



Conducted Full Power for GSM/WCDMA/LTE for Main PA

GSM850 Ant0 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)								
GSM 1 Tx slot	32.89	33.06	32.97	34.00	23.89	24.06	23.97	25.00
GPRS 1 Tx slot	32.78	32.92	32.88	34.00	23.78	23.92	23.88	25.00
GPRS 2 Tx slots	29.75	29.86	29.81	31.00	23.75	23.86	23.81	25.00
GPRS 3 Tx slots	27.86	28.02	27.90	29.20	23.60	23.76	23.64	24.94
GPRS 4 Tx slots	26.51	26.65	26.51	28.00	23.51	23.65	23.51	25.00
EDGE 1 Tx slot	26.31	26.35	26.26	27.40	17.31	17.35	17.26	18.40
EDGE 2 Tx slots	23.70	23.84	23.80	24.40	17.70	17.84	17.80	18.40
EDGE 3 Tx slots	21.85	21.92	21.78	22.60	17.59	17.66	17.52	18.34
EDGE 4 Tx slots	20.46	20.57	20.45	21.40	17.46	17.57	17.45	18.40

WCDMA V Ant0 Default					
Band	WCDMA V			Tune-up Limit (dBm)	
	4192	4192	4233		
TX Channel	4357	4407	4458		
Rx Channel					
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2kbps	24.06	24.14	24.11	24.80
3GPP Rel 99	RMC 12.2kbps	24.17	24.23	24.20	24.80
3GPP Rel 6	HSDPA Subtest-1	23.20	23.19	23.11	23.80
3GPP Rel 6	HSDPA Subtest-2	23.18	23.27	23.10	23.80
3GPP Rel 6	HSDPA Subtest-3	22.69	22.72	22.65	23.30
3GPP Rel 6	HSDPA Subtest-4	22.67	22.74	22.59	23.30
3GPP Rel 8	DC-HSDPA Subtest-1	23.12	23.20	23.07	23.80
3GPP Rel 8	DC-HSDPA Subtest-2	23.24	23.26	22.99	23.80
3GPP Rel 8	DC-HSDPA Subtest-3	22.63	22.73	22.64	23.30
3GPP Rel 8	DC-HSDPA Subtest-4	22.64	22.77	22.52	23.30
3GPP Rel 6	HSUPA Subtest-1	23.13	23.30	23.03	23.80
3GPP Rel 6	HSUPA Subtest-2	21.06	21.30	21.20	21.80
3GPP Rel 6	HSUPA Subtest-3	22.10	22.27	22.16	22.80
3GPP Rel 6	HSUPA Subtest-4	21.02	21.20	21.11	21.80
3GPP Rel 6	HSUPA Subtest-5	23.12	23.22	23.15	23.80
3GPP Rel 7	HSPA+ (10QAM) Subtest-1	20.59	20.65	20.59	21.30







GSM850 Ant1 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	180	251		128	159	251	
Frequency (MHz)	824.2	836.4	848.8	34.60	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	33.06	33.01	33.15	34.60	24.06	24.01	24.15	25.60
GPRS 1 Tx slot	32.97	32.95	33.07	34.60	23.97	23.95	24.07	25.60
GPRS 2 Tx slots	29.99	29.88	30.09	31.60	23.99	23.88	24.09	25.60
GPRS 3 Tx slots	28.33	28.14	28.31	29.80	24.07	23.88	24.05	25.54
GPRS 4 Tx slots	26.89	26.92	26.72	28.60	23.89	23.92	23.72	25.60
EDGE 1 Tx slot	26.30	26.08	26.25	27.60	17.30	17.08	17.25	18.60
EDGE 2 Tx slots	23.43	23.24	23.42	24.60	17.43	17.24	17.42	18.60
EDGE 3 Tx slots	21.50	21.42	21.51	22.80	17.24	17.16	17.25	18.54
EDGE 4 Tx slots	20.26	20.06	20.20	21.60	17.26	17.06	17.20	18.60

WCDMA V Ant1 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	845.6	
3GPP Rel 99 AMR 12.2Kbps	24.36	24.46	24.36	25.50
3GPP Rel 99 RMC 12.2Kbps	24.42	24.51	24.43	25.50
3GPP Rel 6 HSDPA Subtest-1	23.36	23.53	23.33	24.50
3GPP Rel 6 HSDPA Subtest-2	23.35	23.51	23.42	24.00
3GPP Rel 6 HSDPA Subtest-3	22.93	23.00	23.04	23.50
3GPP Rel 6 HSDPA Subtest-4	22.96	22.97	22.96	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	23.49	23.52	23.32	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	23.36	23.52	23.33	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	23.00	22.99	22.92	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	22.84	23.06	22.97	23.50
3GPP Rel 6 HSUPA Subtest-1	23.36	23.51	23.41	24.00
3GPP Rel 6 HSUPA Subtest-2	21.53	21.57	21.44	22.00
3GPP Rel 6 HSUPA Subtest-3	22.45	22.48	22.35	23.00
3GPP Rel 6 HSUPA Subtest-4	21.46	21.49	21.35	22.00
3GPP Rel 6 HSUPA Subtest-5	23.40	23.46	23.47	24.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.96	21.04	20.88	21.50







GSM1900 Ant3 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	910		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.40	1850.2	1880	1909.8	21.40
GSM 1 Tx slot	29.70	29.81	29.73	30.40	20.70	20.81	20.73	21.40
GPRS 1 Tx slot	29.64	29.75	29.69	30.40	20.64	20.75	20.69	21.40
GPRS 2 Tx slots	26.58	26.61	26.48	27.40	20.58	20.61	20.48	21.40
GPRS 3 Tx slots	24.63	24.69	24.65	25.60	20.37	20.43	20.39	21.34
GPRS 4 Tx slots	23.72	23.85	23.83	24.40	20.72	20.85	20.83	21.40
EDGE 1 Tx slot	25.12	25.24	25.17	26.40	16.12	16.24	16.17	17.40
EDGE 2 Tx slots	22.52	22.60	22.49	23.40	16.52	16.60	16.49	17.40
EDGE 3 Tx slots	20.81	20.87	20.78	21.60	16.55	16.61	16.52	17.34
EDGE 4 Tx slots	19.64	19.71	19.54	20.40	16.64	16.71	16.54	17.40

WCDMA II Ant3 Default

WCDMA IV Ant3 Default

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6	25.30	1712.4	1732.6	1752.6	24.80
3GPP Rel 99 AMR 12.2kbps	24.36	24.36	24.31	25.30	24.14	24.30	24.26	24.80
3GPP Rel 99 RMC 12.2kbps	24.42	24.44	24.37	25.30	24.23	24.35	24.32	24.80
3GPP Rel 6 HSDPA Subtest-1	23.28	23.40	23.18	24.30	23.17	23.28	23.30	23.80
3GPP Rel 6 HSDPA Subtest-2	23.29	23.40	23.19	24.30	23.19	23.37	23.23	23.80
3GPP Rel 6 HSDPA Subtest-3	22.97	23.00	22.81	23.80	22.79	22.85	22.87	23.30
3GPP Rel 6 HSDPA Subtest-4	22.84	22.94	22.76	23.80	22.71	22.86	22.88	23.30
3GPP Rel 8 DC-HSDPA Subtest-1	23.47	23.38	23.18	24.30	23.18	23.27	23.21	23.80
3GPP Rel 8 DC-HSDPA Subtest-2	23.29	23.35	23.18	24.30	23.14	23.34	23.30	23.80
3GPP Rel 8 DC-HSDPA Subtest-3	22.86	22.99	22.81	23.80	22.66	22.80	22.88	23.30
3GPP Rel 8 DC-HSDPA Subtest-4	22.78	22.95	22.72	23.80	22.73	22.84	22.78	23.30
3GPP Rel 6 HSUPA Subtest-1	23.37	23.43	23.29	24.30	23.15	23.32	23.30	23.80
3GPP Rel 6 HSUPA Subtest-2	21.50	21.39	21.27	22.30	21.27	21.29	21.31	21.80
3GPP Rel 6 HSUPA Subtest-3	22.29	22.38	22.21	23.30	22.14	22.35	22.31	22.80
3GPP Rel 6 HSUPA Subtest-4	21.37	21.46	21.19	22.30	21.22	21.31	21.27	21.80
3GPP Rel 6 HSUPA Subtest-5	23.30	23.41	23.23	24.30	23.20	23.39	23.23	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.95	20.93	20.69	21.80	20.76	20.88	20.67	21.30











GSM1900 Ant4 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	910		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	28.65	28.63	28.85	29.80	19.65	19.63	19.85	20.80
GPRS 1 Tx slot	28.62	28.58	28.79	29.80	19.62	19.58	19.79	20.80
GPRS 2 Tx slots	25.74	25.62	25.77	26.80	19.74	19.62	19.77	20.80
GPRS 3 Tx slots	23.46	23.35	23.48	25.00	19.20	19.09	19.22	20.74
GPRS 4 Tx slots	23.03	23.08	23.06	23.80	20.03	20.08	20.06	20.80
EDGE 1 Tx slot	24.35	24.28	24.41	26.20	15.35	15.28	15.41	17.20
EDGE 2 Tx slots	21.66	21.54	21.81	23.20	15.66	15.54	15.81	17.20
EDGE 3 Tx slots	19.90	19.76	20.10	21.40	15.64	15.52	15.84	17.14
EDGE 4 Tx slots	18.60	18.45	18.71	20.20	15.60	15.45	15.71	17.20

WCDMA II Ant4 Default

WCDMA IV Ant4 Default

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938	1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99 AMR 12.2kbps	23.72	23.83	23.85	24.70	23.78	23.80	23.74	24.50
3GPP Rel 99 RMC 12.2kbps	23.80	23.91	23.73	24.70	23.85	23.88	23.81	24.50
3GPP Rel 6 HSDPA Subtest-1	22.72	22.88	22.81	23.70	22.83	22.83	22.65	23.50
3GPP Rel 6 HSDPA Subtest-2	22.75	22.99	22.72	23.70	22.73	22.79	22.61	23.50
3GPP Rel 6 HSDPA Subtest-3	22.29	22.41	22.34	23.20	22.25	22.25	22.27	23.00
3GPP Rel 6 HSDPA Subtest-4	22.35	22.47	22.35	23.20	22.24	22.31	22.32	23.00
3GPP Rel 8 DC-HSDPA Subtest-1	22.87	22.95	22.83	23.70	22.84	22.81	22.67	23.50
3GPP Rel 8 DC-HSDPA Subtest-2	22.72	22.88	22.72	23.70	22.65	22.89	22.60	23.50
3GPP Rel 8 DC-HSDPA Subtest-3	22.33	22.46	22.35	23.20	22.19	22.34	22.27	23.00
3GPP Rel 8 DC-HSDPA Subtest-4	22.33	22.46	22.36	23.20	22.18	22.33	22.23	23.00
3GPP Rel 6 HSUPA Subtest-1	22.71	22.98	22.90	23.70	22.69	22.78	22.82	23.50
3GPP Rel 6 HSUPA Subtest-2	20.93	20.91	20.88	21.70	20.77	20.77	20.74	21.50
3GPP Rel 6 HSUPA Subtest-3	21.82	21.97	21.79	22.70	21.64	21.83	21.72	22.50
3GPP Rel 6 HSUPA Subtest-4	20.85	20.96	20.73	21.70	20.76	20.84	20.61	21.50
3GPP Rel 6 HSUPA Subtest-5	22.84	22.94	22.90	23.70	22.62	22.83	22.67	23.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.30	20.49	20.34	21.20	20.34	20.32	20.13	21.00











WCDMA V Ant5 Default

Band	WCDMA V			Tune-up Limit (dBm)	
	1312	1413	1513		
TX Channel	1537	1638	1738		
RX Channel	1712.4	1732.6	1752.6		
Frequency (MHz)					
3GPP Rel 99	AMR 12.2Kbps	23.92	24.03	23.96	24.90
3GPP Rel 99	RMC 12.2Kbps	24.04	24.11	24.08	24.90
3GPP Rel 6	HSDPA Subtest-1	22.96	23.16	22.95	23.90
3GPP Rel 6	HSDPA Subtest-2	23.00	23.12	22.97	23.90
3GPP Rel 6	HSDPA Subtest-3	22.55	22.58	22.56	23.40
3GPP Rel 6	HSDPA Subtest-4	22.51	22.55	22.56	23.40
3GPP Rel 8	DC-HSDPA Subtest-1	23.06	23.09	22.88	23.90
3GPP Rel 8	DC-HSDPA Subtest-2	22.95	23.15	22.98	23.90
3GPP Rel 8	DC-HSDPA Subtest-3	22.59	22.61	22.56	23.40
3GPP Rel 8	DC-HSDPA Subtest-4	22.50	22.62	22.56	23.40
3GPP Rel 6	HSUPA Subtest-1	23.00	23.14	23.02	23.90
3GPP Rel 6	HSUPA Subtest-2	21.08	21.12	21.06	21.90
3GPP Rel 6	HSUPA Subtest-3	21.94	22.16	21.92	22.90
3GPP Rel 6	HSUPA Subtest-4	21.00	21.10	20.89	21.90
3GPP Rel 6	HSUPA Subtest-5	22.97	23.13	23.01	23.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.60	20.58	20.44	21.40







WCDMA V An16 Default

Band	WCDMA V			Tune-up Limit (dBm)
	1312	1413	1513	
TX Channel	1537	1638	1738	
RX Channel	1712.4	1732.6	1752.8	
Frequency (MHz)				
3GPP Rel 99	AMR 12.2Kbps	22.30	22.43	23.50
3GPP Rel 99	RMC 12.2Kbps	22.34	22.51	23.50
3GPP Rel 6	HSDPA Subtest-1	21.45	21.53	22.50
3GPP Rel 6	HSDPA Subtest-2	21.42	21.55	22.50
3GPP Rel 6	HSDPA Subtest-3	20.99	21.09	22.00
3GPP Rel 6	HSDPA Subtest-4	20.90	21.05	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.46	21.50	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.50	21.54	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	20.90	21.08	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	20.90	21.06	22.00
3GPP Rel 6	HSUPA Subtest-1	21.50	21.53	22.50
3GPP Rel 6	HSUPA Subtest-2	19.43	19.59	20.50
3GPP Rel 6	HSUPA Subtest-3	20.46	20.59	21.50
3GPP Rel 6	HSUPA Subtest-4	19.52	19.53	20.50
3GPP Rel 6	HSUPA Subtest-5	21.55	21.61	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.90	19.01	20.00











### Reduced Power for Main PA

GSM850 Ant0 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	128	189	251	128	189	251	128	189	251
Frequency (MHz)	324.2	336.4	348.6	34.00	324.2	336.4	348.6	34.00	34.00
GSM 1 Tx slot	32.89	33.06	32.97	34.00	23.89	24.06	23.97	25.00	25.00
GPRS 1 Tx slot	32.78	32.92	32.88	34.00	23.78	23.92	23.88	25.00	25.00
GPRS 2 Tx slots	29.75	29.86	29.81	31.00	23.75	23.86	23.81	25.00	25.00
GPRS 3 Tx slots	27.86	28.02	27.90	29.20	23.60	23.76	23.64	24.94	24.94
GPRS 4 Tx slots	26.51	26.65	26.51	28.00	23.51	23.65	23.51	25.00	25.00
EDGE 1 Tx slot	26.31	26.35	26.26	27.40	17.31	17.35	17.26	18.40	18.40
EDGE 2 Tx slots	23.70	23.84	23.80	24.40	17.70	17.84	17.80	18.40	18.40
EDGE 3 Tx slots	21.85	21.92	21.78	22.60	17.59	17.66	17.52	18.34	18.34
EDGE 4 Tx slots	20.46	20.57	20.45	21.40	17.46	17.57	17.45	18.40	18.40

WCDMA V Ant0 Default									
Band	WCDMA V			Tune-up Limit (dBm)					
	4132	4182	4233						
TX Channel	4132	4182	4233						
Rx Channel	4357	4407	4458						
Frequency (MHz)	826.4	836.4	846.6						
3GPP Rel 99	AMR 12.2Kbps	24.06	24.14	24.11	24.80				
3GPP Rel 99	RMC 12.2Kbps	24.17	24.23	24.20	24.80				
3GPP Rel 6	HSDPA Subtest-1	23.20	23.19	23.11	23.80				
3GPP Rel 6	HSDPA Subtest-2	23.18	23.27	23.10	23.80				
3GPP Rel 6	HSDPA Subtest-3	22.69	22.72	22.65	23.30				
3GPP Rel 6	HSDPA Subtest-4	22.67	22.74	22.59	23.30				
3GPP Rel 8	DC-HSDPA Subtest-1	23.12	23.20	23.07	23.80				
3GPP Rel 8	DC-HSDPA Subtest-2	23.24	23.26	22.99	23.80				
3GPP Rel 8	DC-HSDPA Subtest-3	22.63	22.73	22.64	23.30				
3GPP Rel 8	DC-HSDPA Subtest-4	22.64	22.77	22.52	23.30				
3GPP Rel 6	HSUPA Subtest-1	23.13	23.30	23.03	23.80				
3GPP Rel 6	HSUPA Subtest-2	21.06	21.30	21.20	21.80				
3GPP Rel 6	HSUPA Subtest-3	22.10	22.27	22.16	22.80				
3GPP Rel 6	HSUPA Subtest-4	21.02	21.20	21.11	21.80				
3GPP Rel 6	HSUPA Subtest-5	23.12	23.22	23.15	23.80				
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.59	20.65	20.50	21.30				





GSM850 Ant1 DS11

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	180	251		128	159	251	
Frequency (MHz)	824.2	836.4	848.8	31.60	824.2	836.4	848.8	31.60
GSM 1 Tx slot	30.26	30.21	30.35	31.60	21.26	21.21	21.35	22.60
GPRS 1 Tx slot	30.17	30.15	30.27	31.60	21.17	21.15	21.27	22.60
GPRS 2 Tx slots	27.14	27.03	27.24	28.60	21.14	21.03	21.24	22.60
GPRS 3 Tx slots	25.43	25.24	25.41	26.80	21.17	20.98	21.15	22.54
GPRS 4 Tx slots	23.89	23.92	23.72	25.60	20.89	20.92	20.72	22.60
EDGE 1 Tx slot	26.30	26.08	26.25	27.60	17.30	17.08	17.25	18.60
EDGE 2 Tx slots	23.43	23.24	23.42	24.60	17.43	17.24	17.42	18.60
EDGE 3 Tx slots	21.50	21.42	21.51	22.80	17.24	17.16	17.25	18.54
EDGE 4 Tx slots	20.26	20.06	20.20	21.60	17.26	17.06	17.20	18.60

WCDMA V Ant1 DS11

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	845.6	
3GPP Rel 99 AMR 12.2Kbps	20.21	20.33	20.24	21.50
3GPP Rel 99 RMC 12.2Kbps	20.28	20.39	20.34	21.50
3GPP Rel 6 HSDPA Subtest-1	19.28	19.38	19.23	20.50
3GPP Rel 6 HSDPA Subtest-2	19.28	19.33	19.34	24.00
3GPP Rel 6 HSDPA Subtest-3	18.82	18.82	18.90	23.50
3GPP Rel 6 HSDPA Subtest-4	18.84	18.88	18.83	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	19.36	19.43	19.18	20.50
3GPP Rel 8 DC-HSDPA Subtest-2	19.19	19.35	19.18	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	18.84	18.79	18.75	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	18.67	18.86	18.88	23.50
3GPP Rel 6 HSUPA Subtest-1	19.25	19.41	19.22	24.00
3GPP Rel 6 HSUPA Subtest-2	17.44	17.41	17.26	22.00
3GPP Rel 6 HSUPA Subtest-3	18.28	18.32	18.17	23.00
3GPP Rel 6 HSUPA Subtest-4	17.34	17.40	17.19	22.00
3GPP Rel 6 HSUPA Subtest-5	19.21	19.36	19.36	20.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	16.81	16.85	16.77	21.50









GSM1900 Ant3 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	910		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.40	1850.2	1880	1909.8	21.40
GSM 1 Tx slot	29.70	29.81	29.73	30.40	20.70	20.81	20.73	21.40
GPRS 1 Tx slot	29.64	29.75	29.69	30.40	20.64	20.75	20.69	21.40
GPRS 2 Tx slots	26.58	26.61	26.48	27.40	20.58	20.61	20.48	21.40
GPRS 3 Tx slots	24.63	24.69	24.65	25.60	20.37	20.43	20.39	21.34
GPRS 4 Tx slots	23.72	23.85	23.83	24.40	20.72	20.85	20.83	21.40
EDGE 1 Tx slot	25.12	25.24	25.17	26.40	16.12	16.24	16.17	17.40
EDGE 2 Tx slots	22.52	22.60	22.49	23.40	16.52	16.60	16.49	17.40
EDGE 3 Tx slots	20.81	20.87	20.78	21.60	16.55	16.61	16.52	17.34
EDGE 4 Tx slots	19.64	19.71	19.54	20.40	16.64	16.71	16.54	17.40

WCDMA II Ant3 Default

WCDMA IV Ant3 Default

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6	25.30	1712.4	1732.6	1752.6	24.80
3GPP Rel 99 AMR 12.2kbps	24.36	24.36	24.31	25.30	24.14	24.30	24.26	24.80
3GPP Rel 99 RMC 12.2kbps	24.42	24.44	24.37	25.30	24.23	24.35	24.32	24.80
3GPP Rel 6 HSDPA Subtest-1	23.28	23.40	23.18	24.30	23.17	23.28	23.30	23.80
3GPP Rel 6 HSDPA Subtest-2	23.29	23.40	23.19	24.30	23.19	23.37	23.23	23.80
3GPP Rel 6 HSDPA Subtest-3	22.97	23.00	22.81	23.80	22.79	22.85	22.87	23.30
3GPP Rel 6 HSDPA Subtest-4	22.84	22.94	22.76	23.80	22.71	22.86	22.88	23.30
3GPP Rel 8 DC-HSDPA Subtest-1	23.47	23.38	23.18	24.30	23.18	23.27	23.21	23.80
3GPP Rel 8 DC-HSDPA Subtest-2	23.29	23.35	23.18	24.30	23.14	23.34	23.30	23.80
3GPP Rel 8 DC-HSDPA Subtest-3	22.86	22.99	22.81	23.80	22.66	22.80	22.88	23.30
3GPP Rel 8 DC-HSDPA Subtest-4	22.78	22.95	22.72	23.80	22.73	22.84	22.78	23.30
3GPP Rel 6 HSUPA Subtest-1	23.37	23.43	23.29	24.30	23.15	23.32	23.30	23.80
3GPP Rel 6 HSUPA Subtest-2	21.50	21.39	21.27	22.30	21.27	21.29	21.31	21.80
3GPP Rel 6 HSUPA Subtest-3	22.29	22.38	22.21	23.30	22.14	22.35	22.31	22.80
3GPP Rel 6 HSUPA Subtest-4	21.37	21.46	21.19	22.30	21.22	21.31	21.27	21.80
3GPP Rel 6 HSUPA Subtest-5	23.30	23.41	23.23	24.30	23.20	23.39	23.23	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.95	20.93	20.69	21.80	20.76	20.88	20.67	21.30











GSM1900 Ant4 DS11

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	910		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	27.80	1850.2	1880	1909.8	18.80
GSM 1 Tx slot	26.87	26.81	26.77	27.80	17.87	17.81	17.77	18.80
GPRS 1 Tx slot	26.74	26.75	26.70	27.80	17.74	17.75	17.70	18.80
GPRS 2 Tx slots	23.48	23.43	23.33	24.80	17.48	17.43	17.33	18.80
GPRS 3 Tx slots	21.59	21.51	21.44	23.00	17.33	17.25	17.18	18.74
GPRS 4 Tx slots	20.71	20.72	20.69	21.80	17.71	17.72	17.69	18.80
EDGE 1 Tx slot	24.35	24.28	24.41	26.20	15.35	15.28	15.41	17.20
EDGE 2 Tx slots	21.66	21.54	21.81	23.20	15.66	15.54	15.81	17.20
EDGE 3 Tx slots	19.90	19.76	20.10	21.40	15.64	15.52	15.84	17.14
EDGE 4 Tx slots	18.60	18.45	18.71	20.20	15.60	15.45	15.71	17.20

Band	WCDMA II Ant4 DS11			Tune-up Limit (dBm)	WCDMA IV Ant4 DS11			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9262	9400	9538					
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6	18.70	17.24	17.26	17.52.6	
3GPP Rel 99 AMR 12.2Kbps	18.61	18.69	18.54	19.70	16.76	16.77	16.74	
3GPP Rel 99 RMC 12.2Kbps	18.68	18.60	18.65	19.70	16.81	16.86	16.82	
3GPP Rel 6 HSDPA Subtest-1	17.58	17.76	17.62	18.70	15.64	15.86	15.69	
3GPP Rel 6 HSDPA Subtest-2	17.57	17.86	17.59	18.70	15.72	15.82	15.81	
3GPP Rel 6 HSDPA Subtest-3	17.13	17.22	17.26	18.20	15.22	15.27	15.33	
3GPP Rel 6 HSDPA Subtest-4	17.15	17.30	17.26	18.20	15.21	15.37	15.34	
3GPP Rel 8 DC-HSDPA Subtest-1	17.77	17.83	17.73	18.70	15.80	15.79	15.70	
3GPP Rel 8 DC-HSDPA Subtest-2	17.58	17.77	17.56	18.70	15.66	15.94	15.55	
3GPP Rel 8 DC-HSDPA Subtest-3	17.25	17.26	17.17	18.20	15.19	15.39	15.32	
3GPP Rel 8 DC-HSDPA Subtest-4	17.19	17.35	17.17	18.20	15.22	15.38	15.29	
3GPP Rel 6 HSUPA Subtest-1	17.59	17.81	17.76	18.70	15.68	15.79	15.83	
3GPP Rel 6 HSUPA Subtest-2	15.85	15.72	15.78	16.70	13.75	13.63	13.75	
3GPP Rel 6 HSUPA Subtest-3	16.68	16.86	16.63	17.70	14.81	14.85	14.67	
3GPP Rel 6 HSUPA Subtest-4	15.69	15.82	15.57	16.70	13.75	13.80	13.66	
3GPP Rel 6 HSUPA Subtest-5	17.65	17.79	17.75	18.70	15.57	15.79	15.65	
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	15.13	15.33	15.19	16.20	13.37	13.31	13.14	











WCDMA IV Arit5 DS11

Band	WCDMA IV			Tune-up Limit (dBm)
	1312	1413	1513	
TX Channel	1312	1413	1513	
RX Channel	1537	1638	1738	
Frequency (MHz)	1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.89	22.03	21.83
3GPP Rel 99	RMC 12.2Kbps	22.03	22.14	22.04
3GPP Rel 6	HSDPA Subtest-1	20.95	21.22	20.94
3GPP Rel 6	HSDPA Subtest-2	20.96	21.09	21.02
3GPP Rel 6	HSDPA Subtest-3	20.59	20.61	20.56
3GPP Rel 6	HSDPA Subtest-4	20.54	20.53	20.55
3GPP Rel 8	DC-HSDPA Subtest-1	21.04	21.07	20.88
3GPP Rel 8	DC-HSDPA Subtest-2	21.02	21.21	20.95
3GPP Rel 8	DC-HSDPA Subtest-3	20.60	20.60	20.55
3GPP Rel 8	DC-HSDPA Subtest-4	20.54	20.61	20.57
3GPP Rel 6	HSUPA Subtest-1	21.05	21.15	20.98
3GPP Rel 6	HSUPA Subtest-2	19.13	19.08	19.09
3GPP Rel 6	HSUPA Subtest-3	19.97	20.20	19.92
3GPP Rel 6	HSUPA Subtest-4	18.97	19.07	18.94
3GPP Rel 6	HSUPA Subtest-5	20.95	21.14	21.04
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.59	18.57	18.50







WCDMA IV A/n6 DS1

Band	WCDMA IV			Tune-up Limit (dBm)
	1312	1413	1513	
TX Channel	1312	1413	1513	
RX Channel	1537	1638	1738	
Frequency (MHz)	1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	17.11	17.21	17.17
3GPP Rel 99	RMC 12.2Kbps	17.14	17.32	17.25
3GPP Rel 6	HSDPA Subtest-1	16.22	16.36	16.54
3GPP Rel 6	HSDPA Subtest-2	16.20	16.37	16.36
3GPP Rel 6	HSDPA Subtest-3	15.77	15.85	15.93
3GPP Rel 6	HSDPA Subtest-4	15.70	15.91	15.91
3GPP Rel 8	DC-HSDPA Subtest-1	16.25	16.30	16.46
3GPP Rel 8	DC-HSDPA Subtest-2	16.32	16.31	16.53
3GPP Rel 8	DC-HSDPA Subtest-3	15.70	15.89	15.89
3GPP Rel 8	DC-HSDPA Subtest-4	15.67	15.91	15.92
3GPP Rel 6	HSUPA Subtest-1	16.30	16.35	16.54
3GPP Rel 6	HSUPA Subtest-2	14.29	14.42	14.39
3GPP Rel 6	HSUPA Subtest-3	15.24	15.42	15.44
3GPP Rel 6	HSUPA Subtest-4	14.30	14.29	14.50
3GPP Rel 6	HSUPA Subtest-5	16.39	16.37	16.39
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.74	13.85	13.91





Band 38 Ant6 DSI1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power High Ch./Freq., Power Middle Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple rows for various modulation schemes and RB sizes.

Band 41 Ant6 DSI1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Middle Ch./Freq., Power High Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple rows for various modulation schemes and RB sizes.









GSM850 Ant0 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	180	251		128	159	251	
Frequency (MHz)	824.2	836.4	848.8	34.00	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.89	33.06	32.97	34.00	23.89	24.06	23.97	25.00
GPRS 1 Tx slot	32.78	32.92	32.88	34.00	23.78	23.92	23.88	25.00
GPRS 2 Tx slots	29.75	29.86	29.81	31.00	23.75	23.86	23.81	25.00
GPRS 3 Tx slots	27.86	28.02	27.90	29.20	23.60	23.76	23.64	24.94
GPRS 4 Tx slots	26.51	26.65	26.51	28.00	23.51	23.65	23.51	25.00
EDGE 1 Tx slot	26.31	26.35	26.26	27.40	17.31	17.35	17.26	18.40
EDGE 2 Tx slots	23.70	23.84	23.80	24.40	17.70	17.84	17.80	18.40
EDGE 3 Tx slots	21.85	21.92	21.78	22.60	17.59	17.66	17.52	18.34
EDGE 4 Tx slots	20.46	20.57	20.45	21.40	17.46	17.57	17.45	18.40

WCDMA V Ant0 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	(dBm)
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	24.08	24.14	24.11	24.80
3GPP Rel 99 RMC 12.2Kbps	24.17	24.23	24.20	24.80
3GPP Rel 6 HSDPA Subtest-1	23.20	23.19	23.11	23.80
3GPP Rel 6 HSDPA Subtest-2	23.18	23.27	23.10	23.80
3GPP Rel 6 HSDPA Subtest-3	22.69	22.72	22.65	23.30
3GPP Rel 6 HSDPA Subtest-4	22.67	22.74	22.59	23.30
3GPP Rel 8 DC-HSDPA Subtest-1	23.12	23.20	23.07	23.80
3GPP Rel 8 DC-HSDPA Subtest-2	23.24	23.26	22.99	23.80
3GPP Rel 8 DC-HSDPA Subtest-3	22.63	22.73	22.64	23.30
3GPP Rel 8 DC-HSDPA Subtest-4	22.64	22.77	22.52	23.30
3GPP Rel 6 HSUPA Subtest-1	23.13	23.30	23.03	23.80
3GPP Rel 6 HSUPA Subtest-2	21.08	21.30	21.20	21.80
3GPP Rel 6 HSUPA Subtest-3	22.10	22.27	22.16	22.80
3GPP Rel 6 HSUPA Subtest-4	21.02	21.20	21.11	21.80
3GPP Rel 6 HSUPA Subtest-5	23.12	23.22	23.15	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.59	20.65	20.59	21.30







GSM850 Ant1 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	180	251		128	159	251	
Frequency (MHz)	824.2	836.4	848.8	34.60	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	33.06	33.01	33.15	34.60	24.06	24.01	24.15	25.60
GPRS 1 Tx slot	32.97	32.95	33.07	34.60	23.97	23.95	24.07	25.60
GPRS 2 Tx slots	29.99	29.88	30.09	31.60	23.99	23.88	24.09	25.60
GPRS 3 Tx slots	28.33	28.14	28.31	29.80	24.07	23.88	24.05	25.54
GPRS 4 Tx slots	26.89	26.92	26.72	28.60	23.89	23.92	23.72	25.60
EDGE 1 Tx slot	26.30	26.08	26.25	27.60	17.30	17.08	17.25	18.60
EDGE 2 Tx slots	23.43	23.24	23.42	24.60	17.43	17.24	17.42	18.60
EDGE 3 Tx slots	21.50	21.42	21.51	22.80	17.24	17.16	17.25	18.54
EDGE 4 Tx slots	20.26	20.06	20.20	21.60	17.26	17.06	17.20	18.60

WCDMA V Ant1 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	(dBm)
Frequency (MHz)	826.4	836.4	845.6	
3GPP Rel 99 AMR 12.2Kbps	24.36	24.46	24.36	25.50
3GPP Rel 99 RMC 12.2Kbps	24.42	24.51	24.43	25.50
3GPP Rel 6 HSDPA Subtest-1	23.36	23.53	23.33	24.50
3GPP Rel 6 HSDPA Subtest-2	23.35	23.51	23.42	24.00
3GPP Rel 6 HSDPA Subtest-3	22.93	23.00	23.04	23.50
3GPP Rel 6 HSDPA Subtest-4	22.96	22.97	22.96	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	23.49	23.52	23.32	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	23.36	23.52	23.33	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	23.00	22.99	22.92	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	22.84	23.06	22.97	23.50
3GPP Rel 6 HSUPA Subtest-1	23.36	23.51	23.41	24.00
3GPP Rel 6 HSUPA Subtest-2	21.53	21.57	21.44	22.00
3GPP Rel 6 HSUPA Subtest-3	22.45	22.48	22.35	23.00
3GPP Rel 6 HSUPA Subtest-4	21.46	21.49	21.35	22.00
3GPP Rel 6 HSUPA Subtest-5	23.40	23.46	23.47	24.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.96	21.04	20.88	21.50









GSM1900 Ant3 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.40	1850.2	1880	1909.8	21.40
GSM 1 Tx slot	29.70	29.81	29.73	30.40	20.70	20.81	20.73	21.40
GPRS 1 Tx slot	29.64	29.75	29.69	30.40	20.64	20.75	20.69	21.40
GPRS 2 Tx slots	26.58	26.61	26.48	27.40	20.58	20.61	20.48	21.40
GPRS 3 Tx slots	24.63	24.69	24.65	25.60	20.37	20.43	20.39	21.34
GPRS 4 Tx slots	23.72	23.85	23.83	24.40	20.72	20.85	20.83	21.40
EDGE 1 Tx slot	25.12	25.24	25.17	26.40	16.12	16.24	16.17	17.40
EDGE 2 Tx slots	22.52	22.60	22.49	23.40	16.52	16.60	16.49	17.40
EDGE 3 Tx slots	20.81	20.87	20.78	21.60	16.55	16.61	16.52	17.34
EDGE 4 Tx slots	19.64	19.71	19.54	20.40	16.64	16.71	16.54	17.40

WCDMA II Ant3 DSIS

WCDMA IV Ant3 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6	24.30	1712.4	1732.6	1752.6	22.80
3GPP Rel 99 AMR 12.2kbps	23.32	23.37	23.26	24.30	22.22	22.40	22.35	22.80
3GPP Rel 99 RMC 12.2kbps	23.37	23.43	23.34	24.30	22.29	22.41	22.36	22.80
3GPP Rel 6 HSDPA Subtest-1	22.32	22.47	22.21	23.30	21.25	21.35	21.39	21.80
3GPP Rel 6 HSDPA Subtest-2	22.32	22.41	22.25	23.30	21.29	21.46	21.34	21.80
3GPP Rel 6 HSDPA Subtest-3	22.02	22.01	21.80	22.80	20.84	20.97	21.04	21.30
3GPP Rel 6 HSDPA Subtest-4	21.87	21.91	21.72	22.80	20.80	21.02	20.98	21.30
3GPP Rel 8 DC-HSDPA Subtest-1	22.42	22.42	22.17	23.30	21.27	21.35	21.27	21.80
3GPP Rel 8 DC-HSDPA Subtest-2	22.34	22.33	22.21	23.30	21.28	21.40	21.38	21.80
3GPP Rel 8 DC-HSDPA Subtest-3	21.89	22.01	21.81	22.80	20.75	20.86	21.04	21.30
3GPP Rel 8 DC-HSDPA Subtest-4	21.76	21.97	21.67	22.80	20.78	20.98	20.89	21.30
3GPP Rel 6 HSUPA Subtest-1	22.38	22.50	22.30	23.30	21.24	21.47	21.40	21.80
3GPP Rel 6 HSUPA Subtest-2	20.45	20.38	20.32	21.30	19.44	19.42	19.39	19.80
3GPP Rel 6 HSUPA Subtest-3	21.35	21.44	21.16	22.30	20.20	20.48	20.37	20.80
3GPP Rel 6 HSUPA Subtest-4	20.39	20.52	20.18	21.30	19.39	19.39	19.42	19.80
3GPP Rel 6 HSUPA Subtest-5	22.29	22.43	22.24	23.30	21.26	21.52	21.39	21.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.98	19.90	19.69	20.80	18.85	18.96	18.72	19.30













GSM1900 Ant4 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	28.65	28.63	28.85	29.80	19.65	19.63	19.85	20.80
GPRS 1 Tx slot	28.62	28.58	28.79	29.80	19.62	19.58	19.79	20.80
GPRS 2 Tx slots	25.74	25.62	25.77	26.80	19.74	19.62	19.77	20.80
GPRS 3 Tx slots	23.46	23.35	23.48	25.00	19.20	19.09	19.22	20.74
GPRS 4 Tx slots	23.03	23.08	23.06	23.80	20.03	20.08	20.06	20.80
EDGE 1 Tx slot	24.35	24.28	24.41	26.20	15.35	15.28	15.41	17.20
EDGE 2 Tx slots	21.66	21.54	21.81	23.20	15.66	15.54	15.81	17.20
EDGE 3 Tx slots	19.90	19.78	20.10	21.40	15.64	15.52	15.84	17.14
EDGE 4 Tx slots	18.60	18.45	18.71	20.20	15.60	15.45	15.71	17.20

WCDMA II Ant4 DSIS

WCDMA IV Ant4 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99 AMR 12.2kbps	20.56	20.61	20.60	21.70	20.74	20.78	20.71	21.50
3GPP Rel 99 RMC 12.2kbps	20.56	20.76	20.69	21.70	20.90	20.83	20.76	21.50
3GPP Rel 6 HSDPA Subtest-1	19.59	19.65	19.63	20.70	19.63	19.89	19.65	20.50
3GPP Rel 6 HSDPA Subtest-2	19.56	19.81	19.54	20.70	19.79	19.83	19.65	20.50
3GPP Rel 6 HSDPA Subtest-3	19.10	19.21	19.15	20.20	19.27	19.30	19.24	20.00
3GPP Rel 6 HSDPA Subtest-4	19.13	19.31	19.17	20.20	19.31	19.26	19.39	20.00
3GPP Rel 8 DC-HSDPA Subtest-1	19.73	19.73	19.67	20.70	19.66	19.86	19.74	20.50
3GPP Rel 8 DC-HSDPA Subtest-2	19.50	19.70	19.50	20.70	19.64	19.95	19.56	20.50
3GPP Rel 8 DC-HSDPA Subtest-3	19.18	19.22	19.20	20.20	19.25	19.34	19.28	20.00
3GPP Rel 8 DC-HSDPA Subtest-4	19.19	19.30	19.22	20.20	19.14	19.36	19.27	20.00
3GPP Rel 6 HSUPA Subtest-1	19.58	19.80	19.65	20.70	19.65	19.85	19.78	20.50
3GPP Rel 6 HSUPA Subtest-2	17.70	17.67	17.73	18.70	17.76	17.81	17.80	18.50
3GPP Rel 6 HSUPA Subtest-3	18.68	18.79	18.63	19.70	18.60	18.83	18.76	19.50
3GPP Rel 6 HSUPA Subtest-4	17.69	17.80	17.59	18.70	17.76	17.85	17.66	18.50
3GPP Rel 6 HSUPA Subtest-5	19.67	19.74	19.77	20.70	19.66	19.84	19.67	20.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.11	17.26	17.20	18.20	17.30	17.31	17.16	18.00











