0	0.0

### Part27Q n77 Ant11 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)								
100	Pi2 BPSK	1	1	19.83				
100	Pi2 BPSK	1	137	19.85			20.0	0.0
100	Pi2 BPSK	1	271	19.81				
100	Pi2 BPSK	136	0	19.73			20.0	0.0
100	Pi2 BPSK	136	69	19.80			20.0	0.0
100	Pi2 BPSK	136	138	19.86			20.0	0.0
100	Pi2 BPSK	270	0	19.81				
100	QPSK	1	1	19.85				
100	QPSK	1	137	19.80			20.0	0.0
100	QPSK	1	271	19.82				
100	QPSK	136	0	19.71			20.0	0.0
100	QPSK	136	69	19.83			20.0	0.0
100	QPSK	136	138	19.77			20.0	0.0
100	QPSK	270	0	19.71				
100	16QAM	1	1	19.85			20.0	0.0
100	64QAM	1	1	19.75			20.0	0.0
100	256QAM	1	1	19.83			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.57	19.66	19.69	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.61	19.57	19.79	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.72	19.75	19.74	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.71	19.56	19.89	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.74	19.66	19.73	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.67	19.77	19.86	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.62	19.58	19.82	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.77	19.75	19.72	20.0	0.0

### PC3 Part270 n78 Ant11 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)								
100	Pi2 BPSK	1	1	18.34				
100	Pi2 BPSK	1	137	18.37			19.0	0.0
100	Pi2 BPSK	1	271	18.38				
100	Pi2 BPSK	136	0	18.47			19.0	0.0
100	Pi2 BPSK	136	69	18.34			19.0	0.0
100	Pi2 BPSK	136	138	18.25			19.0	0.0
100	Pi2 BPSK	270	0	18.39				
100	QPSK	1	1	18.32				
100	QPSK	1	137	18.50			19.0	0.0
100	QPSK	1	271	18.38				
100	QPSK	136	0	18.27			19.0	0.0
100	QPSK	136	69	18.42			19.0	0.0
100	QPSK	136	138	18.34			19.0	0.0
100	QPSK	270	0	18.31				
100	16QAM	1	1	18.36			19.0	0.0
100	64QAM	1	1	18.44			19.0	0.0
100	256QAM	1	1	18.36			19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.29	18.34	18.32	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.28	18.35	18.16	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.18	18.18	18.23	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.21	18.29	18.20	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.21	18.26	18.14	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.27	18.33	18.21	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.27	18.13	18.25	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.33	18.15	18.23	19.0	0.0



PC2 Part270 n78 Ant11 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)										
100	PI2 BPSK	1	1	20.82	20.82	20.82	22.0	0.0		
100	PI2 BPSK	1	137	21.08	21.08	21.08	22.0	0.0		
100	PI2 BPSK	1	271	21.08	21.08	21.08	22.0	0.0		
100	PI2 BPSK	135	0	21.07	21.07	21.07	22.0	0.0		
100	PI2 BPSK	135	89	20.99	20.99	20.99	22.0	0.0		
100	PI2 BPSK	135	138	20.91	20.91	20.91	22.0	0.0		
100	PI2 BPSK	270	0	20.98	20.98	20.98	22.0	0.0		
100	QPSK	1	1	20.97	20.97	20.97	22.0	0.0		
100	QPSK	1	137	21.13	21.13	21.13	22.0	0.0		
100	QPSK	1	271	21.04	21.04	21.04	22.0	0.0		
100	QPSK	135	0	20.94	20.94	20.94	22.0	0.0		
100	QPSK	135	89	21.08	21.08	21.08	22.0	0.0		
100	QPSK	135	138	21.01	21.01	21.01	22.0	0.0		
100	QPSK	270	0	20.91	20.91	20.91	22.0	0.0		
100	16QAM	1	1	21.11	21.11	21.11	22.0	0.0		
100	64QAM	1	1	21.11	21.11	21.11	22.0	0.0		
100	256QAM	1	1	20.82	20.82	20.82	22.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	64968	65000	65034	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	64868	65000	65134	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	64834	65000	65168	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	64734	65000	65268	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3707.52	3750	3792.51	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3705	3750	3795	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	20.98	20.80	20.82	22.0	0.0		

PC3 Part27Q n78 Ant11 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)										
100	PI2 BPSK	1	1	17.57	17.57	17.57	19.0	0.0		
100	PI2 BPSK	1	137	17.44	17.44	17.44	19.0	0.0		
100	PI2 BPSK	1	271	17.48	17.48	17.48	19.0	0.0		
100	PI2 BPSK	135	0	17.76	17.76	17.76	19.0	0.0		
100	PI2 BPSK	135	89	17.49	17.49	17.49	19.0	0.0		
100	PI2 BPSK	135	138	17.38	17.38	17.38	19.0	0.0		
100	PI2 BPSK	270	0	17.54	17.54	17.54	19.0	0.0		
100	QPSK	1	1	17.47	17.47	17.47	19.0	0.0		
100	QPSK	1	137	17.79	17.79	17.79	19.0	0.0		
100	QPSK	1	271	17.47	17.47	17.47	19.0	0.0		
100	QPSK	135	0	17.53	17.53	17.53	19.0	0.0		
100	QPSK	135	89	17.75	17.75	17.75	19.0	0.0		
100	QPSK	135	138	17.63	17.63	17.63	19.0	0.0		
100	QPSK	270	0	17.55	17.55	17.55	19.0	0.0		
100	16QAM	1	1	17.64	17.64	17.64	19.0	0.0		
100	64QAM	1	1	17.75	17.75	17.75	19.0	0.0		
100	256QAM	1	1	17.55	17.55	17.55	19.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63008	63334	63668	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	63000	63334	63668	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3470.01	3500.01	3540	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	6365.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.42	17.48	17.57	19.0	0.0		

PC2 Part27Q n78 Ant11 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)										
100	PI2 BPSK	1	1	20.08	20.08	20.08	22.0	0.0		
100	PI2 BPSK	1	137	20.24	20.24	20.24	22.0	0.0		
100	PI2 BPSK	1	271	20.25	20.25	20.25	22.0	0.0		
100	PI2 BPSK	135	0	20.20	20.20	20.20	22.0	0.0		
100	PI2 BPSK	135	89	20.13	20.13	20.13	22.0	0.0		
100	PI2 BPSK	135	138	20.04	20.04	20.04	22.0	0.0		
100	PI2 BPSK	270	0	20.02	20.02	20.02	22.0	0.0		
100	QPSK	1	1	20.15	20.15	20.15	22.0	0.0		
100	QPSK	1	137	20.25	20.25	20.25	22.0	0.0		
100	QPSK	1	271	20.08	20.08	20.08	22.0	0.0		
100	QPSK	135	0	20.07	20.07	20.07	22.0	0.0		
100	QPSK	135	89	20.20	20.20	20.20	22.0	0.0		
100	QPSK	135	138	20.13	20.13	20.13	22.0	0.0		
100	QPSK	270	0	20.12	20.12	20.12	22.0	0.0		
100	16QAM	1	1	20.24	20.24	20.24	22.0	0.0		
100	64QAM	1	1	20.34	20.34	20.34	22.0	0.0		
100	256QAM	1	1	20.07	20.07	20.07	22.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63000	63334	63668	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	63000	63334	63668	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3470.01	3500.01	3540	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	6365.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	20.13	20.10	20.09	22.0	0.0		



Reduced Power for DSI 6 for 5G NR DFT-30 for Main PA

n2 Ant1 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 372000	Middle Ch. / Freq. 376000	High Ch. / Freq. 380000			
Channel				1500	1500	1500			
Frequency (MHz)				19.70	19.86	19.83			
20	PI/2 BPSK	1	1	19.70	19.86	19.83	21.0	0.0	
20	PI/2 BPSK	1	26	19.71	19.80	19.61			
20	PI/2 BPSK	1	49	19.68	19.87	19.69			
20	PI/2 BPSK	25	0	19.74	19.81	19.68	21.0	0.0	
20	PI/2 BPSK	25	13	19.65	19.89	19.73	21.0	0.0	
20	PI/2 BPSK	25	26	19.56	19.89	19.63			
20	PI/2 BPSK	50	0	19.84	19.81	19.67	21.0	0.0	
20	QPSK	1	1	19.75	19.93	19.72			
20	QPSK	1	26	19.54	19.90	19.64	21.0	0.0	
20	QPSK	1	49	19.72	19.80	19.51			
20	QPSK	25	0	19.65	19.76	19.51	21.0	0.0	
20	QPSK	25	13	19.68	19.90	19.58	21.0	0.0	
20	QPSK	25	26	19.72	19.81	19.63	21.0	0.0	
20	QPSK	50	0	19.73	19.82	19.59			
20	16QAM	1	1	19.58	19.90	19.67	21.0	0.0	
20	64QAM	1	1	19.72	19.73	19.66	21.0	0.0	
20	256QAM	1	1	18.56	18.48	18.39	19.5	1.5	
Channel				371500	376000	380500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1837.5	1830	1820.5			
15	QPSK	1	1	19.74	19.79	19.70	21.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	19.53	19.69	19.56	21.0	0.0	

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 166800	Middle Ch. / Freq. 167300	High Ch. / Freq. 167800			
Channel				834	836.5	839			
Frequency (MHz)				23.00	23.05	22.84			
20	PI/2 BPSK	1	1	23.00	23.05	22.84	24.0	0.0	
20	PI/2 BPSK	1	26	22.90	23.00	22.88			
20	PI/2 BPSK	1	49	22.84	22.96	22.84			
20	PI/2 BPSK	25	0	22.57	22.62	22.55	23.5	0.5	
20	PI/2 BPSK	25	13	22.91	23.06	23.02	24.0	0.0	
20	PI/2 BPSK	25	26	22.43	22.54	22.46			
20	PI/2 BPSK	50	0	22.54	22.63	22.54	23.5	0.5	
20	QPSK	1	1	23.04	23.14	23.10			
20	QPSK	1	26	22.93	23.04	22.99	24.0	0.0	
20	QPSK	1	49	22.79	22.90	22.84			
20	QPSK	25	0	22.10	22.16	22.13	23.0	1.0	
20	QPSK	25	13	22.95	23.06	22.95	24.0	0.0	
20	QPSK	25	26	22.00	22.03	22.00	23.0	1.0	
20	QPSK	50	0	22.06	22.11	21.97			
20	16QAM	1	1	21.69	21.76	21.70	23.0	1.0	
20	64QAM	1	1	20.14	20.19	20.15	21.5	2.5	
20	256QAM	1	1	18.63	18.75	18.69	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.98	23.08	23.03	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.90	23.01	22.96	24.0	0.0	



### n7 Ant2 Default

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.92	23.02	22.87	24.0	0.0
20	PI/2 BPSK	1	26	22.81	22.96	22.84		
20	PI/2 BPSK	1	49	22.87	22.91	22.78		
20	PI/2 BPSK	25	0	22.38	22.52	22.47	23.5	0.5
20	PI/2 BPSK	25	13	22.97	23.01	22.95	24.0	0.0
20	PI/2 BPSK	25	26	22.50	22.54	22.40	23.5	0.5
20	PI/2 BPSK	50	0	22.45	22.58	22.48		
20	QPSK	1	1	22.97	23.05	23.04	24.0	0.0
20	QPSK	1	26	22.92	23.02	22.88		
20	QPSK	1	49	22.88	22.94	22.85		
20	QPSK	25	0	21.98	22.01	21.91	23.0	1.0
20	QPSK	25	13	22.98	23.03	22.91	24.0	0.0
20	QPSK	25	26	21.98	22.07	21.96	23.0	1.0
20	QPSK	50	0	22.02	22.11	21.97		
20	16QAM	1	1	21.53	21.64	21.49	23.0	1.0
20	64QAM	1	1	20.22	20.28	20.24	21.5	2.5
20	256QAM	1	1	18.83	18.85	18.72	19.5	4.5
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.89	23.00	22.88	24.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.83	22.98	22.84	24.0	0.0



n38 Ant2 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.28	22.30	22.32			
40	PI2 BPSK	1	53	22.97	23.07	22.92	24.0	0.0	
40	PI2 BPSK	1	104	22.49	22.56	22.50			
40	PI2 BPSK	50	0	22.34	22.48	22.45	23.5	0.5	
40	PI2 BPSK	50	28	22.95	23.07	22.93	24.0	0.0	
40	PI2 BPSK	50	56	22.33	22.36	22.24			
40	PI2 BPSK	100	0	22.37	22.49	22.37	23.5	0.5	
40	QPSK	1	1	22.33	22.44	22.41			
40	QPSK	1	53	23.07	23.11	23.02	24.0	0.0	
40	QPSK	1	104	22.49	22.53	22.44			
40	QPSK	50	0	21.75	21.90	21.82	23.0	1.0	
40	QPSK	50	28	22.92	23.03	22.96	24.0	0.0	
40	QPSK	50	56	21.76	21.87	21.77			
40	QPSK	100	0	21.83	21.95	21.86	23.0	1.0	
40	16QAM	1	1	21.08	21.16	21.05	23.0	1.0	
40	64QAM	1	1	19.73	19.83	19.75	21.5	2.5	
40	256QAM	1	1	18.34	18.42	18.32	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.01	22.99	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.97	22.97	22.98	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.02	23.00	22.93	19.0	2.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.03	23.04	22.96	19.0	2.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.99	23.08	22.90	19.0	4.5	

n41 Ant2 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.02	22.06	22.03			
100	PI2 BPSK	1	137	23.06	23.09	22.99	24.0	0.0	
100	PI2 BPSK	1	271	22.01	22.10	22.04			
100	PI2 BPSK	135	0	22.35	22.38	22.27	23.5	0.5	
100	PI2 BPSK	135	69	23.07	23.16	23.13	24.0	0.0	
100	PI2 BPSK	135	138	22.26	22.37	22.24			
100	PI2 BPSK	270	0	22.32	22.44	22.35	23.5	0.5	
100	QPSK	1	1	22.03	22.11	22.07			
100	QPSK	1	137	23.16	23.21	22.96	24.0	0.0	
100	QPSK	1	271	22.10	22.14	22.11			
100	QPSK	135	0	21.83	21.90	21.85	23.0	1.0	
100	QPSK	135	69	23.01	23.12	23.09	24.0	0.0	
100	QPSK	135	138	21.74	21.87	21.74			
100	QPSK	270	0	21.81	21.95	21.84	23.0	1.0	
100	16QAM	1	1	21.18	21.23	21.13	23.0	1.0	
100	64QAM	1	1	19.68	19.74	19.66	21.5	2.5	
100	256QAM	1	1	18.23	18.31	18.26	19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.05	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.08	23.17	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.05	23.10	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.11	23.13	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.01	23.08	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.04	23.06	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.12	23.09	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.09	23.18	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.12	23.15	22.86	24.0	0.0	