WCDMA IV Arit5 DS3

Band	WCDMA IV			Tune-up Limit (dBm)
	1312	1413	1513	
TX Channel	1537	1638	1738	
RX Channel	1712.4	1732.6	1752.6	
Frequency (MHz)				
3GPP Rel 99	AMR 12.2Kbps	21.89	22.03	21.83
3GPP Rel 99	RMC 12.2Kbps	22.03	22.14	22.04
3GPP Rel 6	HSDPA Subtest-1	20.95	21.22	20.94
3GPP Rel 6	HSDPA Subtest-2	20.96	21.09	21.02
3GPP Rel 6	HSDPA Subtest-3	20.59	20.61	20.56
3GPP Rel 6	HSDPA Subtest-4	20.54	20.53	20.55
3GPP Rel 8	DC-HSDPA Subtest-1	21.04	21.07	20.88
3GPP Rel 8	DC-HSDPA Subtest-2	21.02	21.21	20.95
3GPP Rel 8	DC-HSDPA Subtest-3	20.60	20.60	20.55
3GPP Rel 8	DC-HSDPA Subtest-4	20.54	20.61	20.57
3GPP Rel 6	HSUPA Subtest-1	21.05	21.15	20.98
3GPP Rel 6	HSUPA Subtest-2	19.13	19.08	19.09
3GPP Rel 6	HSUPA Subtest-3	19.97	20.20	19.92
3GPP Rel 6	HSUPA Subtest-4	18.97	19.07	18.94
3GPP Rel 6	HSUPA Subtest-5	20.95	21.14	21.04
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.59	18.57	18.50







WCDMA IV Arit6 DS3

Band	WCDMA IV			Tune-up Limit (dBm)	
	1312	1413	1513		
TX Channel	1312	1413	1513		
RX Channel	1537	1638	1738		
Frequency (MHz)	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	21.66	21.83	21.74	23.00
3GPP Rel 99	RMC 12.2Kbps	21.69	21.84	21.79	23.00
3GPP Rel 6	HSDPA Subtest-1	20.79	20.84	21.08	22.00
3GPP Rel 6	HSDPA Subtest-2	20.73	20.88	20.89	22.00
3GPP Rel 6	HSDPA Subtest-3	20.34	20.42	20.45	21.50
3GPP Rel 6	HSDPA Subtest-4	20.25	20.34	20.51	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.82	20.81	21.00	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.94	20.87	21.09	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.25	20.46	20.39	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.25	20.41	20.43	21.50
3GPP Rel 6	HSUPA Subtest-1	20.89	20.90	21.11	22.00
3GPP Rel 6	HSUPA Subtest-2	18.80	18.94	19.00	20.00
3GPP Rel 6	HSUPA Subtest-3	19.81	19.90	20.00	21.00
3GPP Rel 6	HSUPA Subtest-4	18.92	18.86	18.94	20.00
3GPP Rel 6	HSUPA Subtest-5	20.92	20.91	20.98	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.25	18.30	18.45	19.50











GSM850 Ant0 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.89	33.06	32.97	34.00	23.89	24.06	23.97	25.00
GPRS 1 Tx slot	32.78	32.92	32.88	34.00	23.78	23.92	23.88	25.00
GPRS 2 Tx slots	29.75	29.86	29.81	31.00	23.75	23.86	23.81	25.00
GPRS 3 Tx slots	27.86	28.02	27.90	29.20	23.60	23.76	23.64	24.94
GPRS 4 Tx slots	26.51	26.65	26.51	28.00	23.51	23.65	23.51	25.00
EDGE 1 Tx slot	26.31	26.35	26.26	27.40	17.31	17.35	17.26	18.40
EDGE 2 Tx slots	23.70	23.84	23.80	24.40	17.70	17.84	17.80	18.40
EDGE 3 Tx slots	21.85	21.92	21.78	22.60	17.59	17.66	17.52	18.34
EDGE 4 Tx slots	20.46	20.57	20.45	21.40	17.46	17.57	17.45	18.40

WCDMA V Ant0 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	24.06	24.14	24.11	24.80
3GPP Rel 99 RMC 12.2Kbps	24.17	24.23	24.20	24.80
3GPP Rel 6 HSDPA Subtest-1	23.20	23.19	23.11	23.80
3GPP Rel 6 HSDPA Subtest-2	23.18	23.27	23.10	23.80
3GPP Rel 6 HSDPA Subtest-3	22.69	22.72	22.65	23.30
3GPP Rel 6 HSDPA Subtest-4	22.67	22.74	22.59	23.30
3GPP Rel 8 DC-HSDPA Subtest-1	23.12	23.20	23.07	23.80
3GPP Rel 8 DC-HSDPA Subtest-2	23.24	23.26	22.99	23.80
3GPP Rel 8 DC-HSDPA Subtest-3	22.63	22.73	22.64	23.30
3GPP Rel 8 DC-HSDPA Subtest-4	22.64	22.77	22.52	23.30
3GPP Rel 6 HSUPA Subtest-1	23.13	23.30	23.03	23.80
3GPP Rel 6 HSUPA Subtest-2	21.06	21.30	21.20	21.80
3GPP Rel 6 HSUPA Subtest-3	22.10	22.27	22.16	22.80
3GPP Rel 6 HSUPA Subtest-4	21.02	21.20	21.11	21.80
3GPP Rel 6 HSUPA Subtest-5	23.12	23.22	23.15	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.59	20.65	20.59	21.30







GSM850 Ant1 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	180	251		128	159	251	
Frequency (MHz)	824.2	836.4	848.8	34.60	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	33.06	33.01	33.15	34.60	24.06	24.01	24.15	25.60
GPRS 1 Tx slot	32.97	32.95	33.07	34.60	23.97	23.95	24.07	25.60
GPRS 2 Tx slots	29.99	29.88	30.09	31.60	23.99	23.88	24.09	25.60
GPRS 3 Tx slots	28.33	28.14	28.31	29.80	24.07	23.88	24.05	25.54
GPRS 4 Tx slots	26.89	26.92	26.72	28.60	23.89	23.92	23.72	25.60
EDGE 1 Tx slot	26.30	26.08	26.25	27.60	17.30	17.08	17.25	18.60
EDGE 2 Tx slots	23.43	23.24	23.42	24.60	17.43	17.24	17.42	18.60
EDGE 3 Tx slots	21.50	21.42	21.51	22.80	17.24	17.16	17.25	18.54
EDGE 4 Tx slots	20.26	20.06	20.20	21.60	17.26	17.06	17.20	18.60

WCDMA V Ant1 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	(dBm)
Frequency (MHz)	826.4	836.4	845.6	
3GPP Rel 99 AMR 12.2Kbps	24.36	24.46	24.36	25.50
3GPP Rel 99 RMC 12.2Kbps	24.42	24.51	24.43	25.50
3GPP Rel 6 HSDPA Subtest-1	23.36	23.53	23.33	24.50
3GPP Rel 6 HSDPA Subtest-2	23.35	23.51	23.42	24.00
3GPP Rel 6 HSDPA Subtest-3	22.93	23.00	23.04	23.50
3GPP Rel 6 HSDPA Subtest-4	22.96	22.97	22.96	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	23.49	23.52	23.32	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	23.36	23.52	23.33	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	23.00	22.99	22.92	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	22.84	23.06	22.97	23.50
3GPP Rel 6 HSUPA Subtest-1	23.36	23.51	23.41	24.00
3GPP Rel 6 HSUPA Subtest-2	21.53	21.57	21.44	22.00
3GPP Rel 6 HSUPA Subtest-3	22.45	22.48	22.35	23.00
3GPP Rel 6 HSUPA Subtest-4	21.46	21.49	21.35	22.00
3GPP Rel 6 HSUPA Subtest-5	23.40	23.46	23.47	24.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.96	21.04	20.88	21.50









GSM1900 Ant3 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	910		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.40	1850.2	1880	1909.8	21.40
GSM 1 Tx slot	29.70	29.81	29.73	30.40	20.70	20.81	20.73	21.40
GPRS 1 Tx slot	29.64	29.75	29.69	30.40	20.64	20.75	20.69	21.40
GPRS 2 Tx slots	26.58	26.61	26.48	27.40	20.58	20.61	20.48	21.40
GPRS 3 Tx slots	24.63	24.69	24.65	25.60	20.37	20.43	20.39	21.34
GPRS 4 Tx slots	23.72	23.85	23.83	24.40	20.72	20.85	20.83	21.40
EDGE 1 Tx slot	25.12	25.24	25.17	26.40	16.12	16.24	16.17	17.40
EDGE 2 Tx slots	22.52	22.60	22.49	23.40	16.52	16.60	16.49	17.40
EDGE 3 Tx slots	20.81	20.87	20.78	21.60	16.55	16.61	16.52	17.34
EDGE 4 Tx slots	19.64	19.71	19.54	20.40	16.64	16.71	16.54	17.40

WCDMA II Ant3 Default

WCDMA IV Ant3 Default

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2kbps	24.36	24.36	24.31	25.30	24.14	24.30	24.26	24.80
3GPP Rel 99 RMC 12.2kbps	24.42	24.44	24.37	25.30	24.23	24.35	24.32	24.80
3GPP Rel 6 HSDPA Subtest-1	23.28	23.40	23.18	24.30	23.17	23.28	23.30	23.80
3GPP Rel 6 HSDPA Subtest-2	23.29	23.40	23.19	24.30	23.19	23.37	23.23	23.80
3GPP Rel 6 HSDPA Subtest-3	22.97	23.00	22.81	23.80	22.79	22.85	22.87	23.30
3GPP Rel 6 HSDPA Subtest-4	22.84	22.94	22.76	23.80	22.71	22.86	22.88	23.30
3GPP Rel 8 DC-HSDPA Subtest-1	23.47	23.38	23.18	24.30	23.18	23.27	23.21	23.80
3GPP Rel 8 DC-HSDPA Subtest-2	23.29	23.35	23.18	24.30	23.14	23.34	23.30	23.80
3GPP Rel 8 DC-HSDPA Subtest-3	22.86	22.99	22.81	23.80	22.66	22.80	22.88	23.30
3GPP Rel 8 DC-HSDPA Subtest-4	22.78	22.95	22.72	23.80	22.73	22.84	22.78	23.30
3GPP Rel 6 HSUPA Subtest-1	23.37	23.43	23.29	24.30	23.15	23.32	23.30	23.80
3GPP Rel 6 HSUPA Subtest-2	21.50	21.39	21.27	22.30	21.27	21.29	21.31	21.80
3GPP Rel 6 HSUPA Subtest-3	22.29	22.38	22.21	23.30	22.14	22.35	22.31	22.80
3GPP Rel 6 HSUPA Subtest-4	21.37	21.46	21.19	22.30	21.22	21.31	21.27	21.80
3GPP Rel 6 HSUPA Subtest-5	23.30	23.41	23.23	24.30	23.20	23.39	23.23	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.95	20.93	20.69	21.80	20.76	20.88	20.67	21.30











Band 42 Ant3 Default

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 48 Ant3 Default

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Middle Ch./Freq., Power High Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

GSM1900 Ant4 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	910		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	28.65	28.63	28.85	29.80	19.65	19.63	19.85	20.80
GPRS 1 Tx slot	28.62	28.58	28.79	29.80	19.62	19.58	19.79	20.80
GPRS 2 Tx slots	25.74	25.62	25.77	26.80	19.74	19.62	19.77	20.80
GPRS 3 Tx slots	23.46	23.35	23.48	25.00	19.20	19.09	19.22	20.74
GPRS 4 Tx slots	23.03	23.08	23.06	23.80	20.03	20.08	20.06	20.80
EDGE 1 Tx slot	24.35	24.28	24.41	26.20	15.35	15.28	15.41	17.20
EDGE 2 Tx slots	21.66	21.54	21.81	23.20	15.66	15.54	15.81	17.20
EDGE 3 Tx slots	19.90	19.76	20.10	21.40	15.64	15.52	15.84	17.14
EDGE 4 Tx slots	18.60	18.45	18.71	20.20	15.60	15.45	15.71	17.20

WCDMA II Ant4 Default

WCDMA IV Ant4 Default

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938	1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99 AMR 12.2kbps	23.72	23.83	23.85	24.70	23.78	23.80	23.74	24.50
3GPP Rel 99 RMC 12.2kbps	23.80	23.91	23.73	24.70	23.85	23.88	23.81	24.50
3GPP Rel 6 HSDPA Subtest-1	22.72	22.88	22.81	23.70	22.83	22.83	22.65	23.50
3GPP Rel 6 HSDPA Subtest-2	22.75	22.99	22.72	23.70	22.73	22.79	22.61	23.50
3GPP Rel 6 HSDPA Subtest-3	22.29	22.41	22.34	23.20	22.25	22.25	22.27	23.00
3GPP Rel 6 HSDPA Subtest-4	22.35	22.47	22.35	23.20	22.24	22.31	22.32	23.00
3GPP Rel 8 DC-HSDPA Subtest-1	22.87	22.95	22.83	23.70	22.84	22.81	22.67	23.50
3GPP Rel 8 DC-HSDPA Subtest-2	22.72	22.88	22.72	23.70	22.65	22.89	22.60	23.50
3GPP Rel 8 DC-HSDPA Subtest-3	22.33	22.46	22.35	23.20	22.19	22.34	22.27	23.00
3GPP Rel 8 DC-HSDPA Subtest-4	22.33	22.46	22.36	23.20	22.18	22.33	22.23	23.00
3GPP Rel 6 HSUPA Subtest-1	22.71	22.98	22.90	23.70	22.69	22.78	22.82	23.50
3GPP Rel 6 HSUPA Subtest-2	20.93	20.91	20.88	21.70	20.77	20.77	20.74	21.50
3GPP Rel 6 HSUPA Subtest-3	21.82	21.97	21.79	22.70	21.64	21.83	21.72	22.50
3GPP Rel 6 HSUPA Subtest-4	20.85	20.96	20.73	21.70	20.76	20.84	20.61	21.50
3GPP Rel 6 HSUPA Subtest-5	22.84	22.94	22.90	23.70	22.62	22.83	22.67	23.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.30	20.49	20.34	21.20	20.34	20.32	20.13	21.00











WCDMA IV Arit5 DS4

Band	WCDMA IV			Tune-up Limit (dBm)
	1312	1413	1513	
TX Channel	1537	1638	1738	
RX Channel	1712.4	1732.6	1752.6	
Frequency (MHz)				
3GPP Rel 99	AMR 12.2Kbps	21.89	22.03	21.83
3GPP Rel 99	RMC 12.2Kbps	22.03	22.14	22.04
3GPP Rel 6	HSDPA Subtest-1	20.95	21.22	20.94
3GPP Rel 6	HSDPA Subtest-2	20.96	21.09	21.02
3GPP Rel 6	HSDPA Subtest-3	20.59	20.61	20.56
3GPP Rel 6	HSDPA Subtest-4	20.54	20.53	20.55
3GPP Rel 8	DC-HSDPA Subtest-1	21.04	21.07	20.88
3GPP Rel 8	DC-HSDPA Subtest-2	21.02	21.21	20.95
3GPP Rel 8	DC-HSDPA Subtest-3	20.60	20.60	20.55
3GPP Rel 8	DC-HSDPA Subtest-4	20.54	20.61	20.57
3GPP Rel 6	HSUPA Subtest-1	21.05	21.15	20.98
3GPP Rel 6	HSUPA Subtest-2	19.13	19.08	19.09
3GPP Rel 6	HSUPA Subtest-3	19.97	20.20	19.92
3GPP Rel 6	HSUPA Subtest-4	18.97	19.07	18.94
3GPP Rel 6	HSUPA Subtest-5	20.95	21.14	21.04
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.59	18.57	18.50







WCDMA IV Arit6 DS4

Band	WCDMA IV			Tune-up Limit (dBm)	
	1312	1413	1513		
TX Channel	1312	1413	1513		
RX Channel	1537	1638	1738		
Frequency (MHz)	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	21.66	21.83	21.74	23.00
3GPP Rel 99	RMC 12.2Kbps	21.69	21.84	21.79	23.00
3GPP Rel 6	HSDPA Subtest-1	20.79	20.84	21.08	22.00
3GPP Rel 6	HSDPA Subtest-2	20.73	20.88	20.89	22.00
3GPP Rel 6	HSDPA Subtest-3	20.34	20.42	20.45	21.50
3GPP Rel 6	HSDPA Subtest-4	20.25	20.34	20.51	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.82	20.81	21.00	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.94	20.87	21.09	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.25	20.46	20.39	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.25	20.41	20.43	21.50
3GPP Rel 6	HSUPA Subtest-1	20.89	20.90	21.11	22.00
3GPP Rel 6	HSUPA Subtest-2	18.80	18.94	19.00	20.00
3GPP Rel 6	HSUPA Subtest-3	19.81	19.90	20.00	21.00
3GPP Rel 6	HSUPA Subtest-4	18.92	18.86	18.94	20.00
3GPP Rel 6	HSUPA Subtest-5	20.92	20.91	20.98	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.25	18.30	18.45	19.50













GSM850 Ant0 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.89	33.06	32.97	34.00	23.89	24.06	23.97	25.00
GPRS 1 Tx slot	32.78	32.92	32.88	34.00	23.78	23.92	23.88	25.00
GPRS 2 Tx slots	29.75	29.86	29.81	31.00	23.75	23.86	23.81	25.00
GPRS 3 Tx slots	27.86	28.02	27.90	29.20	23.60	23.76	23.64	24.94
GPRS 4 Tx slots	26.51	26.65	26.51	28.00	23.51	23.65	23.51	25.00
EDGE 1 Tx slot	26.31	26.35	26.26	27.40	17.31	17.35	17.26	18.40
EDGE 2 Tx slots	23.70	23.84	23.80	24.40	17.70	17.84	17.80	18.40
EDGE 3 Tx slots	21.85	21.92	21.78	22.60	17.59	17.66	17.52	18.34
EDGE 4 Tx slots	20.46	20.57	20.45	21.40	17.46	17.57	17.45	18.40

WCDMA V Ant0 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	24.06	24.14	24.11	24.80
3GPP Rel 99 RMC 12.2Kbps	24.17	24.23	24.20	24.80
3GPP Rel 6 HSDPA Subtest-1	23.20	23.19	23.11	23.80
3GPP Rel 6 HSDPA Subtest-2	23.18	23.27	23.10	23.80
3GPP Rel 6 HSDPA Subtest-3	22.69	22.72	22.65	23.30
3GPP Rel 6 HSDPA Subtest-4	22.67	22.74	22.59	23.30
3GPP Rel 8 DC-HSDPA Subtest-1	23.12	23.20	23.07	23.80
3GPP Rel 8 DC-HSDPA Subtest-2	23.24	23.26	22.99	23.80
3GPP Rel 8 DC-HSDPA Subtest-3	22.63	22.73	22.64	23.30
3GPP Rel 8 DC-HSDPA Subtest-4	22.64	22.77	22.52	23.30
3GPP Rel 6 HSUPA Subtest-1	23.13	23.30	23.03	23.80
3GPP Rel 6 HSUPA Subtest-2	21.06	21.30	21.20	21.80
3GPP Rel 6 HSUPA Subtest-3	22.10	22.27	22.16	22.80
3GPP Rel 6 HSUPA Subtest-4	21.02	21.20	21.11	21.80
3GPP Rel 6 HSUPA Subtest-5	23.12	23.22	23.15	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.59	20.65	20.59	21.30





GSM850 Ant1 DSIS

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	180	251		128	159	251	
Frequency (MHz)	824.2	836.4	848.8	31.60	824.2	836.4	848.8	21.50
GSM 1 Tx slot	30.26	30.21	30.35	31.60	21.26	21.21	21.35	22.60
GPRS 1 Tx slot	30.17	30.15	30.27	31.60	21.17	21.15	21.27	22.60
GPRS 2 Tx slots	27.14	27.03	27.24	28.60	21.14	21.03	21.24	22.60
GPRS 3 Tx slots	25.43	25.24	25.41	26.80	21.17	20.98	21.15	22.54
GPRS 4 Tx slots	23.89	23.92	23.72	25.60	20.89	20.92	20.72	22.60
EDGE 1 Tx slot	26.30	26.08	26.25	27.60	17.30	17.08	17.25	18.60
EDGE 2 Tx slots	23.43	23.24	23.42	24.60	17.43	17.24	17.42	18.60
EDGE 3 Tx slots	21.50	21.42	21.51	22.80	17.24	17.16	17.25	18.54
EDGE 4 Tx slots	20.26	20.06	20.20	21.60	17.26	17.06	17.20	18.60

WCDMA V Ant1 DSIS

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	845.6	
3GPP Rel 99 AMR 12.2kbps	20.21	20.33	20.24	21.50
3GPP Rel 99 RMC 12.2kbps	20.28	20.39	20.34	21.50
3GPP Rel 6 HSDPA Subtest-1	19.28	19.38	19.23	20.50
3GPP Rel 6 HSDPA Subtest-2	19.28	19.33	19.34	24.00
3GPP Rel 6 HSDPA Subtest-3	18.82	18.82	18.90	23.50
3GPP Rel 6 HSDPA Subtest-4	18.84	18.88	18.83	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	19.36	19.43	19.18	20.50
3GPP Rel 8 DC-HSDPA Subtest-2	19.19	19.35	19.18	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	18.84	18.79	18.75	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	18.67	18.86	18.88	23.50
3GPP Rel 6 HSUPA Subtest-1	19.25	19.41	19.22	24.00
3GPP Rel 6 HSUPA Subtest-2	17.44	17.41	17.26	22.00
3GPP Rel 6 HSUPA Subtest-3	18.28	18.32	18.17	23.00
3GPP Rel 6 HSUPA Subtest-4	17.34	17.40	17.19	22.00
3GPP Rel 6 HSUPA Subtest-5	19.21	19.36	19.36	20.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	16.81	16.85	16.77	21.50









GSM1900 Ant3 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.40	1850.2	1880	1909.8	21.40
GSM 1 Tx slot	29.70	29.81	29.73	30.40	20.70	20.81	20.73	21.40
GPRS 1 Tx slot	29.64	29.75	29.69	30.40	20.64	20.75	20.69	21.40
GPRS 2 Tx slots	26.58	26.61	26.48	27.40	20.58	20.61	20.48	21.40
GPRS 3 Tx slots	24.63	24.69	24.65	25.60	20.37	20.43	20.39	21.34
GPRS 4 Tx slots	23.72	23.85	23.83	24.40	20.72	20.85	20.83	21.40
EDGE 1 Tx slot	25.12	25.24	25.17	26.40	16.12	16.24	16.17	17.40
EDGE 2 Tx slots	22.52	22.60	22.49	23.40	16.52	16.60	16.49	17.40
EDGE 3 Tx slots	20.81	20.87	20.78	21.60	16.55	16.61	16.52	17.34
EDGE 4 Tx slots	19.64	19.71	19.54	20.40	16.64	16.71	16.54	17.40

WCDMA II Ant3 DSIS

WCDMA IV Ant3 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6	22.30	1712.4	1732.6	1752.6	22.80
3GPP Rel 99 AMR 12.2kbps	21.24	21.29	21.24	22.30	22.22	22.40	22.35	22.80
3GPP Rel 99 RMC 12.2kbps	21.33	21.36	21.29	22.30	22.29	22.41	22.36	22.80
3GPP Rel 6 HSDPA Subtest-1	20.16	20.29	20.13	21.30	21.25	21.35	21.39	21.80
3GPP Rel 6 HSDPA Subtest-2	20.21	20.34	20.06	21.30	21.29	21.46	21.34	21.80
3GPP Rel 6 HSDPA Subtest-3	19.83	19.88	19.68	20.80	20.84	20.97	21.04	21.30
3GPP Rel 6 HSDPA Subtest-4	19.72	19.84	19.70	20.80	20.80	21.02	20.98	21.30
3GPP Rel 8 DC-HSDPA Subtest-1	20.32	20.34	20.06	21.30	21.27	21.35	21.27	21.80
3GPP Rel 8 DC-HSDPA Subtest-2	20.25	20.28	20.13	21.30	21.28	21.40	21.38	21.80
3GPP Rel 8 DC-HSDPA Subtest-3	19.73	19.93	19.66	20.80	20.75	20.86	21.04	21.30
3GPP Rel 8 DC-HSDPA Subtest-4	19.65	19.82	19.61	20.80	20.78	20.98	20.89	21.30
3GPP Rel 6 HSUPA Subtest-1	20.32	20.39	20.16	21.30	21.24	21.47	21.40	21.80
3GPP Rel 6 HSUPA Subtest-2	18.39	18.29	18.13	19.30	19.44	19.42	19.39	19.80
3GPP Rel 6 HSUPA Subtest-3	19.26	19.26	19.10	20.30	20.20	20.48	20.37	20.80
3GPP Rel 6 HSUPA Subtest-4	18.26	18.37	18.15	19.30	19.39	19.39	19.42	19.80
3GPP Rel 6 HSUPA Subtest-5	20.24	20.29	20.09	21.30	21.26	21.52	21.39	21.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.85	17.80	17.63	18.80	18.85	18.96	18.72	19.30











GSM1900 Ant4 DSIS

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	910		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	27.80	1850.2	1880	1909.8	18.80
GSM 1 Tx slot	26.87	26.81	26.77	27.80	17.87	17.81	17.77	18.80
GPRS 1 Tx slot	26.74	26.75	26.70	27.80	17.74	17.75	17.70	18.80
GPRS 2 Tx slots	23.48	23.43	23.33	24.80	17.48	17.43	17.33	18.80
GPRS 3 Tx slots	21.59	21.51	21.44	23.00	17.33	17.25	17.18	18.74
GPRS 4 Tx slots	20.71	20.72	20.69	21.80	17.71	17.72	17.69	18.80
EDGE 1 Tx slot	24.35	24.28	24.41	26.20	15.35	15.28	15.41	17.20
EDGE 2 Tx slots	21.66	21.54	21.81	23.20	15.66	15.54	15.81	17.20
EDGE 3 Tx slots	19.90	19.76	20.10	21.40	15.64	15.52	15.84	17.14
EDGE 4 Tx slots	18.60	18.45	18.71	20.20	15.60	15.45	15.71	17.20

WCDMA II Ant4 DSIS

WCDMA IV Ant4 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2kbps	18.61	18.69	18.54	19.70	16.76	16.77	16.74	17.50
3GPP Rel 99 RMC 12.2kbps	18.68	18.60	18.65	19.70	16.81	16.86	16.82	17.50
3GPP Rel 6 HSDPA Subtest-1	17.58	17.76	17.62	18.70	15.64	15.86	15.69	16.50
3GPP Rel 6 HSDPA Subtest-2	17.57	17.86	17.59	18.70	15.72	15.82	15.81	16.50
3GPP Rel 6 HSDPA Subtest-3	17.13	17.22	17.26	18.20	15.22	15.27	15.33	16.00
3GPP Rel 6 HSDPA Subtest-4	17.15	17.30	17.26	18.20	15.21	15.37	15.34	16.00
3GPP Rel 8 DC-HSDPA Subtest-1	17.77	17.83	17.73	18.70	15.80	15.79	15.70	16.50
3GPP Rel 8 DC-HSDPA Subtest-2	17.58	17.77	17.56	18.70	15.66	15.94	15.55	16.50
3GPP Rel 8 DC-HSDPA Subtest-3	17.25	17.26	17.17	18.20	15.19	15.39	15.32	16.00
3GPP Rel 8 DC-HSDPA Subtest-4	17.19	17.35	17.17	18.20	15.22	15.38	15.29	16.00
3GPP Rel 6 HSUPA Subtest-1	17.59	17.81	17.76	18.70	15.68	15.79	15.83	16.50
3GPP Rel 6 HSUPA Subtest-2	15.85	15.72	15.78	16.70	13.75	13.63	13.75	14.50
3GPP Rel 6 HSUPA Subtest-3	16.68	16.86	16.63	17.70	14.81	14.85	14.67	15.50
3GPP Rel 6 HSUPA Subtest-4	15.69	15.82	15.57	16.70	13.75	13.80	13.66	14.50
3GPP Rel 6 HSUPA Subtest-5	17.65	17.79	17.75	18.70	15.57	15.79	15.65	16.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	15.13	15.33	15.19	16.20	13.37	13.31	13.14	14.00











WCDMA IV Arit5 DS15

Band	WCDMA IV			Tune-up Limit (dBm)
	1312	1413	1513	
TX Channel	1312	1413	1513	
RX Channel	1537	1638	1738	
Frequency (MHz)	1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.89	22.03	21.83
3GPP Rel 99	RMC 12.2Kbps	22.03	22.14	22.04
3GPP Rel 6	HSDPA Subtest-1	20.95	21.22	20.94
3GPP Rel 6	HSDPA Subtest-2	20.96	21.09	21.02
3GPP Rel 6	HSDPA Subtest-3	20.59	20.61	20.56
3GPP Rel 6	HSDPA Subtest-4	20.54	20.53	20.55
3GPP Rel 8	DC-HSDPA Subtest-1	21.04	21.07	20.88
3GPP Rel 8	DC-HSDPA Subtest-2	21.02	21.21	20.95
3GPP Rel 8	DC-HSDPA Subtest-3	20.60	20.60	20.55
3GPP Rel 8	DC-HSDPA Subtest-4	20.54	20.61	20.57
3GPP Rel 6	HSUPA Subtest-1	21.05	21.15	20.98
3GPP Rel 6	HSUPA Subtest-2	19.13	19.08	19.09
3GPP Rel 6	HSUPA Subtest-3	19.97	20.20	19.92
3GPP Rel 6	HSUPA Subtest-4	18.97	19.07	18.94
3GPP Rel 6	HSUPA Subtest-5	20.95	21.14	21.04
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.59	18.57	18.50







WCDMA IV A/n6 DS15

Band	WCDMA IV			Tune-up Limit (dBm)
	1312	1413	1513	
TX Channel	1312	1413	1513	
RX Channel	1537	1638	1738	
Frequency (MHz)	1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	17.11	17.21	17.17
3GPP Rel 99	RMC 12.2Kbps	17.14	17.32	17.25
3GPP Rel 6	HSDPA Subtest-1	16.22	16.36	16.54
3GPP Rel 6	HSDPA Subtest-2	16.20	16.37	16.36
3GPP Rel 6	HSDPA Subtest-3	15.77	15.85	15.93
3GPP Rel 6	HSDPA Subtest-4	15.70	15.91	15.91
3GPP Rel 8	DC-HSDPA Subtest-1	16.25	16.30	16.46
3GPP Rel 8	DC-HSDPA Subtest-2	16.32	16.31	16.53
3GPP Rel 8	DC-HSDPA Subtest-3	15.70	15.89	15.89
3GPP Rel 8	DC-HSDPA Subtest-4	15.67	15.91	15.92
3GPP Rel 6	HSUPA Subtest-1	16.30	16.35	16.54
3GPP Rel 6	HSUPA Subtest-2	14.29	14.42	14.39
3GPP Rel 6	HSUPA Subtest-3	15.24	15.42	15.44
3GPP Rel 6	HSUPA Subtest-4	14.30	14.29	14.50
3GPP Rel 6	HSUPA Subtest-5	16.39	16.37	16.39
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.74	13.85	13.91























Ant1 Full Power

CA_42C								
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		
42190	42388	QPSK	1	99	1	0	23.06	24.50
42590	42788	QPSK	1	99	1	0	23.22	24.50
42990	42792	QPSK	1	0	1	99	23.14	24.50
42190	42388	QPSK	50	50	50	0	22.98	24.50
42590	42788	QPSK	50	50	50	0	23.12	24.50
42990	42792	QPSK	50	0	50	50	22.93	24.50

Ant3 Full Power&DS1&5

CA_42C								
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		
42190	42388	QPSK	1	99	1	0	21.63	22.80
42590	42788	QPSK	1	99	1	0	21.74	22.80
42990	42792	QPSK	1	0	1	99	21.61	22.80
42190	42388	QPSK	50	50	50	0	21.58	22.80
42590	42788	QPSK	50	50	50	0	21.70	22.80
42990	42792	QPSK	50	0	50	50	21.57	22.80

Ant10 Full Power&DS4

CA_42C								
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		
42190	42388	QPSK	1	99	1	0	24.86	25.70
42590	42788	QPSK	1	99	1	0	24.95	25.70
42990	42792	QPSK	1	0	1	99	24.81	25.70
42190	42388	QPSK	50	50	50	0	24.68	25.70
42590	42788	QPSK	50	50	50	0	24.87	25.70
42990	42792	QPSK	50	0	50	50	24.62	25.70

Ant13 Full Power&DS1

CA_42C								
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		
42190	42388	QPSK	1	99	1	0	22.63	24.40
42590	42788	QPSK	1	99	1	0	22.78	24.40
42990	42792	QPSK	1	0	1	99	22.72	24.40
42190	42388	QPSK	50	50	50	0	22.61	24.40
42590	42788	QPSK	50	50	50	0	22.72	24.40
42990	42792	QPSK	50	0	50	50	22.70	24.40





Ant4 DSI3

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	21.94	22.50
21100	21298	QPSK	1	99	1	0	22.01	22.50
21350	21152	QPSK	1	0	1	99	21.80	22.50
20850	21048	QPSK	50	50	50	0	21.88	22.50
21100	21298	QPSK	50	50	50	0	21.89	22.50
21350	21152	QPSK	50	0	50	50	21.76	22.50

Ant5 DSI3&4

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	19.88	20.60
21100	21298	QPSK	1	99	1	0	20.06	20.60
21350	21152	QPSK	1	0	1	99	19.95	20.60
20850	21048	QPSK	50	50	50	0	19.86	20.60
21100	21298	QPSK	50	50	50	0	19.87	20.60
21350	21152	QPSK	50	0	50	50	19.82	20.60

Ant5 DSI3&4

CA_38C								
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		
37850	38048	QPSK	1	99	1	0	22.02	22.70
37901	38099	QPSK	1	99	1	0	22.20	22.70
38150	37952	QPSK	1	0	1	99	21.95	22.70
37850	38048	QPSK	50	50	50	0	21.87	22.70
37901	38099	QPSK	50	50	50	0	22.12	22.70
38150	37952	QPSK	50	0	50	50	21.84	22.70

Ant6 DSI3&4&5

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	18.18	19.50
21100	21298	QPSK	1	99	1	0	18.36	19.50
21350	21152	QPSK	1	0	1	99	18.24	19.50
20850	21048	QPSK	50	50	50	0	18.09	19.50
21100	21298	QPSK	50	50	50	0	18.32	19.50
21350	21152	QPSK	50	0	50	50	18.12	19.50

Ant6 DSI3&4

CA_38C								
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		
37850	38048	QPSK	1	99	1	0	21.36	22.70
37901	38099	QPSK	1	99	1	0	21.48	22.70
38150	37952	QPSK	1	0	1	99	21.40	22.70
37850	38048	QPSK	50	50	50	0	21.15	22.70
37901	38099	QPSK	50	50	50	0	21.42	22.70
38150	37952	QPSK	50	0	50	50	21.28	22.70



## Conducted Power for DL CA

2CA DL

CA List	PCC											SCC				Power	
	LTE	SW	BW	UL	UL		UL#	UL	DL Antenna	LTE	BW	DL	DL	DL Antenna	With CA	Without CA	
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Configuratio n	Band	(MHz)	Freq. (MHz)	Channel	Configuratio n	Tx Power (dBm)	Tx Power (dBm)	
CA_2C	Band 2	Ant3	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		25.03	25.18	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		24.41	24.55	
CA_2A-2A	Band 2	Ant3	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		25.00	25.18	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		24.48	24.55	
CA_2A-66A	Band 2	Ant3	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		25.09	25.18	
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		25.08	25.24	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		24.47	24.55	
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		24.84	24.96	
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		24.62	24.73	
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		23.53	23.75	
CA_5A-41A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	24.92	24.99	
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	23.98	24.12	
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	24.96	25.12	
CA_12A-66A	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	24.21	24.37	
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		25.11	25.24	
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		24.84	24.96	
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		24.59	24.73	
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		23.52	23.75	
	Band 38	Ant3	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	24.87	25.06	
CA_38C	Band 38	Ant4	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	25.04	25.17	
	Band 38	Ant5	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	25.02	25.14	
	Band 38	Ant6	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	24.44	24.51	
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	25.03	25.10	
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	25.06	25.23	
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	25.05	25.23	
CA_41A-48A	Band 41	Ant6	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.39	24.56	
	Band 48	Ant1	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	23.22	23.38	
	Band 48	Ant3	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	21.69	21.86	
	Band 48	Ant10	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	25.03	25.21	
	Band 48	Ant13	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	23.11	23.26	
	Band 66	Ant3	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	25.11	25.24	
CA_66B	Band 66	Ant4	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	24.84	24.96	
	Band 66	Ant5	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	24.61	24.73	
	Band 66	Ant6	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	23.57	23.75	
CA_66C	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	25.16	25.24	
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	24.81	24.96	
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	24.59	24.73	
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	23.62	23.75	
CA_42C	Band 42	Ant1	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	23.15	23.32	
	Band 42	Ant3	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	21.65	21.78	
	Band 42	Ant10	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	25.02	25.19	
	Band 42	Ant13	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	22.87	23.06	

3CA DL

3CA List	PCC										SCC1					SCC2					Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)
	Band	Ant	(MHz)	(MHz)	Channel	RB	RB Offset	n	Band		(MHz)	Freq. (MHz)	Channel	Band		(MHz)	Freq. (MHz)	Channel				
CA_2A-4A-5A	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		25.02	25.18	
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 2	20M	1960	900		25.10	25.22		
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		24.39	24.55	
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 2	20M	1960	900		24.78	24.93		
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 2	20M	1960	900		24.41	24.56		
	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 2	20M	1960	900		23.67	23.72		
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	4x4MIMO	24.95	24.99		
CA_2A-7A-7C	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	4x4MIMO	23.89	24.12		
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	25.11	25.18	
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900		25.05	25.17	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.33	24.55	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900		24.87	25.10	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900		25.10	25.26	
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900		24.33	24.50	
CA_2A-7A-7A	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	25.10	25.18	
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		25.09	25.17	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.47	24.55	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		24.92	25.10	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		25.09	25.26	
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		24.37	24.50	
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		25.12	25.22	
CA_4A-7C	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	25.10	25.17	
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.82	24.93	
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.86	25.10	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.42	24.56	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	25.11	25.26	
	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.49	23.72	
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.35	24.50	
CA_5A-7C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.91	24.99	
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.96	24.12	
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		25.08	25.17	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		24.93	25.10	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		25.08	25.26	
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		24.42	24.50	
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2680	3350	4x4MIMO	24.90	24.99	
CA_5A-7A-7A	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2680	3350	4x4MIMO	23.89	24.12	
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2680	3350	4x4MIMO	Band 5	10M	881.5	2525		25.05	25.17	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2680	3350	4x4MIMO	Band 5	10M	881.5	2525		24.95	25.10	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2680	3350	4x4MIMO	Band 5	10M	881.5	2525		25.12	25.26	
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2680	3350	4x4MIMO	Band 5	10M	881.5	2525		24.28	24.50	
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.87	24.99	
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.95	24.12	
CA_5A-7A-66A	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525		25.12	25.24	
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 66	20M	2155	68886	4x4MIMO	25.03	25.17		
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525		24.88	24.96	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 66	20M	2155	68886	4x4MIMO	25.02	25.10		
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525		24.64	24.73	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 66	20M	2155	68886	4x4MIMO	25.11	25.26		
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525		23.62	23.75	
CA_7A-66A-66A	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 66	20M	2155	68886	4x4MIMO	24.33	24.50		
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	25.11	25.24	
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	25.09	25.17	
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.80	24.96	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	24.98	25.10	
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.61	24.73	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	25.12	25.26	
CA_12A-66A-66A	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100				



4CA DL

4CA List	PCC								SCC1				SCC2				SCC3				Power					
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_41E	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	24.94	25.10
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	25.04	25.23
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	25.15	25.23
	Band 41	Ant6	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	24.42	24.56



Conducted Full Power for 5G NR for Main PA

n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.02	25.16	24.97	25.7	0.0
20	PI/2 BPSK	1	53	24.97	25.11	25.07		
20	PI/2 BPSK	1	104	24.73	24.95	24.82		
20	PI/2 BPSK	50	0	24.68	24.74	24.63	25.2	0.5
20	PI/2 BPSK	50	28	24.81	24.96	24.94	25.7	0.0
20	PI/2 BPSK	50	56	24.23	24.38	24.39	25.2	0.5
20	PI/2 BPSK	100	0	24.44	24.47	24.45		
20	QPSK	1	1	25.09	25.25	25.10		
20	QPSK	1	53	25.02	25.04	25.05	25.7	0.0
20	QPSK	1	104	24.90	24.88	24.83		
20	QPSK	50	0	24.29	24.33	24.22		
20	QPSK	50	28	25.07	25.10	25.02	24.7	1.0
20	QPSK	50	56	23.77	23.92	23.94	24.7	1.0
20	QPSK	100	0	23.81	24.01	23.92	24.7	1.0
20	16QAM	1	1	24.13	24.16	24.13	24.7	1.0
20	64QAM	1	1	22.26	22.43	22.22	23.2	2.5
20	256QAM	1	1	20.55	20.73	20.59	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.7	0.0
15	QPSK	1	1	24.88	25.16	24.99	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.7	0.0
10	QPSK	1	1	25.10	25.23	24.90	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.7	0.0
5	QPSK	1	1	25.03	25.18	24.95	25.7	0.0

n71 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	25.01	25.10	24.88	25.7	0.0
20	PI/2 BPSK	1	53	25.05	25.07	24.93		
20	PI/2 BPSK	1	104	24.68	24.88	24.86		
20	PI/2 BPSK	50	0	24.63	24.61	24.55	25.2	0.5
20	PI/2 BPSK	50	28	25.11	25.10	25.01	25.7	0.0
20	PI/2 BPSK	50	56	24.38	24.52	24.37	25.2	0.5
20	PI/2 BPSK	100	0	24.56	24.63	24.49		
20	QPSK	1	1	25.05	25.22	25.06		
20	QPSK	1	53	25.05	25.15	25.06	25.7	0.0
20	QPSK	1	104	25.03	25.05	24.95		
20	QPSK	50	0	24.09	24.09	24.07		
20	QPSK	50	28	24.98	25.07	25.02	24.7	1.0
20	QPSK	50	56	23.98	24.02	23.86	24.7	1.0
20	QPSK	100	0	24.00	24.05	23.91	24.7	1.0
20	16QAM	1	1	24.06	24.19	24.08	24.7	1.0
20	64QAM	1	1	22.58	22.57	22.58	23.2	2.5
20	256QAM	1	1	20.40	20.58	20.49	21.2	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5	25.7	0.0
15	QPSK	1	1	24.95	25.18	25.04	25.7	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693	25.7	0.0
10	QPSK	1	1	25.06	25.17	25.03	25.7	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5	25.7	0.0
5	QPSK	1	1	24.85	25.09	24.89	25.7	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)				834	836.5	839			
20	PI/2 BPSK	1	1	24.61	24.79	24.70			
20	PI/2 BPSK	1	53	24.71	24.71	24.59	25.5	0.0	
20	PI/2 BPSK	1	104	24.54	24.62	24.59			
20	PI/2 BPSK	50	0	24.05	24.18	24.11	25.0	0.5	
20	PI/2 BPSK	50	28	24.61	24.75	24.74	25.5	0.0	
20	PI/2 BPSK	50	56	24.14	24.15	24.16	25.0	0.5	
20	PI/2 BPSK	100	0	24.23	24.25	24.24			
20	QPSK	1	1	24.72	24.80	24.64			
20	QPSK	1	53	24.61	24.59	24.46	25.5	0.0	
20	QPSK	1	104	24.50	24.57	24.47			
20	QPSK	50	0	23.47	23.65	23.43	24.5	1.0	
20	QPSK	50	28	24.61	24.77	24.70	25.5	0.0	
20	QPSK	50	56	23.41	23.62	23.59	24.5	1.0	
20	QPSK	100	0	23.66	23.76	23.55			
20	16QAM	1	1	23.73	23.74	23.72	24.5	1.0	
20	64QAM	1	1	21.86	22.05	21.98	23.0	2.5	
20	256QAM	1	1	20.16	20.36	20.16	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.67	24.64	24.65	25.5	0.0	
Channel				165900	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.57	24.71	24.58	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	24.57	24.58	24.62	25.5	0.0	

n71 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				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.42	24.46	24.42			
20	PI/2 BPSK	1	53	24.46	24.52	24.42	25.4	0.0	
20	PI/2 BPSK	1	104	24.17	24.37	24.29			
20	PI/2 BPSK	50	0	23.62	24.00	23.95	24.9	0.5	
20	PI/2 BPSK	50	28	24.53	24.51	24.52	25.4	0.0	
20	PI/2 BPSK	50	56	23.79	23.91	23.82	24.9	0.5	
20	PI/2 BPSK	100	0	23.86	23.98	23.79			
20	QPSK	1	1	24.48	24.60	24.44			
20	QPSK	1	53	24.46	24.51	24.48	25.4	0.0	
20	QPSK	1	104	24.36	24.42	24.26			
20	QPSK	50	0	23.35	23.48	23.43	24.4	1.0	
20	QPSK	50	28	24.45	24.53	24.38	25.4	0.0	
20	QPSK	50	56	23.29	23.48	23.45	24.4	1.0	
20	QPSK	100	0	23.33	23.49	23.42			
20	16QAM	1	1	23.07	23.05	23.00	24.4	1.0	
20	64QAM	1	1	22.23	22.22	22.02	22.9	2.5	
20	256QAM	1	1	20.00	20.17	19.98	20.9	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	24.40	24.45	24.35	25.4	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666	680.5	693			
10	QPSK	1	1	24.47	24.59	24.27	25.4	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	24.48	24.57	24.32	25.4	0.0	



PC3 Part270 n77 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				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	23.72	23.83	23.84	25.5	0.0	
100	PI/2 BPSK	1	137	23.80	23.86	23.87			
100	PI/2 BPSK	1	271	23.73	23.79	23.82			
100	PI/2 BPSK	135	0	23.78	23.85	23.81			
100	PI/2 BPSK	135	69	23.75	23.84	23.87			
100	PI/2 BPSK	135	138	23.87	23.78	23.87			
100	PI/2 BPSK	270	0	23.63	23.74	23.63			
100	QPSK	1	1	23.70	23.60	23.85			
100	QPSK	1	137	23.83	23.81	23.78			
100	QPSK	1	271	23.77	23.77	23.81			
100	QPSK	135	0	23.86	23.79	23.87	25.5	0.0	
100	QPSK	135	69	23.68	23.76	23.65	25.5	0.0	
100	QPSK	135	138	23.70	23.70	23.62	25.5	0.0	
100	QPSK	270	0	23.69	23.73	23.61	25.5	0.0	
100	16QAM	1	1	23.83	23.73	23.78	25.5	0.0	
100	64QAM	1	1	23.32	23.34	23.26	25.0	0.5	
100	256QAM	1	1	21.51	21.60	21.53	23.0	2.5	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	25.5	0.0	
90	QPSK	1	1	23.65	23.84	23.65	25.5	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	25.5	0.0	
80	QPSK	1	1	23.71	23.70	23.87	25.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	25.5	0.0	
70	QPSK	1	1	23.83	23.86	23.84	25.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	25.5	0.0	
60	QPSK	1	1	23.80	23.82	23.88	25.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	25.5	0.0	
50	QPSK	1	1	23.70	23.87	23.77	25.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	25.5	0.0	
40	QPSK	1	1	23.74	23.82	23.77	25.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	25.5	0.0	
30	QPSK	1	1	23.75	23.85	23.78	25.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	25.5	0.0	
20	QPSK	1	1	23.86	23.84	23.83	25.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.82	3840	3972.51	25.5	0.0	
15	QPSK	1	1	23.86	23.78	23.75	25.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	25.5	0.0	
10	QPSK	1	1	23.85	23.78	23.76	25.5	0.0	

PC2 Part270 n77 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				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.71	25.80	25.84	27.5	0.0	
100	PI/2 BPSK	1	137	25.97	26.06	25.94			
100	PI/2 BPSK	1	271	25.89	25.88	25.97			
100	PI/2 BPSK	135	0	26.06	25.95	25.89			
100	PI/2 BPSK	135	69	25.95	25.88	25.95			
100	PI/2 BPSK	135	138	25.93	25.89	25.99			
100	PI/2 BPSK	270	0	25.69	25.78	25.80			
100	QPSK	1	1	25.91	26.10	25.87			
100	QPSK	1	137	25.97	26.02	25.97			
100	QPSK	1	271	25.75	25.87	25.82			
100	QPSK	135	0	26.06	25.97	25.94	27.5	0.0	
100	QPSK	135	69	25.90	25.95	25.93	27.5	0.0	
100	QPSK	135	138	25.81	25.88	25.84	27.5	0.0	
100	QPSK	270	0	25.79	25.89	25.78	27.5	0.0	
100	16QAM	1	1	25.71	25.69	25.77	27.5	0.0	
100	64QAM	1	1	24.37	24.37	24.36	26.0	1.5	
100	256QAM	1	1	22.28	22.36	22.31	24.0	3.5	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	27.5	0.0	
90	QPSK	1	1	23.01	25.84	25.90	27.5	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	27.5	0.0	
80	QPSK	1	1	25.93	26.00	25.98	27.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	27.5	0.0	
70	QPSK	1	1	25.88	26.03	25.78	27.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	27.5	0.0	
60	QPSK	1	1	25.85	26.02	25.88	27.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	27.5	0.0	
50	QPSK	1	1	25.85	25.85	25.77	27.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	27.5	0.0	
40	QPSK	1	1	26.01	25.90	25.80	27.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	27.5	0.0	
30	QPSK	1	1	25.92	25.88	25.83	27.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	27.5	0.0	
20	QPSK	1	1	25.98	26.01	25.88	27.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	27.5	0.0	
15	QPSK	1	1	26.00	25.96	25.96	27.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	27.5	0.0	
10	QPSK	1	1	25.94	26.00	25.77	27.5	0.0	



PC3 Part27Q n77 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				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	24.25	24.25	24.25	25.5	0.0	
100	PI/2 BPSK	1	137	24.19	24.19	24.19	25.5	0.0	
100	PI/2 BPSK	1	271	24.18	24.18	24.18	25.5	0.0	
100	PI/2 BPSK	135	0	24.24	24.24	24.24	25.5	0.0	
100	PI/2 BPSK	135	69	24.23	24.23	24.23	25.5	0.0	
100	PI/2 BPSK	135	138	24.19	24.19	24.19	25.5	0.0	
100	PI/2 BPSK	270	0	24.25	24.25	24.25	25.5	0.0	
100	QPSK	1	1	24.40	24.40	24.40	25.5	0.0	
100	QPSK	1	137	24.21	24.21	24.21	25.5	0.0	
100	QPSK	1	271	24.23	24.23	24.23	25.5	0.0	
100	QPSK	135	0	24.36	24.36	24.36	25.5	0.0	
100	QPSK	135	69	24.27	24.27	24.27	25.5	0.0	
100	QPSK	135	138	24.25	24.25	24.25	25.5	0.0	
100	QPSK	270	0	24.30	24.30	24.30	25.5	0.0	
100	16QAM	1	1	24.28	24.28	24.28	25.5	0.0	
100	64QAM	1	1	23.92	23.92	23.92	25.0	0.5	
100	256QAM	1	1	21.89	21.89	21.89	23.0	2.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	24.35	24.35	24.30	25.5	0.0	
Channel				632688	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	24.10	24.37	24.32	25.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	24.25	24.18	24.18	25.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	24.34	24.31	24.24	25.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	24.35	24.10	24.17	25.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	24.20	24.25	24.30	25.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	24.21	24.10	24.30	25.5	0.0	
Channel				630688	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	24.33	24.39	24.29	25.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	24.25	24.27	24.38	25.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	24.27	24.37	24.24	25.5	0.0	

PC2 Part27Q n77 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				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	26.43	26.43	26.43	27.5	0.0	
100	PI/2 BPSK	1	137	26.32	26.32	26.32	27.5	0.0	
100	PI/2 BPSK	1	271	26.31	26.31	26.31	27.5	0.0	
100	PI/2 BPSK	135	0	26.33	26.33	26.33	27.5	0.0	
100	PI/2 BPSK	135	69	26.38	26.38	26.38	27.5	0.0	
100	PI/2 BPSK	135	138	26.21	26.21	26.21	27.5	0.0	
100	PI/2 BPSK	270	0	26.42	26.42	26.42	27.5	0.0	
100	QPSK	1	1	26.50	26.50	26.50	27.5	0.0	
100	QPSK	1	137	26.28	26.28	26.28	27.5	0.0	
100	QPSK	1	271	26.30	26.30	26.30	27.5	0.0	
100	QPSK	135	0	26.43	26.43	26.43	27.5	0.0	
100	QPSK	135	69	26.33	26.33	26.33	27.5	0.0	
100	QPSK	135	138	26.21	26.21	26.21	27.5	0.0	
100	QPSK	270	0	26.29	26.29	26.29	27.5	0.0	
100	16QAM	1	1	26.16	26.16	26.16	27.5	0.0	
100	64QAM	1	1	25.06	25.06	25.06	26.0	1.5	
100	256QAM	1	1	22.98	22.98	22.98	24.0	3.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	26.28	26.32	26.48	27.5	0.0	
Channel				632688	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	26.30	26.35	26.39	27.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	26.35	26.37	26.48	27.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	26.39	26.28	26.31	27.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	26.38	26.30	26.44	27.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	26.39	26.35	26.41	27.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	26.32	26.41	26.37	27.5	0.0	
Channel				630688	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	26.34	26.49	26.35	27.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	26.31	26.35	26.29	27.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	26.47	26.40	26.49	27.5	0.0	





PC3 Part270 n78 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				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI/2 BPSK	1	1	23.71			25.5	0.0		
100	PI/2 BPSK	1	137	23.72						
100	PI/2 BPSK	1	271	23.82						
100	PI/2 BPSK	135	0	23.69			25.5	0.0		
100	PI/2 BPSK	135	69	23.74			25.5	0.0		
100	PI/2 BPSK	135	138	23.67			25.5	0.0		
100	PI/2 BPSK	270	0	23.68						
100	QPSK	1	1	23.85			25.5	0.0		
100	QPSK	1	137	23.78						
100	QPSK	1	271	23.72						
100	QPSK	135	0	23.76			25.5	0.0		
100	QPSK	135	69	23.75			25.5	0.0		
100	QPSK	135	138	23.65			25.5	0.0		
100	QPSK	270	0	23.69						
100	16QAM	1	1	23.58			25.5	0.0		
100	64QAM	1	1	23.46			25.0	0.5		
100	256QAM	1	1	21.32			23.0	2.5		
Channel				649668	650000	650334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1	23.80	23.82	23.74	25.5	0.0		
Channel				649334	650000	650668	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)		
80	QPSK	1	1	23.60	23.65	23.83	25.5	0.0		
Channel				649000	650000	651000	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1	23.77	23.63	23.89	25.5	0.0		
Channel				648668	650000	651334	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1	23.71	23.70	23.79	25.5	0.0		
Channel				648334	650000	651668	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1	23.75	23.78	23.85	25.5	0.0		
Channel				648000	650000	652000	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1	23.77	23.63	23.74	25.5	0.0		
Channel				647668	650000	652334	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1	23.60	23.67	23.85	25.5	0.0		
Channel				647334	650000	652668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1	23.63	23.69	23.79	25.5	0.0		
Channel				647168	650000	652834	Tune-up limit	MPR		
Frequency (MHz)				3707.82	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1	23.71	23.67	23.84	25.5	0.0		
Channel				647000	650000	653000	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1	23.80	23.63	23.75	25.5	0.0		

PC2 Part270 n78 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				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI/2 BPSK	1	1	25.81			27.5	0.0		
100	PI/2 BPSK	1	137	25.88						
100	PI/2 BPSK	1	271	25.76						
100	PI/2 BPSK	135	0	25.59			27.5	0.0		
100	PI/2 BPSK	135	69	25.71			27.5	0.0		
100	PI/2 BPSK	135	138	25.72			27.5	0.0		
100	PI/2 BPSK	270	0	25.73						
100	QPSK	1	1	25.90			27.5	0.0		
100	QPSK	1	137	25.82						
100	QPSK	1	271	25.76						
100	QPSK	135	0	25.67			27.5	0.0		
100	QPSK	135	69	25.69			27.5	0.0		
100	QPSK	135	138	25.60			27.5	0.0		
100	QPSK	270	0	25.55						
100	16QAM	1	1	25.58			27.5	0.0		
100	64QAM	1	1	24.53			26.0	1.5		
100	256QAM	1	1	22.35			24.0	3.5		
Channel				649668	650000	650334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1	25.72	25.93	25.92	27.5	0.0		
Channel				649334	650000	650668	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)		
80	QPSK	1	1	25.69	25.97	25.89	27.5	0.0		
Channel				649000	650000	651000	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1	25.77	25.98	25.72	27.5	0.0		
Channel				648668	650000	651334	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1	25.72	25.90	25.87	27.5	0.0		
Channel				648334	650000	651668	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1	25.67	25.98	25.87	27.5	0.0		
Channel				648000	650000	652000	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1	25.77	25.72	25.77	27.5	0.0		
Channel				647668	650000	652334	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1	25.84	25.70	25.89	27.5	0.0		
Channel				647334	650000	652668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1	25.77	25.81	25.76	27.5	0.0		
Channel				647168	650000	652834	Tune-up limit	MPR		
Frequency (MHz)				3707.82	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1	25.78	25.99	25.76	27.5	0.0		
Channel				647000	650000	653000	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1	25.72	25.77	25.76	27.5	0.0		



PC3 Part27Q n78 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				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	24.26	24.26		25.5	0.0	
100	PI/2 BPSK	1	137	24.24	24.24				
100	PI/2 BPSK	1	271	24.15	24.15				
100	PI/2 BPSK	135	0	24.15	24.15		25.5	0.0	
100	PI/2 BPSK	135	69	24.12	24.12		25.5	0.0	
100	PI/2 BPSK	135	138	24.01	24.01		25.5	0.0	
100	PI/2 BPSK	270	0	24.05	24.05				
100	QPSK	1	1	24.30	24.30		25.5	0.0	
100	QPSK	1	137	24.15	24.15				
100	QPSK	1	271	24.07	24.07				
100	QPSK	135	0	24.21	24.21		25.5	0.0	
100	QPSK	135	69	24.15	24.15		25.5	0.0	
100	QPSK	135	138	24.07	24.07		25.5	0.0	
100	QPSK	270	0	24.11	24.11				
100	16QAM	1	1	24.02	24.02		25.5	0.0	
100	64QAM	1	1	23.81	23.81		25.0	0.5	
100	256QAM	1	1	21.69	21.69		23.0	2.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	24.20	24.20	24.21	25.5	0.0	
Channel				632688	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	24.25	24.22	24.10	25.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	24.24	24.22	24.20	25.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	24.17	24.11	24.11	25.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	24.11	24.10	24.09	25.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	24.17	24.22	24.24	25.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	24.17	24.10	24.25	25.5	0.0	
Channel				630688	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	24.10	24.08	24.27	25.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	24.20	24.19	24.13	25.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	24.08	24.17	24.15	25.5	0.0	

PC2 Part27Q n78 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				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	26.22	26.22		27.5	0.0	
100	PI/2 BPSK	1	137	26.11	26.11				
100	PI/2 BPSK	1	271	26.06	26.06				
100	PI/2 BPSK	135	0	26.25	26.25		27.5	0.0	
100	PI/2 BPSK	135	69	26.30	26.30		27.5	0.0	
100	PI/2 BPSK	135	138	26.13	26.13		27.5	0.0	
100	PI/2 BPSK	270	0	26.18	26.18				
100	QPSK	1	1	26.33	26.33		27.5	0.0	
100	QPSK	1	137	26.13	26.13				
100	QPSK	1	271	26.02	26.02				
100	QPSK	135	0	26.22	26.22		27.5	0.0	
100	QPSK	135	69	26.31	26.31		27.5	0.0	
100	QPSK	135	138	26.18	26.18		27.5	0.0	
100	QPSK	270	0	26.20	26.20				
100	16QAM	1	1	26.27	26.27		27.5	0.0	
100	64QAM	1	1	24.87	24.87		26.0	1.5	
100	256QAM	1	1	22.98	22.98		24.0	3.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	26.22	26.23	26.21	27.5	0.0	
Channel				632688	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	26.08	26.11	26.22	27.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	26.14	26.09	26.10	27.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	26.15	26.13	26.20	27.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	26.27	26.10	26.17	27.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	26.30	26.21	26.23	27.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	26.26	26.18	26.24	27.5	0.0	
Channel				630688	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	26.27	26.30	26.09	27.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	26.23	26.16	26.14	27.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	26.31	26.25	26.24	27.5	0.0	



n7 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	25.04	25.05	24.96			
40	PI/2 BPSK	1	108	25.01	25.13	25.01	25.7	0.0	
40	PI/2 BPSK	1	214	25.04	25.03	25.12			
40	PI/2 BPSK	108	0	24.59	24.53	24.53	25.2	0.5	
40	PI/2 BPSK	108	54	25.10	25.18	25.10	25.7	0.0	
40	PI/2 BPSK	108	108	24.65	24.65	24.58			
40	PI/2 BPSK	216	0	24.47	24.43	24.35	25.2	0.5	
40	QPSK	1	1	25.13	25.20	25.09			
40	QPSK	1	108	24.84	24.93	24.84	25.7	0.0	
40	QPSK	1	214	25.06	24.96	24.93			
40	QPSK	108	0	24.30	24.26	24.26	24.7	1.0	
40	QPSK	108	54	25.10	25.16	25.12	25.7	0.0	
40	QPSK	108	108	24.03	24.14	24.03			
40	QPSK	216	0	24.23	24.25	24.19	24.7	1.0	
40	16QAM	1	1	23.77	23.82	23.91	24.7	1.0	
40	64QAM	1	1	22.50	22.48	22.38	23.2	2.5	
40	256QAM	1	1	20.41	20.48	20.53	21.2	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	25.13	25.09	25.15	25.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	25.10	25.18	25.16	25.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	25.02	25.17	25.19	25.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	25.04	25.10	25.15	25.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	25.17	25.14	25.03	25.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	25.10	25.17	25.00	25.7	0.0	

n66 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	25.13	25.04	25.05			
40	PI/2 BPSK	1	108	25.18	25.10	25.09	25.7	0.0	
40	PI/2 BPSK	1	214	25.13	25.17	25.14			
40	PI/2 BPSK	108	0	24.68	24.61	24.68	25.2	0.5	
40	PI/2 BPSK	108	54	25.22	25.16	25.13	25.7	0.0	
40	PI/2 BPSK	108	108	24.62	24.70	24.59			
40	PI/2 BPSK	216	0	24.69	24.74	24.74	25.2	0.5	
40	QPSK	1	1	25.26	25.28	25.18			
40	QPSK	1	108	25.24	25.13	25.06	25.7	0.0	
40	QPSK	1	214	25.21	25.24	25.12			
40	QPSK	108	0	24.04	24.14	24.17	24.7	1.0	
40	QPSK	108	54	25.11	25.21	25.18	25.7	0.0	
40	QPSK	108	108	24.17	24.26	24.20			
40	QPSK	216	0	24.18	24.33	24.30	24.7	1.0	
40	16QAM	1	1	23.96	23.93	23.84	24.7	1.0	
40	64QAM	1	1	22.81	22.73	22.78	23.2	2.5	
40	256QAM	1	1	20.54	20.66	20.55	21.2	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	25.24	25.20	25.26	25.7	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	25.24	25.20	25.14	25.7	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	25.24	25.25	25.19	25.7	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	25.16	25.19	25.17	25.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	25.18	25.17	25.05	25.7	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	25.16	25.24	25.15	25.7	0.0	



n38 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	25.13	25.21	25.10			
40	PI/2 BPSK	1	53	24.89	25.06	25.02	25.7	0.0	
40	PI/2 BPSK	1	104	24.99	25.13	25.10			
40	PI/2 BPSK	50	0	24.67	24.76	24.68	25.2	0.5	
40	PI/2 BPSK	50	28	25.05	25.17	25.02	25.7	0.0	
40	PI/2 BPSK	50	56	24.62	24.72	24.61			0.5
40	PI/2 BPSK	100	0	24.59	24.76	24.69	25.2		
40	QPSK	1	1	25.14	25.26	25.11			
40	QPSK	1	53	24.77	24.95	24.78	25.7	0.0	
40	QPSK	1	104	24.75	24.92	24.76			
40	QPSK	50	0	23.99	24.16	23.99	24.7	1.0	
40	QPSK	50	28	24.78	24.90	24.78	25.7	0.0	
40	QPSK	50	56	23.71	23.81	23.63			1.0
40	QPSK	100	0	23.74	23.85	23.75	24.7		
40	16QAM	1	1	23.91	24.05	23.92	24.7	1.0	
40	64QAM	1	1	22.91	22.96	22.91	23.2	2.5	
40	256QAM	1	1	20.32	20.40	20.42	21.2	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	25.7	0.0	
30	QPSK	1	1	24.97	25.10	25.04			
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	25.7	0.0	
20	QPSK	1	1	25.05	25.14	24.98			
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	25.7	0.0	
15	QPSK	1	1	25.01	25.15	25.03			
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	25.7	0.0	
10	QPSK	1	1	24.90	25.23	25.08			

n41 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	25.12	25.17	25.23			
100	PI/2 BPSK	1	137	25.23	25.24	25.25	25.7	0.0	
100	PI/2 BPSK	1	271	24.76	24.84	24.84			
100	PI/2 BPSK	135	0	24.74	24.84	24.61	25.2	0.5	
100	PI/2 BPSK	135	69	24.93	25.05	24.97	25.7	0.0	
100	PI/2 BPSK	135	138	24.62	24.75	24.80			0.5
100	PI/2 BPSK	270	0	24.69	24.71	24.70	25.2		
100	QPSK	1	1	25.18	25.30	25.28			
100	QPSK	1	137	25.08	25.05	25.07	25.7	0.0	
100	QPSK	1	271	25.25	25.16	25.08			
100	QPSK	135	0	24.16	24.15	24.21	24.7	1.0	
100	QPSK	135	69	25.17	25.19	25.12	25.7	0.0	
100	QPSK	135	138	23.54	23.53	23.46			1.0
100	QPSK	270	0	23.96	24.10	24.02	24.7		
100	16QAM	1	1	22.79	22.83	22.73	24.7	1.0	
100	64QAM	1	1	21.67	21.69	21.76	23.2	2.5	
100	256QAM	1	1	20.02	20.06	19.95	21.2	4.5	
Channel				509200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	25.7	0.0	
90	QPSK	1	1	25.22	25.23	25.25			
Channel				507204	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	25.7	0.0	
80	QPSK	1	1	25.14	25.29	25.27			
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	25.7	0.0	
70	QPSK	1	1	25.21	25.18	25.17			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	25.7	0.0	
60	QPSK	1	1	25.12	25.26	25.28			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	25.7	0.0	
50	QPSK	1	1	25.14	25.21	25.25			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	25.7	0.0	
40	QPSK	1	1	25.11	25.27	25.11			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	25.7	0.0	
30	QPSK	1	1	25.17	25.27	25.29			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	25.7	0.0	
20	QPSK	1	1	25.25	25.21	25.21			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	25.7	0.0	
15	QPSK	1	1	25.11	25.28	25.26			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	25.7	0.0	
10	QPSK	1	1	25.24	25.25	25.09			



PC3 Part270 n77 Ant3 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	650000	662000			
				3750	3840	3930			
100	PI/2 BPSK	1	1	25.18	25.24	25.20			
100	PI/2 BPSK	1	137	25.12	25.23	25.22	25.7	0.0	
100	PI/2 BPSK	1	271	25.18	25.18	25.13			
100	PI/2 BPSK	135	0	25.19	25.12	25.01	25.7	0.0	
100	PI/2 BPSK	135	69	25.24	25.14	25.16	25.7	0.0	
100	PI/2 BPSK	135	138	25.10	25.19	25.16			
100	PI/2 BPSK	270	0	25.23	25.23	25.18	25.7	0.0	
100	QPSK	1	1	25.15	25.25	25.17			
100	QPSK	1	137	25.21	25.10	25.10	25.7	0.0	
100	QPSK	1	271	25.21	25.16	25.11			
100	QPSK	135	0	25.12	25.19	25.21	25.7	0.0	
100	QPSK	135	69	25.24	25.25	25.18	25.7	0.0	
100	QPSK	135	138	25.08	25.08	25.08			
100	QPSK	270	0	25.08	25.10	25.09	25.7	0.0	
100	16QAM	1	1	25.10	25.01	24.98	25.7	0.0	
100	64QAM	1	1	24.74	24.77	24.63	25.2	0.5	
100	256QAM	1	1	22.28	22.37	22.25	23.2	2.5	
Channel									
Frequency (MHz)									
				649668	650000	662334			
				3745.02	3840	3935.01			
90	QPSK	1	1	25.25	25.10	25.22	25.7	0.0	
Channel									
Frequency (MHz)									
				649334	650000	662668			
				3740.01	3840	3940.02			
80	QPSK	1	1	25.14	25.03	25.24	25.7	0.0	
Channel									
Frequency (MHz)									
				649000	650000	663000			
				3735	3840	3945			
70	QPSK	1	1	25.04	25.10	25.25	25.7	0.0	
Channel									
Frequency (MHz)									
				648668	650000	663334			
				3730.02	3840	3950.01			
60	QPSK	1	1	25.10	25.14	25.15	25.7	0.0	
Channel									
Frequency (MHz)									
				648334	650000	663668			
				3725.01	3840	3955.02			
50	QPSK	1	1	25.00	25.25	25.23	25.7	0.0	
Channel									
Frequency (MHz)									
				648000	650000	664000			
				3720	3840	3960			
40	QPSK	1	1	25.14	25.15	25.07	25.7	0.0	
Channel									
Frequency (MHz)									
				647668	650000	664334			
				3715.02	3840	3965.01			
30	QPSK	1	1	25.21	25.25	25.18	25.7	0.0	
Channel									
Frequency (MHz)									
				647334	650000	664668			
				3710.01	3840	3970.02			
20	QPSK	1	1	25.03	25.19	25.06	25.7	0.0	
Channel									
Frequency (MHz)									
				647168	650000	664834			
				3707.52	3840	3972.51			
15	QPSK	1	1	25.15	25.15	25.07	25.7	0.0	
Channel									
Frequency (MHz)									
				647000	650000	665000			
				3705	3840	3975			
10	QPSK	1	1	25.21	25.03	25.13	25.7	0.0	

PC2 Part270 n77 Ant3 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	650000	662000			
				3750	3840	3930			
100	PI/2 BPSK	1	1	26.16	26.28	26.09			
100	PI/2 BPSK	1	137	26.16	26.23	26.19	27.0	0.0	
100	PI/2 BPSK	1	271	26.03	26.17	25.96			
100	PI/2 BPSK	135	0	26.05	26.13	26.10	27.0	0.0	
100	PI/2 BPSK	135	69	26.12	26.30	26.29	27.0	0.0	
100	PI/2 BPSK	135	138	26.06	26.10	26.06			
100	PI/2 BPSK	270	0	26.20	26.24	26.12	27.0	0.0	
100	QPSK	1	1	26.15	26.32	26.28			
100	QPSK	1	137	26.06	26.25	26.14	27.0	0.0	
100	QPSK	1	271	26.14	26.18	25.99			
100	QPSK	135	0	26.09	26.07	26.05	27.0	0.0	
100	QPSK	135	69	26.00	26.16	26.07	27.0	0.0	
100	QPSK	135	138	26.05	26.09	26.00			
100	QPSK	270	0	26.03	26.13	25.98	27.0	0.0	
100	16QAM	1	1	26.17	26.29	26.07	27.0	0.0	
100	64QAM	1	1	24.73	24.79	24.63	25.5	1.5	
100	256QAM	1	1	22.51	22.66	22.48	23.5	3.5	
Channel									
Frequency (MHz)									
				649668	650000	662334			
				3745.02	3840	3935.01			
90	QPSK	1	1	26.21	26.23	26.15	27.0	0.0	
Channel									
Frequency (MHz)									
				649334	650000	662668			
				3740.01	3840	3940.02			
80	QPSK	1	1	26.28	26.21	26.15	27.0	0.0	
Channel									
Frequency (MHz)									
				649000	650000	663000			
				3735	3840	3945			
70	QPSK	1	1	26.21	26.29	26.25	27.0	0.0	
Channel									
Frequency (MHz)									
				648668	650000	663334			
				3730.02	3840	3950.01			
60	QPSK	1	1	26.25	26.19	26.21	27.0	0.0	
Channel									
Frequency (MHz)									
				648334	650000	663668			
				3725.01	3840	3955.02			
50	QPSK	1	1	26.27	26.18	26.19	27.0	0.0	
Channel									
Frequency (MHz)									
				648000	650000	664000			
				3720	3840	3960			
40	QPSK	1	1	26.23	26.16	26.16	27.0	0.0	
Channel									
Frequency (MHz)									
				647668	650000	664334			
				3715.02	3840	3965.01			
30	QPSK	1	1	26.35	26.22	26.25	27.0	0.0	
Channel									
Frequency (MHz)									
				647334	650000	664668			
				3710.01	3840	3970.02			
20	QPSK	1	1	26.19	26.26	26.28	27.0	0.0	
Channel									
Frequency (MHz)									
				647168	650000	664834			
				3707.52	3840	3972.51			
15	QPSK	1	1	26.24	26.20	26.21	27.0	0.0	
Channel									
Frequency (MHz)									
				647000	650000	665000			
				3705	3840	3975			
10	QPSK	1	1	26.25	26.23	26.15	27.0	0.0	



PC3 Part27Q n77 Ant3 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	25.27	25.27	25.27	25.7	0.0	
100	PI/2 BPSK	1	137	25.21	25.21	25.21			
100	PI/2 BPSK	1	271	25.23	25.23	25.23			
100	PI/2 BPSK	135	0	25.26	25.26	25.26			
100	PI/2 BPSK	135	69	25.20	25.20	25.20			
100	PI/2 BPSK	135	138	25.09	25.09	25.09			
100	PI/2 BPSK	270	0	25.17	25.17	25.17			
100	QPSK	1	1	25.31	25.31	25.31			
100	QPSK	1	137	25.26	25.26	25.26			
100	QPSK	1	271	25.18	25.18	25.18			
100	QPSK	135	0	25.29	25.29	25.29	25.7	0.0	
100	QPSK	135	69	25.23	25.23	25.23	25.7	0.0	
100	QPSK	135	138	25.12	25.12	25.12	25.7	0.0	
100	QPSK	270	0	25.15	25.15	25.15	25.7	0.0	
100	16QAM	1	1	25.25	25.25	25.25	25.7	0.0	
100	64QAM	1	1	24.89	24.89	24.89	25.2	0.5	
100	256QAM	1	1	22.38	22.38	22.38	23.2	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	25.7	0.0	
90	QPSK	1	1	25.11	25.10	25.24	25.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	25.7	0.0	
80	QPSK	1	1	25.10	25.09	25.25	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	25.7	0.0	
70	QPSK	1	1	25.12	25.06	25.09	25.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	25.7	0.0	
60	QPSK	1	1	25.02	25.22	25.22	25.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	25.7	0.0	
50	QPSK	1	1	25.25	25.10	25.17	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	25.7	0.0	
40	QPSK	1	1	25.13	25.02	25.19	25.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	25.7	0.0	
30	QPSK	1	1	25.22	25.08	25.11	25.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	25.7	0.0	
20	QPSK	1	1	25.15	25.10	25.07	25.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	25.7	0.0	
15	QPSK	1	1	25.21	25.05	25.07	25.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	25.7	0.0	
10	QPSK	1	1	25.12	25.14	25.19	25.7	0.0	

PC2 Part27Q n77 Ant3 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	26.20	26.20	26.20	27.0	0.0	
100	PI/2 BPSK	1	137	26.19	26.19	26.19			
100	PI/2 BPSK	1	271	26.18	26.18	26.18			
100	PI/2 BPSK	135	0	26.05	26.05	26.05			
100	PI/2 BPSK	135	69	26.21	26.21	26.21			
100	PI/2 BPSK	135	138	26.09	26.09	26.09			
100	PI/2 BPSK	270	0	26.23	26.23	26.23			
100	QPSK	1	1	26.26	26.26	26.26			
100	QPSK	1	137	26.22	26.22	26.22			
100	QPSK	1	271	26.13	26.13	26.13			
100	QPSK	135	0	26.06	26.06	26.06	27.0	0.0	
100	QPSK	135	69	26.14	26.14	26.14	27.0	0.0	
100	QPSK	135	138	26.07	26.07	26.07	27.0	0.0	
100	QPSK	270	0	26.10	26.10	26.10	27.0	0.0	
100	16QAM	1	1	26.22	26.22	26.22	27.0	0.0	
100	64QAM	1	1	24.74	24.74	24.74	25.5	1.5	
100	256QAM	1	1	22.64	22.64	22.64	23.5	3.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	27.0	0.0	
90	QPSK	1	1	26.11	26.09	26.13	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	26.23	26.18	26.14	27.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	27.0	0.0	
70	QPSK	1	1	26.11	26.14	26.09	27.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	27.0	0.0	
60	QPSK	1	1	26.18	26.20	26.22	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	26.14	26.23	26.18	27.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	27.0	0.0	
40	QPSK	1	1	26.22	26.18	26.22	27.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	27.0	0.0	
30	QPSK	1	1	26.10	26.22	26.17	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	26.17	26.17	26.15	27.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	27.0	0.0	
15	QPSK	1	1	26.13	26.15	26.12	27.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	27.0	0.0	
10	QPSK	1	1	26.15	26.18	26.19	27.0	0.0	



PC3 Part270 n78 Ant3 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	24.94			25.7	0.0	
100	PI/2 BPSK	1	137	25.20					
100	PI/2 BPSK	1	271	25.23					
100	PI/2 BPSK	135	0	25.03			25.7	0.0	
100	PI/2 BPSK	135	69	25.07			25.7	0.0	
100	PI/2 BPSK	135	138	25.08					
100	PI/2 BPSK	270	0	25.03			25.7	0.0	
100	QPSK	1	1	25.25					
100	QPSK	1	137	25.18			25.7	0.0	
100	QPSK	1	271	25.13					
100	QPSK	135	0	25.08			25.7	0.0	
100	QPSK	135	69	25.15			25.7	0.0	
100	QPSK	135	138	25.03			25.7	0.0	
100	QPSK	270	0	25.07					
100	16QAM	1	1	25.09			25.7	0.0	
100	64QAM	1	1	24.72			25.2	0.5	
100	256QAM	1	1	22.63			23.2	2.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	25.10	25.18	25.03	25.7	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	25.21	25.19	25.06	25.7	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	25.03	25.16	25.10	25.7	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	25.14	25.12	25.21	25.7	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	25.14	25.07	25.07	25.7	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	25.08	25.22	25.10	25.7	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	25.20	25.22	25.08	25.7	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	25.16	25.23	25.20	25.7	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	25.16	25.15	25.14	25.7	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	25.17	25.04	25.18	25.7	0.0	

PC2 Part270 n78 Ant3 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	26.17			27.0	0.0	
100	PI/2 BPSK	1	137	26.19					
100	PI/2 BPSK	1	271	26.22					
100	PI/2 BPSK	135	0	26.02			27.0	0.0	
100	PI/2 BPSK	135	69	26.03			27.0	0.0	
100	PI/2 BPSK	135	138	26.11			27.0	0.0	
100	PI/2 BPSK	270	0	25.75					
100	QPSK	1	1	26.25					
100	QPSK	1	137	26.13			27.0	0.0	
100	QPSK	1	271	26.04					
100	QPSK	135	0	26.11			27.0	0.0	
100	QPSK	135	69	26.23			27.0	0.0	
100	QPSK	135	138	26.10			27.0	0.0	
100	QPSK	270	0	26.16					
100	16QAM	1	1	26.60			27.0	0.0	
100	64QAM	1	1	24.46			25.5	1.5	
100	256QAM	1	1	22.90			23.5	3.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	26.22	26.21	26.17	27.0	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	26.04	26.24	26.20	27.0	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	26.06	26.11	26.22	27.0	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	26.06	26.08	26.08	27.0	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	26.07	26.08	26.03	27.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	26.17	26.23	26.08	27.0	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	26.24	26.04	26.04	27.0	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	26.19	26.18	26.12	27.0	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	26.19	26.02	26.15	27.0	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	26.11	26.10	26.18	27.0	0.0	



PC3 Part27Q n78 Ant3 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	25.35	25.35	25.35	25.7	0.0	
100	PI/2 BPSK	1	137	25.24	25.24	25.24			
100	PI/2 BPSK	1	271	25.09	25.09	25.09			
100	PI/2 BPSK	135	0	25.43	25.43	25.43			
100	PI/2 BPSK	135	69	25.22	25.22	25.22			
100	PI/2 BPSK	135	138	25.19	25.19	25.19			
100	PI/2 BPSK	270	0	25.23	25.23	25.23			
100	QPSK	1	1	25.45	25.45	25.45			
100	QPSK	1	137	25.23	25.23	25.23			
100	QPSK	1	271	25.13	25.13	25.13			
100	QPSK	135	0	25.27	25.27	25.27	25.7	0.0	
100	QPSK	135	69	25.35	25.35	25.35	25.7	0.0	
100	QPSK	135	138	25.18	25.18	25.18	25.7	0.0	
100	QPSK	270	0	25.26	25.26	25.26	25.7	0.0	
100	16QAM	1	1	25.23	25.23	25.23	25.7	0.0	
100	64QAM	1	1	24.73	24.73	24.73	25.2	0.5	
100	256QAM	1	1	23.04	23.04	23.04	23.2	2.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	25.7	0.0	
90	QPSK	1	1	25.44	25.33	25.33	25.7	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	25.7	0.0	
80	QPSK	1	1	25.30	25.30	25.24	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	25.7	0.0	
70	QPSK	1	1	25.30	25.30	25.40	25.7	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	25.7	0.0	
60	QPSK	1	1	25.30	25.33	25.32	25.7	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	25.7	0.0	
50	QPSK	1	1	25.25	25.41	25.27	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	25.7	0.0	
40	QPSK	1	1	25.35	25.21	25.41	25.7	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	25.7	0.0	
30	QPSK	1	1	25.41	25.39	25.24	25.7	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	25.7	0.0	
20	QPSK	1	1	25.42	25.27	25.28	25.7	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	25.7	0.0	
15	QPSK	1	1	25.25	25.29	25.42	25.7	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	25.7	0.0	
10	QPSK	1	1	25.27	25.28	25.39	25.7	0.0	