Part270 n77 Ant2 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)									
100	PI2 BPSK	1	1	19.30	19.63	19.59			
100	PI2 BPSK	1	137	19.20	19.76	19.58	20.0	0.0	
100	PI2 BPSK	1	271	19.36	19.82	19.84			
100	PI2 BPSK	135	0	19.40	19.65	19.70	20.0	0.0	
100	PI2 BPSK	135	69	19.37	19.75	19.73	20.0	0.0	
100	PI2 BPSK	135	138	19.19	19.71	19.52			
100	PI2 BPSK	270	0	19.35	19.81	19.82	20.0	0.0	
100	QPSK	1	1	19.39	19.80	19.72			
100	QPSK	1	137	19.30	19.82	19.74	20.0	0.0	
100	QPSK	1	271	19.25	19.72	19.80			
100	QPSK	135	0	19.23	19.65	19.75	20.0	0.0	
100	QPSK	135	69	19.20	19.78	19.62	20.0	0.0	
100	QPSK	135	138	19.25	19.64	19.72			
100	QPSK	270	0	19.25	19.75	19.54	20.0	0.0	
100	16QAM	1	1	19.25	19.67	19.64	20.0	0.0	
100	64QAM	1	1	19.46	19.53	19.40	20.0	0.0	
100	256QAM	1	1	19.22	19.40	19.33	20.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.32	19.76	19.59	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.20	19.81	19.68	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.22	19.70	19.59	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.26	19.70	19.59	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.19	19.80	19.70	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.32	19.70	19.60	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.29	19.72	19.61	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.28	19.69	19.58	20.0	0.0	





**Part27Q n77 Ant2 DSI3**

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.43	3500.01			
100	PI2 BPSK	1	137	19.47			20.0	0.0
100	PI2 BPSK	1	271	19.42				
100	PI2 BPSK	135	0	19.52			20.0	0.0
100	PI2 BPSK	135	69	19.52			20.0	0.0
100	PI2 BPSK	135	138	19.51			20.0	0.0
100	PI2 BPSK	270	0	19.40				
100	QPSK	1	1	19.50			20.0	0.0
100	QPSK	1	137	19.53				
100	QPSK	1	271	19.47				
100	QPSK	135	0	19.49			20.0	0.0
100	QPSK	135	69	19.56			20.0	0.0
100	QPSK	135	138	19.41			20.0	0.0
100	QPSK	270	0	19.50				
100	16QAM	1	1	19.52			20.0	0.0
100	16QAM	1	1	19.42			20.0	0.0
100	256QAM	1	1	19.44			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.38	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.34	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.23	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.20	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.20	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.27	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.13	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.38	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)

**PC3 Part27O n78 Ant2 DSI3**

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.55	3750			
100	PI2 BPSK	1	137	20.07			21.5	0.0
100	PI2 BPSK	1	271	19.60				
100	PI2 BPSK	135	0	20.13			21.5	0.0
100	PI2 BPSK	135	69	20.27			21.5	0.0
100	PI2 BPSK	135	138	20.17			21.5	0.0
100	PI2 BPSK	270	0	20.22				
100	QPSK	1	1	19.59			21.5	0.0
100	QPSK	1	137	20.41				
100	QPSK	1	271	19.54				
100	QPSK	135	0	19.93			21.5	0.0
100	QPSK	135	69	20.38			21.5	0.0
100	QPSK	135	138	20.04			21.5	0.0
100	QPSK	270	0	20.09				
100	16QAM	1	1	19.76			21.5	0.0
100	16QAM	1	1	19.82			21.5	0.0
100	256QAM	1	1	19.86			21.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.16	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.23	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.19	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.11	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.14	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.13	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.11	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.11	3750	3755.02	Tune-up limit (dBm)	MPR (dB)

**PC2 Part27O n78 Ant2 DSI3**

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.61	3750			
100	PI2 BPSK	1	137	22.41			23.5	0.0
100	PI2 BPSK	1	271	21.81				
100	PI2 BPSK	135	0	21.71			23.5	0.0
100	PI2 BPSK	135	69	22.36			23.5	0.0
100	PI2 BPSK	135	138	21.70			23.5	0.0
100	PI2 BPSK	270	0	21.95				
100	QPSK	1	1	21.53			23.5	0.0
100	QPSK	1	137	22.20				
100	QPSK	1	271	21.74				
100	QPSK	135	0	21.84			23.5	0.0
100	QPSK	135	69	22.34			23.5	0.0
100	QPSK	135	138	21.88			23.5	0.0
100	QPSK	270	0	21.90				
100	16QAM	1	1	21.79			23.5	0.0
100	16QAM	1	1	21.85			23.5	0.0
100	256QAM	1	1	20.61			22.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.10	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.27	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.22	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.20	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.29	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.28	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.20	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.29	3750	3755.02	Tune-up limit (dBm)	MPR (dB)



PC3 Part27Q n78 Ant2 DSI3									
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	19.53	350.01				
100	PI2 BPSK	1	137	20.27			21.5	0.0	
100	PI2 BPSK	1	271	19.53					
100	PI2 BPSK	135	0	19.55			21.5	0.0	
100	PI2 BPSK	135	69	20.16			21.5	0.0	
100	PI2 BPSK	135	138	19.74			21.5	0.0	
100	PI2 BPSK	270	0	19.87					
100	QPSK	1	1	19.59					
100	QPSK	1	137	20.35			21.5	0.0	
100	QPSK	1	271	19.62					
100	QPSK	135	0	19.81			21.5	0.0	
100	QPSK	135	69	20.25			21.5	0.0	
100	QPSK	135	138	20.13			21.5	0.0	
100	QPSK	270	0	20.07					
100	16QAM	1	1	20.12			21.5	0.0	
100	16QAM	1	1	19.82			21.5	0.0	
100	256QAM	1	1	19.57			21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.05	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.09	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.05	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.12	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.14	350.01	350.01	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.11	350.01	350.01	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.59	350.01	350.01	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.13	350.01	350.01	21.5	0.0	

PC2 Part27Q n78 Ant2 DSI3									
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	21.57	350.01				
100	PI2 BPSK	1	137	22.03			23.5	0.0	
100	PI2 BPSK	1	271	21.56					
100	PI2 BPSK	135	0	21.77			23.5	0.0	
100	PI2 BPSK	135	69	21.96			23.5	0.0	
100	PI2 BPSK	135	138	21.81			23.5	0.0	
100	PI2 BPSK	270	0	21.56					
100	QPSK	1	1	21.85					
100	QPSK	1	137	22.16			23.5	0.0	
100	QPSK	1	271	21.71					
100	QPSK	135	0	21.70			23.5	0.0	
100	QPSK	135	69	22.15			23.5	0.0	
100	QPSK	135	138	21.86			23.5	0.0	
100	QPSK	270	0	21.85					
100	16QAM	1	1	22.10			23.5	0.0	
100	16QAM	1	1	21.83			23.5	0.0	
100	256QAM	1	1	20.99			23.5	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.55	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.62	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.59	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.58	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.53	350.01	350.01	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.62	350.01	350.01	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.71	350.01	350.01	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.55	350.01	350.01	21.5	0.0	



### Part270 n77 Ant4 DSI6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 656000	Power High Ch. Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.63	20.74	20.85		
100	PI2 BPSK	1	137	20.66	20.75	20.86	21.0	0.0
100	PI2 BPSK	1	271	20.78	20.90	20.92		
100	PI2 BPSK	135	0	20.70	20.86	20.90	21.0	0.0
100	PI2 BPSK	135	69	20.81	20.76	20.83	21.0	0.0
100	PI2 BPSK	135	138	20.59	20.76	20.48		
100	PI2 BPSK	270	0	20.72	20.82	20.94	21.0	0.0
100	QPSK	1	1	20.72	20.82	20.94		
100	QPSK	1	137	20.78	20.92	20.70		
100	QPSK	1	271	20.77	20.70	20.91	21.0	0.0
100	QPSK	135	0	20.77	20.80	20.69	21.0	0.0
100	QPSK	135	69	20.58	20.89	20.95	21.0	0.0
100	QPSK	135	138	20.69	20.88	20.71		
100	QPSK	270	0	20.77	20.90	20.85	21.0	0.0
100	16QAM	1	1	20.80	20.84	20.60	21.0	0.0
100	64QAM	1	1	20.74	20.73	20.67	21.0	0.0
100	256QAM	1	1	18.05	19.13	19.08	21.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.68	20.84	20.94	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.84	20.94	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.84	20.94	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.65	20.87	20.71	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.77	20.71	20.58	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.73	20.86	20.66	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.74	20.74	20.68	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.72	20.75	20.66	21.0	0.0

### Part27Q n77 Ant4 DSI6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 633000	Power Middle Ch. Freq. 633334	Power High Ch. Freq. 633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.08	20.13	20.18		
100	PI2 BPSK	1	137	20.06	20.13	20.13	21.0	0.0
100	PI2 BPSK	1	271	20.12	20.12	20.12		
100	PI2 BPSK	135	0	20.19	20.19	20.19	21.0	0.0
100	PI2 BPSK	135	69	20.20	20.20	20.20	21.0	0.0
100	PI2 BPSK	135	138	20.07	20.07	20.07		
100	PI2 BPSK	270	0	20.12	20.12	20.12	21.0	0.0
100	QPSK	1	1	20.18	20.18	20.18		
100	QPSK	1	137	20.22	20.22	20.22		
100	QPSK	1	271	20.02	20.02	20.02	21.0	0.0
100	QPSK	135	0	20.03	20.03	20.03	21.0	0.0
100	QPSK	135	69	20.13	20.13	20.13	21.0	0.0
100	QPSK	135	138	20.11	20.11	20.11		
100	QPSK	270	0	20.10	20.10	20.10	21.0	0.0
100	16QAM	1	1	20.00	20.00	20.00	21.0	0.0
100	64QAM	1	1	20.18	20.18	20.18	21.0	0.0
100	256QAM	1	1	19.52	19.52	19.52	21.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.91	19.95	20.09	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.95	19.92	19.93	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.95	19.97	19.96	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.98	20.13	20.08	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.04	20.04	20.11	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.11	20.04	20.00	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.99	19.98	20.14	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.99	20.14	20.00	21.0	0.0

### PC3 Part270 n78 Ant4 DSI6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 656000	Power High Ch. Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.83	18.83	18.83		
100	PI2 BPSK	1	137	18.81	18.81	18.81	19.5	0.0
100	PI2 BPSK	1	271	18.79	18.79	18.79		
100	PI2 BPSK	135	0	18.90	18.90	18.90	19.5	0.0
100	PI2 BPSK	135	69	18.88	18.88	18.88	19.5	0.0
100	PI2 BPSK	135	138	18.99	18.99	18.99		
100	PI2 BPSK	270	0	18.84	18.84	18.84	19.5	0.0
100	QPSK	1	1	18.98	18.98	18.98		
100	QPSK	1	137	19.00	19.00	19.00		
100	QPSK	1	271	18.93	18.93	18.93	19.5	0.0
100	QPSK	135	0	18.80	18.80	18.80	19.5	0.0
100	QPSK	135	69	18.96	18.96	18.96	19.5	0.0
100	QPSK	135	138	18.90	18.90	18.90		
100	QPSK	270	0	18.83	18.83	18.83	19.5	0.0
100	16QAM	1	1	18.82	18.82	18.82	19.5	0.0
100	64QAM	1	1	18.81	18.81	18.81	19.5	0.0
100	256QAM	1	1	18.97	18.97	18.97	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.74	18.73	18.82	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.65	18.67	18.74	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.63	18.74	18.83	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.74	18.66	18.80	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.61	18.84	18.72	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.62	18.84	18.67	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.77	18.74	18.60	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.84	18.61	18.72	19.5	0.0