PC2 Part27Q n78 Ant3 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	26.31	26.31	26.31	27.0	0.0	
100	PI/2 BPSK	1	137	26.23	26.23	26.23			
100	PI/2 BPSK	1	271	26.12	26.12	26.12			
100	PI/2 BPSK	135	0	26.20	26.20	26.20			
100	PI/2 BPSK	135	69	26.18	26.18	26.18			
100	PI/2 BPSK	135	138	26.17	26.17	26.17			
100	PI/2 BPSK	270	0	26.20	26.20	26.20			
100	QPSK	1	1	26.34	26.34	26.34			
100	QPSK	1	137	26.22	26.22	26.22			
100	QPSK	1	271	26.07	26.07	26.07			
100	QPSK	135	0	26.16	26.16	26.16	27.0	0.0	
100	QPSK	135	69	26.32	26.32	26.32	27.0	0.0	
100	QPSK	135	138	26.17	26.17	26.17	27.0	0.0	
100	QPSK	270	0	26.28	26.28	26.28	27.0	0.0	
100	16QAM	1	1	26.29	26.29	26.29	27.0	0.0	
100	64QAM	1	1	24.73	24.73	24.73	25.5	1.5	
100	256QAM	1	1	22.99	22.99	22.99	23.5	3.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	27.0	0.0	
90	QPSK	1	1	26.17	26.19	26.14	27.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	27.0	0.0	
80	QPSK	1	1	26.12	26.25	26.15	27.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	27.0	0.0	
70	QPSK	1	1	26.28	26.18	26.17	27.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	27.0	0.0	
60	QPSK	1	1	26.29	26.14	26.20	27.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	27.0	0.0	
50	QPSK	1	1	26.22	26.33	26.20	27.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	27.0	0.0	
40	QPSK	1	1	26.25	26.20	26.19	27.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	27.0	0.0	
30	QPSK	1	1	26.32	26.32	26.15	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	1	26.28	26.16	26.23	27.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	27.0	0.0	
15	QPSK	1	1	26.20	26.28	26.23	27.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	27.0	0.0	
10	QPSK	1	1	26.33	26.31	26.15	27.0	0.0	





n7 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	24.93	25.02	24.89	25.7	0.0
40	PI/2 BPSK	1	108	25.28	25.23	25.20		
40	PI/2 BPSK	1	214	25.27	25.26	25.24		
40	PI/2 BPSK	108	0	24.41	24.53	24.56		
40	PI/2 BPSK	108	54	25.13	25.16	25.18	25.7	0.0
40	PI/2 BPSK	108	108	24.67	24.75	24.73	25.2	0.5
40	PI/2 BPSK	216	0	24.69	24.66	24.75		
40	QPSK	1	1	25.27	25.29	25.17	25.7	0.0
40	QPSK	1	108	25.27	25.20	25.24		
40	QPSK	1	214	25.27	25.28	25.17		
40	QPSK	108	0	24.08	24.04	24.14	24.7	1.0
40	QPSK	108	54	25.00	25.07	25.04	25.7	0.0
40	QPSK	108	108	24.04	24.07	24.04	24.7	1.0
40	QPSK	216	0	24.08	24.20	24.15		
40	16QAM	1	1	24.19	24.09	24.11	24.7	1.0
40	64QAM	1	1	22.65	22.69	22.77	23.2	2.5
40	256QAM	1	1	20.70	20.60	20.70	21.2	4.5
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	25.19	25.21	25.19	25.7	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	25.25	25.25	25.21	25.7	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	25.25	25.20	25.19	25.7	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	25.18	25.28	25.18	25.7	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	25.23	25.25	25.20	25.7	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	25.22	25.28	25.27	25.7	0.0

n66 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	25.24	25.28	25.30	25.7	0.0
40	PI/2 BPSK	1	108	25.15	25.18	25.16		
40	PI/2 BPSK	1	214	25.18	25.28	25.21		
40	PI/2 BPSK	108	0	24.74	24.72	24.77		
40	PI/2 BPSK	108	54	25.17	25.19	25.21	25.7	0.0
40	PI/2 BPSK	108	108	24.66	24.77	24.69	25.2	0.5
40	PI/2 BPSK	216	0	24.79	24.72	24.71		
40	QPSK	1	1	25.24	25.32	25.26	25.7	0.0
40	QPSK	1	108	25.22	25.29	25.19		
40	QPSK	1	214	25.30	25.19	25.13		
40	QPSK	108	0	24.11	24.19	24.22	24.7	1.0
40	QPSK	108	54	25.23	25.25	25.22	25.7	0.0
40	QPSK	108	108	24.15	24.21	24.17	24.7	1.0
40	QPSK	216	0	24.12	24.23	24.14		
40	16QAM	1	1	24.36	24.49	24.59	24.7	1.0
40	64QAM	1	1	22.85	22.89	22.85	23.2	2.5
40	256QAM	1	1	20.66	20.69	20.72	21.2	4.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	25.17	25.19	25.14	25.7	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	25.30	25.25	25.20	25.7	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	25.18	25.29	25.26	25.7	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	25.24	25.25	25.27	25.7	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	25.22	25.23	25.15	25.7	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	25.13	25.21	25.15	25.7	0.0



n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.04	25.09	24.96		
40	PI/2 BPSK	1	53	24.84	24.96	24.90	25.7	0.0
40	PI/2 BPSK	1	104	25.01	25.10	25.03		
40	PI/2 BPSK	50	0	24.41	24.53	24.46	25.2	0.5
40	PI/2 BPSK	50	28	24.87	24.94	24.85	25.7	0.0
40	PI/2 BPSK	50	56	24.18	24.36	24.26		
40	PI/2 BPSK	100	0	24.32	24.40	24.24	25.2	0.5
40	QPSK	1	1	25.10	25.12	25.04		
40	QPSK	1	53	24.90	25.08	25.06	25.7	0.0
40	QPSK	1	104	24.38	24.53	24.51		
40	QPSK	50	0	24.19	24.27	24.20	24.7	1.0
40	QPSK	50	28	24.94	25.09	25.04	25.7	0.0
40	QPSK	50	56	23.29	23.34	23.26		
40	QPSK	100	0	23.26	23.41	23.39	24.7	1.0
40	16QAM	1	1	24.15	24.19	24.07	24.7	1.0
40	64QAM	1	1	22.53	22.58	22.46	23.2	2.5
40	256QAM	1	1	20.19	20.23	20.20	21.2	4.5
Channel				517092	519000	520996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.96	25.08	24.93	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.97	25.04	24.97	25.7	0.0
Channel				515592	519000	522496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	24.93	24.98	24.92	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	24.95	25.09	25.00	25.7	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.18	25.16	25.19		
100	PI/2 BPSK	1	137	25.20	25.18	25.21	25.7	0.0
100	PI/2 BPSK	1	271	25.07	25.11	25.12		
100	PI/2 BPSK	135	0	24.77	24.73	24.67	25.2	0.5
100	PI/2 BPSK	135	69	24.67	24.77	24.67	25.7	0.0
100	PI/2 BPSK	135	138	24.30	24.40	24.33		
100	PI/2 BPSK	270	0	24.48	24.43	24.53	25.2	0.5
100	QPSK	1	1	25.31	25.33	25.15		
100	QPSK	1	137	24.63	24.68	24.69	25.7	0.0
100	QPSK	1	271	24.61	24.55	24.58		
100	QPSK	135	0	23.50	23.51	23.43	24.7	1.0
100	QPSK	135	69	24.24	24.26	24.21	25.7	0.0
100	QPSK	135	138	23.22	23.12	23.23		
100	QPSK	270	0	23.11	23.21	23.17	24.7	1.0
100	16QAM	1	1	23.26	23.29	23.40	24.7	1.0
100	64QAM	1	1	22.27	22.21	22.19	23.2	2.5
100	256QAM	1	1	20.18	20.06	20.01	21.2	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.31	25.30	24.95	25.7	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.23	25.28	25.02	25.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.16	25.25	25.04	25.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.28	25.18	24.95	25.7	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.28	25.31	24.99	25.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.30	25.16	25.04	25.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.22	25.30	24.98	25.7	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.31	25.28	25.11	25.7	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.25	25.13	25.03	25.7	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	25.31	25.26	25.07	25.7	0.0



n7 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	25.03	25.05	25.13	25.7	0.0	
40	PI/2 BPSK	1	108	25.11	25.10	25.07			
40	PI/2 BPSK	1	214	25.16	25.11	25.12			
40	PI/2 BPSK	1	320	25.21	25.16	25.17			
40	PI/2 BPSK	108	0	24.57	24.58	24.52	25.2	0.5	
40	PI/2 BPSK	108	54	24.53	24.54	24.54	25.7	0.0	
40	PI/2 BPSK	108	108	24.71	24.69	24.62	25.2	0.5	
40	PI/2 BPSK	108	162	24.52	24.45	24.39			
40	QPSK	1	1	25.21	25.22	25.18	25.7	0.0	
40	QPSK	1	108	25.08	25.16	25.07			
40	QPSK	1	214	24.84	24.82	24.89			
40	QPSK	1	320	23.72	23.82	23.91			
40	QPSK	108	0	23.72	23.82	23.91	24.7	1.0	
40	QPSK	108	54	25.07	25.21	25.15	25.7	0.0	
40	QPSK	108	108	24.07	24.14	24.13	24.7	1.0	
40	QPSK	108	162	24.26	24.28	24.24			
40	16QAM	1	1	24.02	24.08	24.05	24.7	1.0	
40	64QAM	1	1	22.38	22.46	22.40	23.2	2.5	
40	256QAM	1	1	20.40	20.42	20.30	21.2	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	25.7	0.0	
30	QPSK	1	1	25.17	25.10	25.07			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	25.7	0.0	
25	QPSK	1	1	25.20	25.11	25.08			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	25.7	0.0	
20	QPSK	1	1	25.15	25.20	25.10			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2562.5	25.7	0.0	
15	QPSK	1	1	25.15	25.10	25.20			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	25.7	0.0	
10	QPSK	1	1	25.20	25.12	25.15			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	25.7	0.0	
5	QPSK	1	1	25.11	25.11	25.08			

n66 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	24.97	25.07	24.97	25.5	0.0	
40	PI/2 BPSK	1	108	25.03	25.11	25.00			
40	PI/2 BPSK	1	214	25.15	25.23	25.21			
40	PI/2 BPSK	1	320	24.57	24.58	24.67			
40	PI/2 BPSK	108	0	24.57	24.58	24.67	25.0	0.5	
40	PI/2 BPSK	108	54	25.04	25.04	24.92	25.5	0.0	
40	PI/2 BPSK	108	108	24.59	24.71	24.62			
40	PI/2 BPSK	108	162	24.52	24.45	24.39	25.0	0.5	
40	QPSK	1	1	25.21	25.25	25.02			
40	QPSK	1	108	25.09	25.13	25.02			
40	QPSK	1	214	25.11	25.18	25.17			
40	QPSK	108	0	24.10	24.11	24.15	24.5	1.0	
40	QPSK	108	54	24.95	25.09	25.05	25.5	0.0	
40	QPSK	108	108	24.13	24.25	24.27			
40	QPSK	108	162	24.35	24.49	24.25	24.5	1.0	
40	QPSK	216	0	24.35	24.49	24.25			
40	16QAM	1	1	23.84	23.94	24.03	24.5	1.0	
40	64QAM	1	1	22.66	22.77	22.76	23.0	2.5	
40	256QAM	1	1	20.45	20.56	20.48	21.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	25.5	0.0	
30	QPSK	1	1	25.14	25.17	24.95			
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	25.5	0.0	
25	QPSK	1	1	25.18	25.10	25.10			
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	25.5	0.0	
20	QPSK	1	1	25.14	25.09	24.98			
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	25.5	0.0	
15	QPSK	1	1	25.22	25.13	25.10			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	25.5	0.0	
10	QPSK	1	1	25.20	25.17	24.97			
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	25.5	0.0	
5	QPSK	1	1	25.20	25.13	25.03			



n38 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.10	25.15	25.03		
40	PI/2 BPSK	1	53	24.85	24.97	24.88	25.7	0.0
40	PI/2 BPSK	1	104	24.94	25.09	25.05		
40	PI/2 BPSK	50	0	24.53	24.63	24.55	25.2	0.5
40	PI/2 BPSK	50	28	24.89	25.02	24.90	25.7	0.0
40	PI/2 BPSK	50	56	24.54	24.65	24.56	25.2	0.5
40	PI/2 BPSK	100	0	24.37	24.52	24.40		
40	QPSK	1	1	25.06	25.21	25.15		
40	QPSK	1	53	24.99	25.04	24.97	25.7	0.0
40	QPSK	1	104	24.92	25.06	25.03		
40	QPSK	50	0	24.07	24.22	24.04	24.7	1.0
40	QPSK	50	28	25.06	25.14	25.10	25.7	0.0
40	QPSK	50	56	23.92	24.06	24.03	24.7	1.0
40	QPSK	100	0	23.96	24.09	24.06		
40	16QAM	1	1	24.14	24.18	24.08	24.7	1.0
40	64QAM	1	1	22.60	22.71	22.69	23.2	2.5
40	256QAM	1	1	20.20	20.37	20.32	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.95	25.17	25.11	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.96	25.07	25.02	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	24.92	25.05	24.97	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	24.90	25.12	25.01	25.7	0.0

n41 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.96	24.91	24.93		
100	PI/2 BPSK	1	137	25.08	25.04	25.15	25.7	0.0
100	PI/2 BPSK	1	271	25.17	25.10	25.20		
100	PI/2 BPSK	135	0	24.40	24.45	24.38	25.2	0.5
100	PI/2 BPSK	135	69	25.21	25.14	25.14	25.7	0.0
100	PI/2 BPSK	135	138	24.65	24.63	24.69	25.2	0.5
100	PI/2 BPSK	270	0	24.75	24.64	24.67		
100	QPSK	1	1	25.16	25.24	25.07		
100	QPSK	1	137	25.06	25.13	25.23	25.7	0.0
100	QPSK	1	271	25.11	25.04	24.97		
100	QPSK	135	0	24.20	24.17	24.26	24.7	1.0
100	QPSK	135	69	25.10	25.16	25.04	25.7	0.0
100	QPSK	135	138	24.11	24.14	24.13	24.7	1.0
100	QPSK	270	0	24.21	24.22	24.14		
100	16QAM	1	1	24.07	24.10	24.03	24.7	1.0
100	64QAM	1	1	22.11	22.02	22.07	23.2	2.5
100	256QAM	1	1	20.02	20.78	20.75	21.2	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.05	25.14	25.14	25.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.22	25.15	25.07	25.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.21	25.22	24.98	25.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.23	25.11	25.04	25.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.14	25.22	25.17	25.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.16	25.16	24.98	25.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.03	25.20	24.94	25.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.16	25.00	24.99	25.7	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.23	25.19	24.99	25.7	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	25.07	25.07	25.08	25.7	0.0



n7 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	24.63	24.52	24.57			
40	PI/2 BPSK	1	108	24.70	24.65	24.58	25.7	0.0	
40	PI/2 BPSK	1	214	24.76	24.68	24.68			
40	PI/2 BPSK	108	0	24.06	24.06	23.94	25.2	0.5	
40	PI/2 BPSK	108	54	24.76	24.68	24.56	25.7	0.0	
40	PI/2 BPSK	108	108	24.30	24.26	24.34			
40	PI/2 BPSK	216	0	24.18	24.12	24.17	25.2	0.5	
40	QPSK	1	1	24.74	24.80	24.77			
40	QPSK	1	108	24.72	24.77	24.70	25.7	0.0	
40	QPSK	1	214	24.59	24.69	24.60			
40	QPSK	108	0	23.54	23.55	23.45	24.7	1.0	
40	QPSK	108	54	24.60	24.65	24.55	25.7	0.0	
40	QPSK	108	108	23.74	23.75	23.71	24.7	1.0	
40	QPSK	216	0	23.70	23.65	23.84			
40	16QAM	1	1	23.74	23.64	23.66	24.7	1.0	
40	64QAM	1	1	21.85	21.95	21.87	23.2	2.5	
40	256QAM	1	1	19.73	19.75	19.82	21.2	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	24.72	24.75	24.69	25.7	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	24.67	24.75	24.69	25.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	24.73	24.70	24.67	25.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	24.70	24.77	24.73	25.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	24.68	24.77	24.79	25.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	24.77	24.67	24.67	25.7	0.0	

n66 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	24.08	24.08	24.00			
40	PI/2 BPSK	1	108	24.18	24.13	24.05	25.5	0.0	
40	PI/2 BPSK	1	214	24.30	24.34	24.28			
40	PI/2 BPSK	108	0	23.77	23.70	23.58	25.0	0.5	
40	PI/2 BPSK	108	54	24.17	24.19	24.13	25.5	0.0	
40	PI/2 BPSK	108	108	23.87	23.79	23.83			
40	PI/2 BPSK	216	0	23.80	23.87	23.95	25.0	0.5	
40	QPSK	1	1	24.34	24.35	24.13			
40	QPSK	1	108	24.14	24.21	24.10	25.5	0.0	
40	QPSK	1	214	24.28	24.33	24.21			
40	QPSK	108	0	23.21	23.23	23.21	24.5	1.0	
40	QPSK	108	54	24.10	24.17	24.07	25.5	0.0	
40	QPSK	108	108	23.30	23.32	23.22	24.5	1.0	
40	QPSK	216	0	23.35	23.39	23.37			
40	16QAM	1	1	23.11	23.06	23.03	24.5	1.0	
40	64QAM	1	1	21.56	21.65	21.61	23.0	2.5	
40	256QAM	1	1	19.20	19.16	19.20	21.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	24.18	24.11	24.04	25.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	24.08	24.28	24.02	25.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	24.14	24.23	24.04	25.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	24.33	24.15	24.18	25.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	24.32	24.09	24.08	25.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	24.16	24.05	24.13	25.5	0.0	



n38 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	24.09	24.12	23.97		
40	PI/2 BPSK	1	53	23.80	23.97	23.84	25.7	0.0
40	PI/2 BPSK	1	104	24.00	24.11	24.06		
40	PI/2 BPSK	50	0	23.45	23.57	23.46	25.2	0.5
40	PI/2 BPSK	50	28	23.91	23.97	23.89	25.7	0.0
40	PI/2 BPSK	50	56	23.47	23.53	23.42	25.2	0.5
40	PI/2 BPSK	100	0	23.46	23.61	23.44		
40	QPSK	1	1	24.12	24.20	24.18		
40	QPSK	1	53	23.92	24.03	24.00	25.7	0.0
40	QPSK	1	104	23.81	23.99	23.97		
40	QPSK	50	0	22.91	23.09	23.02	24.7	1.0
40	QPSK	50	28	23.94	23.97	23.92	25.7	0.0
40	QPSK	50	56	22.89	22.99	22.82	24.7	1.0
40	QPSK	100	0	22.95	23.02	23.00		
40	16QAM	1	1	23.09	23.20	23.15	24.7	1.0
40	64QAM	1	1	21.67	21.85	21.79	23.2	2.5
40	256QAM	1	1	19.29	19.45	19.31	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.03	24.03	24.04	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.95	24.04	24.10	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.86	24.16	24.14	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	24.00	24.11	24.05	25.7	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.03	24.13	24.10		
100	PI/2 BPSK	1	137	24.04	24.03	23.92	25.7	0.0
100	PI/2 BPSK	1	271	24.01	24.03	24.14		
100	PI/2 BPSK	135	0	24.14	24.04	24.08	25.2	0.5
100	PI/2 BPSK	135	69	23.97	23.99	24.02	25.7	0.0
100	PI/2 BPSK	135	138	23.87	23.90	23.99	25.2	0.5
100	PI/2 BPSK	270	0	23.99	24.02	24.03		
100	QPSK	1	1	24.11	24.21	24.04		
100	QPSK	1	137	24.18	24.14	24.18	25.7	0.0
100	QPSK	1	271	23.99	23.98	23.97		
100	QPSK	135	0	23.41	23.46	23.39	24.7	1.0
100	QPSK	135	69	24.00	24.15	24.02	25.7	0.0
100	QPSK	135	138	23.46	23.42	23.29	24.7	1.0
100	QPSK	270	0	23.59	23.60	23.57		
100	16QAM	1	1	23.45	23.49	23.48	24.7	1.0
100	64QAM	1	1	22.20	22.11	22.11	23.2	2.5
100	256QAM	1	1	19.56	19.59	19.59	21.2	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.15	24.11	24.08	25.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.16	24.01	24.11	25.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.07	24.18	24.12	25.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.15	24.13	24.03	25.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.14	24.20	23.91	25.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.08	24.14	24.05	25.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.08	24.19	23.95	25.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.03	24.11	23.97	25.7	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.04	24.13	23.95	25.7	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.08	24.07	24.00	25.7	0.0



PC3 Part270 n77 Ant10 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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	24.92	25.05	25.07			
100	PI/2 BPSK	1	137	25.13	25.20	25.12	25.7	0.0	
100	PI/2 BPSK	1	271	25.11	25.17	25.07			
100	PI/2 BPSK	135	0	25.18	25.08	25.01	25.7	0.0	
100	PI/2 BPSK	135	69	25.05	25.14	25.08	25.7	0.0	
100	PI/2 BPSK	135	138	24.97	25.08	25.06	25.7	0.0	
100	PI/2 BPSK	270	0	25.13	25.13	25.15			
100	QPSK	1	1	25.10	25.22	25.13			
100	QPSK	1	137	25.06	25.16	25.15	25.7	0.0	
100	QPSK	1	271	25.12	25.13	25.07			
100	QPSK	135	0	25.03	25.15	25.18	25.7	0.0	
100	QPSK	135	69	25.08	25.18	25.16	25.7	0.0	
100	QPSK	135	138	25.10	25.11	25.05	25.7	0.0	
100	QPSK	270	0	25.00	25.13	25.10			
100	16QAM	1	1	25.13	25.08	24.98	25.7	0.0	
100	64QAM	1	1	24.72	24.78	24.64	25.2	0.5	
100	256QAM	1	1	22.53	22.60	22.50	23.2	2.5	
Channel				649698	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	25.13	25.13	25.09	25.7	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	25.13	25.11	25.02	25.7	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	25.05	25.17	25.19	25.7	0.0	
Channel				648698	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	25.07	25.18	25.20	25.7	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	25.03	25.15	25.15	25.7	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	25.10	25.16	25.06	25.7	0.0	
Channel				647698	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	25.14	25.11	25.17	25.7	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	24.99	25.20	25.10	25.7	0.0	
Channel				647168	650000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.82	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	24.97	25.18	25.11	25.7	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	25.14	25.17	25.13	25.7	0.0	

PC2 Part270 n77 Ant10 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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	26.78	26.86	26.90			
100	PI/2 BPSK	1	137	26.78	26.84	26.94	28.0	0.0	
100	PI/2 BPSK	1	271	26.81	26.82	26.82			
100	PI/2 BPSK	135	0	26.85	26.97	26.85	28.0	0.0	
100	PI/2 BPSK	135	69	27.04	26.96	27.04	28.0	0.0	
100	PI/2 BPSK	135	138	26.81	26.94	26.89	28.0	0.0	
100	PI/2 BPSK	270	0	26.82	26.86	26.83			
100	QPSK	1	1	27.10	27.20	26.95			
100	QPSK	1	137	26.86	26.82	26.73	28.0	0.0	
100	QPSK	1	271	27.14	27.04	27.01			
100	QPSK	135	0	26.87	26.96	27.05	28.0	0.0	
100	QPSK	135	69	26.98	27.10	27.05	28.0	0.0	
100	QPSK	135	138	26.80	26.77	26.68	28.0	0.0	
100	QPSK	270	0	26.88	26.93	26.81			
100	16QAM	1	1	26.98	26.88	26.82	28.0	0.0	
100	64QAM	1	1	25.48	25.56	25.51	26.5	1.5	
100	256QAM	1	1	23.23	23.28	23.20	24.5	3.5	
Channel				649698	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	27.11	27.11	26.98	28.0	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	27.04	27.08	26.82	28.0	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	27.01	27.17	26.97	28.0	0.0	
Channel				648698	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	27.45	27.10	26.99	28.0	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	27.01	27.11	26.99	28.0	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	27.02	27.09	26.82	28.0	0.0	
Channel				647698	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	27.40	27.15	26.86	28.0	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	27.47	27.16	26.87	28.0	0.0	
Channel				647168	650000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	27.00	27.01	26.83	28.0	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	27.04	27.17	26.95	28.0	0.0	



PC3 Part27Q n77 Ant10 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	25.25	25.25	25.25	25.7	0.0	
100	PI/2 BPSK	1	137	25.18	25.18	25.18			
100	PI/2 BPSK	1	271	25.27	25.27	25.27			
100	PI/2 BPSK	135	0	25.28	25.28	25.28			
100	PI/2 BPSK	135	69	25.19	25.19	25.19			
100	PI/2 BPSK	135	138	25.17	25.17	25.17			
100	PI/2 BPSK	270	0	25.27	25.27	25.27			
100	QPSK	1	1	25.33	25.33	25.33			
100	QPSK	1	137	25.31	25.31	25.31			
100	QPSK	1	271	25.31	25.31	25.31			
100	QPSK	135	0	25.25	25.25	25.25	25.7	0.0	
100	QPSK	135	69	25.26	25.26	25.26	25.7	0.0	
100	QPSK	135	138	25.18	25.18	25.18	25.7	0.0	
100	QPSK	270	0	25.24	25.24	25.24	25.7	0.0	
100	16QAM	1	1	25.12	25.12	25.12	25.7	0.0	
100	64QAM	1	1	23.69	23.69	23.69	25.2	0.5	
100	256QAM	1	1	21.62	21.62	21.62	23.2	2.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	25.7	0.0	
90	QPSK	1	1	25.23	25.23	25.30	25.7	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	25.7	0.0	
80	QPSK	1	1	25.22	25.10	25.28	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	25.7	0.0	
70	QPSK	1	1	25.20	25.27	25.31	25.7	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	25.7	0.0	
60	QPSK	1	1	25.30	25.27	25.32	25.7	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	25.7	0.0	
50	QPSK	1	1	25.27	25.27	25.17	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	25.7	0.0	
40	QPSK	1	1	25.25	25.28	25.27	25.7	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	25.7	0.0	
30	QPSK	1	1	25.28	25.23	25.20	25.7	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	25.7	0.0	
20	QPSK	1	1	25.23	25.30	25.23	25.7	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	25.7	0.0	
15	QPSK	1	1	25.32	25.30	25.28	25.7	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	25.7	0.0	
10	QPSK	1	1	25.20	25.32	25.29	25.7	0.0	

PC2 Part27Q n77 Ant10 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	27.33	27.33	27.33	28.0	0.0	
100	PI/2 BPSK	1	137	27.19	27.19	27.19			
100	PI/2 BPSK	1	271	27.23	27.23	27.23			
100	PI/2 BPSK	135	0	27.31	27.31	27.31			
100	PI/2 BPSK	135	69	27.34	27.34	27.34			
100	PI/2 BPSK	135	138	27.24	27.24	27.24			
100	PI/2 BPSK	270	0	27.24	27.24	27.24			
100	QPSK	1	1	27.40	27.40	27.40			
100	QPSK	1	137	27.23	27.23	27.23			
100	QPSK	1	271	27.14	27.14	27.14			
100	QPSK	135	0	27.26	27.26	27.26	28.0	0.0	
100	QPSK	135	69	27.37	27.37	27.37	28.0	0.0	
100	QPSK	135	138	27.33	27.33	27.33	28.0	0.0	
100	QPSK	270	0	27.38	27.38	27.38	28.0	0.0	
100	16QAM	1	1	27.31	27.31	27.31	28.0	0.0	
100	64QAM	1	1	25.82	25.82	25.82	26.5	1.5	
100	256QAM	1	1	23.94	23.94	23.94	24.5	3.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	28.0	0.0	
90	QPSK	1	1	27.33	27.24	27.27	28.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	28.0	0.0	
80	QPSK	1	1	27.17	27.17	27.27	28.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	28.0	0.0	
70	QPSK	1	1	27.28	27.23	27.32	28.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	28.0	0.0	
60	QPSK	1	1	27.31	27.31	27.38	28.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	28.0	0.0	
50	QPSK	1	1	27.38	27.31	27.26	28.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	28.0	0.0	
40	QPSK	1	1	27.31	27.23	27.22	28.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	28.0	0.0	
30	QPSK	1	1	27.20	27.26	27.22	28.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	28.0	0.0	
20	QPSK	1	1	27.28	27.22	27.25	28.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	28.0	0.0	
15	QPSK	1	1	27.32	27.22	27.33	28.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	28.0	0.0	
10	QPSK	1	1	27.23	27.30	27.20	28.0	0.0	





PC3 Part270 n78 Ant10 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	25.00			25.7	0.0	
100	PI/2 BPSK	1	137	25.02					
100	PI/2 BPSK	1	271	25.03					
100	PI/2 BPSK	135	0	24.97			25.7	0.0	
100	PI/2 BPSK	135	69	25.01			25.7	0.0	
100	PI/2 BPSK	135	138	24.96			25.7	0.0	
100	PI/2 BPSK	270	0	24.91			25.7	0.0	
100	QPSK	1	1	25.08					
100	QPSK	1	137	25.00			25.7	0.0	
100	QPSK	1	271	24.88					
100	QPSK	135	0	24.96			25.7	0.0	
100	QPSK	135	69	25.05			25.7	0.0	
100	QPSK	135	138	24.88			25.7	0.0	
100	QPSK	270	0	24.91			25.7	0.0	
100	16QAM	1	1	25.00			25.7	0.0	
100	64QAM	1	1	24.62			25.2	0.5	
100	256QAM	1	1	22.54			23.2	2.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	25.7	0.0	
90	QPSK	1	1	24.70	24.81	24.59	25.7	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	25.7	0.0	
80	QPSK	1	1	24.82	24.90	24.78	25.7	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	25.7	0.0	
70	QPSK	1	1	24.91	24.98	24.78	25.7	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	25.7	0.0	
60	QPSK	1	1	24.80	24.88	24.88	25.7	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	25.7	0.0	
50	QPSK	1	1	24.82	24.96	24.89	25.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	25.7	0.0	
40	QPSK	1	1	24.90	24.90	24.78	25.7	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	25.7	0.0	
30	QPSK	1	1	25.00	24.87	24.92	25.7	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	25.7	0.0	
20	QPSK	1	1	24.96	24.80	24.98	25.7	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.51	25.7	0.0	
15	QPSK	1	1	24.90	24.82	24.84	25.7	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	25.7	0.0	
10	QPSK	1	1	24.81	24.62	24.97	25.7	0.0	

PC2 Part270 n78 Ant10 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	26.96			28.0	0.0	
100	PI/2 BPSK	1	137	27.00					
100	PI/2 BPSK	1	271	27.06					
100	PI/2 BPSK	135	0	26.98			28.0	0.0	
100	PI/2 BPSK	135	69	26.89			28.0	0.0	
100	PI/2 BPSK	135	138	26.97			28.0	0.0	
100	PI/2 BPSK	270	0	26.98			28.0	0.0	
100	QPSK	1	1	27.10					
100	QPSK	1	137	27.04			28.0	0.0	
100	QPSK	1	271	26.98					
100	QPSK	135	0	26.96			28.0	0.0	
100	QPSK	135	69	26.98			28.0	0.0	
100	QPSK	135	138	26.93			28.0	0.0	
100	QPSK	270	0	26.94			28.0	0.0	
100	16QAM	1	1	27.06			28.0	0.0	
100	64QAM	1	1	25.56			26.5	1.5	
100	256QAM	1	1	23.04			24.5	3.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	28.0	0.0	
90	QPSK	1	1	27.07	26.90	27.08	28.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	28.0	0.0	
80	QPSK	1	1	26.93	26.95	27.05	28.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	28.0	0.0	
70	QPSK	1	1	26.90	26.98	26.87	28.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	28.0	0.0	
60	QPSK	1	1	26.95	27.01	27.04	28.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	28.0	0.0	
50	QPSK	1	1	26.98	26.89	26.96	28.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	28.0	0.0	
40	QPSK	1	1	26.98	27.05	26.97	28.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	28.0	0.0	
30	QPSK	1	1	27.01	27.03	27.05	28.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	28.0	0.0	
20	QPSK	1	1	27.04	26.94	26.91	28.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.51	28.0	0.0	
15	QPSK	1	1	26.88	26.91	26.88	28.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	28.0	0.0	
10	QPSK	1	1	27.03	27.06	27.07	28.0	0.0	



PC3 Part27Q n78 Ant10 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	25.25	25.26		25.7	0.0	
100	PI/2 BPSK	1	137	25.22	25.22				
100	PI/2 BPSK	1	271	25.16	25.16				
100	PI/2 BPSK	135	0	25.27	25.27				
100	PI/2 BPSK	135	69	25.31	25.31				
100	PI/2 BPSK	135	138	25.18	25.18				
100	PI/2 BPSK	270	0	25.33	25.33				
100	QPSK	1	1	25.38	25.38				
100	QPSK	1	137	25.34	25.34				
100	QPSK	1	271	25.28	25.28				
100	QPSK	135	0	25.31	25.31				
100	QPSK	135	69	25.33	25.33				
100	QPSK	135	138	25.25	25.25				
100	QPSK	270	0	25.28	25.28				
100	16QAM	1	1	25.30	25.30				
100	64QAM	1	1	24.82	25.2				
100	256QAM	1	1	22.70	23.2	23.5			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	25.7	0.0	
90	QPSK	1	1	25.25	25.10	25.18	25.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	25.7	0.0	
80	QPSK	1	1	25.30	25.20	25.21	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	25.7	0.0	
70	QPSK	1	1	25.20	25.20	25.35	25.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	25.7	0.0	
60	QPSK	1	1	25.34	25.32	25.31	25.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	25.7	0.0	
50	QPSK	1	1	25.35	25.20	25.33	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	25.7	0.0	
40	QPSK	1	1	25.20	25.30	25.18	25.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	25.7	0.0	
30	QPSK	1	1	25.35	25.21	25.33	25.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	25.7	0.0	
20	QPSK	1	1	25.20	25.30	25.28	25.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	25.7	0.0	
15	QPSK	1	1	25.20	25.30	25.27	25.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	25.7	0.0	
10	QPSK	1	1	25.17	25.19	25.34	25.7	0.0	

PC2 Part27Q n78 Ant10 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	27.33	27.33		28.0	0.0	
100	PI/2 BPSK	1	137	27.26	27.26				
100	PI/2 BPSK	1	271	27.17	27.17				
100	PI/2 BPSK	135	0	27.27	27.27				
100	PI/2 BPSK	135	69	27.21	27.21				
100	PI/2 BPSK	135	138	27.31	27.31				
100	PI/2 BPSK	270	0	27.25	27.25				
100	QPSK	1	1	27.40	27.40				
100	QPSK	1	137	27.32	27.32				
100	QPSK	1	271	27.11	27.11				
100	QPSK	135	0	27.19	27.19				
100	QPSK	135	69	27.38	27.38				
100	QPSK	135	138	27.31	27.31				
100	QPSK	270	0	27.32	27.32				
100	16QAM	1	1	27.26	27.26				
100	64QAM	1	1	25.97	25.2				
100	256QAM	1	1	23.31	23.31	24.5			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	28.0	0.0	
90	QPSK	1	1	27.24	27.29	27.34	28.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	28.0	0.0	
80	QPSK	1	1	27.19	27.18	27.18	28.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	28.0	0.0	
70	QPSK	1	1	27.22	27.20	27.33	28.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	28.0	0.0	
60	QPSK	1	1	27.36	27.35	27.31	28.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	28.0	0.0	
50	QPSK	1	1	27.18	27.32	27.35	28.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	28.0	0.0	
40	QPSK	1	1	27.20	27.34	27.25	28.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	28.0	0.0	
30	QPSK	1	1	27.36	27.33	27.35	28.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	28.0	0.0	
20	QPSK	1	1	27.29	27.30	27.37	28.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	28.0	0.0	
15	QPSK	1	1	27.18	27.36	27.22	28.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	28.0	0.0	
10	QPSK	1	1	27.38	27.31	27.31	28.0	0.0	



PC3 Part270 n77 Ant13 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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.07	25.21	25.15			
100	PI/2 BPSK	1	137	25.08	25.18	25.15			
100	PI/2 BPSK	1	271	25.05	25.16	25.01	25.7	0.0	
100	PI/2 BPSK	135	0	25.04	25.11	24.97	25.7	0.0	
100	PI/2 BPSK	135	69	24.86	25.04	24.86	25.7	0.0	
100	PI/2 BPSK	135	138	24.96	25.08	24.94			
100	PI/2 BPSK	270	0	25.05	25.12	25.05	25.7	0.0	
100	QPSK	1	1	25.17	25.23	25.09			
100	QPSK	1	137	25.07	25.17	25.08	25.7	0.0	
100	QPSK	1	271	25.06	25.13	25.00			
100	QPSK	135	0	25.15	25.19	25.10	25.7	0.0	
100	QPSK	135	69	25.06	25.14	25.01	25.7	0.0	
100	QPSK	135	138	24.92	25.01	24.92			
100	QPSK	270	0	25.02	25.09	24.99	25.7	0.0	
100	16QAM	1	1	25.12	25.15	25.04	25.7	0.0	
100	64QAM	1	1	24.92	24.96	24.82	25.2	0.5	
100	256QAM	1	1	21.36	21.39	21.25	23.2	2.5	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.13	25.20	24.93	25.7	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.07	25.09	25.03	25.7	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.12	25.13	24.92	25.7	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.11	25.17	24.92	25.7	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.07	25.20	24.95	25.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.04	25.15	25.04	25.7	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	25.09	25.18	25.01	25.7	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	25.02	25.16	24.93	25.7	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51			
15	QPSK	1	1	25.11	25.13	25.00	25.7	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.14	25.19	25.02	25.7	0.0	

PC2 Part270 n77 Ant13 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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	26.20	26.28	26.17			
100	PI/2 BPSK	1	137	26.15	26.26	26.21			
100	PI/2 BPSK	1	271	26.09	26.23	26.20	27.5	0.0	
100	PI/2 BPSK	135	0	26.13	26.30	26.22	27.0	0.5	
100	PI/2 BPSK	135	69	26.13	26.19	26.15	27.5	0.0	
100	PI/2 BPSK	135	138	26.15	26.22	26.16			
100	PI/2 BPSK	270	0	25.98	26.15	25.99	27.0	0.5	
100	QPSK	1	1	26.25	26.34	26.22			
100	QPSK	1	137	26.17	26.30	26.27	27.5	0.0	
100	QPSK	1	271	26.14	26.24	26.16			
100	QPSK	135	0	26.15	26.32	26.21	26.5	1.0	
100	QPSK	135	69	26.22	26.29	26.21	27.5	0.0	
100	QPSK	135	138	26.10	26.25	26.10			
100	QPSK	270	0	26.23	26.31	26.14	26.5	1.0	
100	16QAM	1	1	26.03	26.08	26.01	26.5	1.0	
100	64QAM	1	1	24.69	24.86	24.81	25.0	2.5	
100	256QAM	1	1	21.26	21.41	21.29	23.0	4.5	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	26.08	26.29	26.12	27.5	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	26.16	26.26	26.16	27.5	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	26.23	26.27	26.12	27.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	26.13	26.17	26.06	27.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	26.14	26.30	26.19	27.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	26.23	26.31	26.18	27.5	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	26.22	26.19	26.12	27.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	26.12	26.24	26.04	27.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51			
15	QPSK	1	1	26.14	26.30	26.06	27.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	26.15	26.16	26.20	27.5	0.0	



PC3 Part27Q n77 Ant13 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	25.14			25.7	0.0	
100	PI/2 BPSK	1	137	25.03					
100	PI/2 BPSK	1	271	25.07					
100	PI/2 BPSK	135	0	24.95			25.7	0.0	
100	PI/2 BPSK	135	69	24.95			25.7	0.0	
100	PI/2 BPSK	135	138	25.01			25.7	0.0	
100	PI/2 BPSK	270	0	25.01			25.7	0.0	
100	QPSK	1	1	25.15					
100	QPSK	1	137	25.02			25.7	0.0	
100	QPSK	1	271	25.06					
100	QPSK	135	0	25.09			25.7	0.0	
100	QPSK	135	69	25.04			25.7	0.0	
100	QPSK	135	138	24.91			25.7	0.0	
100	QPSK	270	0	24.96			25.7	0.0	
100	16QAM	1	1	25.13			25.7	0.0	
100	64QAM	1	1	24.87			25.2	0.5	
100	256QAM	1	1	21.66			23.2	2.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	25.01	25.07	25.05	25.7	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	25.00	25.04	25.00	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	25.03	25.09	25.07	25.7	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	25.10	25.09	25.07	25.7	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	25.02	25.00	25.03	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	24.99	25.07	25.07	25.7	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	25.10	25.07	25.06	25.7	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	24.98	25.12	25.11	25.7	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	25.09	24.98	25.00	25.7	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	25.11	25.06	25.13	25.7	0.0	