**PC2 Part270 n78 Ant4 DSI6**

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.74	3750			
100	PI2 BPSK	1	137	21.77			22.5	0.0
100	PI2 BPSK	1	271	21.70				
100	PI2 BPSK	135	0	21.72			22.5	0.0
100	PI2 BPSK	135	69	21.73				
100	PI2 BPSK	135	138	21.71			22.5	0.0
100	PI2 BPSK	270	0	21.72				
100	QPSK	1	1	21.69			22.5	0.0
100	QPSK	1	137	21.88				
100	QPSK	1	271	21.69				
100	QPSK	135	0	21.75			22.5	0.0
100	QPSK	135	69	21.85			22.5	0.0
100	QPSK	135	138	21.72				
100	QPSK	270	0	21.74			22.5	0.0
100	16QAM	1	1	21.74			22.5	0.0
100	16QAM	1	1	21.70			22.5	0.0
100	256QAM	1	1	21.66			22.0	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.69	64968	65000	3755.01	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.69	65000	65134	3755.01	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.57	64834	65000	3750.02	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.68	64834	65000	3755.02	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.61	64734	65000	3750.02	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.56	64768	65000	3752.00	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.55	64700	65000	3750.02	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.67	3705	3750	3755	22.5

**PC3 Part27Q n78 Ant4 DSI6**

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.50	3500.01			
100	PI2 BPSK	1	137	18.59			19.5	0.0
100	PI2 BPSK	1	271	18.44				
100	PI2 BPSK	135	0	18.27			19.5	0.0
100	PI2 BPSK	135	69	18.21				
100	PI2 BPSK	135	138	18.69			19.5	0.0
100	PI2 BPSK	270	0	18.50				
100	QPSK	1	1	18.68			19.5	0.0
100	QPSK	1	137	18.80				
100	QPSK	1	271	18.68				
100	QPSK	135	0	18.45			19.5	0.0
100	QPSK	135	69	18.73			19.5	0.0
100	QPSK	135	138	18.72				
100	QPSK	270	0	18.50			19.5	0.0
100	16QAM	1	1	18.51			19.5	0.0
100	16QAM	1	1	18.60			19.5	0.0
100	256QAM	1	1	18.67			19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.49	63200	63334	3505.02	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.30	63068	63468	3505.02	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.43	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.52	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.34	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.31	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.20	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.37	3465.01	3500.01	3545.01	19.5

**PC2 Part27Q n78 Ant4 DSI6**

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.82	3500.01			
100	PI2 BPSK	1	137	21.89			22.5	0.0
100	PI2 BPSK	1	271	21.74				
100	PI2 BPSK	135	0	21.89			22.5	0.0
100	PI2 BPSK	135	69	21.79				
100	PI2 BPSK	135	138	21.77			22.5	0.0
100	PI2 BPSK	270	0	21.76				
100	QPSK	1	1	21.93			22.5	0.0
100	QPSK	1	137	22.04				
100	QPSK	1	271	21.92				
100	QPSK	135	0	21.79			22.5	0.0
100	QPSK	135	69	21.89			22.5	0.0
100	QPSK	135	138	21.81				
100	QPSK	270	0	21.80			22.5	0.0
100	16QAM	1	1	21.91			22.5	0.0
100	16QAM	1	1	21.79			22.5	0.0
100	256QAM	1	1	21.79			22.0	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.71	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.64	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.63	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.75	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.71	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.74	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.61	63068	63334	3505.02	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.75	3465.01	3500.01	3545.01	19.5



### Part270 n77 Ant6 DS16

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 650000]	Power Middle Ch. [Freq. 656000]	Power High Ch. [Freq. 662000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.07	22.06	22.04		
100	PI2 BPSK	1	137	21.90	21.98	22.03	23.0	0.0
100	PI2 BPSK	1	271	21.87	22.00	22.11		
100	PI2 BPSK	135	0	21.90	22.06	22.10	23.0	0.0
100	PI2 BPSK	135	69	22.06	22.04	22.06	23.0	0.0
100	PI2 BPSK	135	138	21.86	22.09	22.02		
100	PI2 BPSK	270	0	21.88	22.12	22.06	23.0	0.0
100	QPSK	1	1	21.90	22.04	22.08		
100	QPSK	1	137	22.06	22.16	22.12		
100	QPSK	1	271	21.90	22.01	21.93	23.0	0.0
100	QPSK	135	0	21.98	21.93	22.05	23.0	0.0
100	QPSK	135	69	21.91	22.08	21.97	23.0	0.0
100	QPSK	135	138	21.91	21.93	21.94		
100	QPSK	270	0	22.00	22.05	22.04	23.0	0.0
100	16QAM	1	1	22.00	22.11	22.06	23.0	0.0
100	64QAM	1	1	19.51	19.53	19.58	21.5	1.5
100	256QAM	1	1	18.15	18.33	18.15	18.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.88	22.00	22.12	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.88	22.11	21.94	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.93	21.99	22.08	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.88	22.05	22.14	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.03	22.14	21.94	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.99	22.13	22.05	23.0	0.0

### Part27Q n77 Ant6 DS16

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 633000]	Power Middle Ch. [Freq. 633334]	Power High Ch. [Freq. 633668]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.25	22.25	22.25		
100	PI2 BPSK	1	137	22.26	22.26	22.26	23.0	0.0
100	PI2 BPSK	1	271	22.25	22.25	22.25		
100	PI2 BPSK	135	0	22.17	22.17	22.17	23.0	0.0
100	PI2 BPSK	135	69	22.25	22.25	22.25	23.0	0.0
100	PI2 BPSK	135	138	22.19	22.19	22.19		
100	PI2 BPSK	270	0	22.14	22.14	22.14	23.0	0.0
100	QPSK	1	1	22.32	22.32	22.32		
100	QPSK	1	137	22.36	22.36	22.36		
100	QPSK	1	271	22.33	22.33	22.33	23.0	0.0
100	QPSK	135	0	21.90	21.90	21.90	23.0	0.0
100	QPSK	135	69	22.33	22.33	22.33	23.0	0.0
100	QPSK	135	138	21.83	21.83	21.83		
100	QPSK	270	0	22.25	22.25	22.25	23.0	0.0
100	16QAM	1	1	21.22	21.22	21.22	23.0	0.0
100	64QAM	1	1	19.62	19.62	19.62	21.5	1.5
100	256QAM	1	1	18.16	18.16	18.16	18.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.02	22.02	22.15	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.11	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.11	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.99	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.04	21.99	22.10	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.13	21.95	21.94	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.09	22.04	22.10	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.99	22.10	21.99	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.12	21.95	21.95	23.0	0.0

### PC3 Part270 n78 Ant6 DS16

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 648668]	Power Middle Ch. [Freq. 650000]	Power High Ch. [Freq. 651334]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.03	21.03	21.03		
100	PI2 BPSK	1	137	21.51	21.51	21.51	23.0	0.0
100	PI2 BPSK	1	271	21.51	21.51	21.51		
100	PI2 BPSK	135	0	21.70	21.70	21.70	23.0	0.0
100	PI2 BPSK	135	69	21.81	21.81	21.81	23.0	0.0
100	PI2 BPSK	135	138	21.87	21.87	21.87		
100	PI2 BPSK	270	0	21.54	21.54	21.54	23.0	0.0
100	QPSK	1	1	21.48	21.48	21.48		
100	QPSK	1	137	21.73	21.73	21.73		
100	QPSK	1	271	21.88	21.88	21.88	23.0	0.0
100	QPSK	135	0	21.81	21.81	21.81	23.0	0.0
100	QPSK	135	69	21.85	21.85	21.85	23.0	0.0
100	QPSK	135	138	21.81	21.81	21.81		
100	QPSK	270	0	21.80	21.80	21.80	23.0	0.0
100	16QAM	1	1	21.87	21.87	21.87	23.0	0.0
100	64QAM	1	1	21.70	21.70	21.70	23.0	0.0
100	256QAM	1	1	20.54	20.54	20.54	22.5	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.59	21.51	21.45	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.59	21.62	21.54	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.59	21.62	21.54	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.56	21.42	21.46	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.58	21.60	21.57	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.60	21.45	21.41	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.55	21.58	21.51	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.53	21.44	21.57	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.41	21.40	21.59	23.0	0.0



**PC2 Part270 n78 Ant6 DSI6**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	24.28	24.28	24.28		
100	PI2 BPSK	1	137	24.68	24.68	24.68	26.0	0.0
100	PI2 BPSK	1	271	24.50	24.50	24.50		
100	PI2 BPSK	135	0	24.63	24.63	24.63	26.0	0.0
100	PI2 BPSK	135	69	24.32	24.32	24.32	26.0	0.0
100	PI2 BPSK	135	138	24.50	24.50	24.50	26.0	0.0
100	PI2 BPSK	270	0	24.56	24.56	24.56	26.0	0.0
100	QPSK	1	1	24.44	24.44	24.44	26.0	0.0
100	QPSK	1	137	24.88	24.88	24.88	26.0	0.0
100	QPSK	1	271	24.54	24.54	24.54	26.0	0.0
100	QPSK	135	0	24.63	24.63	24.63	26.0	0.0
100	QPSK	135	69	24.65	24.65	24.65	26.0	0.0
100	QPSK	135	138	24.48	24.48	24.48	26.0	0.0
100	QPSK	270	0	24.58	24.58	24.58	26.0	0.0
100	16QAM	1	1	24.22	24.22	24.22	26.0	0.0
100	64QAM	1	1	22.55	22.55	22.55	24.5	1.5
100	256QAM	1	1	20.51	20.51	20.51	22.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.40	24.28	24.42	26.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.29	24.45	24.47	26.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.33	24.37	24.44	26.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.30	24.43	24.44	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.30	24.43	24.32	26.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.36	24.31	24.34	26.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.44	24.42	24.45	26.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.31	24.26	24.43	26.0	0.0

**PC3 Part27Q n78 Ant6 DSI6**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.63	21.63	21.63		
100	PI2 BPSK	1	137	21.65	21.65	21.65	23.0	0.0
100	PI2 BPSK	1	271	21.75	21.75	21.75		
100	PI2 BPSK	135	0	21.66	21.66	21.66	23.0	0.0
100	PI2 BPSK	135	69	21.55	21.55	21.55	23.0	0.0
100	PI2 BPSK	135	138	21.58	21.58	21.58	23.0	0.0
100	PI2 BPSK	270	0	21.73	21.73	21.73	23.0	0.0
100	QPSK	1	1	21.74	21.74	21.74	23.0	0.0
100	QPSK	1	137	21.76	21.76	21.76	23.0	0.0
100	QPSK	1	271	21.58	21.58	21.58	23.0	0.0
100	QPSK	135	0	21.65	21.65	21.65	23.0	0.0
100	QPSK	135	69	21.68	21.68	21.68	23.0	0.0
100	QPSK	135	138	21.84	21.84	21.84	23.0	0.0
100	QPSK	270	0	21.57	21.57	21.57	23.0	0.0
100	16QAM	1	1	21.74	21.74	21.74	23.0	0.0
100	64QAM	1	1	21.62	21.62	21.62	22.5	0.0
100	256QAM	1	1	20.63	20.63	20.63	22.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.35	21.58	21.39	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.58	21.53	21.57	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.48	21.50	21.44	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.55	21.52	21.44	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.59	21.57	21.42	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.41	21.53	21.46	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.53	21.49	21.41	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.49	21.47	21.47	23.0	0.0

**PC2 Part27Q n78 Ant6 DSI6**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	24.58	24.58	24.58		
100	PI2 BPSK	1	137	24.58	24.58	24.58	26.0	0.0
100	PI2 BPSK	1	271	24.49	24.49	24.49		
100	PI2 BPSK	135	0	24.51	24.51	24.51	26.0	0.0
100	PI2 BPSK	135	69	24.49	24.49	24.49	26.0	0.0
100	PI2 BPSK	135	138	24.71	24.71	24.71	26.0	0.0
100	PI2 BPSK	270	0	24.58	24.58	24.58	26.0	0.0
100	QPSK	1	1	24.49	24.49	24.49	26.0	0.0
100	QPSK	1	137	24.73	24.73	24.73	26.0	0.0
100	QPSK	1	271	24.48	24.48	24.48	26.0	0.0
100	QPSK	135	0	24.68	24.68	24.68	26.0	0.0
100	QPSK	135	69	24.70	24.70	24.70	26.0	0.0
100	QPSK	135	138	24.49	24.49	24.49	26.0	0.0
100	QPSK	270	0	24.61	24.61	24.61	26.0	0.0
100	16QAM	1	1	24.56	24.56	24.56	26.0	0.0
100	64QAM	1	1	22.66	22.66	22.66	24.5	1.5
100	256QAM	1	1	20.55	20.55	20.55	22.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.45	24.60	24.52	26.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.43	24.46	24.46	26.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.55	24.49	24.49	26.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.60	24.44	24.45	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.59	24.41	24.35	26.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.60	24.39	24.38	26.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.47	24.53	24.53	26.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.40	24.55	24.41	26.0	0.0