PC2 Part27Q n77 Ant13 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	26.20			27.5	0.0	
100	PI/2 BPSK	1	137	26.14					
100	PI/2 BPSK	1	271	26.21					
100	PI/2 BPSK	135	0	26.21			27.0	0.5	
100	PI/2 BPSK	135	69	26.09			27.5	0.0	
100	PI/2 BPSK	135	138	26.19			27.0	0.5	
100	PI/2 BPSK	270	0	26.11			27.0	0.5	
100	QPSK	1	1	26.26					
100	QPSK	1	137	26.18			27.5	0.0	
100	QPSK	1	271	26.18					
100	QPSK	135	0	26.19			26.5	1.0	
100	QPSK	135	69	26.26			27.5	0.0	
100	QPSK	135	138	26.21			26.5	1.0	
100	QPSK	270	0	26.22			26.5	1.0	
100	16QAM	1	1	26.01			26.5	1.0	
100	64QAM	1	1	24.75			25.0	2.5	
100	256QAM	1	1	21.25			23.0	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	26.22	26.20	26.18	27.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	26.15	26.21	26.25	27.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	26.23	26.16	26.11	27.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	26.19	26.14	26.23	27.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	26.10	26.19	26.14	27.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	26.15	26.17	26.14	27.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	26.25	26.18	26.26	27.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	26.18	26.21	26.11	27.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	26.16	26.19	26.13	27.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	26.22	26.23	26.21	27.5	0.0	



PC3 Part270 n78 Ant13 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)	
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	649668	650000	650334	25.23		
100	PI/2 BPSK	1	137	3745.02	3750	3755.01	25.13	25.7	0.0
100	PI/2 BPSK	1	271		25.25		25.06		
100	PI/2 BPSK	135	0		25.06		25.03	25.7	0.0
100	PI/2 BPSK	135	69		25.15		25.12	25.7	0.0
100	PI/2 BPSK	135	138		25.12		25.17		
100	PI/2 BPSK	270	0		25.20		25.14	25.7	0.0
100	QPSK	1	1		25.15		25.24		
100	QPSK	1	137		25.14		25.21	25.7	0.0
100	QPSK	1	271		25.14		25.10	25.7	0.0
100	QPSK	135	0		25.21		25.17	25.7	0.0
100	QPSK	135	69		25.10		25.17		
100	QPSK	135	138		25.25		25.17	25.7	0.0
100	QPSK	270	0		24.12		24.12	24.2	1.5
100	16QAM	1	1		21.74		22.2	22.2	3.5
100	256QAM	1	1						
Channel									
Frequency (MHz)									
90	QPSK	1	1	649668	650000	650334	25.19		
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650668	25.19		
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3750	3760.02	25.27		
Channel									
Frequency (MHz)									
70	QPSK	1	1	649000	650000	651000	25.12		
Channel									
Frequency (MHz)									
60	QPSK	1	1	648668	650000	651334	25.12		
Channel									
Frequency (MHz)									
60	QPSK	1	1	3730.02	3750	3770.01	25.20		
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	650000	651668	25.21		
Channel									
Frequency (MHz)									
50	QPSK	1	1	3725.01	3750	3775.02	25.24		
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	25.12		
Channel									
Frequency (MHz)									
40	QPSK	1	1	3720	3750	3780	25.19		
Channel									
Frequency (MHz)									
40	QPSK	1	1	647668	650000	652334	25.19		
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715.02	3750	3785.01	25.17		
Channel									
Frequency (MHz)									
30	QPSK	1	1	647334	650000	652668	25.22		
Channel									
Frequency (MHz)									
20	QPSK	1	1	3710.01	3750	3790.02	25.15		
Channel									
Frequency (MHz)									
20	QPSK	1	1	647168	650000	652834	25.19		
Channel									
Frequency (MHz)									
15	QPSK	1	1	3707.52	3750	3792.51	25.25		
Channel									
Frequency (MHz)									
15	QPSK	1	1	647000	650000	653000	25.15		
Channel									
Frequency (MHz)									
10	QPSK	1	1	3705	3750	3795	25.24		

PC2 Part270 n78 Ant13 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)	
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	649668	650000	650334	26.15		
100	PI/2 BPSK	1	137	3745.02	3750	3755.01	26.06	27.9	0.0
100	PI/2 BPSK	1	271		26.11		26.09		
100	PI/2 BPSK	135	0		26.11		26.11	27.4	0.5
100	PI/2 BPSK	135	69		26.03		26.03	27.9	0.0
100	PI/2 BPSK	135	138		26.09		26.09		
100	PI/2 BPSK	270	0		26.01		26.01	27.4	0.5
100	QPSK	1	1		26.23		26.23		
100	QPSK	1	137		26.07		26.13	27.9	0.0
100	QPSK	1	271		26.13		26.11		
100	QPSK	135	0		26.11		26.11	26.9	1.0
100	QPSK	135	69		26.21		26.16	27.9	0.0
100	QPSK	135	138		26.16		26.16		
100	QPSK	270	0		26.19		26.19	26.9	1.0
100	16QAM	1	1		25.91		25.91	26.9	1.0
100	64QAM	1	1		24.64		24.64	25.4	2.5
100	256QAM	1	1		22.36		22.36	23.4	4.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	649668	650000	650334	26.19		
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650668	26.12		
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3750	3760.02	26.20		
Channel									
Frequency (MHz)									
70	QPSK	1	1	649000	650000	651000	26.10		
Channel									
Frequency (MHz)									
60	QPSK	1	1	648668	650000	651334	26.10		
Channel									
Frequency (MHz)									
60	QPSK	1	1	3730.02	3750	3770.01	26.10		
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	650000	651668	26.09		
Channel									
Frequency (MHz)									
50	QPSK	1	1	3725.01	3750	3775.02	26.09		
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	26.14		
Channel									
Frequency (MHz)									
40	QPSK	1	1	647668	650000	652334	26.06		
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715.02	3750	3785.01	26.05		
Channel									
Frequency (MHz)									
30	QPSK	1	1	647334	650000	652668	26.10		
Channel									
Frequency (MHz)									
20	QPSK	1	1	3710.01	3750	3790.02	26.14		
Channel									
Frequency (MHz)									
20	QPSK	1	1	647168	650000	652834	26.14		
Channel									
Frequency (MHz)									
15	QPSK	1	1	3707.52	3750	3792.51	26.16		
Channel									
Frequency (MHz)									
15	QPSK	1	1	647000	650000	653000	26.13		
Channel									
Frequency (MHz)									
10	QPSK	1	1	3705	3750	3795	26.12		



PC3 Part27Q n78 Ant13 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	25.19	25.11	25.11	25.7	0.0	
100	PI/2 BPSK	1	137	25.11	25.11	25.11			
100	PI/2 BPSK	1	271	25.11	25.11	25.11			
100	PI/2 BPSK	135	0	25.00	25.00	25.00	25.7	0.0	
100	PI/2 BPSK	135	69	24.98	25.00	25.00	25.7	0.0	
100	PI/2 BPSK	135	138	25.12	25.12	25.12	25.7	0.0	
100	PI/2 BPSK	270	0	25.01	25.01	25.01	25.7	0.0	
100	QPSK	1	1	25.20	25.20	25.20			
100	QPSK	1	137	25.03	25.03	25.03	25.7	0.0	
100	QPSK	1	271	25.19	25.19	25.19			
100	QPSK	135	0	25.03	25.03	25.03	25.7	0.0	
100	QPSK	135	69	25.20	25.20	25.20	25.7	0.0	
100	QPSK	135	138	25.07	25.07	25.07	25.7	0.0	
100	QPSK	270	0	25.13	25.13	25.13	25.7	0.0	
100	16QAM	1	1	25.22	25.22	25.22	25.7	0.0	
100	64QAM	1	1	23.72	23.72	23.72	24.2	1.5	
100	256QAM	1	1	21.30	21.30	21.30	22.2	3.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	25.10	25.17	25.27	25.7	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	25.10	25.10	25.13	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	25.14	25.25	25.15	25.7	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	25.23	25.23	25.22	25.7	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	25.23	25.27	25.17	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	25.14	25.13	25.23	25.7	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	25.24	25.14	25.15	25.7	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	25.16	25.24	25.15	25.7	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	25.14	25.12	25.20	25.7	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	25.25	25.22	25.19	25.7	0.0	

PC2 Part27Q n78 Ant13 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	26.11	26.11	26.11	27.9	0.0	
100	PI/2 BPSK	1	137	25.96	25.96	25.96			
100	PI/2 BPSK	1	271	26.05	26.05	26.05			
100	PI/2 BPSK	135	0	26.07	26.07	26.07	27.4	0.5	
100	PI/2 BPSK	135	69	26.02	26.02	26.02	27.9	0.0	
100	PI/2 BPSK	135	138	26.01	26.01	26.01	27.4	0.5	
100	PI/2 BPSK	270	0	25.90	25.90	25.90			
100	QPSK	1	1	26.24	26.24	26.24			
100	QPSK	1	137	25.95	25.95	25.95	27.9	0.0	
100	QPSK	1	271	26.13	26.13	26.13			
100	QPSK	135	0	26.08	26.08	26.08	26.9	1.0	
100	QPSK	135	69	26.19	26.19	26.19	27.9	0.0	
100	QPSK	135	138	26.05	26.05	26.05	26.9	1.0	
100	QPSK	270	0	26.11	26.11	26.11			
100	16QAM	1	1	25.80	25.80	25.80	26.9	1.0	
100	64QAM	1	1	24.64	24.64	24.64	25.4	2.5	
100	256QAM	1	1	22.21	22.21	22.21	23.4	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	26.22	26.12	26.21	27.9	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	26.22	26.11	26.18	27.9	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	26.22	26.13	26.10	27.9	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	26.18	26.09	26.09	27.9	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	26.14	26.20	26.14	27.9	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	26.17	26.17	26.11	27.9	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	26.09	26.22	26.12	27.9	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	26.20	26.15	26.17	27.9	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	26.08	26.07	26.11	27.9	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	26.15	26.18	26.17	27.9	0.0	



Reduced Power for 5G NR for Main PA

n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.02	25.16	24.97	25.7	0.0
20	PI/2 BPSK	1	53	24.97	25.11	25.07		
20	PI/2 BPSK	1	104	24.73	24.95	24.82		
20	PI/2 BPSK	50	0	24.68	24.74	24.63	25.2	0.5
20	PI/2 BPSK	50	28	24.81	24.96	24.94	25.7	0.0
20	PI/2 BPSK	50	56	24.23	24.38	24.39	25.2	0.5
20	PI/2 BPSK	100	0	24.44	24.47	24.45		
20	QPSK	1	1	25.09	25.25	25.10	25.7	0.0
20	QPSK	1	53	25.02	25.04	25.05		
20	QPSK	1	104	24.90	24.88	24.83		
20	QPSK	50	0	24.29	24.33	24.22	24.7	1.0
20	QPSK	50	28	25.07	25.10	25.02	25.7	0.0
20	QPSK	50	56	23.77	23.92	23.94	24.7	1.0
20	QPSK	100	0	23.81	24.01	23.92		
20	16QAM	1	1	24.13	24.16	24.13	24.7	1.0
20	64QAM	1	1	22.26	22.43	22.22	23.2	2.5
20	256QAM	1	1	20.55	20.73	20.59	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.7	0.0
15	QPSK	1	1	24.88	25.16	24.99	25.7	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	25.10	25.23	24.90	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.7	0.0
5	QPSK	1	1	25.03	25.18	24.95	25.7	0.0

n71 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	25.01	25.10	24.88	25.7	0.0
20	PI/2 BPSK	1	53	25.05	25.07	24.93		
20	PI/2 BPSK	1	104	24.68	24.88	24.86		
20	PI/2 BPSK	50	0	24.63	24.61	24.55	25.2	0.5
20	PI/2 BPSK	50	28	25.11	25.10	25.01	25.7	0.0
20	PI/2 BPSK	50	56	24.38	24.52	24.37	25.2	0.5
20	PI/2 BPSK	100	0	24.56	24.63	24.49		
20	QPSK	1	1	25.05	25.22	25.06	25.7	0.0
20	QPSK	1	53	25.05	25.15	25.06		
20	QPSK	1	104	25.03	25.05	24.95		
20	QPSK	50	0	24.09	24.09	24.07	24.7	1.0
20	QPSK	50	28	24.98	25.07	25.02	25.7	0.0
20	QPSK	50	56	23.98	24.02	23.86	24.7	1.0
20	QPSK	100	0	24.00	24.05	23.91		
20	16QAM	1	1	24.06	24.19	24.08	24.7	1.0
20	64QAM	1	1	22.58	22.57	22.58	23.2	2.5
20	256QAM	1	1	20.40	20.58	20.49	21.2	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5	25.7	0.0
15	QPSK	1	1	24.95	25.18	25.04	25.7	0.0
Channel				133600	136100	138600		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	25.06	25.17	25.03	25.7	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5	25.7	0.0
5	QPSK	1	1	24.85	25.09	24.89	25.7	0.0



n5 Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	19.61	19.76	19.62		
20	PI/2 BPSK	1	53	19.65	19.75	19.66	20.5	0.0
20	PI/2 BPSK	1	104	19.65	19.82	19.71		
20	PI/2 BPSK	50	0	19.65	19.70	19.53	20.5	0.0
20	PI/2 BPSK	50	28	19.76	19.81	19.70	20.5	0.0
20	PI/2 BPSK	50	56	19.63	19.75	19.58		
20	PI/2 BPSK	100	0	19.69	19.69	19.75	20.5	0.0
20	QPSK	1	1	19.64	19.88	19.58		
20	QPSK	1	53	19.73	19.74	19.62	20.5	0.0
20	QPSK	1	104	19.75	19.74	19.58		
20	QPSK	50	0	19.65	19.81	19.75	20.5	0.0
20	QPSK	50	28	19.83	19.85	19.57	20.5	0.0
20	QPSK	50	56	19.66	19.82	19.70		
20	QPSK	100	0	19.77	19.83	19.71	20.5	0.0
20	16QAM	1	1	19.70	19.86	19.53	20.5	0.0
20	64QAM	1	1	19.78	19.80	19.57	20.5	0.0
20	256QAM	1	1	19.77	19.76	19.62	20.5	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	20.5	0.0
15	QPSK	1	1	19.73	19.82	19.60		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	20.5	0.0
10	QPSK	1	1	19.67	19.76	19.62		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.6	836.5	846.5	20.5	0.0
5	QPSK	1	1	19.75	19.84	19.55		

n71 Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.80	22.91	22.94		
20	PI/2 BPSK	1	53	22.99	22.91	22.82	23.9	0.0
20	PI/2 BPSK	1	104	22.79	22.98	22.79		
20	PI/2 BPSK	50	0	22.95	22.94	22.74	23.9	0.0
20	PI/2 BPSK	50	28	22.92	22.97	22.88	23.9	0.0
20	PI/2 BPSK	50	56	22.79	22.90	22.75		
20	PI/2 BPSK	100	0	22.92	22.94	22.96	23.9	0.0
20	QPSK	1	1	22.86	23.15	22.90		
20	QPSK	1	53	22.89	23.07	22.84	23.9	0.0
20	QPSK	1	104	22.81	22.99	22.77		
20	QPSK	50	0	22.87	23.12	22.94	23.9	0.0
20	QPSK	50	28	22.94	23.13	22.87	23.9	0.0
20	QPSK	50	56	22.99	22.88	22.72		
20	QPSK	100	0	22.86	23.11	22.87	23.9	0.0
20	16QAM	1	1	22.77	22.88	22.85	23.9	0.0
20	64QAM	1	1	22.16	22.20	22.00	22.9	1.0
20	256QAM	1	1	19.91	20.15	20.00	20.9	3.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5	23.9	0.0
15	QPSK	1	1	22.98	22.89	22.93		
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693	23.9	0.0
10	QPSK	1	1	22.94	22.94	22.77		
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5	23.9	0.0
5	QPSK	1	1	22.93	23.05	22.79		





PC3 Part270 n77 Ant1 DS11								
BW [MHz]	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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.23	19.33	19.43	21.0	0.0
100	PI/2 BPSK	1	137	19.21	19.32	19.32		
100	PI/2 BPSK	1	271	19.28	19.39	19.24		
100	PI/2 BPSK	135	0	19.22	19.32	19.38	21.0	0.0
100	PI/2 BPSK	135	69	19.21	19.32	19.44	21.0	0.0
100	PI/2 BPSK	135	138	19.32	19.50	19.29	21.0	0.0
100	PI/2 BPSK	270	0	19.11	19.42	19.30		
100	QPSK	1	1	19.37	19.59	19.50	21.0	0.0
100	QPSK	1	137	19.08	19.38	19.42		
100	QPSK	1	271	19.20	19.39	19.31		
100	QPSK	135	0	19.30	19.41	19.23	21.0	0.0
100	QPSK	135	69	19.11	19.43	19.25	21.0	0.0
100	QPSK	135	138	19.18	19.40	19.35	21.0	0.0
100	QPSK	270	0	19.25	19.41	19.33		
100	16QAM	1	1	19.14	19.43	19.36	21.0	0.0
100	64QAM	1	1	19.21	19.47	19.46	21.0	0.0
100	256QAM	1	1	19.18	19.32	19.25	21.0	0.0
Channel				648668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	19.28	19.45	19.44	21.0	0.0
Channel				648334	656000	662868	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	19.21	19.52	19.33	21.0	0.0
Channel				648000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	19.27	19.42	19.25	21.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	19.24	19.35	19.42	21.0	0.0
Channel				648334	656000	663868	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	19.25	19.45	19.45	21.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	19.09	19.49	19.41	21.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	19.27	19.40	19.34	21.0	0.0
Channel				647334	656000	664868	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	19.31	19.45	19.26	21.0	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	19.22	19.46	19.31	21.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	19.23	19.47	19.41	21.0	0.0



PC3 Part27Q n77 Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.77			
100	PI/2 BPSK	1	137		19.91		21.0	0.0
100	PI/2 BPSK	1	271		19.83			
100	PI/2 BPSK	135	0		19.93		21.0	0.0
100	PI/2 BPSK	135	69		19.94		21.0	0.0
100	PI/2 BPSK	135	138		19.90		21.0	0.0
100	PI/2 BPSK	270	0		19.82			
100	QPSK	1	1		20.20			
100	QPSK	1	137		19.78		21.0	0.0
100	QPSK	1	271		19.80			
100	QPSK	135	0		20.11		21.0	0.0
100	QPSK	135	69		20.15		21.0	0.0
100	QPSK	135	138		20.01		21.0	0.0
100	QPSK	270	0		20.10			
100	16QAM	1	1		20.03		21.0	0.0
100	64QAM	1	1		19.94		21.0	0.0
100	256QAM	1	1		19.84		21.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.09	19.98	20.08	21.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.07	19.95	20.02	21.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.09	20.04	20.10	21.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.91	19.94	19.91	21.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.06	19.97	19.94	21.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.00	20.03	20.06	21.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.96	20.02	20.02	21.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.02	19.98	20.01	21.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.88	20.00	20.08	21.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.10	20.11	19.96	21.0	0.0



PC3 Part270 n78 Ant1 DS11								
BW [MHz]	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		19.36		21.0	0.0
100	PI/2 BPSK	1	137		19.45			
100	PI/2 BPSK	1	271		19.32			
100	PI/2 BPSK	135	0		19.27		21.0	0.0
100	PI/2 BPSK	135	69		19.23		21.0	0.0
100	PI/2 BPSK	135	138		19.47		21.0	0.0
100	PI/2 BPSK	270	0		19.30			
100	QPSK	1	1		19.50			
100	QPSK	1	137		19.35		21.0	0.0
100	QPSK	1	271		19.41			
100	QPSK	135	0		19.33			
100	QPSK	135	69		19.40		21.0	0.0
100	QPSK	135	138		19.28		21.0	0.0
100	QPSK	270	0		19.45			
100	16QAM	1	1		19.35			
100	64QAM	1	1		19.28		21.0	0.0
100	256QAM	1	1		19.23		21.0	0.0
Channel				648668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1		19.37	19.30	21.0	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1		19.26	19.38	21.0	0.0
Channel				648000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1		19.28	19.28	21.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1		19.38	19.31	21.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1		19.21	19.41	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1		19.38	19.23	21.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1		19.20	19.20	21.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1		19.33	19.37	21.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1		19.33	19.21	21.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1		19.28	19.36	21.0	0.0



PC3 Part27Q n78 Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.81			
100	PI/2 BPSK	1	137		19.95		21.0	0.0
100	PI/2 BPSK	1	271		19.74			
100	PI/2 BPSK	135	0		19.90		21.0	0.0
100	PI/2 BPSK	135	69		19.86		21.0	0.0
100	PI/2 BPSK	135	138		19.96			
100	PI/2 BPSK	270	0		19.80		21.0	0.0
100	QPSK	1	1		20.12			
100	QPSK	1	137		19.95		21.0	0.0
100	QPSK	1	271		19.97			
100	QPSK	135	0		19.95		21.0	0.0
100	QPSK	135	69		20.08		21.0	0.0
100	QPSK	135	138		19.85		21.0	0.0
100	QPSK	270	0		20.03			
100	16QAM	1	1		19.88		21.0	0.0
100	64QAM	1	1		19.70		21.0	0.0
100	256QAM	1	1		19.82		21.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.99	19.82	20.02	21.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.03	19.89	19.95	21.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.04	20.02	19.82	21.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.02	19.83	19.83	21.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.93	20.03	20.03	21.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.99	19.86	19.83	21.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.02	19.89	19.91	21.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.90	19.83	20.01	21.0	0.0
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.05	19.85	19.88	21.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.82	19.86	19.97	21.0	0.0



n7 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	25.04	25.05	24.96			
40	PI/2 BPSK	1	108	25.01	25.13	25.01	25.7	0.0	
40	PI/2 BPSK	1	214	25.04	25.03	25.12			
40	PI/2 BPSK	108	0	24.59	24.53	24.53	25.2	0.5	
40	PI/2 BPSK	108	54	25.10	25.18	25.10	25.7	0.0	
40	PI/2 BPSK	108	108	24.65	24.65	24.58			0.5
40	PI/2 BPSK	216	0	24.47	24.43	24.35	25.2	0.5	
40	QPSK	1	1	25.13	25.20	25.09			
40	QPSK	1	108	24.84	24.93	24.84	25.7	0.0	
40	QPSK	1	214	25.06	24.96	24.93			
40	QPSK	108	0	24.30	24.26	24.26	24.7	1.0	
40	QPSK	108	54	25.10	25.16	25.12	25.7	0.0	
40	QPSK	108	108	24.03	24.14	24.03			1.0
40	QPSK	216	0	24.23	24.25	24.19	24.7	1.0	
40	16QAM	1	1	23.77	23.82	23.91	24.7	1.0	
40	64QAM	1	1	22.50	22.48	22.38	23.2	2.5	
40	256QAM	1	1	20.41	20.46	20.53	21.2	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	25.7	0.0	
30	QPSK	1	1	25.13	25.00	25.15	25.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	25.7	0.0	
25	QPSK	1	1	25.10	25.18	25.18	25.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	25.7	0.0	
20	QPSK	1	1	25.02	25.17	25.19	25.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	25.7	0.0	
15	QPSK	1	1	25.04	25.10	25.15	25.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	25.7	0.0	
10	QPSK	1	1	25.17	25.14	25.03	25.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	25.7	0.0	
5	QPSK	1	1	25.10	25.17	25.00	25.7	0.0	

n66 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	25.13	25.04	25.05			
40	PI/2 BPSK	1	108	25.18	25.10	25.09	25.7	0.0	
40	PI/2 BPSK	1	214	25.13	25.17	25.14			
40	PI/2 BPSK	108	0	24.68	24.61	24.68	25.2	0.5	
40	PI/2 BPSK	108	54	25.22	25.16	25.13	25.7	0.0	
40	PI/2 BPSK	108	108	24.62	24.70	24.59			0.5
40	PI/2 BPSK	216	0	24.69	24.74	24.74	25.2	0.5	
40	QPSK	1	1	25.26	25.28	25.18			
40	QPSK	1	108	25.24	25.13	25.06	25.7	0.0	
40	QPSK	1	214	25.21	25.24	25.12			
40	QPSK	108	0	24.04	24.14	24.17	24.7	1.0	
40	QPSK	108	54	25.11	25.21	25.18	25.7	0.0	
40	QPSK	108	108	24.17	24.26	24.20			1.0
40	QPSK	216	0	24.18	24.33	24.30	24.7	1.0	
40	16QAM	1	1	23.96	23.93	23.84	24.7	1.0	
40	64QAM	1	1	22.81	22.73	22.78	23.2	2.5	
40	256QAM	1	1	20.54	20.66	20.55	21.2	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	25.7	0.0	
30	QPSK	1	1	25.24	25.20	25.28	25.7	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	25.7	0.0	
25	QPSK	1	1	25.24	25.20	25.14	25.7	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	25.7	0.0	
20	QPSK	1	1	25.24	25.25	25.19	25.7	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	25.7	0.0	
15	QPSK	1	1	25.16	25.19	25.17	25.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	25.7	0.0	
10	QPSK	1	1	25.18	25.17	25.05	25.7	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	25.7	0.0	
5	QPSK	1	1	25.16	25.24	25.15	25.7	0.0	



n38 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.13	25.21	25.10		
40	PI/2 BPSK	1	53	24.89	25.06	25.02	25.7	0.0
40	PI/2 BPSK	1	104	24.99	25.13	25.10		
40	PI/2 BPSK	50	0	24.67	24.76	24.68	25.2	0.5
40	PI/2 BPSK	50	28	25.05	25.17	25.02	25.7	0.0
40	PI/2 BPSK	50	56	24.62	24.72	24.61		
40	PI/2 BPSK	100	0	24.59	24.76	24.69	25.2	0.5
40	QPSK	1	1	25.14	25.26	25.11		
40	QPSK	1	53	24.77	24.95	24.78	25.7	0.0
40	QPSK	1	104	24.75	24.92	24.76		
40	QPSK	50	0	23.99	24.16	23.99	24.7	1.0
40	QPSK	50	28	24.78	24.90	24.78	25.7	0.0
40	QPSK	50	56	23.71	23.81	23.63		
40	QPSK	100	0	23.74	23.85	23.75	24.7	1.0
40	16QAM	1	1	23.91	24.05	23.92	24.7	1.0
40	64QAM	1	1	22.91	22.96	22.91	23.2	2.5
40	256QAM	1	1	20.32	20.40	20.42	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	25.7	0.0
30	QPSK	1	1	24.97	25.10	25.04		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	25.7	0.0
20	QPSK	1	1	25.05	25.14	24.98		
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	25.7	0.0
15	QPSK	1	1	25.01	25.15	25.03		
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	25.7	0.0
10	QPSK	1	1	24.90	25.23	25.08		

n41 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.12	25.17	25.23		
100	PI/2 BPSK	1	137	25.23	25.24	25.25	25.7	0.0
100	PI/2 BPSK	1	271	24.76	24.84	24.84		
100	PI/2 BPSK	135	0	24.74	24.84	24.61	25.2	0.5
100	PI/2 BPSK	135	69	24.93	25.05	24.97	25.7	0.0
100	PI/2 BPSK	135	138	24.62	24.75	24.80		
100	PI/2 BPSK	270	0	24.69	24.71	24.70	25.2	0.5
100	QPSK	1	1	25.18	25.30	25.28		
100	QPSK	1	137	25.08	25.05	25.07	25.7	0.0
100	QPSK	1	271	25.25	25.16	25.08		
100	QPSK	135	0	24.16	24.15	24.21	24.7	1.0
100	QPSK	135	69	25.17	25.19	25.12	25.7	0.0
100	QPSK	135	138	23.54	23.53	23.46		
100	QPSK	270	0	23.96	24.10	24.02	24.7	1.0
100	16QAM	1	1	22.79	22.83	22.73	24.7	1.0
100	64QAM	1	1	21.67	21.69	21.76	23.2	2.5
100	256QAM	1	1	20.02	20.06	19.95	21.2	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	25.7	0.0
90	QPSK	1	1	25.22	25.23	25.25		
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	25.7	0.0
80	QPSK	1	1	25.14	25.29	25.27		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	25.7	0.0
70	QPSK	1	1	25.21	25.18	25.17		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	25.7	0.0
60	QPSK	1	1	25.12	25.26	25.28		
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	25.7	0.0
50	QPSK	1	1	25.14	25.21	25.25		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	25.7	0.0
40	QPSK	1	1	25.11	25.27	25.11		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	25.7	0.0
30	QPSK	1	1	25.17	25.27	25.29		
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	25.7	0.0
20	QPSK	1	1	25.25	25.21	25.21		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	25.7	0.0
15	QPSK	1	1	25.11	25.28	25.26		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	25.7	0.0
10	QPSK	1	1	25.24	25.25	25.09		



PC3 Part270 n77 Ant3 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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	25.18	25.24	25.20	25.7	0.0
100	PI/2 BPSK	1	137	25.12	25.23	25.22		
100	PI/2 BPSK	1	271	25.18	25.18	25.13		
100	PI/2 BPSK	135	0	25.19	25.12	25.01		
100	PI/2 BPSK	135	69	25.24	25.14	25.16	25.7	0.0
100	PI/2 BPSK	135	138	25.10	25.19	25.16	25.7	0.0
100	PI/2 BPSK	270	0	25.23	25.23	25.18		
100	QPSK	1	1	25.15	25.26	25.17	25.7	0.0
100	QPSK	1	137	25.21	25.10	25.10		
100	QPSK	1	271	25.21	25.16	25.11		
100	QPSK	135	0	25.12	25.19	25.21		
100	QPSK	135	69	25.24	25.25	25.18	25.7	0.0
100	QPSK	135	138	25.08	25.08	25.08	25.7	0.0
100	QPSK	270	0	25.08	25.10	25.09		
100	16QAM	1	1	25.10	25.01	24.98	25.7	0.0
100	64QAM	1	1	24.74	24.77	24.63	25.2	0.5
100	256QAM	1	1	22.28	22.37	22.25	23.2	2.5
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	25.25	25.16	25.22	25.7	0.0
Channel				648334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	25.14	25.03	25.24	25.7	0.0
Channel				648000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	25.04	25.19	25.25	25.7	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	25.18	25.14	25.15	25.7	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	25.09	25.25	25.23	25.7	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	25.14	25.15	25.07	25.7	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	25.21	25.25	25.18	25.7	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	25.03	25.19	25.06	25.7	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1	25.15	25.15	25.07	25.7	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	25.21	25.03	25.13	25.7	0.0



### PC3 Part27Q n77 Ant3 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)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	25.11	25.10	25.24	25.7	0.0
100	PI/2 BPSK	1	137	25.21	25.21		25.7	0.0
100	PI/2 BPSK	1	271	25.23	25.23		25.7	0.0
100	PI/2 BPSK	135	0	25.26	25.26		25.7	0.0
100	PI/2 BPSK	135	69	25.20	25.20		25.7	0.0
100	PI/2 BPSK	135	138	25.09	25.09		25.7	0.0
100	PI/2 BPSK	270	0	25.17	25.17		25.7	0.0
100	QPSK	1	1	25.31	25.31		25.7	0.0
100	QPSK	1	137	25.26	25.26		25.7	0.0
100	QPSK	1	271	25.18	25.18		25.7	0.0
100	QPSK	135	0	25.29	25.29		25.7	0.0
100	QPSK	135	69	25.23	25.23		25.7	0.0
100	QPSK	135	138	25.12	25.12		25.7	0.0
100	QPSK	270	0	25.15	25.15		25.7	0.0
100	16QAM	1	1	25.25	25.25		25.7	0.0
100	64QAM	1	1	24.89	24.89		25.2	0.5
100	256QAM	1	1	22.38	22.38		23.2	2.5
Channel				634000	634334	634668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.11	25.10	25.24	25.7	0.0
Channel				634668	634334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.18	25.09	25.25	25.7	0.0
Channel				634334	634334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.12	25.06	25.09	25.7	0.0
Channel				634000	634334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.02	25.22	25.22	25.7	0.0
Channel				634668	634334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.25	25.10	25.17	25.7	0.0
Channel				634334	634334	634334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.13	25.02	25.19	25.7	0.0
Channel				634000	634334	634668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.22	25.08	25.11	25.7	0.0
Channel				634668	634334	634000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.15	25.10	25.07	25.7	0.0
Channel				634000	634334	634668		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.21	25.05	25.07	25.7	0.0
Channel				634334	634334	634334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.12	25.14	25.19	25.7	0.0





PC3 Part270 n78 Ant3 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		24.94			
100	PI/2 BPSK	1	137		25.20		25.7	0.0
100	PI/2 BPSK	1	271		25.23			
100	PI/2 BPSK	135	0		25.03		25.7	0.0
100	PI/2 BPSK	135	69		25.07		25.7	0.0
100	PI/2 BPSK	135	138		25.08			
100	PI/2 BPSK	270	0		25.03		25.7	0.0
100	QPSK	1	1		25.25			
100	QPSK	1	137		25.18		25.7	0.0
100	QPSK	1	271		25.13			
100	QPSK	135	0		25.08		25.7	0.0
100	QPSK	135	69		25.15		25.7	0.0
100	QPSK	135	138		25.03			
100	QPSK	270	0		25.07		25.7	0.0
100	16QAM	1	1		25.09		25.7	0.0
100	64QAM	1	1		24.72		25.2	0.5
100	256QAM	1	1		22.03		23.2	2.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	25.10	25.18	25.03	25.7	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	25.21	25.19	25.08	25.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	25.03	25.16	25.18	25.7	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	25.14	25.12	25.21	25.7	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	25.14	25.07	25.07	25.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	25.08	25.22	25.10	25.7	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	25.20	25.22	25.08	25.7	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	25.16	25.23	25.20	25.7	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	25.16	25.15	25.14	25.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	25.17	25.04	25.18	25.7	0.0



PC3 Part27Q n78 Ant3 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		25.35				
100	PI/2 BPSK	1	137		25.24		25.7	0.0	
100	PI/2 BPSK	1	271		25.09				
100	PI/2 BPSK	135	0		25.43		25.7	0.0	
100	PI/2 BPSK	135	69		25.22		25.7	0.0	
100	PI/2 BPSK	135	138		25.19				
100	PI/2 BPSK	270	0		25.23		25.7	0.0	
100	QPSK	1	1		25.45				
100	QPSK	1	137		25.23		25.7	0.0	
100	QPSK	1	271		25.13				
100	QPSK	135	0		25.27		25.7	0.0	
100	QPSK	135	69		25.35		25.7	0.0	
100	QPSK	135	138		25.18				
100	QPSK	270	0		25.26		25.7	0.0	
100	16QAM	1	1		25.23		25.7	0.0	
100	64QAM	1	1		24.73		25.2	0.5	
100	256QAM	1	1		23.04		23.2	2.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.44	25.35	25.30	25.7	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.30	25.39	25.24	25.7	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.30	25.30	25.40	25.7	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.30	25.33	25.32	25.7	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.25	25.44	25.27	25.7	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.35	25.24	25.41	25.7	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.41	25.39	25.24	25.7	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.42	25.27	25.28	25.7	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.25	25.29	25.42	25.7	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.27	25.28	25.39	25.7	0.0



n7 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	18.88	18.70	18.79		
40	PI/2 BPSK	1	108	18.82	18.76	18.62	19.2	0.0
40	PI/2 BPSK	1	214	18.81	18.80	18.56		
40	PI/2 BPSK	108	0	18.87	18.88	18.57	19.2	0.0
40	PI/2 BPSK	108	54	18.83	18.79	18.59	19.2	0.0
40	PI/2 BPSK	108	108	18.68	18.81	18.71	19.2	0.0
40	PI/2 BPSK	216	0	18.80	18.71	18.66		
40	QPSK	1	1	18.66	18.90	18.77		
40	QPSK	1	108	18.89	18.88	18.73	19.2	0.0
40	QPSK	1	214	18.65	18.79	18.67		
40	QPSK	108	0	18.82	18.75	18.72	19.2	0.0
40	QPSK	108	54	18.75	18.68	18.76	19.2	0.0
40	QPSK	108	108	18.75	18.76	18.61	19.2	0.0
40	QPSK	216	0	18.84	18.66	18.59		
40	16QAM	1	1	18.73	18.78	18.73	19.2	0.0
40	64QAM	1	1	18.74	18.85	18.79	19.2	0.0
40	256QAM	1	1	18.73	18.76	18.57	19.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.89	18.69	18.64	19.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.86	18.85	18.74	19.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.70	18.75	18.64	19.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.79	18.81	18.75	19.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.66	18.68	18.71	19.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.89	18.81	18.55	19.2	0.0

n66 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.13	17.32	17.23		
40	PI/2 BPSK	1	108	17.32	17.36	17.23	17.7	0.0
40	PI/2 BPSK	1	214	17.24	17.43	17.16		
40	PI/2 BPSK	108	0	17.23	17.36	17.18	17.7	0.0
40	PI/2 BPSK	108	54	17.24	17.25	17.29	17.7	0.0
40	PI/2 BPSK	108	108	17.27	17.29	17.30	17.7	0.0
40	PI/2 BPSK	216	0	17.32	17.25	17.24		
40	QPSK	1	1	17.31	17.45	17.21		
40	QPSK	1	108	17.24	17.43	17.35	17.7	0.0
40	QPSK	1	214	17.34	17.22	17.22		
40	QPSK	108	0	17.14	17.40	17.32	17.7	0.0
40	QPSK	108	54	17.17	17.43	17.18	17.7	0.0
40	QPSK	108	108	17.20	17.40	17.22	17.7	0.0
40	QPSK	216	0	17.14	17.42	17.36		
40	16QAM	1	1	17.30	17.41	17.27	17.7	0.0
40	64QAM	1	1	17.23	17.42	17.25	17.7	0.0
40	256QAM	1	1	17.23	17.42	17.25	17.7	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	17.31	17.29	17.65	17.7	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	17.32	17.42	17.32	17.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.19	17.24	17.23	17.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.35	17.34	17.18	17.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.19	17.29	17.35	17.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.16	17.20	17.18	17.7	0.0



n38 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.01	18.08	17.92		
40	PI/2 BPSK	1	53	18.19	18.08	18.03	18.7	0.0
40	PI/2 BPSK	1	104	17.99	18.22	17.98		
40	PI/2 BPSK	50	0	18.16	18.21	17.93	18.7	0.0
40	PI/2 BPSK	50	28	18.04	18.09	18.00	18.7	0.0
40	PI/2 BPSK	50	56	18.18	18.17	18.04	18.7	0.0
40	PI/2 BPSK	100	0	18.09	18.10	18.15		
40	QPSK	1	1	18.09	18.24	18.14		
40	QPSK	1	53	18.20	18.01	17.98	18.7	0.0
40	QPSK	1	104	18.04	18.08	18.00		
40	QPSK	50	0	18.13	18.21	17.94	18.7	0.0
40	QPSK	50	28	18.12	18.22	18.03	18.7	0.0
40	QPSK	50	56	18.18	18.15	17.97	18.7	0.0
40	QPSK	100	0	18.03	18.20	18.00		
40	16QAM	1	1	18.19	18.18	18.06	18.7	0.0
40	64QAM	1	1	18.20	18.19	17.98	18.7	0.0
40	256QAM	1	1	18.00	18.00	17.97	18.7	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.01	18.12	17.95	18.7	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	17.90	18.15	17.93	18.7	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.00	18.10	18.15	18.7	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.20	18.07	18.02	18.7	0.0

n41 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.34	18.22	18.04		
100	PI/2 BPSK	1	137	18.25	18.37	18.09	18.7	0.0
100	PI/2 BPSK	1	271	18.25	18.30	18.16		
100	PI/2 BPSK	135	0	18.32	18.44	18.15	18.7	0.0
100	PI/2 BPSK	135	69	18.25	18.24	18.13	18.7	0.0
100	PI/2 BPSK	135	138	18.25	18.33	18.22		
100	PI/2 BPSK	270	0	18.34	18.41	18.05	18.7	0.0
100	QPSK	1	1	18.36	18.45	18.10		
100	QPSK	1	137	18.36	18.43	18.23	18.7	0.0
100	QPSK	1	271	18.35	18.42	18.23		
100	QPSK	135	0	18.20	18.37	18.11	18.7	0.0
100	QPSK	135	69	18.28	18.40	18.23	18.7	0.0
100	QPSK	135	138	18.35	18.27	18.19	18.7	0.0
100	QPSK	270	0	18.30	18.38	18.11		
100	16QAM	1	1	18.22	18.27	18.07	18.7	0.0
100	64QAM	1	1	18.23	18.29	18.19	18.7	0.0
100	256QAM	1	1	17.01	16.96	16.87	18.2	0.5
Channel				509200	518598	528096		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.22	18.28	18.21	18.7	0.0
Channel				507204	518598	528096		
Frequency (MHz)				2536.02	2592.99	2640.99		
80	QPSK	1	1	18.38	18.28	18.19	18.7	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.19	18.22	18.05	18.7	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.28	18.41	18.10	18.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.41	18.23	18.12	18.7	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.40	18.25	18.13	18.7	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.28	18.40	18.10	18.7	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.29	18.26	18.06	18.7	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.22	18.26	18.24	18.7	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.31	18.28	18.18	18.7	0.0



n7 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	17.20	17.13	17.18		
40	PI/2 BPSK	1	108	17.31	17.32	17.20	17.7	0.0
40	PI/2 BPSK	1	214	17.22	17.29	17.23		
40	PI/2 BPSK	108	0	17.10	17.22	17.27	17.7	0.0
40	PI/2 BPSK	108	54	17.28	17.19	17.30	17.7	0.0
40	PI/2 BPSK	108	108	17.19	17.30	17.21		
40	PI/2 BPSK	216	0	17.23	17.21	17.28	17.7	0.0
40	QPSK	1	1	17.26	17.40	17.19		
40	QPSK	1	108	17.16	17.25	17.18	17.7	0.0
40	QPSK	1	214	17.18	17.20	17.09		
40	QPSK	108	0	17.26	17.12	17.11	17.7	0.0
40	QPSK	108	54	17.19	17.32	17.16	17.7	0.0
40	QPSK	108	108	17.28	17.10	17.11		
40	QPSK	216	0	17.20	17.30	17.08	17.7	0.0
40	16QAM	1	1	17.24	17.24	17.22	17.7	0.0
40	64QAM	1	1	17.19	17.19	17.10	17.7	0.0
40	256QAM	1	1	17.33	17.24	17.30	17.7	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	17.17	17.13	17.24	17.7	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	17.19	17.13	17.24	17.7	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	17.32	17.16	17.19	17.7	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	17.21	17.32	17.09	17.7	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	17.27	17.32	17.19	17.7	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	17.29	17.29	17.28	17.7	0.0

n66 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.97	20.83	20.63		
40	PI/2 BPSK	1	108	20.83	20.85	20.67	21.5	0.0
40	PI/2 BPSK	1	214	20.95	21.00	20.70		
40	PI/2 BPSK	108	0	21.00	20.96	20.82	21.5	0.0
40	PI/2 BPSK	108	54	20.91	20.86	20.63	21.5	0.0
40	PI/2 BPSK	108	108	20.94	20.94	20.83		
40	PI/2 BPSK	216	0	20.92	20.95	20.67	21.5	0.0
40	QPSK	1	1	21.02	21.05	20.82		
40	QPSK	1	108	20.94	20.85	20.70	21.5	0.0
40	QPSK	1	214	20.83	20.93	20.76		
40	QPSK	108	0	20.97	20.91	20.83	21.5	0.0
40	QPSK	108	54	20.98	21.00	20.65	21.5	0.0
40	QPSK	108	108	20.88	20.90	20.83		
40	QPSK	216	0	20.88	20.98	20.80	21.5	0.0
40	16QAM	1	1	20.80	21.02	20.75	21.5	0.0
40	64QAM	1	1	20.85	20.92	20.80	21.5	0.0
40	256QAM	1	1	20.45	20.56	20.34	21.0	0.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	20.89	20.94	20.68	21.5	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	20.88	20.88	20.67	21.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	20.88	20.87	20.69	21.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	20.80	20.95	20.80	21.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	20.99	21.04	20.70	21.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	20.83	20.95	20.75	21.5	0.0



n38 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.16	18.26	18.06		
40	PI/2 BPSK	1	53	18.15	18.23	18.05	18.7	0.0
40	PI/2 BPSK	1	104	18.12	18.26	18.08		
40	PI/2 BPSK	50	0	18.04	18.30	18.22	18.7	0.0
40	PI/2 BPSK	50	28	18.01	18.11	18.10	18.7	0.0
40	PI/2 BPSK	50	56	18.00	18.30	18.10		
40	PI/2 BPSK	100	0	18.17	18.18	18.14	18.7	0.0
40	QPSK	1	1	18.05	18.40	18.20		
40	QPSK	1	53	18.05	18.18	18.20	18.7	0.0
40	QPSK	1	104	17.97	18.31	18.04		
40	QPSK	50	0	18.11	18.25	18.06	18.7	0.0
40	QPSK	50	28	18.06	18.30	18.06	18.7	0.0
40	QPSK	50	56	18.13	18.26	18.05	18.7	0.0
40	QPSK	100	0	17.95	18.14	18.13		
40	16QAM	1	1	17.99	18.20	18.24	18.7	0.0
40	64QAM	1	1	17.97	18.13	18.21	18.7	0.0
40	256QAM	1	1	18.00	18.13	18.13	18.7	0.0
Channel				517002	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	18.05	18.20	18.20	18.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	18.05	18.15	18.16	18.7	0.0
Channel				515502	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)
15	QPSK	1	1	18.04	18.14	18.17	18.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	18.11	18.13	18.22	18.7	0.0

n41 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.20	18.32	18.17		
100	PI/2 BPSK	1	137	18.31	18.43	18.23	18.7	0.0
100	PI/2 BPSK	1	271	18.37	18.24	18.25		
100	PI/2 BPSK	135	0	18.17	18.32	18.09	18.7	0.0
100	PI/2 BPSK	135	69	18.29	18.37	18.08	18.7	0.0
100	PI/2 BPSK	135	138	18.30	18.42	18.26		
100	PI/2 BPSK	270	0	18.26	18.27	18.11	18.7	0.0
100	QPSK	1	1	18.20	18.46	18.15		
100	QPSK	1	137	18.18	18.38	18.27	18.7	0.0
100	QPSK	1	271	18.28	18.35	18.12		
100	QPSK	135	0	18.29	18.31	18.26	18.7	0.0
100	QPSK	135	69	18.15	18.38	18.19	18.7	0.0
100	QPSK	135	138	18.20	18.37	18.17		
100	QPSK	270	0	18.17	18.35	18.28	18.7	0.0
100	16QAM	1	1	18.22	18.45	18.28	18.7	0.0
100	64QAM	1	1	18.38	18.45	18.13	18.7	0.0
100	256QAM	1	1	18.25	18.24	18.18	18.7	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	18.24	18.44	18.08	18.7	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	18.32	18.41	18.08	18.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	18.37	18.30	18.20	18.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	18.19	18.45	18.14	18.7	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	18.38	18.24	18.16	18.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	18.17	18.29	18.07	18.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	18.28	18.34	18.23	18.7	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	18.15	18.33	18.09	18.7	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	18.27	18.45	18.27	18.7	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	18.32	18.34	18.14	18.7	0.0



n7 Ant6 DSI1								
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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	17.67	17.88	17.77	18.7	0.0
40	PI/2 BPSK	1	108	17.66	17.75	17.79		
40	PI/2 BPSK	1	214	17.65	17.88	17.77		
40	PI/2 BPSK	108	0	17.70	17.79	17.87		
40	PI/2 BPSK	108	54	17.71	17.92	17.83		
40	PI/2 BPSK	108	108	17.77	17.70	17.67		
40	PI/2 BPSK	216	0	17.67	17.89	17.70		
40	QPSK	1	1	17.66	17.93	17.68		
40	QPSK	1	108	17.74	17.68	17.74		
40	QPSK	1	214	17.70	17.77	17.76		
40	QPSK	108	0	17.73	17.72	17.68	18.7	0.0
40	QPSK	108	54	17.62	17.90	17.87	18.7	0.0
40	QPSK	108	108	17.66	17.72	17.80	18.7	0.0
40	QPSK	216	0	17.73	17.84	17.79	18.7	0.0
40	16QAM	1	1	17.68	17.84	17.76	18.7	0.0
40	64QAM	1	1	17.74	17.74	17.79	18.7	0.0
40	256QAM	1	1	17.76	17.86	17.81	18.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	18.7	0.0
30	QPSK	1	1	17.71	17.77	17.71		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	18.7	0.0
25	QPSK	1	1	17.63	17.89	17.69		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	18.7	0.0
20	QPSK	1	1	17.72	17.81	17.77		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	18.7	0.0
15	QPSK	1	1	17.72	17.81	17.88		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	18.7	0.0
10	QPSK	1	1	17.64	17.69	17.84		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	18.7	0.0
5	QPSK	1	1	17.66	17.72	17.77		

n66 Ant6 DSI1								
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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.45	17.30	17.25	18.5	0.0
40	PI/2 BPSK	1	108	17.24	17.47	17.19		
40	PI/2 BPSK	1	214	17.38	17.24	17.13		
40	PI/2 BPSK	108	0	17.26	17.43	17.22		
40	PI/2 BPSK	108	54	17.46	17.43	17.15		
40	PI/2 BPSK	108	108	17.23	17.26	17.21		
40	PI/2 BPSK	216	0	17.25	17.37	17.05		
40	QPSK	1	1	17.44	17.50	17.07		
40	QPSK	1	108	17.35	17.32	17.23		
40	QPSK	1	214	17.34	17.31	17.15		
40	QPSK	108	0	17.36	17.23	17.11	18.5	0.0
40	QPSK	108	54	17.32	17.47	17.24	18.5	0.0
40	QPSK	108	108	17.43	17.30	17.20	18.5	0.0
40	QPSK	216	0	17.27	17.44	17.10	18.5	0.0
40	16QAM	1	1	17.30	17.31	17.04	18.5	0.0
40	64QAM	1	1	17.34	17.38	17.19	18.5	0.0
40	256QAM	1	1	17.41	17.24	17.20	18.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	18.5	0.0
30	QPSK	1	1	17.33	17.38	17.10		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	18.5	0.0
25	QPSK	1	1	17.43	17.38	17.10		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	18.5	0.0
20	QPSK	1	1	17.30	17.27	17.01		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	18.5	0.0
15	QPSK	1	1	17.42	17.30	17.02		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	18.5	0.0
10	QPSK	1	1	17.41	17.40	17.18		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	18.5	0.0
5	QPSK	1	1	17.24	17.42	17.14		



n38 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.01	17.32	17.27		
40	PI/2 BPSK	1	53	17.03	17.13	17.28	18.7	0.0
40	PI/2 BPSK	1	104	17.08	17.09	17.24		
40	PI/2 BPSK	50	0	17.18	17.18	17.18	18.7	0.0
40	PI/2 BPSK	50	28	17.07	17.30	17.21	18.7	0.0
40	PI/2 BPSK	50	56	17.06	17.21	17.15		
40	PI/2 BPSK	100	0	17.19	17.24	17.10	18.7	0.0
40	QPSK	1	1	17.09	17.35	17.30		
40	QPSK	1	53	17.16	17.12	17.27	18.7	0.0
40	QPSK	1	104	17.11	17.16	17.25		
40	QPSK	50	0	17.07	17.23	17.10	18.7	0.0
40	QPSK	50	28	17.13	17.30	17.25	18.7	0.0
40	QPSK	50	56	17.00	17.21	17.17		
40	QPSK	100	0	17.19	17.26	17.25	18.7	0.0
40	16QAM	1	1	17.12	17.09	17.28	18.7	0.0
40	64QAM	1	1	17.07	17.30	17.08	18.7	0.0
40	256QAM	1	1	17.17	17.12	17.25	18.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	18.7	0.0
30	QPSK	1	1	17.18	17.25	17.12	18.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	18.7	0.0
20	QPSK	1	1	17.14	17.23	17.10	18.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	18.7	0.0
15	QPSK	1	1	17.11	17.26	17.14	18.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	18.7	0.0
10	QPSK	1	1	17.19	17.14	17.09	18.7	0.0

n41 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.11	18.15	17.97		
100	PI/2 BPSK	1	137	18.06	18.28	18.15	19.7	0.0
100	PI/2 BPSK	1	271	18.06	18.14	17.97		
100	PI/2 BPSK	135	0	18.17	18.13	18.02	19.7	0.0
100	PI/2 BPSK	135	69	18.05	18.27	17.96	19.7	0.0
100	PI/2 BPSK	135	138	18.02	18.20	18.09		
100	PI/2 BPSK	270	0	18.14	18.23	18.00	19.7	0.0
100	QPSK	1	1	18.12	18.32	18.02		
100	QPSK	1	137	18.15	18.31	18.11	19.7	0.0
100	QPSK	1	271	18.08	18.21	17.99		
100	QPSK	135	0	18.02	18.24	18.01	19.7	0.0
100	QPSK	135	69	18.20	18.26	18.04	19.7	0.0
100	QPSK	135	138	18.01	18.24	17.93		
100	QPSK	270	0	17.99	18.25	18.05	19.7	0.0
100	16QAM	1	1	18.05	18.25	18.15	19.7	0.0
100	64QAM	1	1	18.02	18.10	18.04	19.7	0.0
100	256QAM	1	1	18.08	18.31	17.99	19.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	18.7	0.0
90	QPSK	1	1	18.04	18.18	18.05	19.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	18.7	0.0
80	QPSK	1	1	18.16	18.12	17.99	19.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	18.7	0.0
70	QPSK	1	1	18.10	18.23	18.02	19.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	18.7	0.0
60	QPSK	1	1	18.13	18.12	18.05	19.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	18.7	0.0
50	QPSK	1	1	18.09	18.16	18.16	19.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	18.7	0.0
40	QPSK	1	1	18.22	18.25	18.13	19.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	18.7	0.0
30	QPSK	1	1	18.13	18.18	18.16	19.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	18.7	0.0
20	QPSK	1	1	18.15	18.29	18.02	19.7	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	18.7	0.0
15	QPSK	1	1	18.23	18.18	18.08	19.7	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	18.7	0.0
10	QPSK	1	1	18.09	18.13	18.01	19.7	0.0





### PC3 Part270 n77 Ant10 DSI1

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel	650000	650000	662000					
Frequency (MHz)	3750	3840	3930					
100	PI/2 BPSK	1	1	15.22	15.33	15.18		
100	PI/2 BPSK	1	137	15.09	15.17	15.23	15.7	0.0
100	PI/2 BPSK	1	271	15.06	15.33	15.06		
100	PI/2 BPSK	135	0	15.08	15.26	15.08	15.7	0.0
100	PI/2 BPSK	135	69	15.21	15.30	15.13	15.7	0.0
100	PI/2 BPSK	135	138	15.22	15.29	15.06	15.7	0.0
100	PI/2 BPSK	270	0	15.15	15.30	15.12		
100	QPSK	1	1	15.04	15.34	15.06		
100	QPSK	1	137	15.20	15.30	15.24	15.7	0.0
100	QPSK	1	271	15.01	15.27	15.10		
100	QPSK	135	0	15.17	15.15	15.24	15.7	0.0
100	QPSK	135	69	15.01	15.30	15.08	15.7	0.0
100	QPSK	135	138	15.11	15.28	15.18	15.7	0.0
100	QPSK	270	0	15.04	15.29	15.02		
100	16QAM	1	1	15.03	15.27	15.01	15.7	0.0
100	64QAM	1	1	15.02	15.13	15.24	15.7	0.0
100	256QAM	1	1	15.00	15.11	15.02	15.7	0.0
Channel	648668	650000	662334					
Frequency (MHz)	3745.02	3840	3935.01					
90	QPSK	1	1	15.07	15.29	15.03	15.7	0.0
Channel	648334	650000	662868					
Frequency (MHz)	3740.01	3840	3940.02					
80	QPSK	1	1	15.15	15.29	15.14	15.7	0.0
Channel	648000	650000	663000					
Frequency (MHz)	3735	3840	3945					
70	QPSK	1	1	15.08	15.19	15.12	15.7	0.0
Channel	648668	650000	663334					
Frequency (MHz)	3730.02	3840	3950.01					
60	QPSK	1	1	15.01	15.33	15.24	15.7	0.0
Channel	648334	650000	663868					
Frequency (MHz)	3725.01	3840	3955.02					
50	QPSK	1	1	15.02	15.25	15.02	15.7	0.0
Channel	648000	650000	664000					
Frequency (MHz)	3720	3840	3960					
40	QPSK	1	1	15.12	15.13	15.18	15.7	0.0
Channel	647668	650000	664334					
Frequency (MHz)	3715.02	3840	3965.01					
30	QPSK	1	1	15.22	15.22	15.09	15.7	0.0
Channel	647334	650000	664868					
Frequency (MHz)	3710.01	3840	3970.02					
20	QPSK	1	1	15.09	15.33	15.15	15.7	0.0
Channel	647168	650000	664834					
Frequency (MHz)	3707.52	3840	3972.61					
15	QPSK	1	1	15.14	15.31	15.04	15.7	0.0
Channel	647000	650000	665000					
Frequency (MHz)	3705	3840	3975					
10	QPSK	1	1	15.04	15.32	15.19	15.7	0.0



PC3 Part27Q n77 Ant10 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.31				
100	PI/2 BPSK	1	137		15.37		15.7	0.0	
100	PI/2 BPSK	1	271		15.38				
100	PI/2 BPSK	135	0		15.31		15.7	0.0	
100	PI/2 BPSK	135	69		15.47		15.7	0.0	
100	PI/2 BPSK	135	138		15.36				
100	PI/2 BPSK	270	0		15.29		15.7	0.0	
100	QPSK	1	1		15.55				
100	QPSK	1	137		15.42		15.7	0.0	
100	QPSK	1	271		15.31				
100	QPSK	135	0		15.15		15.7	0.0	
100	QPSK	135	69		15.52		15.7	0.0	
100	QPSK	135	138		15.36				
100	QPSK	270	0		15.51		15.7	0.0	
100	16QAM	1	1		15.44		15.7	0.0	
100	64QAM	1	1		15.28		15.7	0.0	
100	256QAM	1	1		15.30		15.7	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		15.38	15.25	15.23	15.7	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		15.30	15.46	15.27	15.7	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		15.23	15.40	15.44	15.7	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		15.43	15.46	15.34	15.7	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		15.28	15.32	15.24	15.7	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		15.32	15.45	15.29	15.7	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		15.28	15.35	15.40	15.7	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		15.44	15.35	15.44	15.7	0.0
Channel				630500	633334	636168			
Frequency (MHz)				3467.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		15.36	15.24	15.30	15.7	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		15.41	15.31	15.44	15.7	0.0



PC3 Part270 n78 Ant10 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		14.68			
100	PI/2 BPSK	1	137		14.63		15.2	0.0
100	PI/2 BPSK	1	271		14.69			
100	PI/2 BPSK	135	0		14.58		15.2	0.0
100	PI/2 BPSK	135	69		14.53		15.2	0.0
100	PI/2 BPSK	135	138		14.51			
100	PI/2 BPSK	270	0		14.59		15.2	0.0
100	QPSK	1	1		14.70			
100	QPSK	1	137		14.65		15.2	0.0
100	QPSK	1	271		14.50			
100	QPSK	135	0		14.51		15.2	0.0
100	QPSK	135	69		14.54		15.2	0.0
100	QPSK	135	138		14.50			
100	QPSK	270	0		14.52		15.2	0.0
100	16QAM	1	1		14.60		15.2	0.0
100	64QAM	1	1		14.66		15.2	0.0
100	256QAM	1	1		14.68		15.2	0.0
Channel				646668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		14.61	14.45	15.2	
Channel				646334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		14.62	14.59	14.43	15.2
Channel				646000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		14.61	14.53	14.61	15.2
Channel				646668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		14.60	14.40	14.55	15.2
Channel				646334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		14.47	14.50	14.49	15.2
Channel				646000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		14.48	14.40	14.45	15.2
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		14.59	14.51	14.60	15.2
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		14.55	14.41	14.52	15.2
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.61		
15	QPSK	1	1		14.57	14.45	14.60	15.2
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		14.55	14.43	14.60	15.2



PC3 Part27Q n78 Ant10 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.92			
100	PI/2 BPSK	1	137		14.90		15.2	0.0
100	PI/2 BPSK	1	271		15.00			
100	PI/2 BPSK	135	0		14.74		15.2	0.0
100	PI/2 BPSK	135	69		14.85		15.2	0.0
100	PI/2 BPSK	135	138		14.61			
100	PI/2 BPSK	270	0		14.70		15.2	0.0
100	QPSK	1	1		15.01			
100	QPSK	1	137		14.91		15.2	0.0
100	QPSK	1	271		14.59			
100	QPSK	135	0		14.61		15.2	0.0
100	QPSK	135	69		14.77		15.2	0.0
100	QPSK	135	138		14.61		15.2	0.0
100	QPSK	270	0		14.68			
100	16QAM	1	1		14.85		15.2	0.0
100	64QAM	1	1		14.86		15.2	0.0
100	256QAM	1	1		14.96		15.2	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	14.77	14.69	14.90	15.2	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	14.78	14.70	14.87	15.2	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	14.70	14.85	14.70	15.2	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	14.72	14.69	14.84	15.2	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	14.79	14.77	14.74	15.2	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	14.90	14.85	14.86	15.2	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	14.91	14.92	14.87	15.2	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	14.80	14.86	14.79	15.2	0.0
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	14.81	14.76	14.76	15.2	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	14.87	14.92	14.83	15.2	0.0



### PC3 Part27O n77 Ant13 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.20	22.25	22.16		
100	PI/2 BPSK	1	137	22.16	22.19	22.10	22.7	0.0
100	PI/2 BPSK	1	271	22.15	22.15	22.02		
100	PI/2 BPSK	135	0	22.19	22.15	22.01	22.7	0.0
100	PI/2 BPSK	135	69	22.24	22.28	22.04	22.7	0.0
100	PI/2 BPSK	135	138	22.13	22.29	22.06		
100	PI/2 BPSK	270	0	22.10	22.35	22.04	22.7	0.0
100	QPSK	1	1	22.22	22.36	22.10		
100	QPSK	1	137	22.15	22.34	22.01	22.7	0.0
100	QPSK	1	271	22.11	22.30	22.16		
100	QPSK	135	0	22.15	22.31	22.19	22.7	0.0
100	QPSK	135	69	22.09	22.32	22.19	22.7	0.0
100	QPSK	135	138	22.23	22.17	22.11		
100	QPSK	270	0	22.21	22.30	22.04	22.7	0.0
100	16QAM	1	1	22.17	22.31	22.04	22.7	0.0
100	64QAM	1	1	22.11	22.30	22.10	22.7	0.0
100	256QAM	1	1	22.27	22.29	22.18	22.7	0.0
Channel				648668	658000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.25	22.27	22.13	22.7	0.0
Channel				648334	658000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.21	22.22	22.04	22.7	0.0
Channel				648000	658000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.12	22.24	21.97	22.7	0.0
Channel				648668	658000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.29	22.22	22.07	22.7	0.0
Channel				648334	658000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.19	22.14	22.01	22.7	0.0
Channel				648000	658000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.23	22.16	22.04	22.7	0.0
Channel				647668	658000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.11	22.24	22.21	22.7	0.0
Channel				647334	658000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.08	22.12	22.15	22.7	0.0
Channel				647168	658000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	22.05	22.11	22.04	22.7	0.0
Channel				647000	658000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.21	22.29	22.01	22.7	0.0



PC3 Part27Q n77 Ant13 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.09				
100	PI/2 BPSK	1	137		22.19		22.7	0.0	
100	PI/2 BPSK	1	271		22.14				
100	PI/2 BPSK	135	0		22.14		22.7	0.0	
100	PI/2 BPSK	135	69		22.28		22.7	0.0	
100	PI/2 BPSK	135	138		22.28				
100	PI/2 BPSK	270	0		22.24		22.7	0.0	
100	QPSK	1	1		22.34				
100	QPSK	1	137		22.33		22.7	0.0	
100	QPSK	1	271		22.09				
100	QPSK	135	0		22.28		22.7	0.0	
100	QPSK	135	69		22.30		22.7	0.0	
100	QPSK	135	138		22.14				
100	QPSK	270	0		22.28		22.7	0.0	
100	16QAM	1	1		22.25		22.7	0.0	
100	64QAM	1	1		22.19		22.7	0.0	
100	256QAM	1	1		22.19		22.7	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		22.05	22.22	22.09	22.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		22.13	22.04	22.11	22.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		22.25	22.28	22.09	22.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		22.09	22.13	22.16	22.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		22.16	22.14	22.05	22.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		22.19	22.19	22.10	22.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		22.11	22.24	22.02	22.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		22.06	22.08	22.25	22.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		22.13	22.10	22.09	22.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		22.21	22.02	22.26	22.7	0.0



PC3 Part270 n78 Ant13 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	23.77	23.67		24.7	0.0
100	PI/2 BPSK	1	137	23.67	23.79			
100	PI/2 BPSK	1	271	23.79	23.60		24.7	0.0
100	PI/2 BPSK	135	0	23.60	23.57		24.7	0.0
100	PI/2 BPSK	135	69	23.57	23.69			
100	PI/2 BPSK	135	138	23.69	23.66		24.7	0.0
100	PI/2 BPSK	270	0	23.66	23.83			
100	QPSK	1	1	23.83	23.69		24.7	0.0
100	QPSK	1	137	23.69	23.78			
100	QPSK	1	271	23.78	23.68		24.7	0.0
100	QPSK	135	0	23.68	23.75		24.7	0.0
100	QPSK	135	69	23.75	23.64		24.7	0.0
100	QPSK	135	138	23.64	23.71		24.7	0.0
100	QPSK	270	0	23.71	23.79		24.7	0.0
100	16QAM	1	1	23.79	23.66		24.2	0.5
100	64QAM	1	1	23.66	21.28		22.2	2.5
100	256QAM	1	1	21.28				
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	23.69	23.72	23.73	24.7	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	23.70	23.81	23.80	24.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	23.76	23.66	23.70	24.7	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	23.68	23.74	23.73	24.7	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	23.68	23.78	23.71	24.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	23.75	23.73	23.70	24.7	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	23.71	23.76	23.68	24.7	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	23.69	23.73	23.69	24.7	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	23.79	23.69	23.70	24.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	23.78	23.67	23.69	24.7	0.0



**PC3 Part27Q n78 Ant13 DSI1**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		24.19				
100	PI/2 BPSK	1	137		24.11		24.7	0.0	
100	PI/2 BPSK	1	271		24.11				
100	PI/2 BPSK	135	0		24.00		24.7	0.0	
100	PI/2 BPSK	135	69		23.88		24.7	0.0	
100	PI/2 BPSK	135	138		24.12				
100	PI/2 BPSK	270	0		24.01		24.7	0.0	
100	QPSK	1	1		24.23				
100	QPSK	1	137		24.03		24.7	0.0	
100	QPSK	1	271		24.19				
100	QPSK	135	0		24.03		24.7	0.0	
100	QPSK	135	69		24.20		24.7	0.0	
100	QPSK	135	138		24.07		24.7	0.0	
100	QPSK	270	0		24.13				
100	16QAM	1	1		24.22		24.7	0.0	
100	64QAM	1	1		23.72		24.2	0.5	
100	256QAM	1	1		21.30		22.2	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		24.18	24.17	24.27	24.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		24.19	24.16	24.13	24.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		24.14	24.25	24.15	24.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		24.23	24.26	24.22	24.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		24.23	24.27	24.17	24.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		24.14	24.13	24.23	24.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		24.24	24.14	24.15	24.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		24.16	24.24	24.15	24.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		24.14	24.12	24.20	24.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		24.25	24.22	24.19	24.7	0.0





PC2 Part270 n77 Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.33	22.54	22.10	24.0	0.0
100	PI/2 BPSK	1	137	22.34	22.35	22.14		
100	PI/2 BPSK	1	271	22.26	22.51	22.30		
100	PI/2 BPSK	135	0	22.21	22.38	22.15	24.0	0.0
100	PI/2 BPSK	135	69	22.37	22.47	22.20	24.0	0.0
100	PI/2 BPSK	135	138	22.28	22.46	22.20	24.0	0.0
100	PI/2 BPSK	270	0	22.36	22.43	22.12		
100	QPSK	1	1	22.16	22.55	22.11		
100	QPSK	1	137	22.27	22.45	22.27	24.0	0.0
100	QPSK	1	271	22.25	22.37	22.31		
100	QPSK	135	0	22.22	22.36	22.20		
100	QPSK	135	69	22.17	22.43	22.30	24.0	0.0
100	QPSK	135	138	22.18	22.18	22.21	24.0	0.0
100	QPSK	270	0	22.21	22.41	22.17		
100	16QAM	1	1	22.22	22.54	22.26		
100	64QAM	1	1	22.38	22.52	22.15	24.0	0.0
100	256QAM	1	1	22.28	22.36	22.19	24.0	0.0
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	22.22	22.54	22.23	24.0	0.0
Channel				648334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	22.26	22.51	22.25	24.0	0.0
Channel				648000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	22.23	22.53	22.21	24.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	22.25	22.43	22.27	24.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	22.17	22.43	22.15	24.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.22	22.33	22.13	24.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	22.16	22.44	22.17	24.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	22.28	22.43	22.21	24.0	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1	22.36	22.54	22.23	24.0	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	22.29	22.40	22.16	24.0	0.0



PC2 Part27Q n77 Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.14			
100	PI/2 BPSK	1	137		22.91		24.0	0.0
100	PI/2 BPSK	1	271		23.12			
100	PI/2 BPSK	135	0		23.07		24.0	0.0
100	PI/2 BPSK	135	69		23.09		24.0	0.0
100	PI/2 BPSK	135	138		23.13			
100	PI/2 BPSK	270	0		23.06		24.0	0.0
100	QPSK	1	1		23.16			
100	QPSK	1	137		23.09		24.0	0.0
100	QPSK	1	271		23.03			
100	QPSK	135	0		23.09		24.0	0.0
100	QPSK	135	69		23.12		24.0	0.0
100	QPSK	135	138		22.73		24.0	0.0
100	QPSK	270	0		23.02			
100	16QAM	1	1		23.09		24.0	0.0
100	64QAM	1	1		23.13		24.0	0.0
100	256QAM	1	1		22.97		24.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.11	23.12	23.00	24.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.02	23.16	23.12	24.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.16	23.00	23.04	24.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.12	23.17	23.02	24.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.06	23.09	23.16	24.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.98	23.06	23.15	24.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.17	23.17	23.13	24.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.14	23.12	23.02	24.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.07	23.09	23.16	24.0	0.0
Channel				630000	633334	636668		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.11	23.14	23.01	24.0	0.0



### PC2 Part270 n78 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.36		24.0	0.0	
100	PI/2 BPSK	1	137		22.37				
100	PI/2 BPSK	1	271		22.48				
100	PI/2 BPSK	135	0		22.47		24.0	0.0	
100	PI/2 BPSK	135	69		22.35		24.0	0.0	
100	PI/2 BPSK	135	138		22.46		24.0	0.0	
100	PI/2 BPSK	270	0		22.30				
100	QPSK	1	1		22.52		24.0	0.0	
100	QPSK	1	137		22.35				
100	QPSK	1	271		22.51				
100	QPSK	135	0		22.41		24.0	0.0	
100	QPSK	135	69		22.48		24.0	0.0	
100	QPSK	135	138		22.29		24.0	0.0	
100	QPSK	270	0		22.41				
100	16QAM	1	1		22.37		24.0	0.0	
100	64QAM	1	1		22.36		24.0	0.0	
100	256QAM	1	1		22.34		24.0	0.0	
Channel				648668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		22.35	22.31	24.0	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		22.38	22.32	22.34	24.0	0.0
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		22.29	22.25	22.40	24.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		22.34	22.29	22.30	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		22.29	22.29	22.22	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		22.33	22.43	22.39	24.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		22.38	22.21	22.39	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		22.36	22.33	22.30	24.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.61	(dBm)	(dB)	
15	QPSK	1	1		22.37	22.27	22.22	24.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		22.21	22.21	22.30	24.0	0.0



### PC2 Part27Q n78 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.80				
100	PI/2 BPSK	1	137		22.68		24.0	0.0	
100	PI/2 BPSK	1	271		22.94				
100	PI/2 BPSK	135	0		22.77		24.0	0.0	
100	PI/2 BPSK	135	69		22.62		24.0	0.0	
100	PI/2 BPSK	135	138		22.90				
100	PI/2 BPSK	270	0		22.76		24.0	0.0	
100	QPSK	1	1		23.02				
100	QPSK	1	137		22.79		24.0	0.0	
100	QPSK	1	271		23.01				
100	QPSK	135	0		22.77		24.0	0.0	
100	QPSK	135	69		22.99		24.0	0.0	
100	QPSK	135	138		22.80		24.0	0.0	
100	QPSK	270	0		22.82				
100	16QAM	1	1		22.84		24.0	0.0	
100	64QAM	1	1		22.80		24.0	0.0	
100	256QAM	1	1		22.71		24.0	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.85	22.80	22.83	24.0	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.84	22.72	22.91	24.0	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.81	22.85	22.82	24.0	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.84	22.85	22.89	24.0	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.75	22.88	22.87	24.0	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.79	22.87	22.79	24.0	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.78	22.78	22.91	24.0	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.78	22.78	22.89	24.0	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.82	22.76	22.70	24.0	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.91	22.89	22.78	24.0	0.0



### PC2 Part270 n77 Ant3 Default

Channel	BW [MHz]	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	662000		
Frequency (MHz)					3750	3840	3930		
100	PI/2 BPSK	1	1		26.16	26.28	26.09		
100	PI/2 BPSK	1	137		26.16	26.23	26.19	27.0	0.0
100	PI/2 BPSK	1	271		26.03	26.17	25.96		
100	PI/2 BPSK	135	0		26.05	26.13	26.10	27.0	0.0
100	PI/2 BPSK	135	69		26.12	26.30	26.29	27.0	0.0
100	PI/2 BPSK	135	138		26.06	26.10	26.06	27.0	0.0
100	PI/2 BPSK	270	0		26.20	26.24	26.12		
100	QPSK	1	1		26.15	26.32	26.28		
100	QPSK	1	137		26.06	26.25	26.14	27.0	0.0
100	QPSK	1	271		26.14	26.18	25.99		
100	QPSK	135	0		26.09	26.07	26.05	27.0	0.0
100	QPSK	135	69		26.00	26.16	26.07	27.0	0.0
100	QPSK	135	138		26.05	26.09	26.00	27.0	0.0
100	QPSK	270	0		26.03	26.13	25.98		
100	16QAM	1	1		26.17	26.23	26.07	27.0	0.0
100	64QAM	1	1		24.73	24.79	24.63	25.5	1.5
100	256QAM	1	1		22.51	22.66	22.48	23.5	3.5
Channel					648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)					3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1		26.21	26.23	26.15	27.0	0.0
Channel					648334	650000	662668	Tune-up limit	MPR
Frequency (MHz)					3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1		26.28	26.21	26.15	27.0	0.0
Channel					648000	650000	663000	Tune-up limit	MPR
Frequency (MHz)					3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1		26.21	26.29	26.25	27.0	0.0
Channel					648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)					3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1		26.25	26.19	26.21	27.0	0.0
Channel					648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)					3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1		26.27	26.18	26.19	27.0	0.0
Channel					648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)					3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1		26.23	26.16	26.16	27.0	0.0
Channel					647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)					3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1		26.15	26.22	26.25	27.0	0.0
Channel					647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)					3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1		26.19	26.26	26.28	27.0	0.0
Channel					647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)					3707.52	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1		26.24	26.20	26.21	27.0	0.0
Channel					647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)					3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1		26.25	26.23	26.15	27.0	0.0



PC2 Part27Q n77 Ant3 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		26.20				
100	PI/2 BPSK	1	137		26.19		27.0	0.0	
100	PI/2 BPSK	1	271		26.18				
100	PI/2 BPSK	135	0		26.05		27.0	0.0	
100	PI/2 BPSK	135	69		26.21		27.0	0.0	
100	PI/2 BPSK	135	138		26.09				
100	PI/2 BPSK	270	0		26.23		27.0	0.0	
100	QPSK	1	1		26.26				
100	QPSK	1	137		26.22		27.0	0.0	
100	QPSK	1	271		26.13				
100	QPSK	135	0		26.06		27.0	0.0	
100	QPSK	135	69		26.14		27.0	0.0	
100	QPSK	135	138		26.07				
100	QPSK	270	0		26.10		27.0	0.0	
100	16QAM	1	1		26.22		27.0	0.0	
100	64QAM	1	1		24.74		25.5	1.5	
100	256QAM	1	1		22.64		23.5	3.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		26.11	26.09	26.13	27.0	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		26.23	26.18	26.14	27.0	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		26.11	26.14	26.09	27.0	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		26.18	26.20	26.22	27.0	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		26.14	26.23	26.18	27.0	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		26.22	26.18	26.22	27.0	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		26.10	26.22	26.17	27.0	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		26.17	26.17	26.15	27.0	0.0
Channel				630500	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		26.13	26.15	26.12	27.0	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		26.15	26.16	26.19	27.0	0.0



PC2 Part270 n78 Ant3 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		26.17			
100	PI/2 BPSK	1	137		26.19		27.0	0.0
100	PI/2 BPSK	1	271		26.22			
100	PI/2 BPSK	135	0		26.02		27.0	0.0
100	PI/2 BPSK	135	69		26.03		27.0	0.0
100	PI/2 BPSK	135	138		26.11			
100	PI/2 BPSK	270	0		25.75		27.0	0.0
100	QPSK	1	1		26.25			
100	QPSK	1	137		26.13		27.0	0.0
100	QPSK	1	271		26.04			
100	QPSK	135	0		26.11		27.0	0.0
100	QPSK	135	69		26.23		27.0	0.0
100	QPSK	135	138		26.10			
100	QPSK	270	0		26.16		27.0	0.0
100	16QAM	1	1		26.00		27.0	0.0
100	64QAM	1	1		24.46		25.5	1.5
100	256QAM	1	1		22.80		23.5	3.5
Channel				646668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	26.22	26.21	26.17	27.0	0.0
Channel				648334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	26.04	26.24	26.20	27.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	26.06	26.11	26.22	27.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	26.06	26.08	26.09	27.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	26.07	26.08	26.03	27.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	26.17	26.23	26.09	27.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	26.24	26.04	26.04	27.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	26.19	26.18	26.12	27.0	0.0
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.61	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	26.19	26.02	26.15	27.0	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	26.11	26.10	26.18	27.0	0.0



PC2 Part27Q n78 Ant3 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		26.31				
100	PI/2 BPSK	1	137		26.23		27.0	0.0	
100	PI/2 BPSK	1	271		26.12				
100	PI/2 BPSK	135	0		26.20		27.0	0.0	
100	PI/2 BPSK	135	69		26.16		27.0	0.0	
100	PI/2 BPSK	135	138		26.17				
100	PI/2 BPSK	270	0		26.20		27.0	0.0	
100	QPSK	1	1		26.34				
100	QPSK	1	137		26.22		27.0	0.0	
100	QPSK	1	271		26.07				
100	QPSK	135	0		26.16		27.0	0.0	
100	QPSK	135	69		26.32		27.0	0.0	
100	QPSK	135	138		26.17				
100	QPSK	270	0		26.28		27.0	0.0	
100	16QAM	1	1		26.29		27.0	0.0	
100	64QAM	1	1		24.73		25.5	1.5	
100	256QAM	1	1		22.69		23.5	3.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		26.17	26.19	26.14	27.0	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		26.12	26.25	26.15	27.0	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		26.26	26.18	26.17	27.0	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		26.29	26.14	26.20	27.0	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		26.22	26.33	26.20	27.0	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		26.25	26.20	26.19	27.0	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		26.32	26.32	26.15	27.0	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		26.28	26.16	26.23	27.0	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3467.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		26.20	26.28	26.23	27.0	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		26.33	26.31	26.15	27.0	0.0





### PC2 Part270 n77 Ant10 DSI1

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel	650000	650000	662000					
Frequency (MHz)	3750	3840	3930					
100	PI/2 BPSK	1	1	18.18	18.10	17.98	18.7	0.0
100	PI/2 BPSK	1	137	18.11	18.23	17.99		
100	PI/2 BPSK	1	271	18.19	18.23	17.99		
100	PI/2 BPSK	135	0	18.09	18.31	18.05	18.7	0.0
100	PI/2 BPSK	135	69	18.03	18.23	18.04	18.7	0.0
100	PI/2 BPSK	135	138	18.22	18.08	17.89	18.7	0.0
100	PI/2 BPSK	270	0	18.09	18.31	17.95		
100	QPSK	1	1	18.07	18.32	17.92	18.7	0.0
100	QPSK	1	137	18.21	18.21	17.86		
100	QPSK	1	271	18.11	18.19	17.86		
100	QPSK	135	0	18.06	18.21	17.94	18.7	0.0
100	QPSK	135	69	18.09	18.30	17.97	18.7	0.0
100	QPSK	135	138	18.15	18.11	18.04	18.7	0.0
100	QPSK	270	0	18.08	18.20	17.86		
100	16QAM	1	1	18.20	18.17	18.00	18.7	0.0
100	64QAM	1	1	18.03	18.26	17.85	18.7	0.0
100	256QAM	1	1	18.21	18.19	18.04	18.7	0.0
Channel	648668	650000	662334	Tune-up limit	MPR			
Frequency (MHz)	3745.02	3840	3935.01	(dBm)	(dB)			
90	QPSK	1	1	18.14	18.12	17.94	18.7	0.0
Channel	648334	650000	662668	Tune-up limit	MPR			
Frequency (MHz)	3740.01	3840	3940.02	(dBm)	(dB)			
80	QPSK	1	1	18.14	18.16	17.94	18.7	0.0
Channel	648000	650000	663000	Tune-up limit	MPR			
Frequency (MHz)	3735	3840	3945	(dBm)	(dB)			
70	QPSK	1	1	18.06	18.21	18.06	18.7	0.0
Channel	648668	650000	663334	Tune-up limit	MPR			
Frequency (MHz)	3730.02	3840	3950.01	(dBm)	(dB)			
60	QPSK	1	1	18.06	18.20	18.07	18.7	0.0
Channel	648334	650000	663668	Tune-up limit	MPR			
Frequency (MHz)	3725.01	3840	3955.02	(dBm)	(dB)			
50	QPSK	1	1	18.05	18.12	17.84	18.7	0.0
Channel	648000	650000	664000	Tune-up limit	MPR			
Frequency (MHz)	3720	3840	3960	(dBm)	(dB)			
40	QPSK	1	1	18.02	18.18	18.04	18.7	0.0
Channel	647668	650000	664334	Tune-up limit	MPR			
Frequency (MHz)	3715.02	3840	3965.01	(dBm)	(dB)			
30	QPSK	1	1	18.01	18.28	17.87	18.7	0.0
Channel	647334	650000	664668	Tune-up limit	MPR			
Frequency (MHz)	3710.01	3840	3970.02	(dBm)	(dB)			
20	QPSK	1	1	18.09	18.29	18.02	18.7	0.0
Channel	647168	650000	664834	Tune-up limit	MPR			
Frequency (MHz)	3707.52	3840	3972.61	(dBm)	(dB)			
15	QPSK	1	1	18.14	18.17	18.04	18.7	0.0
Channel	647000	650000	665000	Tune-up limit	MPR			
Frequency (MHz)	3705	3840	3975	(dBm)	(dB)			
10	QPSK	1	1	17.99	18.16	18.02	18.7	0.0