n2 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				37200	37600	38000			
Frequency (MHz)				1890	1890	1900			
20	PI/2 BPSK	1	1	20.72	20.75	20.62			
20	PI/2 BPSK	1	26	20.63	20.71	20.64	22.0	0.0	
20	PI/2 BPSK	1	49	20.55	20.68	20.58			
20	PI/2 BPSK	25	0	20.03	20.18	20.07	21.5	0.5	
20	PI/2 BPSK	25	13	20.70	20.73	20.63	22.0	0.0	
20	PI/2 BPSK	25	26	20.08	20.20	20.08			
20	PI/2 BPSK	50	0	20.20	20.27	20.15	21.5	0.5	
20	QPSK	1	1	20.76	20.83	20.71			
20	QPSK	1	26	20.69	20.79	20.73	22.0	0.0	
20	QPSK	1	49	20.52	20.58	20.55			
20	QPSK	25	0	19.98	19.71	19.67	21.0	1.0	
20	QPSK	25	13	20.68	20.76	20.73	22.0	0.0	
20	QPSK	25	26	19.68	19.68	19.57			
20	QPSK	50	0	19.61	19.72	19.59	21.0	1.0	
20	16QAM	1	1	19.41	19.48	19.41	21.0	1.0	
20	64QAM	1	1	18.08	18.14	18.03	19.5	2.5	
20	256QAM	1	1	16.61	16.68	16.54	17.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1890	1902.5			
15	QPSK	1	1	20.65	20.80	20.57	22.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1890	1905			
10	QPSK	1	1	20.68	20.71	20.63	22.0	0.0	

n5 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				16800	167300	167600			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	21.68	21.73	21.70			
20	PI/2 BPSK	1	26	21.52	21.57	21.45	23.0	0.0	
20	PI/2 BPSK	1	49	21.46	21.54	21.48			
20	PI/2 BPSK	25	0	21.14	21.23	21.18	22.5	0.5	
20	PI/2 BPSK	25	13	21.66	21.69	21.54	23.0	0.0	
20	PI/2 BPSK	25	26	21.09	21.24	21.15			
20	PI/2 BPSK	50	0	21.15	21.29	21.15	22.5	0.5	
20	QPSK	1	1	21.71	21.76	21.63			
20	QPSK	1	26	21.60	21.65	21.57	23.0	0.0	
20	QPSK	1	49	21.44	21.50	21.43			
20	QPSK	25	0	20.60	20.75	20.65	22.0	1.0	
20	QPSK	25	13	21.60	21.70	21.62	23.0	0.0	
20	QPSK	25	26	20.54	20.66	20.58			
20	QPSK	50	0	20.69	20.73	20.62	22.0	1.0	
20	16QAM	1	1	20.29	20.41	20.38	22.0	1.0	
20	64QAM	1	1	18.78	18.82	18.89	20.5	2.5	
20	256QAM	1	1	17.40	17.52	17.46	18.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	21.62	21.71	21.53	23.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.66	21.69	21.49	23.0	0.0	



### Part270 n77 Ant11 DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 650000]	Power Middle Ch. [Freq. 656000]	Power High Ch. [Freq. 662000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.37	19.47	19.54		
100	Pi2 BPSK	1	137	19.48	19.38	19.20	20.0	0.0
100	Pi2 BPSK	1	271	19.32	19.46	19.36		
100	Pi2 BPSK	135	0	19.40	19.52	19.22	20.0	0.0
100	Pi2 BPSK	135	69	19.38	19.34	19.35	20.0	0.0
100	Pi2 BPSK	135	138	19.31	19.41	19.20	20.0	0.0
100	Pi2 BPSK	270	0	19.48	19.45	19.34		
100	QPSK	1	1	19.32	19.52	19.36		
100	QPSK	1	137	19.53	19.37	19.36	20.0	0.0
100	QPSK	1	271	19.51	19.49	19.25		
100	QPSK	135	0	19.36	19.45	19.22	20.0	0.0
100	QPSK	135	69	19.46	19.51	19.26	20.0	0.0
100	QPSK	135	138	19.48	19.34	19.33	20.0	0.0
100	QPSK	270	0	19.33	19.43	19.30		
100	16QAM	1	1	19.44	19.56	19.22	20.0	0.0
100	64QAM	1	1	19.43	19.40	19.37	20.0	0.0
100	256QAM	1	1	19.57	19.62	19.78	20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.37	19.56	19.28	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.33	19.51	19.29	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.45	19.40	19.35	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.36	19.53	19.28	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.42	19.52	19.21	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.53	19.33	19.35	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.51	19.42	19.22	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.31	19.50	19.27	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.45	19.41	19.21	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.44	19.45	19.30	20.0	0.0

### Part27Q n77 Ant11 DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 633000]	Power Middle Ch. [Freq. 633334]	Power High Ch. [Freq. 633668]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.83				
100	Pi2 BPSK	1	137	19.85			20.0	0.0
100	Pi2 BPSK	1	271	19.81				
100	Pi2 BPSK	135	0	19.73			20.0	0.0
100	Pi2 BPSK	135	69	19.80			20.0	0.0
100	Pi2 BPSK	135	138	19.86			20.0	0.0
100	Pi2 BPSK	270	0	19.81				
100	QPSK	1	1	19.85				
100	QPSK	1	137	19.90			20.0	0.0
100	QPSK	1	271	19.82				
100	QPSK	135	0	19.71			20.0	0.0
100	QPSK	135	69	19.83			20.0	0.0
100	QPSK	135	138	19.77			20.0	0.0
100	QPSK	270	0	19.71				
100	16QAM	1	1	19.85			20.0	0.0
100	64QAM	1	1	19.75			20.0	0.0
100	256QAM	1	1	19.83			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.57	19.66	19.69	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.61	19.57	19.79	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.72	19.75	19.74	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.71	19.56	19.89	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.74	19.66	19.73	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.67	19.77	19.86	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.62	19.58	19.62	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.77	19.75	19.72	20.0	0.0

### PC3 Part270 n78 Ant11 DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 648668]	Power Middle Ch. [Freq. 650000]	Power High Ch. [Freq. 651334]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.34				
100	Pi2 BPSK	1	137	18.37			19.0	0.0
100	Pi2 BPSK	1	271	18.38				
100	Pi2 BPSK	135	0	18.47			19.0	0.0
100	Pi2 BPSK	135	69	18.34			19.0	0.0
100	Pi2 BPSK	135	138	18.25			19.0	0.0
100	Pi2 BPSK	270	0	18.39				
100	QPSK	1	1	18.32				
100	QPSK	1	137	18.50			19.0	0.0
100	QPSK	1	271	18.38				
100	QPSK	135	0	18.27			19.0	0.0
100	QPSK	135	69	18.42			19.0	0.0
100	QPSK	135	138	18.34			19.0	0.0
100	QPSK	270	0	18.31				
100	16QAM	1	1	18.36			19.0	0.0
100	64QAM	1	1	18.44			19.0	0.0
100	256QAM	1	1	18.36			19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.29	18.34	18.32	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.28	18.35	18.16	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.18	18.18	18.23	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.21	18.29	18.20	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.21	18.26	18.14	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.27	18.33	18.21	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.27	18.13	18.25	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.33	18.15	18.23	19.0	0.0





PC2 Part270 n78 Ant11 DS16										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	20.82	20.82	20.82				
100	PI2 BPSK	1	137	21.08	21.08	21.08	22.0	0.0		
100	PI2 BPSK	1	271	21.08	21.08	21.08				
100	PI2 BPSK	135	0	21.07	21.07	21.07	22.0	0.0		
100	PI2 BPSK	135	69	20.99	20.99	20.99	22.0	0.0		
100	PI2 BPSK	135	138	20.91	20.91	20.91	22.0	0.0		
100	PI2 BPSK	270	0	20.98	20.98	20.98				
100	QPSK	1	1	20.97	20.97	20.97				
100	QPSK	1	137	21.13	21.13	21.13	22.0	0.0		
100	QPSK	1	271	21.04	21.04	21.04				
100	QPSK	135	0	20.94	20.94	20.94	22.0	0.0		
100	QPSK	135	69	21.08	21.08	21.08	22.0	0.0		
100	QPSK	135	138	21.01	21.01	21.01	22.0	0.0		
100	QPSK	270	0	20.91	20.91	20.91	22.0	0.0		
100	16QAM	1	1	21.11	21.11	21.11	22.0	0.0		
100	64QAM	1	1	21.11	21.11	21.11	22.0	0.0		
100	256QAM	1	1	20.82	20.82	20.82	22.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	64968	65000	65034	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	64868	65000	65134	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	3720.02	3750	3780.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	64834	65000	65168	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	20.82	20.82	20.82	22.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	64734	65000	65268	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3705	3750	3795	Tune-up limit (dBm)	MPR (dB)		

PC3 Part27Q n78 Ant11 DS16										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	17.57	17.57	17.57				
100	PI2 BPSK	1	137	17.44	17.44	17.44	19.0	0.0		
100	PI2 BPSK	1	271	17.48	17.48	17.48				
100	PI2 BPSK	135	0	17.76	17.76	17.76	19.0	0.0		
100	PI2 BPSK	135	69	17.49	17.49	17.49	19.0	0.0		
100	PI2 BPSK	135	138	17.38	17.38	17.38	19.0	0.0		
100	PI2 BPSK	270	0	17.54	17.54	17.54				
100	QPSK	1	1	17.47	17.47	17.47				
100	QPSK	1	137	17.79	17.79	17.79	19.0	0.0		
100	QPSK	1	271	17.47	17.47	17.47				
100	QPSK	135	0	17.53	17.53	17.53	19.0	0.0		
100	QPSK	135	69	17.75	17.75	17.75	19.0	0.0		
100	QPSK	135	138	17.63	17.63	17.63	19.0	0.0		
100	QPSK	270	0	17.55	17.55	17.55	19.0	0.0		
100	16QAM	1	1	17.64	17.64	17.64	19.0	0.0		
100	64QAM	1	1	17.75	17.75	17.75	19.0	0.0		
100	256QAM	1	1	17.55	17.55	17.55	19.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63008	63334	63668	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	3480.02	3500.01	3520.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	63168	63334	63500	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3470.01	3500.01	3540	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	63050	63334	63618	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3465.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)		

PC2 Part27Q n78 Ant11 DS16										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	20.08	20.08	20.08				
100	PI2 BPSK	1	137	20.24	20.24	20.24	22.0	0.0		
100	PI2 BPSK	1	271	20.25	20.25	20.25				
100	PI2 BPSK	135	0	20.20	20.20	20.20	22.0	0.0		
100	PI2 BPSK	135	69	20.13	20.13	20.13	22.0	0.0		
100	PI2 BPSK	135	138	20.04	20.04	20.04	22.0	0.0		
100	PI2 BPSK	270	0	20.02	20.02	20.02				
100	QPSK	1	1	20.15	20.15	20.15				
100	QPSK	1	137	20.25	20.25	20.25	22.0	0.0		
100	QPSK	1	271	20.08	20.08	20.08				
100	QPSK	135	0	20.07	20.07	20.07	22.0	0.0		
100	QPSK	135	69	20.20	20.20	20.20	22.0	0.0		
100	QPSK	135	138	20.13	20.13	20.13	22.0	0.0		
100	QPSK	270	0	20.12	20.12	20.12	22.0	0.0		
100	16QAM	1	1	20.24	20.24	20.24	22.0	0.0		
100	64QAM	1	1	20.34	20.34	20.34	22.0	0.0		
100	256QAM	1	1	20.07	20.07	20.07	22.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63008	63334	63668	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	3480.02	3500.01	3520.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	63168	63334	63500	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3470.01	3500.01	3540	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	63050	63334	63618	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3465.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)		



Reduced Power for DSI 7 for 5G NR DFT-30 for Main PA

n2 Ant1 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 372000	Middle Ch. / Freq. 376000	High Ch. / Freq. 380000			
Channel				1500	1500	1500			
Frequency (MHz)									
20	PI/2 BPSK	1	1	17.60	17.25	17.72	19.0	0.0	
20	PI/2 BPSK	1	26	17.74	17.78	17.67			
20	PI/2 BPSK	1	49	17.70	17.88	17.58			
20	PI/2 BPSK	25	0	17.73	17.78	17.68	19.0	0.0	
20	PI/2 BPSK	25	13	17.64	17.91	17.62	19.0	0.0	
20	PI/2 BPSK	25	26	17.73	17.83	17.52	19.0	0.0	
20	PI/2 BPSK	50	0	17.64	17.58	17.62			
20	QPSK	1	1	17.80	17.95	17.72			
20	QPSK	1	26	17.72	17.77	17.59	19.0	0.0	
20	QPSK	1	49	17.68	17.76	17.58			
20	QPSK	25	0	17.71	17.89	17.70	19.0	0.0	
20	QPSK	25	13	17.80	17.91	17.72	19.0	0.0	
20	QPSK	25	26	17.71	17.86	17.52	19.0	0.0	
20	QPSK	50	0	17.81	17.93	17.63			
20	16QAM	1	1	17.72	17.83	17.67	19.0	0.0	
20	64QAM	1	1	17.81	17.91	17.58	19.0	0.0	
20	256QAM	1	1	17.64	17.73	17.71	19.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1537.5	1500	1520.5			
15	QPSK	1	1	17.63	17.88	17.66	19.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	17.75	17.76	17.68	19.0	0.0	

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 166800	Middle Ch. / Freq. 167300	High Ch. / Freq. 167800			
Channel				834	836.5	839			
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.00	23.05	22.94			
20	PI/2 BPSK	1	26	22.90	23.00	22.88	24.0	0.0	
20	PI/2 BPSK	1	49	22.84	22.96	22.84			
20	PI/2 BPSK	25	0	22.57	22.62	22.55	23.5	0.5	
20	PI/2 BPSK	25	13	22.91	23.06	23.02	24.0	0.0	
20	PI/2 BPSK	25	26	22.43	22.54	22.46	23.5	0.5	
20	PI/2 BPSK	50	0	22.54	22.63	22.54			
20	QPSK	1	1	23.04	23.14	23.10			
20	QPSK	1	26	22.93	23.04	22.99	24.0	0.0	
20	QPSK	1	49	22.79	22.90	22.84			
20	QPSK	25	0	22.10	22.16	22.13	23.0	1.0	
20	QPSK	25	13	22.95	23.06	22.95	24.0	0.0	
20	QPSK	25	26	22.00	22.03	22.00	23.0	1.0	
20	QPSK	50	0	22.06	22.11	21.97			
20	16QAM	1	1	21.69	21.76	21.70	23.0	1.0	
20	64QAM	1	1	20.14	20.19	20.15	21.5	2.5	
20	256QAM	1	1	18.63	18.75	18.69	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.98	23.08	23.03	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.90	23.01	22.96	24.0	0.0	



### n7 Ant2 Default

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.92	23.02	22.87	24.0	0.0
20	PI/2 BPSK	1	26	22.81	22.96	22.84		
20	PI/2 BPSK	1	49	22.87	22.91	22.78		
20	PI/2 BPSK	25	0	22.38	22.52	22.47	23.5	0.5
20	PI/2 BPSK	25	13	22.97	23.01	22.95	24.0	0.0
20	PI/2 BPSK	25	26	22.50	22.54	22.40	23.5	0.5
20	PI/2 BPSK	50	0	22.45	22.58	22.48		
20	QPSK	1	1	22.97	23.05	23.04	24.0	0.0
20	QPSK	1	26	22.92	23.02	22.88		
20	QPSK	1	49	22.88	22.94	22.85		
20	QPSK	25	0	21.98	22.01	21.91	23.0	1.0
20	QPSK	25	13	22.98	23.03	22.91	24.0	0.0
20	QPSK	25	26	21.98	22.07	21.96	23.0	1.0
20	QPSK	50	0	22.02	22.11	21.97		
20	16QAM	1	1	21.53	21.64	21.49	23.0	1.0
20	64QAM	1	1	20.22	20.28	20.24	21.5	2.5
20	256QAM	1	1	18.83	18.85	18.72	19.5	4.5
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.89	23.00	22.88	24.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.83	22.98	22.84	24.0	0.0



n38 Ant2 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.28	22.30	22.32			
40	PI2 BPSK	1	53	22.97	23.07	22.92	24.0	0.0	
40	PI2 BPSK	1	104	22.49	22.56	22.50			
40	PI2 BPSK	50	0	22.34	22.48	22.45	23.5	0.5	
40	PI2 BPSK	50	28	22.95	23.07	22.93	24.0	0.0	
40	PI2 BPSK	50	56	22.33	22.36	22.24			
40	PI2 BPSK	100	0	22.37	22.49	22.37	23.5	0.5	
40	QPSK	1	1	22.33	22.44	22.41			
40	QPSK	1	53	23.07	23.11	23.02	24.0	0.0	
40	QPSK	1	104	22.49	22.53	22.44			
40	QPSK	50	0	21.75	21.90	21.82	23.0	1.0	
40	QPSK	50	28	22.92	23.03	22.96	24.0	0.0	
40	QPSK	50	56	21.76	21.87	21.77			
40	QPSK	100	0	21.83	21.95	21.86	23.0	1.0	
40	16QAM	1	1	21.08	21.16	21.05	23.0	1.0	
40	64QAM	1	1	19.73	19.83	19.75	21.5	2.5	
40	256QAM	1	1	18.34	18.42	18.32	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.01	22.99	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.97	22.97	22.98	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.02	23.00	22.93	19.0	2.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.03	23.04	22.96	19.0	2.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.99	23.08	22.90	19.0	4.5	

n41 Ant2 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.02	22.06	22.03			
100	PI2 BPSK	1	137	23.06	23.09	22.99	24.0	0.0	
100	PI2 BPSK	1	271	22.01	22.10	22.04			
100	PI2 BPSK	135	0	22.35	22.38	22.27	23.5	0.5	
100	PI2 BPSK	135	69	23.07	23.16	23.13	24.0	0.0	
100	PI2 BPSK	135	138	22.26	22.37	22.24			
100	PI2 BPSK	270	0	22.32	22.44	22.35	23.5	0.5	
100	QPSK	1	1	22.03	22.11	22.07			
100	QPSK	1	137	23.16	23.21	22.96	24.0	0.0	
100	QPSK	1	271	22.10	22.14	22.11			
100	QPSK	135	0	21.83	21.90	21.85	23.0	1.0	
100	QPSK	135	69	23.01	23.12	23.09	24.0	0.0	
100	QPSK	135	138	21.74	21.87	21.74			
100	QPSK	270	0	21.81	21.95	21.84	23.0	1.0	
100	16QAM	1	1	21.18	21.23	21.13	23.0	1.0	
100	64QAM	1	1	19.68	19.74	19.66	21.5	2.5	
100	256QAM	1	1	18.23	18.31	18.26	19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.05	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.08	23.17	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.05	23.10	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.11	23.13	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.01	23.08	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.04	23.06	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.12	23.09	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.09	23.18	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.12	23.15	22.86	24.0	0.0	

Part270 n77 Ant2 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)									
100	PI2 BPSK	1	1	19.30	19.63	19.59			
100	PI2 BPSK	1	137	19.20	19.76	19.58	20.0	0.0	
100	PI2 BPSK	1	271	19.36	19.82	19.84			
100	PI2 BPSK	135	0	19.40	19.65	19.70	20.0	0.0	
100	PI2 BPSK	135	69	19.37	19.75	19.73	20.0	0.0	
100	PI2 BPSK	135	138	19.19	19.71	19.52			
100	PI2 BPSK	270	0	19.35	19.81	19.82	20.0	0.0	
100	QPSK	1	1	19.39	19.80	19.72			
100	QPSK	1	137	19.30	19.82	19.74	20.0	0.0	
100	QPSK	1	271	19.25	19.72	19.80			
100	QPSK	135	0	19.23	19.65	19.75	20.0	0.0	
100	QPSK	135	69	19.20	19.78	19.62	20.0	0.0	
100	QPSK	135	138	19.25	19.64	19.72			
100	QPSK	270	0	19.25	19.75	19.54	20.0	0.0	
100	16QAM	1	1	19.25	19.67	19.64	20.0	0.0	
100	64QAM	1	1	19.46	19.53	19.40	20.0	0.0	
100	256QAM	1	1	19.22	19.40	19.33	20.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.32	19.76	19.59	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.20	19.81	19.68	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.23	19.40	19.65	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.26	19.70	19.59	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.19	19.80	19.70	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.32	19.70	19.60	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.29	19.72	19.61	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.28	19.69	19.58	20.0	0.0	



### Part27Q n77 Ant2 DSI3

EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.43	3500.01			
100	PI2 BPSK	1	137	19.47			20.0	0.0
100	PI2 BPSK	1	271	19.42				
100	PI2 BPSK	135	0	19.52			20.0	0.0
100	PI2 BPSK	135	69	19.52			20.0	0.0
100	PI2 BPSK	135	138	19.51			20.0	0.0
100	PI2 BPSK	270	0	19.40				
100	QPSK	1	1	19.50			20.0	0.0
100	QPSK	1	137	19.53				
100	QPSK	1	271	19.47			20.0	0.0
100	QPSK	135	0	19.49			20.0	0.0
100	QPSK	135	69	19.56			20.0	0.0
100	QPSK	135	138	19.41			20.0	0.0
100	QPSK	270	0	19.50			20.0	0.0
100	16QAM	1	1	19.52			20.0	0.0
100	16QAM	1	1	19.42			20.0	0.0
100	256QAM	1	1	19.44			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.38	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.34	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.23	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.20	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.20	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.27	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.13	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.38	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)

### PC3 Part27O n78 Ant2 DSI3

EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.55	3750			
100	PI2 BPSK	1	137	20.07			21.5	0.0
100	PI2 BPSK	1	271	19.60				
100	PI2 BPSK	135	0	20.13			21.5	0.0
100	PI2 BPSK	135	69	20.27			21.5	0.0
100	PI2 BPSK	135	138	20.17			21.5	0.0
100	PI2 BPSK	270	0	20.22				
100	QPSK	1	1	19.59			21.5	0.0
100	QPSK	1	137	20.41				
100	QPSK	1	271	19.54			21.5	0.0
100	QPSK	135	0	19.93			21.5	0.0
100	QPSK	135	69	20.38			21.5	0.0
100	QPSK	135	138	20.04			21.5	0.0
100	QPSK	270	0	20.09			21.5	0.0
100	16QAM	1	1	19.76			21.5	0.0
100	16QAM	1	1	19.82			21.5	0.0
100	256QAM	1	1	19.86			21.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.16	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.23	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.19	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.11	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.14	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.13	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.29	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.11	3750	3755.01	Tune-up limit (dBm)	MPR (dB)

### PC2 Part27O n78 Ant2 DSI3

EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.61	3750			
100	PI2 BPSK	1	137	22.41			23.5	0.0
100	PI2 BPSK	1	271	21.81				
100	PI2 BPSK	135	0	21.71			23.5	0.0
100	PI2 BPSK	135	69	22.36			23.5	0.0
100	PI2 BPSK	135	138	21.70			23.5	0.0
100	PI2 BPSK	270	0	21.95				
100	QPSK	1	1	21.53			23.5	0.0
100	QPSK	1	137	22.20				
100	QPSK	1	271	21.74			23.5	0.0
100	QPSK	135	0	21.84			23.5	0.0
100	QPSK	135	69	22.34			23.5	0.0
100	QPSK	135	138	21.88			23.5	0.0
100	QPSK	270	0	21.90			23.5	0.0
100	16QAM	1	1	21.79			23.5	0.0
100	16QAM	1	1	21.85			23.5	0.0
100	256QAM	1	1	20.61			22.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.10	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.27	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.22	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.20	3750	3755.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.29	3750	3780	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.28	3750	3780	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.20	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.29	3750	3755.01	Tune-up limit (dBm)	MPR (dB)



PC3 Part27Q n78 Ant2 DSI3									
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	19.53	350.01				
100	PI2 BPSK	1	137	20.27			21.5	0.0	
100	PI2 BPSK	1	271	19.53					
100	PI2 BPSK	135	0	19.55			21.5	0.0	
100	PI2 BPSK	135	69	20.16			21.5	0.0	
100	PI2 BPSK	135	138	19.74			21.5	0.0	
100	PI2 BPSK	270	0	19.87					
100	QPSK	1	1	19.59					
100	QPSK	1	137	20.35			21.5	0.0	
100	QPSK	1	271	19.62					
100	QPSK	135	0	19.81			21.5	0.0	
100	QPSK	135	69	20.25			21.5	0.0	
100	QPSK	135	138	20.13			21.5	0.0	
100	QPSK	270	0	20.07					
100	16QAM	1	1	20.12			21.5	0.0	
100	16QAM	1	1	19.82			21.5	0.0	
100	256QAM	1	1	19.57			21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.05	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.09	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.05	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.12	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.14	350.01	350.01	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.11	350.01	350.01	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.59	350.01	350.01	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.13	350.01	350.01	21.5	0.0	

PC2 Part27Q n78 Ant2 DSI3									
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	21.57	350.01				
100	PI2 BPSK	1	137	22.03			23.5	0.0	
100	PI2 BPSK	1	271	21.56					
100	PI2 BPSK	135	0	21.77			23.5	0.0	
100	PI2 BPSK	135	69	21.96			23.5	0.0	
100	PI2 BPSK	135	138	21.81			23.5	0.0	
100	PI2 BPSK	270	0	21.55					
100	QPSK	1	1	21.85					
100	QPSK	1	137	22.16			23.5	0.0	
100	QPSK	1	271	21.71					
100	QPSK	135	0	21.70			23.5	0.0	
100	QPSK	135	69	22.15			23.5	0.0	
100	QPSK	135	138	21.86			23.5	0.0	
100	QPSK	270	0	21.85					
100	16QAM	1	1	22.10			23.5	0.0	
100	16QAM	1	1	21.83			23.5	0.0	
100	256QAM	1	1	20.99			23.5	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.55	350.01	350.02	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.62	350.01	350.02	23.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.59	350.01	350.02	23.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.58	350.01	350.02	23.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.53	350.01	350.01	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.62	350.01	350.01	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.71	350.01	350.01	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.55	350.01	350.01	23.5	0.0	



### Part270 n77 Ant4 DSI7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.63	20.74	20.85		
100	PI2 BPSK	1	137	20.66	20.75	20.86	21.0	0.0
100	PI2 BPSK	1	271	20.78	20.90	20.92		
100	PI2 BPSK	135	0	20.70	20.86	20.90	21.0	0.0
100	PI2 BPSK	135	69	20.81	20.76	20.83	21.0	0.0
100	PI2 BPSK	135	138	20.59	20.76	20.48		
100	PI2 BPSK	270	0	20.72	20.82	20.84	21.0	0.0
100	QPSK	1	1	20.72	20.82	20.84		
100	QPSK	1	137	20.78	20.92	20.70		
100	QPSK	1	271	20.77	20.70	20.81	21.0	0.0
100	QPSK	135	0	20.77	20.80	20.69	21.0	0.0
100	QPSK	135	69	20.58	20.89	20.85	21.0	0.0
100	QPSK	135	138	20.69	20.88	20.71		
100	QPSK	270	0	20.77	20.80	20.85	21.0	0.0
100	16QAM	1	1	20.80	20.84	20.60	21.0	0.0
100	64QAM	1	1	20.74	20.73	20.67	21.0	0.0
100	ZS9QAM	1	1	18.05	19.13	19.08	21.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.68	20.84	20.54	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.84	20.54	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.57	20.90	20.57	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.65	20.67	20.71	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.77	20.71	20.58	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.73	20.86	20.66	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.74	20.74	20.68	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.72	20.75	20.66	21.0	0.0