PC2 Part27Q n77 Ant10 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.29			
100	PI/2 BPSK	1	137		18.36		18.7	0.0
100	PI/2 BPSK	1	271		18.34			
100	PI/2 BPSK	135	0		18.49		18.7	0.0
100	PI/2 BPSK	135	69		18.44		18.7	0.0
100	PI/2 BPSK	135	138		18.22			
100	PI/2 BPSK	270	0		18.37		18.7	0.0
100	QPSK	1	1		18.50			
100	QPSK	1	137		18.43		18.7	0.0
100	QPSK	1	271		18.33			
100	QPSK	135	0		18.28		18.7	0.0
100	QPSK	135	69		18.43		18.7	0.0
100	QPSK	135	138		18.28			
100	QPSK	270	0		18.32		18.7	0.0
100	16QAM	1	1		18.23		18.7	0.0
100	64QAM	1	1		18.27		18.7	0.0
100	256QAM	1	1		18.25		18.7	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.24	18.28	18.20	18.7	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.25	18.35	18.28	18.7	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.38	18.39	18.32	18.7	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.30	18.23	18.26	18.7	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.35	18.39	18.30	18.7	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.28	18.42	18.22	18.7	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.40	18.41	18.30	18.7	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.20	18.35	18.21	18.7	0.0
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.31	18.28	18.33	18.7	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.39	18.21	18.40	18.7	0.0



PC2 Part270 n78 Ant10 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		17.58				
100	PI/2 BPSK	1	137		17.52		18.2	0.0	
100	PI/2 BPSK	1	271		17.56				
100	PI/2 BPSK	135	0		17.68		18.2	0.0	
100	PI/2 BPSK	135	69		17.65		18.2	0.0	
100	PI/2 BPSK	135	138		17.55				
100	PI/2 BPSK	270	0		17.62		18.2	0.0	
100	QPSK	1	1		17.70				
100	QPSK	1	137		17.61		18.2	0.0	
100	QPSK	1	271		17.62				
100	QPSK	135	0		17.65		18.2	0.0	
100	QPSK	135	69		17.65		18.2	0.0	
100	QPSK	135	138		17.62				
100	QPSK	270	0		17.64		18.2	0.0	
100	16QAM	1	1		17.63		18.2	0.0	
100	64QAM	1	1		17.69		18.2	0.0	
100	256QAM	1	1		17.59		18.2	0.0	
Channel				646668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		17.53	17.46	18.2	0.0	
Channel				646334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		17.62	17.45	18.2	0.0	
Channel				646000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		17.49	17.45	17.51	18.2	0.0
Channel				646668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		17.59	17.42	17.63	18.2	0.0
Channel				646334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		17.46	17.41	17.57	18.2	0.0
Channel				646000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		17.60	17.51	17.54	18.2	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		17.55	17.48	17.41	18.2	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		17.50	17.56	17.49	18.2	0.0
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.61			
15	QPSK	1	1		17.51	17.63	17.56	18.2	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		17.47	17.43	17.41	18.2	0.0



PC2 Part27Q n78 Ant10 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		17.82				
100	PI/2 BPSK	1	137		17.78		18.2	0.0	
100	PI/2 BPSK	1	271		17.70				
100	PI/2 BPSK	135	0		17.95		18.2	0.0	
100	PI/2 BPSK	135	69		17.98		18.2	0.0	
100	PI/2 BPSK	135	138		17.74				
100	PI/2 BPSK	270	0		17.85		18.2	0.0	
100	QPSK	1	1		18.00				
100	QPSK	1	137		17.72		18.2	0.0	
100	QPSK	1	271		17.82				
100	QPSK	135	0		17.78		18.2	0.0	
100	QPSK	135	69		17.95		18.2	0.0	
100	QPSK	135	138		17.77				
100	QPSK	270	0		17.89		18.2	0.0	
100	16QAM	1	1		17.76		18.2	0.0	
100	64QAM	1	1		17.87		18.2	0.0	
100	256QAM	1	1		17.83		18.2	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		17.85	17.73	17.77	18.2	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		17.73	17.87	17.73	18.2	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		17.81	17.85	17.70	18.2	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		17.75	17.69	17.83	18.2	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		17.92	17.84	17.70	18.2	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		17.69	17.85	17.87	18.2	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		17.82	17.75	17.81	18.2	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		17.78	17.70	17.71	18.2	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		17.73	17.88	17.71	18.2	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		17.73	17.89	17.89	18.2	0.0



**PC2 Part270 n77 Ant13 DSI1**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	24.11	24.14	24.10		
100	PI/2 BPSK	1	137	24.13	24.09	24.09	25.7	0.0
100	PI/2 BPSK	1	271	24.19	24.19	24.22		
100	PI/2 BPSK	135	0	24.13	24.14	24.21	25.7	0.0
100	PI/2 BPSK	135	69	24.07	24.05	24.21	25.7	0.0
100	PI/2 BPSK	135	138	24.04	24.18	24.16	25.7	0.0
100	PI/2 BPSK	270	0	24.05	24.16	24.04	25.7	0.0
100	QPSK	1	1	24.09	24.25	24.09		
100	QPSK	1	137	24.20	24.18	24.19	25.7	0.0
100	QPSK	1	271	24.08	24.21	24.21		
100	QPSK	135	0	24.03	24.11	24.15	25.7	0.0
100	QPSK	135	69	24.15	24.21	24.16	25.7	0.0
100	QPSK	135	138	24.13	24.12	24.15	25.7	0.0
100	QPSK	270	0	24.18	24.19	24.11	25.7	0.0
100	16QAM	1	1	24.05	24.15	24.10	25.7	0.0
100	64QAM	1	1	24.04	24.12	24.19	25.7	0.0
100	256QAM	1	1	22.11	22.28	22.18	23.2	2.5
Channel				648668	658000	682334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.09	24.13	24.14	25.7	0.0
Channel				648334	658000	682668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.19	24.15	24.03	25.7	0.0
Channel				648000	658000	683000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	24.21	24.16	24.12	25.7	0.0
Channel				648668	658000	683334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.23	24.10	24.00	25.7	0.0
Channel				648334	658000	683668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.17	24.15	24.11	25.7	0.0
Channel				648000	658000	684000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.11	24.23	24.11	25.7	0.0
Channel				647668	658000	684334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	24.24	24.22	24.05	25.7	0.0
Channel				647334	658000	684668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.19	24.06	24.17	25.7	0.0
Channel				647168	658000	684834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	24.08	24.19	24.17	25.7	0.0
Channel				647000	658000	685000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.12	24.23	24.17	25.7	0.0

PC2 Part27Q n77 Ant13 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		25.2		
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		24.24		25.7	0.0	
100	PI/2 BPSK	1	137		24.16				
100	PI/2 BPSK	1	271		24.13				
100	PI/2 BPSK	135	0		24.04		25.7	0.0	
100	PI/2 BPSK	135	69		24.11		25.7	0.0	
100	PI/2 BPSK	135	138		23.99		25.7	0.0	
100	PI/2 BPSK	270	0		24.12				
100	QPSK	1	1		24.25		25.7	0.0	
100	QPSK	1	137		24.12				
100	QPSK	1	271		24.19				
100	QPSK	135	0		24.11		25.7	0.0	
100	QPSK	135	69		24.18		25.7	0.0	
100	QPSK	135	138		24.10		25.7	0.0	
100	QPSK	270	0		24.13				
100	16QAM	1	1		24.08		25.7	0.0	
100	64QAM	1	1		23.97		25.7	0.0	
100	256QAM	1	1		22.27		23.2	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		24.16	23.95	23.97	25.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		23.95	23.97	24.11	25.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		24.16	24.03	24.14	25.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		24.00	24.02	24.05	25.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		24.14	24.17	24.15	25.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		24.09	24.01	24.04	25.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		23.99	24.01	24.12	25.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		24.15	24.06	24.01	25.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		24.03	24.04	24.11	25.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		23.93	23.93	24.11	25.7	0.0



PC2 Part270 n78 Ant13 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	26.15	26.15		27.7	0.0
100	PI/2 BPSK	1	137	26.08	26.08			
100	PI/2 BPSK	1	271	26.09	26.09		27.2	0.5
100	PI/2 BPSK	135	0	26.11	26.11		27.7	0.0
100	PI/2 BPSK	135	69	26.03	26.03		27.7	0.0
100	PI/2 BPSK	135	138	26.09	26.09		27.2	0.5
100	PI/2 BPSK	270	0	26.01	26.01			
100	QPSK	1	1	26.23	26.23		27.7	0.0
100	QPSK	1	137	26.07	26.07			
100	QPSK	1	271	26.13	26.13		26.7	1.0
100	QPSK	135	0	26.11	26.11		27.7	0.0
100	QPSK	135	69	26.21	26.21		26.7	1.0
100	QPSK	135	138	26.16	26.16		26.7	1.0
100	QPSK	270	0	26.19	26.19		26.7	1.0
100	16QAM	1	1	25.91	25.91		25.2	2.5
100	64QAM	1	1	24.64	24.64		23.2	4.5
100	256QAM	1	1	22.36	22.36			
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	26.10	26.19	26.18	27.7	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	26.15	26.12	26.09	27.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	26.15	26.10	26.07	27.7	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	26.15	26.15	26.10	27.7	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	26.10	26.09	26.12	27.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	26.14	26.06	26.13	27.7	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	26.05	26.10	26.06	27.7	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	26.14	26.14	26.21	27.7	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	26.13	26.16	26.07	27.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	26.12	26.05	26.17	27.7	0.0



PC2 Part27Q n78 Ant13 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		26.11				
100	PI/2 BPSK	1	137		25.96		27.7	0.0	
100	PI/2 BPSK	1	271		26.05				
100	PI/2 BPSK	135	0		26.07		27.2	0.5	
100	PI/2 BPSK	135	69		26.02		27.7	0.0	
100	PI/2 BPSK	135	138		26.01				
100	PI/2 BPSK	270	0		25.90		27.2	0.5	
100	QPSK	1	1		26.24				
100	QPSK	1	137		25.85		27.7	0.0	
100	QPSK	1	271		26.13				
100	QPSK	135	0		26.08		26.7	1.0	
100	QPSK	135	69		26.19		27.7	0.0	
100	QPSK	135	138		26.05				
100	QPSK	270	0		26.11		26.7	1.0	
100	16QAM	1	1		25.80		26.7	1.0	
100	64QAM	1	1		24.64		25.2	2.5	
100	256QAM	1	1		22.21		23.2	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		26.22	26.12	26.21	27.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		26.22	26.11	26.18	27.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		26.22	26.13	26.10	27.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		26.18	26.09	26.09	27.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		26.14	26.20	26.14	27.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		26.17	26.17	26.11	27.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		26.09	26.22	26.12	27.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		26.20	26.15	26.17	27.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.62			
15	QPSK	1	1		26.08	26.07	26.11	27.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		26.15	26.18	26.17	27.7	0.0





n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.02	25.16	24.97	25.7	0.0
20	PI/2 BPSK	1	53	24.97	25.11	25.07		
20	PI/2 BPSK	1	104	24.73	24.95	24.82		
20	PI/2 BPSK	50	0	24.68	24.74	24.63	25.2	0.5
20	PI/2 BPSK	50	28	24.81	24.96	24.94	25.7	0.0
20	PI/2 BPSK	50	56	24.23	24.38	24.39	25.2	0.5
20	PI/2 BPSK	100	0	24.44	24.47	24.45		
20	QPSK	1	1	25.09	25.25	25.10	25.7	0.0
20	QPSK	1	53	25.02	25.04	25.05		
20	QPSK	1	104	24.90	24.88	24.83		
20	QPSK	50	0	24.29	24.33	24.22	24.7	1.0
20	QPSK	50	28	25.07	25.10	25.02	25.7	0.0
20	QPSK	50	56	23.77	23.92	23.94	24.7	1.0
20	QPSK	100	0	23.81	24.01	23.92		
20	16QAM	1	1	24.13	24.16	24.13	24.7	1.0
20	64QAM	1	1	22.26	22.43	22.22	23.2	2.5
20	256QAM	1	1	20.55	20.73	20.59	21.2	4.5
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	833.5	841.5	(dBm)	(dB)
15	QPSK	1	1	24.88	25.16	24.99	25.7	0.0
Channel				165300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				829	833.5	844	(dBm)	(dB)
10	QPSK	1	1	25.10	25.23	24.90	25.7	0.0
Channel				165300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				826.5	833.5	846.5	(dBm)	(dB)
5	QPSK	1	1	25.03	25.18	24.95	25.7	0.0

n71 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	25.01	25.10	24.88	25.7	0.0
20	PI/2 BPSK	1	53	25.05	25.07	24.93		
20	PI/2 BPSK	1	104	24.68	24.88	24.86		
20	PI/2 BPSK	50	0	24.63	24.61	24.55	25.2	0.5
20	PI/2 BPSK	50	28	25.11	25.10	25.01	25.7	0.0
20	PI/2 BPSK	50	56	24.38	24.52	24.37	25.2	0.5
20	PI/2 BPSK	100	0	24.56	24.63	24.49		
20	QPSK	1	1	25.05	25.22	25.06	25.7	0.0
20	QPSK	1	53	25.05	25.15	25.06		
20	QPSK	1	104	25.03	25.05	24.95		
20	QPSK	50	0	24.09	24.09	24.07	24.7	1.0
20	QPSK	50	28	24.98	25.07	25.02	25.7	0.0
20	QPSK	50	56	23.98	24.02	23.86	24.7	1.0
20	QPSK	100	0	24.00	24.05	23.91		
20	16QAM	1	1	24.06	24.19	24.08	24.7	1.0
20	64QAM	1	1	22.58	22.57	22.58	23.2	2.5
20	256QAM	1	1	20.40	20.53	20.49	21.2	4.5
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	24.95	25.13	25.04	25.7	0.0
Channel				133600	136100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	25.06	25.17	25.03	25.7	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	685.5	(dBm)	(dB)
5	QPSK	1	1	24.85	25.03	24.89	25.7	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)				834	836.5	839			
20	PI/2 BPSK	1	1	24.61	24.79	24.70			
20	PI/2 BPSK	1	53	24.71	24.71	24.59	25.5	0.0	
20	PI/2 BPSK	1	104	24.54	24.62	24.59			
20	PI/2 BPSK	50	0	24.05	24.18	24.11	25.0	0.5	
20	PI/2 BPSK	50	28	24.61	24.75	24.74	25.5	0.0	
20	PI/2 BPSK	50	56	24.14	24.15	24.16	25.0	0.5	
20	PI/2 BPSK	100	0	24.23	24.25	24.24			
20	QPSK	1	1	24.72	24.80	24.64			
20	QPSK	1	53	24.61	24.59	24.46	25.5	0.0	
20	QPSK	1	104	24.50	24.57	24.47			
20	QPSK	50	0	23.47	23.65	23.43	24.5	1.0	
20	QPSK	50	28	24.61	24.77	24.70	25.5	0.0	
20	QPSK	50	56	23.41	23.62	23.59	24.5	1.0	
20	QPSK	100	0	23.66	23.76	23.55			
20	16QAM	1	1	23.73	23.74	23.72	24.5	1.0	
20	64QAM	1	1	21.86	22.05	21.98	23.0	2.5	
20	256QAM	1	1	20.16	20.36	20.16	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.67	24.64	24.65	25.5	0.0	
Channel				165900	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.57	24.71	24.58	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	24.57	24.58	24.62	25.5	0.0	

n71 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				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.42	24.46	24.42			
20	PI/2 BPSK	1	53	24.46	24.52	24.42	25.4	0.0	
20	PI/2 BPSK	1	104	24.17	24.37	24.29			
20	PI/2 BPSK	50	0	23.62	24.00	23.95	24.9	0.5	
20	PI/2 BPSK	50	28	24.53	24.51	24.52	25.4	0.0	
20	PI/2 BPSK	50	56	23.79	23.91	23.82	24.9	0.5	
20	PI/2 BPSK	100	0	23.86	23.98	23.79			
20	QPSK	1	1	24.48	24.60	24.44			
20	QPSK	1	53	24.46	24.51	24.48	25.4	0.0	
20	QPSK	1	104	24.36	24.42	24.26			
20	QPSK	50	0	23.35	23.48	23.43	24.4	1.0	
20	QPSK	50	28	24.45	24.53	24.38	25.4	0.0	
20	QPSK	50	56	23.29	23.48	23.45	24.4	1.0	
20	QPSK	100	0	23.33	23.49	23.42			
20	16QAM	1	1	23.07	23.05	23.00	24.4	1.0	
20	64QAM	1	1	22.23	22.22	22.02	22.9	2.5	
20	256QAM	1	1	20.00	20.17	19.98	20.9	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	24.40	24.45	24.35	25.4	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666	680.5	693			
10	QPSK	1	1	24.47	24.59	24.27	25.4	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	24.48	24.57	24.32	25.4	0.0	



PC3 Part270 n77 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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.29	20.36	20.13		
100	PI/2 BPSK	1	137	20.27	20.31	20.19	22.0	0.0
100	PI/2 BPSK	1	271	20.24	20.46	20.19		
100	PI/2 BPSK	135	0	20.24	20.24	20.12	22.0	0.0
100	PI/2 BPSK	135	69	20.26	20.37	20.32	22.0	0.0
100	PI/2 BPSK	135	138	20.19	20.28	20.31	22.0	0.0
100	PI/2 BPSK	270	0	20.27	20.28	20.19		
100	QPSK	1	1	20.31	20.50	20.34		
100	QPSK	1	137	20.29	20.33	20.34	22.0	0.0
100	QPSK	1	271	20.16	20.26	20.28		
100	QPSK	135	0	20.10	20.25	20.34	22.0	0.0
100	QPSK	135	69	20.21	20.47	20.18	22.0	0.0
100	QPSK	135	138	20.29	20.45	20.14	22.0	0.0
100	QPSK	270	0	20.13	20.46	20.36		
100	16QAM	1	1	20.11	20.33	20.13	22.0	0.0
100	64QAM	1	1	20.23	20.33	20.13	22.0	0.0
100	256QAM	1	1	20.26	20.44	20.18	22.0	0.0
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.17	20.42	20.23	22.0	0.0
Channel				648334	650000	662868	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.15	20.46	20.13	22.0	0.0
Channel				648000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.13	20.37	20.28	22.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.09	20.27	20.34	22.0	0.0
Channel				648334	650000	663868	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.18	20.42	20.16	22.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.22	20.25	20.35	22.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.22	20.35	20.13	22.0	0.0
Channel				647334	650000	664868	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.16	20.27	20.35	22.0	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1	20.18	20.25	20.18	22.0	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	20.09	20.30	20.22	22.0	0.0



### PC3 Part27Q n77 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					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.98				
100	PI/2 BPSK	1	137		20.79		22.0	0.0	
100	PI/2 BPSK	1	271		20.89				
100	PI/2 BPSK	135	0		20.82		22.0	0.0	
100	PI/2 BPSK	135	69		20.83		22.0	0.0	
100	PI/2 BPSK	135	138		20.80				
100	PI/2 BPSK	270	0		20.95		22.0	0.0	
100	QPSK	1	1		21.05				
100	QPSK	1	137		20.88		22.0	0.0	
100	QPSK	1	271		20.97				
100	QPSK	135	0		21.00		22.0	0.0	
100	QPSK	135	69		21.02		22.0	0.0	
100	QPSK	135	138		20.90				
100	QPSK	270	0		21.00		22.0	0.0	
100	16QAM	1	1		20.86		22.0	0.0	
100	64QAM	1	1		21.00		22.0	0.0	
100	256QAM	1	1		20.88		22.0	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		20.78	20.74	20.81	22.0	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		20.89	20.77	20.75	22.0	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		20.98	20.95	20.85	22.0	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		20.87	20.73	20.70	22.0	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		20.77	20.74	20.91	22.0	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		20.88	20.85	20.87	22.0	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		20.93	20.80	20.91	22.0	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		20.82	20.96	20.78	22.0	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		20.97	20.74	20.75	22.0	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		20.83	20.79	20.88	22.0	0.0



### PC3 Part270 n78 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.06		20.5	0.0	
100	PI/2 BPSK	1	137		19.30				
100	PI/2 BPSK	1	271		19.06				
100	PI/2 BPSK	135	0		19.17				
100	PI/2 BPSK	135	69		19.11				
100	PI/2 BPSK	135	138		19.21				
100	PI/2 BPSK	270	0		19.07		20.5	0.0	
100	QPSK	1	1		19.45				
100	QPSK	1	137		19.34				
100	QPSK	1	271		19.37				
100	QPSK	135	0		19.16				
100	QPSK	135	69		19.42				
100	QPSK	135	138		19.21		20.5	0.0	
100	QPSK	270	0		19.30				
100	16QAM	1	1		19.23				
100	64QAM	1	1		19.13				
100	256QAM	1	1		19.41				
100	256QAM	1	1		19.41				
Channel				646668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		19.23	19.27	20.5	0.0	
Channel				646334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		19.21	19.33	19.21	20.5	0.0
Channel				646000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		19.18	19.17	19.17	20.5	0.0
Channel				646668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		19.20	19.25	19.35	20.5	0.0
Channel				646334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		19.22	19.23	19.21	20.5	0.0
Channel				646000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		19.34	19.19	19.26	20.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		19.22	19.24	19.20	20.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		19.19	19.25	19.23	20.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.61	(dBm)	(dB)	
15	QPSK	1	1		19.20	19.35	19.14	20.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		19.25	19.32	19.16	20.5	0.0



### PC3 Part27Q n78 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.28			
100	PI/2 BPSK	1	137		19.33		20.5	0.0
100	PI/2 BPSK	1	271		19.18			
100	PI/2 BPSK	135	0		19.33		20.5	0.0
100	PI/2 BPSK	135	69		19.27		20.5	0.0
100	PI/2 BPSK	135	138		19.36			
100	PI/2 BPSK	270	0		19.33		20.5	0.0
100	QPSK	1	1		19.51			
100	QPSK	1	137		19.36		20.5	0.0
100	QPSK	1	271		19.37			
100	QPSK	135	0		19.29		20.5	0.0
100	QPSK	135	69		19.47		20.5	0.0
100	QPSK	135	138		19.31		20.5	0.0
100	QPSK	270	0		19.44			
100	16QAM	1	1		19.39		20.5	0.0
100	64QAM	1	1		19.25		20.5	0.0
100	256QAM	1	1		19.47		20.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.22	19.25	19.37	20.5	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.27	19.34	19.22	20.5	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.27	19.38	19.40	20.5	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.23	19.38	19.40	20.5	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.35	19.26	19.37	20.5	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.28	19.36	19.39	20.5	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.19	19.34	19.30	20.5	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.36	19.33	19.31	20.5	0.0
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.43	19.29	19.39	20.5	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.22	19.41	19.31	20.5	0.0



n7 Ant3 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	19.01	18.94	19.04		
40	PI/2 BPSK	1	108	19.08	18.94	18.99	19.7	0.0
40	PI/2 BPSK	1	214	19.01	19.08	19.01		
40	PI/2 BPSK	108	0	19.13	19.02	19.03	19.7	0.0
40	PI/2 BPSK	108	54	19.13	18.95	19.07	19.7	0.0
40	PI/2 BPSK	108	108	18.99	18.97	18.85		
40	PI/2 BPSK	216	0	19.14	19.18	18.97	19.7	0.0
40	QPSK	1	1	19.15	19.22	19.06		
40	QPSK	1	108	18.95	19.15	18.90	19.7	0.0
40	QPSK	1	214	19.04	19.14	18.99		
40	QPSK	108	0	18.96	19.16	19.00	19.7	0.0
40	QPSK	108	54	19.01	19.20	19.01	19.7	0.0
40	QPSK	108	108	18.97	19.15	18.91	19.7	0.0
40	QPSK	216	0	19.04	19.16	18.84		
40	16QAM	1	1	18.94	19.17	19.03	19.7	0.0
40	64QAM	1	1	19.05	18.95	18.89	19.7	0.0
40	256QAM	1	1	19.07	19.10	18.95	19.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	19.7	0.0
30	QPSK	1	1	19.10	18.99	19.05		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	19.7	0.0
25	QPSK	1	1	19.10	19.15	18.97		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	19.7	0.0
20	QPSK	1	1	19.10	18.95	19.07		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.7	0.0
15	QPSK	1	1	19.09	19.07	19.07		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	19.7	0.0
10	QPSK	1	1	19.09	19.11	18.99		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	19.7	0.0
5	QPSK	1	1	19.10	19.12	19.08		

n66 Ant3 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.23	23.34	23.05		
40	PI/2 BPSK	1	108	23.30	23.22	23.19	23.7	0.0
40	PI/2 BPSK	1	214	23.26	23.34	23.14		
40	PI/2 BPSK	108	0	23.13	23.29	23.04	23.7	0.0
40	PI/2 BPSK	108	54	23.27	23.17	23.09	23.7	0.0
40	PI/2 BPSK	108	108	23.15	23.37	22.99		
40	PI/2 BPSK	216	0	23.24	23.35	23.08	23.7	0.0
40	QPSK	1	1	23.34	23.41	23.20		
40	QPSK	1	108	23.12	23.22	23.17	23.7	0.0
40	QPSK	1	214	23.20	23.27	23.01		
40	QPSK	108	0	23.16	23.14	23.21	23.7	0.0
40	QPSK	108	54	23.18	23.37	23.00	23.7	0.0
40	QPSK	108	108	23.25	23.25	23.01	23.7	0.0
40	QPSK	216	0	23.30	23.35	23.09		
40	16QAM	1	1	23.35	23.33	23.00	23.7	0.0
40	64QAM	1	1	22.69	22.74	22.70	23.2	0.5
40	256QAM	1	1	20.34	20.64	20.57	21.2	2.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	23.7	0.0
30	QPSK	1	1	23.13	23.27	23.15		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	23.7	0.0
25	QPSK	1	1	23.35	23.17	23.11		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	23.7	0.0
20	QPSK	1	1	23.38	23.13	23.02		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	23.7	0.0
15	QPSK	1	1	23.24	23.34	23.09		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	23.7	0.0
10	QPSK	1	1	23.32	23.31	23.09		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	23.7	0.0
5	QPSK	1	1	23.29	23.24	23.21		



n38 Ant3 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.01	19.04	19.05		
40	PI/2 BPSK	1	53	19.17	19.09	19.08	19.7	0.0
40	PI/2 BPSK	1	104	19.20	19.17	19.00		
40	PI/2 BPSK	50	0	19.17	19.08	19.14	19.7	0.0
40	PI/2 BPSK	50	28	18.99	19.25	19.04	19.7	0.0
40	PI/2 BPSK	50	56	19.21	19.10	19.04	19.7	0.0
40	PI/2 BPSK	100	0	19.19	19.10	19.02		
40	QPSK	1	1	19.20	19.30	19.13		
40	QPSK	1	53	19.01	19.20	19.04	19.7	0.0
40	QPSK	1	104	19.06	19.26	18.99		
40	QPSK	50	0	19.21	19.22	19.11	19.7	0.0
40	QPSK	50	28	19.07	19.26	19.03	19.7	0.0
40	QPSK	50	56	19.11	19.06	18.93	19.7	0.0
40	QPSK	100	0	19.13	19.22	19.09		
40	16QAM	1	1	19.13	19.06	19.14	19.7	0.0
40	64QAM	1	1	19.03	19.19	19.13	19.7	0.0
40	256QAM	1	1	19.04	19.25	19.12	19.7	0.0
Channel				517092	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	19.20	19.22	19.97	19.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	19.02	19.12	19.97	19.7	0.0
Channel				515592	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)
15	QPSK	1	1	19.88	19.14	19.12	19.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	19.10	19.24	19.05	19.7	0.0

n41 Ant3 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.10	19.30	19.18		
100	PI/2 BPSK	1	137	19.13	19.18	19.15	19.7	0.0
100	PI/2 BPSK	1	271	19.17	19.18	19.08		
100	PI/2 BPSK	135	0	19.12	19.21	19.06	19.7	0.0
100	PI/2 BPSK	135	69	19.10	19.15	19.10	19.7	0.0
100	PI/2 BPSK	135	138	19.26	19.15	19.01	19.7	0.0
100	PI/2 BPSK	270	0	19.24	19.22	19.06		
100	QPSK	1	1	19.26	19.36	19.22		
100	QPSK	1	137	19.20	19.17	19.10	19.7	0.0
100	QPSK	1	271	19.28	19.32	19.17		
100	QPSK	135	0	19.16	19.34	19.23	19.7	0.0
100	QPSK	135	69	19.17	19.33	19.09	19.7	0.0
100	QPSK	135	138	19.28	19.27	19.20	19.7	0.0
100	QPSK	270	0	19.11	19.30	19.11		
100	16QAM	1	1	19.05	19.16	19.01	19.7	0.0
100	64QAM	1	1	19.08	19.24	19.04	19.7	0.0
100	256QAM	1	1	19.25	19.22	19.08	19.7	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	19.11	19.16	19.10	19.7	0.0
Channel				507204	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	19.09	19.27	19.07	19.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	19.11	19.16	19.07	19.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	19.24	19.26	19.07	19.7	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	19.20	19.17	19.06	19.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	19.08	19.20	19.02	19.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	19.19	19.33	19.23	19.7	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	19.05	19.22	19.12	19.7	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	19.17	19.21	19.04	19.7	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	19.18	19.34	19.21	19.7	0.0





PC3 Part270 n77 Ant3 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.35	19.32	19.21	20.2	0.0
100	PI/2 BPSK	1	137	19.52	19.48	19.36		
100	PI/2 BPSK	1	271	19.20	19.23	19.41		
100	PI/2 BPSK	135	0	19.27	19.26	19.46	20.2	0.0
100	PI/2 BPSK	135	69	19.50	19.36	19.31	20.2	0.0
100	PI/2 BPSK	135	138	19.36	19.18	19.18	20.2	0.0
100	PI/2 BPSK	270	0	19.41	19.53	19.29		
100	QPSK	1	1	19.64	19.77	19.65	20.2	0.0
100	QPSK	1	137	19.30	19.53	19.59		
100	QPSK	1	271	19.55	19.55	19.33		
100	QPSK	135	0	19.36	19.58	19.55	20.2	0.0
100	QPSK	135	69	19.56	19.64	19.54	20.2	0.0
100	QPSK	135	138	19.29	19.28	19.30	20.2	0.0
100	QPSK	270	0	19.38	19.42	19.41		
100	16QAM	1	1	19.49	19.50	19.37	20.2	0.0
100	64QAM	1	1	19.43	19.58	19.49	20.2	0.0
100	256QAM	1	1	19.30	19.33	19.49	20.2	0.0
Channel				646668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	19.50	19.68	19.41	20.2	0.0
Channel				648334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	19.45	19.69	19.49	20.2	0.0
Channel				646000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	19.32	19.65	19.62	20.2	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	19.47	19.63	19.48	20.2	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	19.30	19.70	19.50	20.2	0.0
Channel				646000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	19.47	19.60	19.41	20.2	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	19.44	19.52	19.60	20.2	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	19.29	19.75	19.44	20.2	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	19.40	19.67	19.42	20.2	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	19.44	19.62	19.47	20.2	0.0



PC3 Part27Q n77 Ant3 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.33			
100	PI/2 BPSK	1	137		19.44		20.2	0.0
100	PI/2 BPSK	1	271		19.20			
100	PI/2 BPSK	135	0		19.61		20.2	0.0
100	PI/2 BPSK	135	69		19.45		20.2	0.0
100	PI/2 BPSK	135	138		19.28		20.2	0.0
100	PI/2 BPSK	270	0		19.29			
100	QPSK	1	1		19.67			
100	QPSK	1	137		19.49		20.2	0.0
100	QPSK	1	271		19.61			
100	QPSK	135	0		19.42		20.2	0.0
100	QPSK	135	69		19.52		20.2	0.0
100	QPSK	135	138		19.42		20.2	0.0
100	QPSK	270	0		19.48			
100	16QAM	1	1		19.55		20.2	0.0
100	64QAM	1	1		19.53		20.2	0.0
100	256QAM	1	1		19.25		20.2	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		19.49	19.42	20.2	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		19.42	19.25	19.51	20.2
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		19.44	19.35	19.49	20.2
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		19.35	19.28	19.30	20.2
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		19.35	19.29	19.44	20.2
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		19.43	19.45	19.43	20.2
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		19.49	19.41	19.39	20.2
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		19.44	19.32	19.39	20.2
Channel				630500	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		19.39	19.25	19.52	20.2
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		19.45	19.26	19.46	20.2

PC3 Part270 n78 Ant3 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.88			
100	PI/2 BPSK	1	137		19.82		20.7	0.0
100	PI/2 BPSK	1	271		19.63			
100	PI/2 BPSK	135	0		19.77		20.7	0.0
100	PI/2 BPSK	135	69		19.94		20.7	0.0
100	PI/2 BPSK	135	138		19.75			
100	PI/2 BPSK	270	0		19.74		20.7	0.0
100	QPSK	1	1		20.15			
100	QPSK	1	137		19.87		20.7	0.0
100	QPSK	1	271		19.96			
100	QPSK	135	0		19.89		20.7	0.0
100	QPSK	135	69		20.14		20.7	0.0
100	QPSK	135	138		19.67		20.7	0.0
100	QPSK	270	0		19.72			
100	16QAM	1	1		19.80		20.7	0.0
100	64QAM	1	1		19.97		20.7	0.0
100	256QAM	1	1		19.82		20.7	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	19.99	19.70	19.83	20.7	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.94	19.70	19.97	20.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.06	19.74	19.94	20.7	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	19.95	19.88	19.78	20.7	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.89	19.76	20.00	20.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.92	19.79	19.98	20.7	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	20.02	19.80	19.80	20.7	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.92	19.91	19.92	20.7	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	20.08	19.69	20.01	20.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	20.09	19.82	19.89	20.7	0.0