### Part27Q n77 Ant4 DSI7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.08				
100	PI2 BPSK	1	137	20.13			21.0	0.0
100	PI2 BPSK	1	271	20.12				
100	PI2 BPSK	135	0	20.19			21.0	0.0
100	PI2 BPSK	135	69	20.20			21.0	0.0
100	PI2 BPSK	135	138	20.07				
100	PI2 BPSK	270	0	20.12			21.0	0.0
100	QPSK	1	1	20.18				
100	QPSK	1	137	20.22				
100	QPSK	1	271	20.02			21.0	0.0
100	QPSK	135	0	20.03			21.0	0.0
100	QPSK	135	69	20.13			21.0	0.0
100	QPSK	135	138	20.11				
100	QPSK	270	0	20.10			21.0	0.0
100	16QAM	1	1	20.00			21.0	0.0
100	64QAM	1	1	20.18			21.0	0.0
100	ZS9QAM	1	1	19.52			21.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.91	19.95	20.09	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.95	19.92	19.93	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.95	19.97	19.96	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.98	20.13	20.08	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.04	20.04	20.11	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.11	20.04	20.00	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.99	19.98	20.14	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.99	20.14	20.00	21.0	0.0

### PC3 Part270 n78 Ant4 DSI7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	17.83				
100	PI2 BPSK	1	137	17.89			18.5	0.0
100	PI2 BPSK	1	271	17.91				
100	PI2 BPSK	135	0	17.88			18.5	0.0
100	PI2 BPSK	135	69	17.82			18.5	0.0
100	PI2 BPSK	135	138	18.02				
100	PI2 BPSK	270	0	17.80			18.5	0.0
100	QPSK	1	1	17.91				
100	QPSK	1	137	18.03				
100	QPSK	1	271	17.98			18.5	0.0
100	QPSK	135	0	17.91			18.5	0.0
100	QPSK	135	69	17.84			18.5	0.0
100	QPSK	135	138	17.84				
100	QPSK	270	0	17.81			18.5	0.0
100	16QAM	1	1	17.84			18.5	0.0
100	64QAM	1	1	17.85			18.5	0.0
100	ZS9QAM	1	1	17.53			18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.71	17.78	17.93	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.72	17.78	17.72	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.78	17.68	17.74	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.80	17.67	17.86	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.80	17.82	17.93	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.82	17.72	17.72	18.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.78	17.76	17.90	18.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.83	17.83	17.80	18.5	0.0



**PC2 Part270 n78 Ant4 DSI7**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.82	3750			
100	PI2 BPSK	1	137	20.83			21.5	0.0
100	PI2 BPSK	1	271	20.70				
100	PI2 BPSK	135	0	20.72			21.5	0.0
100	PI2 BPSK	135	69	20.73			21.5	0.0
100	PI2 BPSK	135	138	20.64			21.5	0.0
100	PI2 BPSK	270	0	20.72			21.5	0.0
100	QPSK	1	1	20.69				
100	QPSK	1	137	20.85			21.5	0.0
100	QPSK	1	271	20.63				
100	QPSK	135	0	20.87			21.5	0.0
100	QPSK	135	69	20.95			21.5	0.0
100	QPSK	135	138	20.73			21.5	0.0
100	QPSK	270	0	20.65			21.5	0.0
100	16QAM	1	1	20.77			21.5	0.0
100	64QAM	1	1	20.78			21.5	0.0
100	256QAM	1	1	20.75			21.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.74	20.50	20.55	21.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.76	20.41	20.69	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.81	20.44	20.53	21.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.80	20.42	20.54	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.61	20.57	20.70	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.71	20.40	20.57	21.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.84	20.55	20.51	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.80	20.57	20.69	21.5	0.0

**PC3 Part27Q n78 Ant4 DSI7**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	17.43	3500.01			
100	PI2 BPSK	1	137	17.65			18.5	0.0
100	PI2 BPSK	1	271	17.52				
100	PI2 BPSK	135	0	17.67			18.5	0.0
100	PI2 BPSK	135	69	17.50			18.5	0.0
100	PI2 BPSK	135	138	17.71			18.5	0.0
100	PI2 BPSK	270	0	17.40			18.5	0.0
100	QPSK	1	1	17.74				
100	QPSK	1	137	17.80			18.5	0.0
100	QPSK	1	271	17.62				
100	QPSK	135	0	17.52			18.5	0.0
100	QPSK	135	69	17.78			18.5	0.0
100	QPSK	135	138	17.76			18.5	0.0
100	QPSK	270	0	17.43			18.5	0.0
100	16QAM	1	1	17.43			18.5	0.0
100	64QAM	1	1	17.51			18.5	0.0
100	256QAM	1	1	17.59			18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.47	17.33	17.51	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.51	17.30	17.43	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.39	17.24	17.44	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.46	17.25	17.40	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.50	17.22	17.51	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.39	17.23	17.55	18.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.42	17.43	17.48	18.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.48	17.33	17.53	18.5	0.0

**PC2 Part27Q n78 Ant4 DSI7**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.82	3500.01			
100	PI2 BPSK	1	137	20.81			21.5	0.0
100	PI2 BPSK	1	271	20.65				
100	PI2 BPSK	135	0	20.87			21.5	0.0
100	PI2 BPSK	135	69	20.69			21.5	0.0
100	PI2 BPSK	135	138	20.78			21.5	0.0
100	PI2 BPSK	270	0	20.70			21.5	0.0
100	QPSK	1	1	20.53				
100	QPSK	1	137	21.01			21.5	0.0
100	QPSK	1	271	20.97				
100	QPSK	135	0	20.77			21.5	0.0
100	QPSK	135	69	20.95			21.5	0.0
100	QPSK	135	138	20.77			21.5	0.0
100	QPSK	270	0	20.64			21.5	0.0
100	16QAM	1	1	20.92			21.5	0.0
100	64QAM	1	1	20.99			21.5	0.0
100	256QAM	1	1	20.98			21.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.79	20.61	20.59	21.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.69	20.59	20.60	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.69	20.54	20.62	21.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.69	20.63	20.60	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.72	20.67	20.68	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.80	20.73	20.65	21.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.73	20.73	20.71	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.21	19.05	19.30	21.5	0.0





### Part27Q n77 Ant6 DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 650000]	Power Middle Ch. [Freq. 656000]	Power High Ch. [Freq. 662000]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.07	22.06	22.04		
100	PI2 BPSK	1	137	21.90	21.98	22.03	23.0	0.0
100	PI2 BPSK	1	271	21.87	22.00	22.11		
100	PI2 BPSK	135	0	21.90	22.06	22.10	23.0	0.0
100	PI2 BPSK	135	69	22.06	22.04	22.06	23.0	0.0
100	PI2 BPSK	135	138	21.86	22.08	22.02		
100	PI2 BPSK	270	0	21.88	22.12	22.06	23.0	0.0
100	QPSK	1	1	21.90	22.04	22.08		
100	QPSK	1	137	22.06	22.16	22.12		
100	QPSK	1	271	21.90	22.01	21.93	23.0	0.0
100	QPSK	135	0	21.98	21.93	22.05	23.0	0.0
100	QPSK	135	69	21.91	22.08	21.97	23.0	0.0
100	QPSK	135	138	21.91	21.93	21.94		
100	QPSK	270	0	22.00	22.05	22.04	23.0	0.0
100	16QAM	1	1	22.00	22.11	22.06	23.0	0.0
100	64QAM	1	1	19.51	19.53	19.58	21.5	1.5
100	Z96QAM	1	1	18.15	18.33	18.15	18.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.88	22.00	22.12	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.91	22.06	22.05	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.88	22.11	21.94	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.93	21.99	22.08	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.88	22.05	22.14	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.03	22.14	21.94	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.99	22.13	22.05	23.0	0.0

### Part27Q n77 Ant6 DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 630000]	Power Middle Ch. [Freq. 633334]	Power High Ch. [Freq. 636668]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.25	22.25	22.25		
100	PI2 BPSK	1	137	22.26	22.26	22.26	23.0	0.0
100	PI2 BPSK	1	271	22.25	22.25	22.25		
100	PI2 BPSK	135	0	22.17	22.17	22.17	23.0	0.0
100	PI2 BPSK	135	69	22.25	22.25	22.25	23.0	0.0
100	PI2 BPSK	135	138	22.19	22.19	22.19		
100	PI2 BPSK	270	0	22.14	22.14	22.14	23.0	0.0
100	QPSK	1	1	22.32	22.32	22.32		
100	QPSK	1	137	22.36	22.36	22.36		
100	QPSK	1	271	22.33	22.33	22.33	23.0	0.0
100	QPSK	135	0	21.90	21.90	21.90	23.0	0.0
100	QPSK	135	69	22.33	22.33	22.33	23.0	0.0
100	QPSK	135	138	21.83	21.83	21.83		
100	QPSK	270	0	22.25	22.25	22.25	23.0	0.0
100	16QAM	1	1	21.22	21.22	21.22	23.0	0.0
100	64QAM	1	1	19.62	19.62	19.62	21.5	1.5
100	Z96QAM	1	1	18.16	18.16	18.16	18.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.02	22.06	22.15	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.11	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.11	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.99	22.05	22.15	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.04	21.99	22.10	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.13	21.95	21.94	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.09	22.04	22.10	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.99	22.10	21.99	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.12	21.95	21.95	23.0	0.0

### PC3 Part27Q n78 Ant6 DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 648668]	Power Middle Ch. [Freq. 650000]	Power High Ch. [Freq. 651334]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.63	20.63	20.63		
100	PI2 BPSK	1	137	20.54	20.54	20.54	22.0	0.0
100	PI2 BPSK	1	271	20.71	20.71	20.71		
100	PI2 BPSK	135	0	20.80	20.80	20.80	22.0	0.0
100	PI2 BPSK	135	69	20.55	20.55	20.55	23.0	0.0
100	PI2 BPSK	135	138	20.70	20.70	20.70		
100	PI2 BPSK	270	0	20.57	20.57	20.57	22.0	0.0
100	QPSK	1	1	20.51	20.51	20.51		
100	QPSK	1	137	20.75	20.75	20.75		
100	QPSK	1	271	20.52	20.52	20.52	22.0	0.0
100	QPSK	135	0	20.61	20.61	20.61	22.0	0.0
100	QPSK	135	69	20.73	20.73	20.73	22.0	0.0
100	QPSK	135	138	20.70	20.70	20.70		
100	QPSK	270	0	20.80	20.80	20.80	22.0	0.0
100	16QAM	1	1	20.59	20.59	20.59	22.0	0.0
100	64QAM	1	1	20.73	20.73	20.73	22.0	0.0
100	Z96QAM	1	1	20.74	20.74	20.74	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.61	20.72	20.52	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.60	20.58	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.60	20.58	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.68	20.52	20.62	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.60	20.71	20.51	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.71	20.86	20.81	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.60	20.56	20.61	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.58	20.54	20.54	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.55	20.58	20.73	22.0	0.0



**PC2 Part270 n78 Ant6 DSI7**

EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.58	23.70			
100	PI2 BPSK	1	137	23.67			25.0	0.0
100	PI2 BPSK	1	271	23.51				
100	PI2 BPSK	135	0	23.71			25.0	0.0
100	PI2 BPSK	135	69	23.62			25.0	0.0
100	PI2 BPSK	135	138	23.73			25.0	0.0
100	PI2 BPSK	270	0	23.56				
100	QPSK	1	1	23.65			25.0	0.0
100	QPSK	1	137	23.75				
100	QPSK	1	271	23.66			25.0	0.0
100	QPSK	135	0	23.70			25.0	0.0
100	QPSK	135	69	23.73			25.0	0.0
100	QPSK	135	138	23.68			25.0	0.0
100	QPSK	270	0	23.65			25.0	0.0
100	16QAM	1	1	23.68			25.0	0.0
100	64QAM	1	1	22.51			24.5	0.5
100	256QAM	1	1	20.67			22.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.47	23.54	23.56	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3720.02	3750	3790.01	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3740.01	3750	3760.02	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65168	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3725.01	3750	3775.02	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.58	23.51	23.47	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65268	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3700.01	3750	3760.02	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.44	23.52	23.66	25.0	0.0

**PC3 Part27Q n78 Ant6 DSI7**

EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.77	3000.01			
100	PI2 BPSK	1	137	20.65			22.0	0.0
100	PI2 BPSK	1	271	20.83				
100	PI2 BPSK	135	0	20.74			22.0	0.0
100	PI2 BPSK	135	69	20.51			22.0	0.0
100	PI2 BPSK	135	138	20.83			22.0	0.0
100	PI2 BPSK	270	0	20.67				
100	QPSK	1	1	20.48			22.0	0.0
100	QPSK	1	137	20.48				
100	QPSK	1	271	20.52			22.0	0.0
100	QPSK	135	0	20.54			22.0	0.0
100	QPSK	135	69	20.72			22.0	0.0
100	QPSK	135	138	20.66			22.0	0.0
100	QPSK	270	0	20.54			22.0	0.0
100	16QAM	1	1	20.59			22.0	0.0
100	64QAM	1	1	20.76			22.0	0.0
100	256QAM	1	1	20.45			22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.70	20.73	20.59	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.64	20.69	20.57	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.67	20.69	20.64	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.62	20.72	20.45	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3475.02	3500.01	3525.02	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3475.02	3500.01	3525.02	25.0	0.0

**PC2 Part27Q n78 Ant6 DSI7**

EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.50	3000.01			
100	PI2 BPSK	1	137	23.74			25.0	0.0
100	PI2 BPSK	1	271	23.61				
100	PI2 BPSK	135	0	23.69			25.0	0.0
100	PI2 BPSK	135	69	23.68			25.0	0.0
100	PI2 BPSK	135	138	23.74			25.0	0.0
100	PI2 BPSK	270	0	23.65				
100	QPSK	1	1	23.73			25.0	0.0
100	QPSK	1	137	23.60				
100	QPSK	1	271	23.76			25.0	0.0
100	QPSK	135	0	23.81			25.0	0.0
100	QPSK	135	69	23.85			25.0	0.0
100	QPSK	135	138	23.83			25.0	0.0
100	QPSK	270	0	23.65			25.0	0.0
100	16QAM	1	1	23.68			25.0	0.0
100	64QAM	1	1	22.51			24.5	0.5
100	256QAM	1	1	20.78			22.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.62	23.54	23.53	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.55	23.63	23.55	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63000	63334	63468	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.60	23.63	23.43	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.64	23.59	23.42	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3475.02	3500.01	3525.02	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3475.02	3500.01	3525.02	25.0	0.0



n2 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				37200	37600	38000			
Frequency (MHz)				1890	1890	1900			
20	PI/2 BPSK	1	1	20.72	20.75	20.62			
20	PI/2 BPSK	1	26	20.63	20.71	20.64	22.0	0.0	
20	PI/2 BPSK	1	49	20.55	20.68	20.58			
20	PI/2 BPSK	25	0	20.03	20.18	20.07	21.5	0.5	
20	PI/2 BPSK	25	13	20.70	20.73	20.63	22.0	0.0	
20	PI/2 BPSK	25	26	20.08	20.20	20.08			
20	PI/2 BPSK	50	0	20.20	20.27	20.15	21.5	0.5	
20	QPSK	1	1	20.76	20.83	20.71			
20	QPSK	1	26	20.69	20.79	20.73	22.0	0.0	
20	QPSK	1	49	20.52	20.58	20.55			
20	QPSK	25	0	19.98	19.71	19.67	21.0	1.0	
20	QPSK	25	13	20.68	20.76	20.73	22.0	0.0	
20	QPSK	25	26	19.68	19.68	19.57			
20	QPSK	50	0	19.61	19.72	19.59	21.0	1.0	
20	16QAM	1	1	19.41	19.48	19.41	21.0	1.0	
20	64QAM	1	1	18.08	18.14	18.03	19.5	2.5	
20	256QAM	1	1	16.61	16.68	16.54	17.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1890	1902.5			
15	QPSK	1	1	20.65	20.80	20.57	22.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1890	1905			
10	QPSK	1	1	20.68	20.71	20.63	22.0	0.0	

n5 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				16800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	21.68	21.73	21.70			
20	PI/2 BPSK	1	26	21.52	21.57	21.45	23.0	0.0	
20	PI/2 BPSK	1	49	21.46	21.54	21.48			
20	PI/2 BPSK	25	0	21.14	21.23	21.18	22.5	0.5	
20	PI/2 BPSK	25	13	21.66	21.69	21.54	23.0	0.0	
20	PI/2 BPSK	25	26	21.09	21.24	21.15			
20	PI/2 BPSK	50	0	21.15	21.29	21.15	22.5	0.5	
20	QPSK	1	1	21.71	21.76	21.63			
20	QPSK	1	26	21.60	21.65	21.57	23.0	0.0	
20	QPSK	1	49	21.44	21.50	21.43			
20	QPSK	25	0	20.60	20.75	20.65	22.0	1.0	
20	QPSK	25	13	21.60	21.70	21.62	23.0	0.0	
20	QPSK	25	26	20.54	20.66	20.58			
20	QPSK	50	0	20.69	20.73	20.62	22.0	1.0	
20	16QAM	1	1	20.29	20.41	20.38	22.0	1.0	
20	64QAM	1	1	18.78	18.82	18.89	20.5	2.5	
20	256QAM	1	1	17.40	17.52	17.46	18.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	21.62	21.71	21.53	23.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.66	21.69	21.49	23.0	0.0	



### Part270 n77 Ant11 DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.37	19.47	19.54		
100	Pi2 BPSK	1	137	19.48	19.38	19.20	20.0	0.0
100	Pi2 BPSK	1	271	19.32	19.46	19.36		
100	Pi2 BPSK	136	0	19.40	19.52	19.22	20.0	0.0
100	Pi2 BPSK	136	69	19.38	19.34	19.35	20.0	0.0
100	Pi2 BPSK	136	138	19.31	19.41	19.20	20.0	0.0
100	Pi2 BPSK	270	0	19.48	19.45	19.34		
100	QPSK	1	1	19.32	19.52	19.36		
100	QPSK	1	137	19.53	19.37	19.36	20.0	0.0
100	QPSK	1	271	19.51	19.49	19.25		
100	QPSK	136	0	19.36	19.45	19.22	20.0	0.0
100	QPSK	136	69	19.46	19.51	19.26	20.0	0.0
100	QPSK	136	138	19.48	19.34	19.33	20.0	0.0
100	QPSK	270	0	19.33	19.43	19.30		
100	16QAM	1	1	19.44	19.56	19.22	20.0	0.0
100	64QAM	1	1	19.43	19.40	19.37	20.0	0.0
100	256QAM	1	1	19.57	19.62	19.78	20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.37	19.56	19.28	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.33	19.51	19.29	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.45	19.40	19.35	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.36	19.53	19.28	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.42	19.52	19.21	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.53	19.33	19.35	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.51	19.42	19.22	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.31	19.50	19.27	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.45	19.41	19.21	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.44	19.45	19.30	20.0	0.0

### Part27Q n77 Ant11 DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.83				
100	Pi2 BPSK	1	137	19.85			20.0	0.0
100	Pi2 BPSK	1	271	19.81				
100	Pi2 BPSK	136	0	19.73			20.0	0.0
100	Pi2 BPSK	136	69	19.80			20.0	0.0
100	Pi2 BPSK	136	138	19.86			20.0	0.0
100	Pi2 BPSK	270	0	19.81				
100	QPSK	1	1	19.85				
100	QPSK	1	137	19.90			20.0	0.0
100	QPSK	1	271	19.82				
100	QPSK	136	0	19.71			20.0	0.0
100	QPSK	136	69	19.83			20.0	0.0
100	QPSK	136	138	19.77			20.0	0.0
100	QPSK	270	0	19.71				
100	16QAM	1	1	19.85			20.0	0.0
100	64QAM	1	1	19.75			20.0	0.0
100	256QAM	1	1	19.83			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.57	19.66	19.69	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.61	19.57	19.79	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.72	19.75	19.74	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.71	19.56	19.89	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.74	19.66	19.73	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.67	19.77	19.86	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.62	19.58	19.62	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.77	19.75	19.72	20.0	0.0

### PC3 Part270 n78 Ant11 DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.34				
100	Pi2 BPSK	1	137	18.37			19.0	0.0
100	Pi2 BPSK	1	271	18.38				
100	Pi2 BPSK	136	0	18.47			19.0	0.0
100	Pi2 BPSK	136	69	18.34			19.0	0.0
100	Pi2 BPSK	136	138	18.25			19.0	0.0
100	Pi2 BPSK	270	0	18.39				
100	QPSK	1	1	18.32				
100	QPSK	1	137	18.50			19.0	0.0
100	QPSK	1	271	18.38				
100	QPSK	136	0	18.27			19.0	0.0
100	QPSK	136	69	18.42			19.0	0.0
100	QPSK	136	138	18.34			19.0	0.0
100	QPSK	270	0	18.31				
100	16QAM	1	1	18.36			19.0	0.0
100	64QAM	1	1	18.44			19.0	0.0
100	256QAM	1	1	18.36			19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.29	18.34	18.32	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.28	18.35	18.16	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.18	18.18	18.23	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.21	18.29	18.20	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.21	18.26	18.14	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.27	18.33	18.21	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.27	18.13	18.25	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.33	18.15	18.23	19.0	0.0



PC2 Part270 n78 Ant11 DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	20.82	20.82	20.82				
100	PI2 BPSK	1	137	21.09	21.09	21.09	22.0	0.0		
100	PI2 BPSK	1	271	21.08	21.08	21.08				
100	PI2 BPSK	135	0	21.07	21.07	21.07	22.0	0.0		
100	PI2 BPSK	135	69	20.99	20.99	20.99	22.0	0.0		
100	PI2 BPSK	135	138	20.91	20.91	20.91	22.0	0.0		
100	PI2 BPSK	270	0	20.98	20.98	20.98				
100	QPSK	1	1	20.97	20.97	20.97	22.0	0.0		
100	QPSK	1	137	21.13	21.13	21.13				
100	QPSK	1	271	21.04	21.04	21.04				
100	QPSK	135	0	20.94	20.94	20.94	22.0	0.0		
100	QPSK	135	69	21.08	21.08	21.08	22.0	0.0		
100	QPSK	135	138	21.01	21.01	21.01	22.0	0.0		
100	QPSK	270	0	20.91	20.91	20.91	22.0	0.0		
100	16QAM	1	1	21.11	21.11	21.11	22.0	0.0		
100	64QAM	1	1	21.11	21.11	21.11	22.0	0.0		
100	256QAM	1	1	20.82	20.82	20.82	22.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	64968	65000	65034	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	64868	65000	65134	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	64834	65000	65168	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	64734	65000	65068	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3705	3750	3795	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	20.98	20.80	20.82	22.0	0.0		

PC3 Part27Q n78 Ant11 DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	17.57	17.57	17.57				
100	PI2 BPSK	1	137	17.44	17.44	17.44	19.0	0.0		
100	PI2 BPSK	1	271	17.48	17.48	17.48				
100	PI2 BPSK	135	0	17.76	17.76	17.76	19.0	0.0		
100	PI2 BPSK	135	69	17.49	17.49	17.49	19.0	0.0		
100	PI2 BPSK	135	138	17.38	17.38	17.38	19.0	0.0		
100	PI2 BPSK	270	0	17.54	17.54	17.54				
100	QPSK	1	1	17.47	17.47	17.47	19.0	0.0		
100	QPSK	1	137	17.79	17.79	17.79				
100	QPSK	1	271	17.47	17.47	17.47				
100	QPSK	135	0	17.53	17.53	17.53	19.0	0.0		
100	QPSK	135	69	17.75	17.75	17.75	19.0	0.0		
100	QPSK	135	138	17.63	17.63	17.63	19.0	0.0		
100	QPSK	270	0	17.55	17.55	17.55	19.0	0.0		
100	16QAM	1	1	17.64	17.64	17.64	19.0	0.0		
100	64QAM	1	1	17.75	17.75	17.75	19.0	0.0		
100	256QAM	1	1	17.55	17.55	17.55	19.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63008	63334	63668	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	63000	63334	63668	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3465.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.42	17.48	17.57	19.0	0.0		

PC2 Part27Q n78 Ant11 DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	20.08	20.08	20.08				
100	PI2 BPSK	1	137	20.24	20.24	20.24	22.0	0.0		
100	PI2 BPSK	1	271	20.25	20.25	20.25				
100	PI2 BPSK	135	0	20.20	20.20	20.20	22.0	0.0		
100	PI2 BPSK	135	69	20.13	20.13	20.13	22.0	0.0		
100	PI2 BPSK	135	138	20.04	20.04	20.04	22.0	0.0		
100	PI2 BPSK	270	0	20.02	20.02	20.02				
100	QPSK	1	1	20.15	20.15	20.15	22.0	0.0		
100	QPSK	1	137	20.26	20.26	20.26				
100	QPSK	1	271	20.08	20.08	20.08	22.0	0.0		
100	QPSK	135	0	20.07	20.07	20.07	22.0	0.0		
100	QPSK	135	69	20.20	20.20	20.20	22.0	0.0		
100	QPSK	135	138	20.13	20.13	20.13	22.0	0.0		
100	QPSK	270	0	20.12	20.12	20.12	22.0	0.0		
100	16QAM	1	1	20.24	20.24	20.24	22.0	0.0		
100	64QAM	1	1	20.34	20.34	20.34	22.0	0.0		
100	256QAM	1	1	20.07	20.07	20.07	22.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63000	63334	63668	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	63000	63334	63668	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3465.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	20.13	20.10	20.09	22.0	0.0		



### Band 23 Ant5 Default

Sub-carrier Spacing (KHz)	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)									
				2000.1	2010	2019.9			
3.75	BPSK	1	1	23.09	23.43	23.38	24	0	
3.75	BPSK	1	46	23.15	23.45	23.45			
3.75	QPSK	1	1	23.24	23.53	23.51			
3.75	QPSK	1	46	23.23	23.48	23.41			
15	BPSK	1	1	23.12	23.49	23.15			
15	BPSK	1	10	23.15	23.46	23.41			
15	QPSK	1	1	23.38	23.40	23.42			
15	QPSK	1	10	23.18	23.38	23.39			
15	QPSK	3	0	21.82	22.20	22.14		23	1
15	QPSK	3	9	21.85	22.27	22.23			
15	QPSK	6	0	21.43	21.73	21.74			
15	QPSK	6	6	21.34	21.66	21.60			
15	QPSK	12	0	21.41	21.87	21.62	22	2	

### Band 255 Ant5 Default

Sub-carrier Spacing (KHz)	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)									
				1626.7	1643.3	1659.9			
3.75	BPSK	1	1	22.23	23.06	22.76	24	0	
3.75	BPSK	1	46	22.27	23.08	22.75			
3.75	QPSK	1	1	22.45	23.26	22.81			
3.75	QPSK	1	46	22.29	23.16	22.77			
15	BPSK	1	1	22.37	23.24	22.84			
15	BPSK	1	10	22.45	23.21	22.96			
15	QPSK	1	1	22.45	23.24	22.85			
15	QPSK	1	10	22.46	23.23	22.93			
15	QPSK	3	0	21.10	22.13	22.41		23	1
15	QPSK	3	9	21.17	22.14	22.54			
15	QPSK	6	0	20.93	21.50	21.67			
15	QPSK	6	6	20.58	21.52	21.72			
15	QPSK	12	0	20.28	21.10	21.02	22	2	



### Band 23 Ant5 DSI3&6

Sub-carrier Spacing (KHz)	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)									
				2000.1	2010	2019.9			
3.75	BPSK	1	1	22.70	22.86	22.99	23.5	0	
3.75	BPSK	1	46	22.82	22.86	23.14			
3.75	QPSK	1	1	22.68	23.10	23.06			
3.75	QPSK	1	46	22.83	22.98	22.91			
15	BPSK	1	1	22.68	23.06	22.84			
15	BPSK	1	10	22.63	22.92	22.92			
15	QPSK	1	1	22.96	22.87	22.83			
15	QPSK	1	10	22.76	22.83	22.85			
15	QPSK	3	0	21.82	22.20	22.14		23	0.5
15	QPSK	3	9	21.85	22.27	22.23			
15	QPSK	6	0	21.43	21.73	21.74			
15	QPSK	6	6	21.34	21.66	21.60		22	1.5
15	QPSK	12	0	21.71	21.88	21.93			

### Band 255 Ant5 Default

Sub-carrier Spacing (KHz)	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)									
				1626.7	1643.3	1659.9			
3.75	BPSK	1	1	22.23	23.06	22.76	24	0	
3.75	BPSK	1	46	22.27	23.08	22.75			
3.75	QPSK	1	1	22.45	23.26	22.81			
3.75	QPSK	1	46	22.29	23.16	22.77			
15	BPSK	1	1	22.37	23.24	22.84			
15	BPSK	1	10	22.45	23.21	22.96			
15	QPSK	1	1	22.45	23.24	22.85			
15	QPSK	1	10	22.46	23.23	22.93			
15	QPSK	3	0	21.10	22.13	22.41		23	1
15	QPSK	3	9	21.17	22.14	22.54			
15	QPSK	6	0	20.83	21.50	21.67			
15	QPSK	6	6	20.58	21.52	21.72		22	2
15	QPSK	12	0	20.28	21.10	21.02			



### Band 23 Ant5 Default

Sub-carrier Spacing (KHz)	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)										
				2000.1	2010	2019.9				
3.75	BPSK	1	1	23.09	23.43	23.38	24	0		
3.75	BPSK	1	46	23.15	23.45	23.45				
3.75	QPSK	1	1	23.24	23.53	23.51				
3.75	QPSK	1	46	23.23	23.48	23.41				
15	BPSK	1	1	23.12	23.49	23.15				
15	BPSK	1	10	23.15	23.46	23.41				
15	QPSK	1	1	23.38	23.40	23.42				
15	QPSK	1	10	23.18	23.38	23.39				
15	QPSK	3	0	21.82	22.20	22.14			23	1
15	QPSK	3	9	21.85	22.27	22.23				
15	QPSK	6	0	21.43	21.73	21.74				
15	QPSK	6	6	21.34	21.66	21.60				
15	QPSK	12	0	21.41	21.87	21.82	22	2		

### Band 255 Ant5 Default

Sub-carrier Spacing (KHz)	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)										
				1626.7	1643.3	1659.9				
3.75	BPSK	1	1	22.23	23.06	22.76	24	0		
3.75	BPSK	1	46	22.27	23.08	22.75				
3.75	QPSK	1	1	22.45	23.26	22.81				
3.75	QPSK	1	46	22.29	23.16	22.77				
15	BPSK	1	1	22.37	23.24	22.84				
15	BPSK	1	10	22.45	23.21	22.96				
15	QPSK	1	1	22.45	23.24	22.85				
15	QPSK	1	10	22.46	23.23	22.93				
15	QPSK	3	0	21.10	22.13	22.41			23	1
15	QPSK	3	9	21.17	22.14	22.54				
15	QPSK	6	0	20.93	21.50	21.67				
15	QPSK	6	6	20.58	21.52	21.72				
15	QPSK	12	0	20.28	21.10	21.02	22	2		





**Conducted Power for WLAN/Bluetooth**

2.4GHz WLAN				Ant 9 Full Power Receiver off		Receiver on		Head Simultaneous		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	18.80	20.50	17.22	19.00	12.32	14.00	100.00	
	6	2437	19.30	20.50	17.92	19.00	12.83	14.00		
	11	2462	19.20	20.50	17.90	19.00	12.82	14.00		
	1	2412	17.20	18.50		18.50		14.00		
	6	2437	16.80	19.50		19.00		14.00		
	11	2462	18.50	19.50		19.00		14.00		
802.11n-HT20 MCS0	1	2412	16.30	17.50	Not Required	17.50	Not Required	14.00	97.29	
	6	2437	17.60	18.50		18.50		14.00		
	11	2462	17.50	18.50		18.50		14.00		
802.11n-HT40 MCS0	3	2422	13.40	14.50		14.50		14.00	95.13	
	6	2437	17.10	18.00		18.00		14.00		
	9	2452	15.50	16.50		16.50		14.00		

5.2GHz WLAN					Ant 9 Full Power Receiver on		Head Simultaneous		Receiver off/Extimty		Hotspot/Body-worn Simultaneous	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	15.87	17.00		17.00		16.50		11.50	97.46	
	40	5200	17.25	18.50		18.00		16.50		11.50		
	44	5220	17.39	18.50		18.00		16.50		11.50		
	48	5240	17.75	19.00		18.00		16.50		11.50		
802.11n-HT20 MCS0	36	5180	15.75	17.00	Not Required	17.50	Not Required	16.50	Not Required	11.50	97.28	
	40	5200	16.94	18.00		18.00		16.50		11.50		
	44	5220	17.06	18.00		18.00		16.50		11.50		
802.11n-HT40 MCS0	48	5240	17.20	18.00		18.00		16.50		11.50	94.92	
	38	5190	12.12	14.00	12.12	14.00	12.12	14.00	9.32	11.50		
802.11ac-VHT20 MCS0	48	5230	16.84	18.00	16.84	18.00	15.43	16.50	10.41	11.50	97.41	
	36	5180	15.68	17.00		17.00		16.50		11.50		
	40	5200	16.24	17.50		17.50		16.50		11.50		
	44	5220	16.35	17.50		17.50		16.50		11.50		
802.11ac-VHT40 MCS0	48	5240	16.67	17.50	Not Required	17.50	Not Required	16.50	Not Required	11.50	94.96	
	38	5190	12.08	13.00		13.00		13.00		11.50		
802.11ac-VHT80 MCS0	48	5230	16.36	17.50		17.50		16.50		11.00	90.32	

5.3GHz WLAN					Ant 9 Full Power Receiver on		Head Simultaneous		Receiver off/Extimty		Body-worn Simultaneous	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	17.62	19.00		18.00		16.50		11.00	97.46	
	56	5280	17.58	19.00		18.00		16.50		11.00		
	60	5300	17.74	19.00		18.00		16.50		11.00		
	64	5320	17.30	18.50		18.00		16.50		11.00		
802.11n-HT20 MCS0	52	5260	17.06	18.00	Not Required	18.00	Not Required	16.50	Not Required	11.00	97.28	
	56	5280	17.04	18.00		18.00		16.50		11.00		
	60	5300	17.19	18.00		18.00		16.50		11.00		
802.11n-HT40 MCS0	64	5320	16.74	18.00		18.00		16.50		11.00	94.92	
	54	5270	16.86	18.00	16.86	18.00	15.57	16.50		11.00		
802.11ac-VHT20 MCS0	62	5310	12.87	14.00	12.87	14.00	12.87	14.00		11.00	97.41	
	52	5260	16.52	17.50		17.50		16.50		11.00		
	56	5280	16.46	17.50		17.50		16.50		11.00		
	60	5300	16.65	17.50		17.50		16.50		11.00		
802.11ac-VHT40 MCS0	64	5320	16.70	17.50	Not Required	17.50	Not Required	16.50	Not Required	11.00	94.96	
	54	5270	16.42	17.50		17.50		16.50		11.00		
802.11ac-VHT80 MCS0	62	5310	12.82	14.00		14.00		14.00		11.00	90.32	

5.5GHz WLAN					Ant 9 Full Power Receiver on		Receiver off/Extimty		Body-worn Simultaneous	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	16.92	18.50		13.00		9.00	97.46	
	116	5580	17.32	18.50		13.00		9.00		
	124	5620	17.24	18.50		13.00		9.00		
	132	5660	17.14	18.50		13.00		9.00		
	140	5700	15.08	16.00		13.00		9.00		
	144	5720	17.11	18.50		13.00		9.00		
802.11n-HT20 MCS0	100	5500	16.35	17.50		13.00		9.00	97.28	
	116	5580	16.73	17.50		13.00		9.00		
	124	5620	16.58	17.50		13.00		9.00		
	132	5660	16.33	17.50		13.00		9.00		
	140	5700	14.38	15.50		13.00		9.00		
	144	5720	16.59	17.50		13.00		9.00		
802.11n-HT40 MCS0	102	5510	13.51	14.50	Not Required	13.00	Not Required	9.00	94.92	
	110	5550	16.21	17.50		13.00		9.00		
	126	5630	16.11	17.50		13.00		9.00		
	134	5670	15.77	17.00		13.00		9.00		
802.11ac-VHT20 MCS0	142	5710	16.18	17.00		13.00		9.00	97.41	
	100	5500	15.79	17.00		13.00		9.00		
	116	5580	16.17	17.00		13.00		9.00		
	124	5620	16.02	17.00		13.00		9.00		
	132	5660	15.94	17.00		13.00		9.00		
	140	5700	14.34	15.50		13.00		9.00		
802.11ac-VHT40 MCS0	144	5720	16.05	17.00		13.00		9.00	94.96	
	102	5510	13.46	14.50		13.00		9.00		
	110	5550	15.61	16.50		13.00		9.00		
	126	5630	15.55	16.50		13.00		9.00		
802.11ac-VHT80 MCS0	134	5670	15.75	17.00		13.00		9.00	90.32	
	142	5710	15.78	17.00		13.00		9.00		
	106	5530	10.47	11.50	10.47	11.50	7.88	9.00		
	122	5610	13.59	14.50	12.20	13.00	8.16	9.00		
136	5690	13.54	14.50	12.07	13.00	8.00	9.00			

5.8GHz WLAN					Ant 9 Full Power Receiver on		Receiver off/Extimty		Body-worn&Hotspot Simultaneous	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	17.44	18.50		12.50		7.50	97.46	
	157	5785	17.47	18.50		12.50		7.50		
	165	5825	17.31	18.50		12.50		7.50		
802.11n-HT20 MCS0	149	5745	16.95	18.00		12.50		7.50	97.28	
	157	5785	16.97	18.00		12.50		7.50		
	165	5825	16.88	18.00		12.50		7.50		
802.11n-HT40 MCS0	151	5755	16.65	17.50	Not Required	12.50	Not Required	7.50	94.92	
	159	5795	16.62	17.50		12.50		7.50		
802.11ac-VHT20 MCS0	149	5745	16.36	17.50		12.50		7.50	97.41	
	157	5785	16.35	17.50		12.50		7.50		
	165	5825	16.28	17.50		12.50		7.50		
802.11ac-VHT40 MCS0	151	5755	16.21	17.50		12.50		7.50	94.96	
	159	5795	16.11	17.50		12.50		7.50		
802.11ac-VHT80 MCS0	155	5775	13.74	15.00	11.35	12.50	6.42	7.50	90.32	

**BT BR/EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.10	9.40	9.30
	CH 39	2441	11.00	9.10	9.00
	CH 78	2480	10.90	8.90	8.90
Tune-up Limit			12.00	10.00	10.00

**BLE\_1M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-1.40
	CH 19	2440	-0.90
	CH 39	2480	-0.70
Tune-up Limit			1.00

**BLE\_2M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-1.30
	CH 19	2440	-0.90
	CH 39	2480	-0.60
Tune-up Limit			1.00