PC3 Part27Q n78 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.76				
100	PI/2 BPSK	1	137		19.85		20.7	0.0	
100	PI/2 BPSK	1	271		19.54				
100	PI/2 BPSK	135	0		19.68		20.7	0.0	
100	PI/2 BPSK	135	69		19.78		20.7	0.0	
100	PI/2 BPSK	135	138		19.75				
100	PI/2 BPSK	270	0		19.77		20.7	0.0	
100	QPSK	1	1		20.06				
100	QPSK	1	137		19.75		20.7	0.0	
100	QPSK	1	271		19.88				
100	QPSK	135	0		19.86		20.7	0.0	
100	QPSK	135	69		19.94		20.7	0.0	
100	QPSK	135	138		19.55		20.7	0.0	
100	QPSK	270	0		19.68				
100	16QAM	1	1		19.81		20.7	0.0	
100	64QAM	1	1		19.72		20.7	0.0	
100	256QAM	1	1		19.70		20.7	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		19.85	19.84	19.85	20.7	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		19.65	19.91	19.80	20.7	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		19.80	19.99	19.85	20.7	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		19.70	19.97	19.77	20.7	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		19.74	19.87	19.85	20.7	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		19.82	19.85	19.81	20.7	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		19.76	19.84	19.78	20.7	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		19.66	20.01	19.88	20.7	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		19.66	19.95	19.78	20.7	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		19.84	19.83	19.76	20.7	0.0



n7 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.98	22.30	22.15		
40	PI/2 BPSK	1	108	22.21	22.37	22.08	22.7	0.0
40	PI/2 BPSK	1	214	22.17	22.28	22.04		
40	PI/2 BPSK	108	0	22.05	22.39	22.13	22.7	0.0
40	PI/2 BPSK	108	54	21.99	22.41	21.98	22.7	0.0
40	PI/2 BPSK	108	108	22.18	22.37	22.19		
40	PI/2 BPSK	216	0	22.04	22.30	22.03	22.7	0.0
40	QPSK	1	1	22.19	22.44	22.18		
40	QPSK	1	108	22.13	22.19	22.17	22.7	0.0
40	QPSK	1	214	22.03	22.26	22.17		
40	QPSK	108	0	22.06	22.37	22.08	22.7	0.0
40	QPSK	108	54	22.12	22.37	22.10	22.7	0.0
40	QPSK	108	108	22.01	22.35	22.13		
40	QPSK	216	0	22.10	22.36	22.16	22.7	0.0
40	16QAM	1	1	21.97	22.35	22.01	22.7	0.0
40	64QAM	1	1	22.17	22.22	22.14	22.7	0.0
40	256QAM	1	1	20.79	20.57	20.73	21.2	1.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.11	22.22	22.10	22.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.04	22.20	22.12	22.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.15	22.34	22.05	22.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.17	22.42	22.01	22.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.98	22.40	22.13	22.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.20	22.43	22.08	22.7	0.0

n66 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.25	20.29	20.10		
40	PI/2 BPSK	1	108	20.15	20.19	20.12	20.7	0.0
40	PI/2 BPSK	1	214	20.32	20.25	20.11		
40	PI/2 BPSK	108	0	20.19	20.22	20.20	20.7	0.0
40	PI/2 BPSK	108	54	20.21	20.24	20.22	20.7	0.0
40	PI/2 BPSK	108	108	20.28	20.28	20.21		
40	PI/2 BPSK	216	0	20.28	20.20	20.04	20.7	0.0
40	QPSK	1	1	20.33	20.41	20.25		
40	QPSK	1	108	20.22	20.24	20.06	20.7	0.0
40	QPSK	1	214	20.34	20.39	20.04		
40	QPSK	108	0	20.33	20.33	20.17	20.7	0.0
40	QPSK	108	54	20.20	20.37	20.18	20.7	0.0
40	QPSK	108	108	20.28	20.18	20.22		
40	QPSK	216	0	20.33	20.34	20.24	20.7	0.0
40	16QAM	1	1	20.11	20.17	20.20	20.7	0.0
40	64QAM	1	1	20.19	20.20	20.21	20.7	0.0
40	256QAM	1	1	20.14	20.38	20.26	20.7	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.25	20.21	20.08	20.7	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	20.17	20.35	20.27	20.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.12	20.37	20.27	20.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.17	20.15	20.22	20.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.12	20.36	20.06	20.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.22	20.32	20.13	20.7	0.0



n38 Ant4 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	24.07	24.12	23.85		
40	PI/2 BPSK	1	53	24.09	24.19	23.87	24.7	0.0
40	PI/2 BPSK	1	104	23.88	24.07	23.91		
40	PI/2 BPSK	50	0	24.08	24.18	23.97	24.7	0.0
40	PI/2 BPSK	50	28	23.97	23.99	24.00	24.7	0.0
40	PI/2 BPSK	50	56	24.00	24.03	23.91		
40	PI/2 BPSK	100	0	23.90	24.13	23.89	24.7	0.0
40	QPSK	1	1	24.08	24.20	23.99		
40	QPSK	1	53	24.02	24.18	23.78	24.7	0.0
40	QPSK	1	104	23.89	24.11	23.78		
40	QPSK	50	0	23.90	23.98	23.81	24.7	0.0
40	QPSK	50	28	24.03	24.13	23.83	24.7	0.0
40	QPSK	50	56	23.99	23.99	23.96		
40	QPSK	100	0	23.93	24.07	23.83	24.7	0.0
40	16QAM	1	1	23.80	23.97	23.85	24.7	0.0
40	64QAM	1	1	22.39	22.41	22.31	23.2	1.5
40	256QAM	1	1	20.01	20.06	20.01	21.2	3.5
Channel				517092	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2635.01	2635	2634.99	(dBm)	(dB)
30	QPSK	1	1	23.80	24.02	23.87	24.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2680	2695	2610	(dBm)	(dB)
20	QPSK	1	1	23.90	24.15	23.89	24.7	0.0
Channel				515502	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)
15	QPSK	1	1	23.94	24.11	24.01	24.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	23.88	24.05	23.83	24.7	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.04	23.31	23.09		
100	PI/2 BPSK	1	137	23.11	23.31	23.10	23.7	0.0
100	PI/2 BPSK	1	271	23.08	23.31	22.96		
100	PI/2 BPSK	135	0	23.14	23.38	23.03	23.7	0.0
100	PI/2 BPSK	135	69	23.25	23.42	23.02	23.7	0.0
100	PI/2 BPSK	135	138	23.09	23.25	23.02		
100	PI/2 BPSK	270	0	23.25	23.27	23.03	23.7	0.0
100	QPSK	1	1	23.24	23.45	23.15		
100	QPSK	1	137	23.13	23.37	23.04	23.7	0.0
100	QPSK	1	271	23.12	23.32	23.04		
100	QPSK	135	0	23.21	23.41	23.02	23.7	0.0
100	QPSK	135	69	23.08	23.43	23.05	23.7	0.0
100	QPSK	135	138	23.17	23.21	23.07		
100	QPSK	270	0	23.03	23.23	22.96	23.7	0.0
100	16QAM	1	1	23.12	23.27	23.04	23.7	0.0
100	64QAM	1	1	22.10	22.19	22.02	23.2	0.5
100	256QAM	1	1	19.07	19.39	19.83	21.2	2.5
Channel				508200	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	23.05	23.28	23.09	23.7	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	23.03	23.43	23.16	23.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	23.25	23.25	23.12	23.7	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	23.03	23.41	23.09	23.7	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	23.19	23.20	22.98	23.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	23.19	23.41	23.02	23.7	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	23.17	23.21	23.14	23.7	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	23.25	23.34	22.96	23.7	0.0
Channel				500700	518598	536498	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	23.23	23.44	23.04	23.7	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	23.28	23.37	23.13	23.7	0.0



n7 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	18.61	18.79	18.44		
40	PI/2 BPSK	1	108	18.57	18.63	18.44	19.2	0.0
40	PI/2 BPSK	1	214	18.71	18.65	18.41		
40	PI/2 BPSK	108	0	18.76	18.81	18.42	19.2	0.0
40	PI/2 BPSK	108	54	18.57	18.73	18.51	19.2	0.0
40	PI/2 BPSK	108	108	18.62	18.81	18.55		
40	PI/2 BPSK	216	0	18.66	18.77	18.45	19.2	0.0
40	QPSK	1	1	18.77	18.90	18.63		
40	QPSK	1	108	18.77	18.65	18.60	19.2	0.0
40	QPSK	1	214	18.72	18.68	18.64		
40	QPSK	108	0	18.72	18.74	18.42	19.2	0.0
40	QPSK	108	54	18.77	18.65	18.52	19.2	0.0
40	QPSK	108	108	18.67	18.80	18.47		
40	QPSK	216	0	18.62	18.62	18.46	19.2	0.0
40	16QAM	1	1	18.73	18.76	18.44	19.2	0.0
40	64QAM	1	1	18.68	18.64	18.45	19.2	0.0
40	256QAM	1	1	18.69	18.76	18.52	19.2	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	18.66	18.80	18.43	19.2	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	18.73	18.72	18.64	19.2	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	18.60	18.79	18.59	19.2	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	18.69	18.65	18.58	19.2	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	18.71	18.69	18.63	19.2	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	18.64	18.79	18.45	19.2	0.0

n66 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.08	23.26	22.91		
40	PI/2 BPSK	1	108	23.23	23.31	22.87	23.5	0.0
40	PI/2 BPSK	1	214	23.12	23.34	22.91		
40	PI/2 BPSK	108	0	23.19	23.22	22.96	23.5	0.0
40	PI/2 BPSK	108	54	23.07	23.21	22.97	23.5	0.0
40	PI/2 BPSK	108	108	23.23	23.35	23.00		
40	PI/2 BPSK	216	0	23.23	23.22	22.80	23.5	0.0
40	QPSK	1	1	23.23	23.40	22.99		
40	QPSK	1	108	23.24	23.32	22.96	23.5	0.0
40	QPSK	1	214	23.18	23.34	22.78		
40	QPSK	108	0	23.16	23.31	22.92	23.5	0.0
40	QPSK	108	54	23.12	23.38	22.88	23.5	0.0
40	QPSK	108	108	23.12	23.30	22.78		
40	QPSK	216	0	23.10	23.32	22.86	23.5	0.0
40	16QAM	1	1	23.20	23.18	22.88	23.5	0.0
40	64QAM	1	1	22.46	22.69	22.63	23.0	0.5
40	256QAM	1	1	20.34	20.42	20.38	21.0	2.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	23.03	23.24	22.81	23.5	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	23.21	23.21	22.89	23.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	23.07	23.31	22.88	23.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	23.24	23.22	22.85	23.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	23.10	23.33	22.79	23.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	23.13	23.28	22.87	23.5	0.0



n38 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.89	19.14	18.93		
40	PI/2 BPSK	1	53	19.01	18.94	18.95	19.7	0.0
40	PI/2 BPSK	1	104	19.00	19.07	19.07		
40	PI/2 BPSK	50	0	18.90	19.03	19.10	19.7	0.0
40	PI/2 BPSK	50	28	18.88	19.09	18.90	19.7	0.0
40	PI/2 BPSK	50	56	18.95	18.94	19.02		
40	PI/2 BPSK	100	0	18.94	18.95	18.91	19.7	0.0
40	QPSK	1	1	19.01	19.15	19.11		
40	QPSK	1	53	18.90	19.00	19.01	19.7	0.0
40	QPSK	1	104	18.96	19.08	18.88		
40	QPSK	50	0	18.86	19.13	19.02	19.7	0.0
40	QPSK	50	28	18.90	19.08	18.91	19.7	0.0
40	QPSK	50	56	18.90	19.02	19.08		
40	QPSK	100	0	18.79	19.25	19.01	19.7	0.0
40	16QAM	1	1	18.83	18.98	18.97	19.7	0.0
40	64QAM	1	1	18.86	19.07	19.07	19.7	0.0
40	256QAM	1	1	18.90	18.97	18.90	19.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	19.7	0.0
30	QPSK	1	1	18.92	19.00	18.94		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	19.7	0.0
20	QPSK	1	1	18.87	19.01	19.10		
Channel				515592	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	19.7	0.0
15	QPSK	1	1	18.94	19.02	19.05		
Channel				516004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	19.7	0.0
10	QPSK	1	1	18.82	18.97	18.99		

n41 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.94	19.08	19.10		
100	PI/2 BPSK	1	137	19.01	19.10	18.94	19.7	0.0
100	PI/2 BPSK	1	271	19.05	19.09	19.05		
100	PI/2 BPSK	135	0	19.08	19.05	19.08	19.7	0.0
100	PI/2 BPSK	135	69	19.05	19.16	18.93	19.7	0.0
100	PI/2 BPSK	135	138	18.93	18.97	19.14		
100	PI/2 BPSK	270	0	19.07	19.10	19.03	19.7	0.0
100	QPSK	1	1	19.09	19.20	19.12		
100	QPSK	1	137	18.96	19.18	18.98	19.7	0.0
100	QPSK	1	271	19.03	19.19	18.93		
100	QPSK	135	0	18.92	19.00	19.01	19.7	0.0
100	QPSK	135	69	19.05	19.16	18.92	19.7	0.0
100	QPSK	135	138	18.96	19.11	19.06		
100	QPSK	270	0	18.94	19.07	18.95	19.7	0.0
100	16QAM	1	1	18.87	19.16	19.08	19.7	0.0
100	64QAM	1	1	19.05	19.17	18.92	19.7	0.0
100	256QAM	1	1	18.92	19.07	19.02	19.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	19.7	0.0
90	QPSK	1	1	18.92	19.02	19.13		
Channel				507204	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	19.7	0.0
80	QPSK	1	1	19.08	19.05	19.11		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	19.7	0.0
70	QPSK	1	1	19.03	19.08	19.05		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	19.7	0.0
60	QPSK	1	1	19.07	18.99	19.10		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	19.7	0.0
50	QPSK	1	1	19.00	19.08	19.02		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	19.7	0.0
40	QPSK	1	1	18.93	19.02	18.98		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	19.7	0.0
30	QPSK	1	1	18.88	19.02	18.98		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	19.7	0.0
20	QPSK	1	1	19.08	18.99	19.06		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	19.7	0.0
15	QPSK	1	1	18.91	19.12	19.14		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	19.7	0.0
10	QPSK	1	1	18.93	18.97	19.14		





n7 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	19.09	19.29	19.18		
40	PI/2 BPSK	1	108	19.18	19.31	19.24	20.2	0.0
40	PI/2 BPSK	1	214	19.22	19.26	19.09		
40	PI/2 BPSK	108	0	19.25	19.37	19.20	20.2	0.0
40	PI/2 BPSK	108	54	19.07	19.20	19.18	20.2	0.0
40	PI/2 BPSK	108	108	19.23	19.25	19.13		
40	PI/2 BPSK	216	0	19.19	19.37	19.10	20.2	0.0
40	QPSK	1	1	19.28	19.42	19.23		
40	QPSK	1	108	19.27	19.32	19.24	20.2	0.0
40	QPSK	1	214	19.13	19.19	19.18		
40	QPSK	108	0	19.22	19.40	19.20	20.2	0.0
40	QPSK	108	54	19.17	19.33	19.17	20.2	0.0
40	QPSK	108	108	19.11	19.28	19.22		
40	QPSK	216	0	19.19	19.30	19.17	20.2	0.0
40	16QAM	1	1	19.08	19.30	19.15	20.2	0.0
40	64QAM	1	1	19.20	19.30	19.13	20.2	0.0
40	256QAM	1	1	19.13	19.41	19.01	20.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.23	19.40	19.19	20.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.16	19.27	19.11	20.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	19.29	19.38	19.03	20.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.14	19.30	19.04	20.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.17	19.28	19.08	20.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.18	19.25	19.17	20.2	0.0

n66 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.11	21.34	20.93		
40	PI/2 BPSK	1	108	21.10	21.49	21.02	22.5	0.0
40	PI/2 BPSK	1	214	21.12	21.49	20.92		
40	PI/2 BPSK	108	0	21.17	21.26	21.06	22.5	0.0
40	PI/2 BPSK	108	54	21.12	21.44	21.02	22.5	0.0
40	PI/2 BPSK	108	108	21.28	21.37	20.92		
40	PI/2 BPSK	216	0	21.12	21.46	21.01	22.5	0.0
40	QPSK	1	1	21.30	21.50	21.09		
40	QPSK	1	108	21.24	21.41	21.07	22.5	0.0
40	QPSK	1	214	21.24	21.45	20.95		
40	QPSK	108	0	21.29	21.31	21.04	22.5	0.0
40	QPSK	108	54	21.25	21.46	20.87	22.5	0.0
40	QPSK	108	108	21.29	21.43	21.06		
40	QPSK	216	0	21.27	21.44	21.05	22.5	0.0
40	16QAM	1	1	21.11	21.25	21.09	22.5	0.0
40	64QAM	1	1	21.10	21.40	21.10	22.5	0.0
40	256QAM	1	1	19.05	19.22	19.19	21.0	1.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.20	21.27	21.00	22.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.22	21.29	21.06	22.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.24	21.41	20.98	22.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.27	21.41	21.07	22.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.30	21.34	21.10	22.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.13	21.45	20.98	22.5	0.0



n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.97	18.25	18.12		
40	PI/2 BPSK	1	53	17.88	18.29	17.99	19.7	0.0
40	PI/2 BPSK	1	104	17.89	18.31	17.98		
40	PI/2 BPSK	50	0	18.06	18.29	18.01	19.7	0.0
40	PI/2 BPSK	50	28	17.92	18.29	18.10	19.7	0.0
40	PI/2 BPSK	50	56	18.01	18.25	17.98		
40	PI/2 BPSK	100	0	17.90	18.25	18.08	19.7	0.0
40	QPSK	1	1	18.06	18.32	18.13		
40	QPSK	1	53	17.84	18.30	17.96	19.7	0.0
40	QPSK	1	104	17.92	18.13	18.09		
40	QPSK	50	0	18.07	18.25	17.93	19.7	0.0
40	QPSK	50	28	18.02	18.26	17.94	19.7	0.0
40	QPSK	50	56	17.93	18.25	18.15		
40	QPSK	100	0	17.87	18.21	18.05	19.7	0.0
40	16QAM	1	1	18.00	18.19	17.92	19.7	0.0
40	64QAM	1	1	17.95	18.31	18.07	19.7	0.0
40	256QAM	1	1	18.06	18.22	17.92	19.7	0.0
Channel				517002	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	17.92	18.30	18.10	19.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	17.92	18.23	18.01	19.7	0.0
Channel				515502	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)
15	QPSK	1	1	17.85	18.10	18.01	19.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	17.85	18.18	17.99	19.7	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.98	19.16	18.95		
100	PI/2 BPSK	1	137	19.02	19.01	18.87	20.7	0.0
100	PI/2 BPSK	1	271	18.97	19.16	18.88		
100	PI/2 BPSK	135	0	18.81	19.12	18.81	20.7	0.0
100	PI/2 BPSK	135	69	18.84	19.08	18.75	20.7	0.0
100	PI/2 BPSK	135	138	18.90	19.05	18.86		
100	PI/2 BPSK	270	0	19.01	19.08	18.90	20.7	0.0
100	QPSK	1	1	19.00	19.22	18.94		
100	QPSK	1	137	18.94	19.03	18.81	20.7	0.0
100	QPSK	1	271	19.00	19.07	18.84		
100	QPSK	135	0	18.82	19.16	18.72	20.7	0.0
100	QPSK	135	69	18.81	19.20	18.83	20.7	0.0
100	QPSK	135	138	18.83	19.01	18.90		
100	QPSK	270	0	18.94	19.17	18.86	20.7	0.0
100	16QAM	1	1	18.89	19.17	18.89	20.7	0.0
100	64QAM	1	1	18.89	19.20	18.78	20.7	0.0
100	256QAM	1	1	18.85	19.01	18.72	20.7	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	19.01	19.20	18.95	20.7	0.0
Channel				507204	518598	529996	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	19.01	19.00	18.85	20.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	18.99	19.19	18.78	20.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	18.89	19.20	18.80	20.7	0.0
Channel				504204	518598	532996	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	18.98	19.12	18.76	20.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	18.88	19.15	18.91	20.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	18.91	19.18	18.96	20.7	0.0
Channel				501204	518598	535996	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	18.88	19.09	18.82	20.7	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	18.90	19.15	18.74	20.7	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	18.93	19.06	18.85	20.7	0.0

### PC3 Part270 n77 Ant10 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.69	21.81	21.17	22.2	0.0
100	PI/2 BPSK	1	137	21.67	21.26	21.71		
100	PI/2 BPSK	1	271	21.68	21.81	21.73		
100	PI/2 BPSK	135	0	21.82	21.79	21.71	22.2	0.0
100	PI/2 BPSK	135	69	21.76	21.65	21.67	22.2	0.0
100	PI/2 BPSK	135	138	21.72	21.72	21.50	22.2	0.0
100	PI/2 BPSK	270	0	21.59	21.61	21.65		
100	QPSK	1	1	21.68	21.84	21.65	22.2	0.0
100	QPSK	1	137	21.78	21.80	21.67		
100	QPSK	1	271	21.71	21.67	21.68		
100	QPSK	135	0	21.57	21.59	21.51	22.2	0.0
100	QPSK	135	69	21.66	21.71	21.64	22.2	0.0
100	QPSK	135	138	21.62	21.65	21.81	22.2	0.0
100	QPSK	270	0	21.68	21.83	21.71		
100	16QAM	1	1	21.83	21.76	21.63	22.2	0.0
100	64QAM	1	1	21.56	21.66	21.71	22.2	0.0
100	256QAM	1	1	21.61	21.70	21.63	22.2	0.0
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	21.68	21.54	21.60	22.2	0.0
Channel				648334	650000	662868	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	21.80	21.71	21.77	22.2	0.0
Channel				648000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	21.82	21.74	21.78	22.2	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	21.40	21.79	21.79	22.2	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	21.79	21.83	21.69	22.2	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	21.70	21.83	21.78	22.2	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	21.78	21.69	21.47	22.2	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	21.70	21.67	21.78	22.2	0.0
Channel				5	650000	664834	Tune-up limit	MPR
Frequency (MHz)				-5999.925	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1	21.60	21.77	21.77	22.2	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	21.79	21.65	21.73	22.2	0.0



PC3 Part27Q n77 Ant10 DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI/2 BPSK	1	1		21.64		
100	PI/2 BPSK	1	137		21.61		22.2
100	PI/2 BPSK	1	271		21.64		0.0
100	PI/2 BPSK	135	0		21.54		22.2
100	PI/2 BPSK	135	69		21.46		22.2
100	PI/2 BPSK	135	138		21.52		0.0
100	PI/2 BPSK	270	0		21.35		22.2
100	QPSK	1	1		21.73		
100	QPSK	1	137		21.66		22.2
100	QPSK	1	271		21.67		0.0
100	QPSK	135	0		21.34		22.2
100	QPSK	135	69		21.66		0.0
100	QPSK	135	138		21.50		22.2
100	QPSK	270	0		21.54		0.0
100	16QAM	1	1		21.71		22.2
100	64QAM	1	1		21.55		22.2
100	256QAM	1	1		21.42		0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	633000	633334	633668	MPR
				3495	3500.01	3505.02	Tune-up limit (dBm)
				21.46	21.62	21.44	22.2
Channel							
Frequency (MHz)							
80	QPSK	1	1	632668	633334	634000	MPR
				3490.02	3500.01	3510	Tune-up limit (dBm)
				21.43	21.59	21.65	22.2
Channel							
Frequency (MHz)							
70	QPSK	1	1	632334	633334	634334	MPR
				3485.01	3500.01	3515.01	Tune-up limit (dBm)
				21.58	21.59	21.42	22.2
Channel							
Frequency (MHz)							
60	QPSK	1	1	632000	633334	634668	MPR
				3480	3500.01	3520.02	Tune-up limit (dBm)
				21.55	21.45	21.63	22.2
Channel							
Frequency (MHz)							
50	QPSK	1	1	631668	633334	635000	MPR
				3475.02	3500.01	3525	Tune-up limit (dBm)
				21.63	21.51	21.49	22.2
Channel							
Frequency (MHz)							
40	QPSK	1	1	631334	633334	635334	MPR
				3470.01	3500.01	3530.01	Tune-up limit (dBm)
				21.59	21.61	21.56	22.2
Channel							
Frequency (MHz)							
30	QPSK	1	1	631000	633334	635668	MPR
				3465	3500.01	3535.02	Tune-up limit (dBm)
				21.48	21.54	21.46	22.2
Channel							
Frequency (MHz)							
20	QPSK	1	1	630668	633334	636000	MPR
				3460.02	3500.01	3540	Tune-up limit (dBm)
				21.47	21.52	21.62	22.2
Channel							
Frequency (MHz)							
15	QPSK	1	1	630334	633334	636334	MPR
				3455.01	3500.01	3545.01	Tune-up limit (dBm)
				21.43	21.48	21.50	22.2
Channel							
Frequency (MHz)							
10	QPSK	1	1	630000	633334	636668	MPR
				3450	3500.01	3540	Tune-up limit (dBm)
				21.63	21.46	21.62	22.2

PC3 Part27Q n78 Ant10 DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI/2 BPSK	1	1		19.91		
100	PI/2 BPSK	1	137		19.95		20.7
100	PI/2 BPSK	1	271		20.04		0.0
100	PI/2 BPSK	135	0		20.09		20.7
100	PI/2 BPSK	135	69		20.18		20.7
100	PI/2 BPSK	135	138		20.11		0.0
100	PI/2 BPSK	270	0		19.87		20.7
100	QPSK	1	1		20.25		
100	QPSK	1	137		20.24		20.7
100	QPSK	1	271		20.20		0.0
100	QPSK	135	0		20.08		20.7
100	QPSK	135	69		20.12		0.0
100	QPSK	135	138		20.03		20.7
100	QPSK	270	0		20.10		0.0
100	16QAM	1	1		20.09		20.7
100	64QAM	1	1		20.12		20.7
100	256QAM	1	1		20.00		0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	649688	650000	650334	MPR
				3745.02	3750	3755.01	Tune-up limit (dBm)
				20.15	20.08	20.08	20.7
Channel							
Frequency (MHz)							
80	QPSK	1	1	649334	650000	650668	MPR
				3740.01	3750	3760.02	Tune-up limit (dBm)
				20.01	20.10	20.20	20.7
Channel							
Frequency (MHz)							
70	QPSK	1	1	649000	650000	651000	MPR
				3735	3750	3765	Tune-up limit (dBm)
				20.17	20.14	20.04	20.7
Channel							
Frequency (MHz)							
60	QPSK	1	1	648668	650000	651334	MPR
				3730.02	3750	3770.01	Tune-up limit (dBm)
				20.18	20.19	20.12	20.7
Channel							
Frequency (MHz)							
50	QPSK	1	1	648334	650000	651668	MPR
				3725.01	3750	3775.02	Tune-up limit (dBm)
				20.00	20.15	20.17	20.7
Channel							
Frequency (MHz)							
40	QPSK	1	1	648000	650000	652000	MPR
				3720	3750	3790	Tune-up limit (dBm)
				20.04	20.06	20.02	20.7
Channel							
Frequency (MHz)							
30	QPSK	1	1	647668	650000	652334	MPR
				3715.02	3750	3785.01	Tune-up limit (dBm)
				20.16	20.15	20.15	20.7
Channel							
Frequency (MHz)							
20	QPSK	1	1	647334	650000	652668	MPR
				3710.01	3750	3790.02	Tune-up limit (dBm)
				20.04	20.09	20.18	20.7
Channel							
Frequency (MHz)							
15	QPSK	1	1	647000	650000	653000	MPR
				3707.52	3750	3792.51	Tune-up limit (dBm)
				20.23	20.14	20.05	20.7
Channel							
Frequency (MHz)							
10	QPSK	1	1	647000	650000	653000	MPR
				3705	3750	3795	Tune-up limit (dBm)
				20.19	20.12	20.19	20.7

BW [MHz]	Modulation
Channel	
Frequency	
100	PI/2 BPSK
100	PI/2 BPSK
100	PI/2 BPSK
100	PI/2 BPSK
100	PI/2 BPSK
100	PI/2 BPSK
100	PI/2 BPSK
100	PI/2 BPSK
100	QPSK
100	QPSK
100	QPSK
100	QPSK
100	QPSK
100	QPSK
100	QPSK
100	QPSK
100	16QAM
100	64QAM
100	256QAM
Channel	
Frequency	
90	QPSK
Channel	
Frequency	
80	QPSK
Channel	
Frequency	
70	QPSK
Channel	
Frequency	
60	QPSK
Channel	
Frequency	
50	QPSK
Channel	
Frequency	
40	QPSK
Channel	
Frequency	
30	QPSK
Channel	
Frequency	
20	QPSK
Channel	
Frequency	
15	QPSK
Channel	
Frequency	
10	QPSK



### PC3 Part27Q n78 Ant10 DSI3

RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
1	1		633334			
135	69		3500.01			
1	1		19.75			
1	137		19.85		20.7	0.0
1	271		19.95			
135	0		20.07		20.7	0.0
135	69		20.02		20.7	0.0
135	138		19.95			
270	0		19.76		20.7	0.0
1	1		20.22			
1	137		19.97		20.7	0.0
1	271		20.20			
135	0		19.92		20.7	0.0
135	69		20.15		20.7	0.0
135	138		19.95			
270	0		20.10		20.7	0.0
1	1		19.80		20.7	0.0
1	1		20.12		20.7	0.0
1	1		20.09		20.7	0.0
1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
135	69	3495	3500.01	3505.02		
1	1	19.92	19.99	20.08	20.7	0.0
1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
135	69	3498.02	3500.01	3510		
1	1	19.92	19.93	19.92	20.7	0.0
1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
135	69	3485.01	3500.01	3515.01		
1	1	20.03	19.97	20.12	20.7	0.0
1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
135	69	3480	3500.01	3520.02		
1	1	20.05	20.08	20.02	20.7	0.0
1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
135	69	3475.02	3500.01	3525		
1	1	19.92	19.93	19.99	20.7	0.0
1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
135	69	3470.01	3500.01	3530.01		
1	1	19.97	20.00	20.06	20.7	0.0
1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
135	69	3465	3500.01	3535.02		
1	1	20.04	20.09	20.08	20.7	0.0
1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
135	69	3460.02	3500.01	3540		
1	1	20.12	19.99	19.90	20.7	0.0
1	1	630334	633334	636168	Tune-up limit (dBm)	MPR (dB)
135	69	3457.5	3500.01	3542.52		
1	1	20.08	19.96	19.97	20.7	0.0
1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
135	69	3455.01	3500.01	3545.01		
1	1	20.09	19.99	19.92	20.7	0.0

### PC3 Part270 n77 Ant13 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.97	20.04	20.02		
100	PI/2 BPSK	1	137	20.10	20.27	20.20	20.7	0.0
100	PI/2 BPSK	1	271	20.02	19.97	20.12		
100	PI/2 BPSK	135	0	20.31	20.26	20.16	20.7	0.0
100	PI/2 BPSK	135	69	20.26	20.29	20.07	20.7	0.0
100	PI/2 BPSK	135	138	20.05	20.15	20.23	20.7	0.0
100	PI/2 BPSK	270	0	20.15	20.21	20.24		
100	QPSK	1	1	20.24	20.33	20.11		
100	QPSK	1	137	20.18	20.15	20.32	20.7	0.0
100	QPSK	1	271	20.16	20.05	19.99		
100	QPSK	135	0	20.06	20.11	20.06	20.7	0.0
100	QPSK	135	69	20.19	20.31	20.10	20.7	0.0
100	QPSK	135	138	20.17	20.00	20.04	20.7	0.0
100	QPSK	270	0	20.07	20.25	20.23		
100	16QAM	1	1	20.02	20.11	20.21	20.7	0.0
100	64QAM	1	1	20.24	20.02	20.20	20.7	0.0
100	256QAM	1	1	20.02	20.12	19.95	20.7	0.0
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.24	20.06	19.95	20.7	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.18	20.13	20.09	20.7	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.07	19.93	20.04	20.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.25	20.04	20.01	20.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.13	19.99	20.05	20.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.08	19.99	20.01	20.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.03	19.94	20.04	20.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.15	20.05	19.98	20.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.02	20.05	20.09	20.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.23	20.12	20.09	20.7	0.0



PC3 Part27Q n77 Ant13 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.07		20.7	0.0	
100	PI/2 BPSK	1	137		20.18				
100	PI/2 BPSK	1	271		19.97				
100	PI/2 BPSK	135	0		20.07		20.7	0.0	
100	PI/2 BPSK	135	69		20.15		20.7	0.0	
100	PI/2 BPSK	135	138		20.10				
100	PI/2 BPSK	270	0		19.93		20.7	0.0	
100	QPSK	1	1		20.20				
100	QPSK	1	137		20.10		20.7	0.0	
100	QPSK	1	271		19.90				
100	QPSK	135	0		19.97		20.7	0.0	
100	QPSK	135	69		20.04		20.7	0.0	
100	QPSK	135	138		20.01				
100	QPSK	270	0		20.02		20.7	0.0	
100	16QAM	1	1		20.10		20.7	0.0	
100	64QAM	1	1		20.09		20.7	0.0	
100	256QAM	1	1		19.94		20.7	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		20.01	20.03	20.08	20.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		19.97	19.91	19.89	20.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		20.12	20.10	19.89	20.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		20.11	20.02	19.90	20.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		19.93	19.94	20.00	20.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		19.93	20.08	19.89	20.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		19.90	19.90	20.05	20.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		20.08	19.95	20.05	20.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		19.89	20.03	19.95	20.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		19.91	20.00	20.01	20.7	0.0

PC3 Part270 n78 Ant13 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.85		20.7	0.0
100	PI/2 BPSK	1	137		20.07			
100	PI/2 BPSK	1	271		19.85			
100	PI/2 BPSK	135	0		20.17		20.7	0.0
100	PI/2 BPSK	135	69		19.86		20.7	0.0
100	PI/2 BPSK	135	138		20.04			
100	PI/2 BPSK	270	0		20.06		20.7	0.0
100	QPSK	1	1		20.21			
100	QPSK	1	137		20.08		20.7	0.0
100	QPSK	1	271		20.15			
100	QPSK	135	0		20.03		20.7	0.0
100	QPSK	135	69		20.11		20.7	0.0
100	QPSK	135	138		20.04			
100	QPSK	270	0		20.09		20.7	0.0
100	16QAM	1	1		20.02		20.7	0.0
100	64QAM	1	1		20.00		20.7	0.0
100	256QAM	1	1		20.02		20.7	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1		20.13	20.12	20.07	20.7
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1		20.04	20.03	20.12	20.7
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1		20.04	20.01	19.95	20.7
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1		19.94	20.12	20.16	20.7
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1		20.04	20.01	20.05	20.7
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1		20.07	19.95	20.07	20.7
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1		20.02	19.97	20.03	20.7
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1		19.94	19.99	20.05	20.7
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1		19.97	20.07	19.99	20.7
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1		20.09	20.13	20.05	20.7



PC3 Part27Q n78 Ant13 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.98				
100	PI/2 BPSK	1	137		20.03		20.7	0.0	
100	PI/2 BPSK	1	271		19.93				
100	PI/2 BPSK	135	0		20.02		20.7	0.0	
100	PI/2 BPSK	135	69		19.80		20.7	0.0	
100	PI/2 BPSK	135	138		19.86				
100	PI/2 BPSK	270	0		20.05		20.7	0.0	
100	QPSK	1	1		20.24				
100	QPSK	1	137		19.99		20.7	0.0	
100	QPSK	1	271		20.01				
100	QPSK	135	0		19.87		20.7	0.0	
100	QPSK	135	69		20.12		20.7	0.0	
100	QPSK	135	138		19.95				
100	QPSK	270	0		20.09		20.7	0.0	
100	16QAM	1	1		19.87		20.7	0.0	
100	64QAM	1	1		19.86		20.7	0.0	
100	256QAM	1	1		20.00		20.7	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		19.98	20.18	20.09	20.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		19.97	19.98	20.02	20.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		20.16	20.19	20.15	20.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		19.98	20.09	20.16	20.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.07	20.17	20.04	20.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.12	20.17	19.96	20.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.04	20.08	20.04	20.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		20.16	20.16	20.10	20.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.62			
15	QPSK	1	1		20.04	19.97	20.16	20.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		20.17	20.04	20.10	20.7	0.0



PC2 Part270 n77 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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.06	23.32	23.10		
100	PI/2 BPSK	1	137	23.12	23.43	23.05	25.0	0.0
100	PI/2 BPSK	1	271	23.06	23.42	23.05		
100	PI/2 BPSK	135	0	23.06	23.45	23.01	25.0	0.0
100	PI/2 BPSK	135	69	23.07	23.36	23.10	25.0	0.0
100	PI/2 BPSK	135	138	23.11	23.40	23.14	25.0	0.0
100	PI/2 BPSK	270	0	23.21	23.41	23.05		
100	QPSK	1	1	23.15	23.50	23.13		
100	QPSK	1	137	23.10	23.33	23.16	25.0	0.0
100	QPSK	1	271	23.13	23.30	23.12		
100	QPSK	135	0	23.16	23.23	23.03	25.0	0.0
100	QPSK	135	69	23.07	23.44	23.18	25.0	0.0
100	QPSK	135	138	23.15	23.29	23.06	25.0	0.0
100	QPSK	270	0	23.15	23.33	23.11		
100	16QAM	1	1	23.16	23.46	23.15	25.0	0.0
100	64QAM	1	1	23.07	23.43	23.09	25.0	0.0
100	256QAM	1	1	23.14	23.47	23.17	25.0	0.0
Channel				646988	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	25.0	0.0
90	QPSK	1	1	23.14	23.25	23.14		
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	25.0	0.0
80	QPSK	1	1	23.01	23.34	23.05	25.0	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	25.0	0.0
70	QPSK	1	1	23.02	23.31	23.21	25.0	0.0
Channel				646688	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	25.0	0.0
60	QPSK	1	1	23.10	23.37	23.25	25.0	0.0
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	25.0	0.0
50	QPSK	1	1	23.02	23.25	23.05	25.0	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	25.0	0.0
40	QPSK	1	1	23.20	23.34	23.28	25.0	0.0
Channel				647688	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	25.0	0.0
30	QPSK	1	1	23.05	23.30	23.05	25.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	25.0	0.0
20	QPSK	1	1	23.05	23.35	23.08	25.0	0.0
Channel				647188	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51	25.0	0.0
15	QPSK	1	1	23.05	23.28	23.14	25.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	25.0	0.0
10	QPSK	1	1	23.03	23.34	23.03	25.0	0.0

PC2 Part27Q n77 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				630000	633334	635000		
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	23.86				
100	PI/2 BPSK	1	137	23.85			25.0	0.0
100	PI/2 BPSK	1	271	23.69				
100	PI/2 BPSK	135	0	23.84			25.0	0.0
100	PI/2 BPSK	135	69	23.68			25.0	0.0
100	PI/2 BPSK	135	138	23.88			25.0	0.0
100	PI/2 BPSK	270	0	23.80				
100	QPSK	1	1	23.91				
100	QPSK	1	137	23.90			25.0	0.0
100	QPSK	1	271	23.73				
100	QPSK	135	0	23.80			25.0	0.0
100	QPSK	135	69	23.87			25.0	0.0
100	QPSK	135	138	23.85			25.0	0.0
100	QPSK	270	0	23.86				
100	16QAM	1	1	23.80			25.0	0.0
100	64QAM	1	1	23.81			25.0	0.0
100	256QAM	1	1	23.78			25.0	0.0
Channel				630000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	25.0	0.0
90	QPSK	1	1	23.72	23.77	23.62		
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	23.60	23.90	23.74	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	25.0	0.0
70	QPSK	1	1	23.69	23.73	23.63	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	23.59	23.78	23.79	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	23.75	23.78	23.68	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	25.0	0.0
40	QPSK	1	1	23.77	23.61	23.63	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	25.0	0.0
30	QPSK	1	1	23.75	23.59	23.62	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	23.74	23.79	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	23.70	23.82	23.69	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	23.58	23.59	23.61	25.0	0.0



### PC2 Part270 n78 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.25		23.5	0.0	
100	PI/2 BPSK	1	137		22.38				
100	PI/2 BPSK	1	271		22.21				
100	PI/2 BPSK	135	0		22.35		23.5	0.0	
100	PI/2 BPSK	135	69		22.19		23.5	0.0	
100	PI/2 BPSK	135	138		22.32				
100	PI/2 BPSK	270	0		22.27		23.5	0.0	
100	QPSK	1	1		22.45				
100	QPSK	1	137		22.39		23.5	0.0	
100	QPSK	1	271		22.41				
100	QPSK	135	0		22.35		23.5	0.0	
100	QPSK	135	69		22.40		23.5	0.0	
100	QPSK	135	138		22.20				
100	QPSK	270	0		22.38		23.5	0.0	
100	16QAM	1	1		22.35		23.5	0.0	
100	64QAM	1	1		22.28		23.5	0.0	
100	256QAM	1	1		22.41		23.5	0.0	
Channel				648668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.28	22.31	22.37	23.5	0.0
Channel				648334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.40	22.30	22.37	23.5	0.0
Channel				648000	650000	651000			
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.35	22.33	22.20	23.5	0.0
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.27	22.38	22.37	23.5	0.0
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.30	22.28	22.37	23.5	0.0
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.21	22.29	22.29	23.5	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.32	22.20	22.18	23.5	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.39	22.32	22.19	23.5	0.0
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.61	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.28	22.26	22.26	23.5	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.38	22.34	22.35	23.5	0.0



PC2 Part27Q n78 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.34			
100	PI/2 BPSK	1	137		22.43		23.5	0.0
100	PI/2 BPSK	1	271		22.15			
100	PI/2 BPSK	135	0		22.39		23.5	0.0
100	PI/2 BPSK	135	69		22.07		23.5	0.0
100	PI/2 BPSK	135	138		22.36		23.5	0.0
100	PI/2 BPSK	270	0		22.35			
100	QPSK	1	1		22.51			
100	QPSK	1	137		22.27		23.5	0.0
100	QPSK	1	271		22.39			
100	QPSK	135	0		22.37		23.5	0.0
100	QPSK	135	69		22.46		23.5	0.0
100	QPSK	135	138		22.11		23.5	0.0
100	QPSK	270	0		22.40			
100	16QAM	1	1		22.42		23.5	0.0
100	64QAM	1	1		22.23		23.5	0.0
100	256QAM	1	1		22.49		23.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		22.35	22.35	22.19	23.5
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		22.20	22.24	22.33	23.5
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		22.28	22.38	22.35	23.5
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		22.39	22.42	22.40	23.5
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		22.27	22.38	22.36	23.5
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		22.38	22.33	22.19	23.5
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		22.31	22.41	22.25	23.5
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		22.39	22.22	22.29	23.5
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		22.28	22.33	22.39	23.5
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		22.19	22.24	22.26	23.5



PC2 Part270 n77 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.34	22.64	22.42			
100	PI/2 BPSK	1	137	22.58	22.65	22.77	23.2	0.0	
100	PI/2 BPSK	1	271	22.36	22.45	22.37			
100	PI/2 BPSK	135	0	22.51	22.62	22.55	23.2	0.0	
100	PI/2 BPSK	135	69	22.59	22.72	22.61	23.2	0.0	
100	PI/2 BPSK	135	138	22.28	22.52	22.27			
100	PI/2 BPSK	270	0	22.69	22.75	22.54	23.2	0.0	
100	QPSK	1	1	22.75	22.85	22.74			
100	QPSK	1	137	22.43	22.81	22.52	23.2	0.0	
100	QPSK	1	271	22.50	22.68	22.53			
100	QPSK	135	0	22.76	22.64	22.64	23.2	0.0	
100	QPSK	135	69	22.74	22.80	22.61	23.2	0.0	
100	QPSK	135	138	22.28	22.54	22.30			
100	QPSK	270	0	22.36	22.57	22.50	23.2	0.0	
100	16QAM	1	1	22.44	22.60	22.53	23.2	0.0	
100	64QAM	1	1	22.51	22.80	22.78	23.2	0.0	
100	256QAM	1	1	22.41	22.63	22.35	23.2	0.0	
Channel				646988	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	23.2	0.0	
90	QPSK	1	1	22.75	22.77	22.53			
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	23.2	0.0	
80	QPSK	1	1	22.62	22.67	22.62			
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	23.2	0.0	
70	QPSK	1	1	22.60	22.61	22.72			
Channel				646898	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	23.2	0.0	
60	QPSK	1	1	22.69	22.62	22.67			
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	23.2	0.0	
50	QPSK	1	1	22.59	22.81	22.67			
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	23.2	0.0	
40	QPSK	1	1	22.67	22.82	22.69			
Channel				647698	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	23.2	0.0	
30	QPSK	1	1	22.59	22.83	22.59			
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	23.2	0.0	
20	QPSK	1	1	22.59	22.69	22.72			
Channel				647188	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51	23.2	0.0	
15	QPSK	1	1	22.59	22.81	22.60			
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	23.2	0.0	
10	QPSK	1	1	22.57	22.71	22.64			

PC2 Part27Q n77 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	22.58					
100	PI/2 BPSK	1	137	22.69			23.2	0.0	
100	PI/2 BPSK	1	271	22.58					
100	PI/2 BPSK	135	0	22.46			23.2	0.0	
100	PI/2 BPSK	135	69	22.70			23.2	0.0	
100	PI/2 BPSK	135	138	22.56					
100	PI/2 BPSK	270	0	22.69			23.2	0.0	
100	QPSK	1	1	22.96					
100	QPSK	1	137	22.58			23.2	0.0	
100	QPSK	1	271	22.65					
100	QPSK	135	0	22.82			23.2	0.0	
100	QPSK	135	69	22.83			23.2	0.0	
100	QPSK	135	138	22.54					
100	QPSK	270	0	22.80			23.2	0.0	
100	16QAM	1	1	22.58			23.2	0.0	
100	64QAM	1	1	22.68			23.2	0.0	
100	256QAM	1	1	22.41			23.2	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	23.2	0.0	
90	QPSK	1	1	22.59	22.57	22.83			
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	23.2	0.0	
80	QPSK	1	1	22.68	22.80	22.72			
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	23.2	0.0	
70	QPSK	1	1	22.60	22.73	22.72			
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	23.2	0.0	
60	QPSK	1	1	22.48	22.78	22.69			
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	23.2	0.0	
50	QPSK	1	1	22.48	22.69	22.79			
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	23.2	0.0	
40	QPSK	1	1	22.63	22.70	22.72			
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	23.2	0.0	
30	QPSK	1	1	22.60	22.57	22.80			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.2	0.0	
20	QPSK	1	1	22.61	22.59	22.71			
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	23.2	0.0	
15	QPSK	1	1	22.46	22.69	22.63			
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	23.2	0.0	
10	QPSK	1	1	22.67	22.66	22.72			



**PC2 Part270 n78 Ant3 DSI3**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		23.03				
100	PI/2 BPSK	1	137		23.02		23.7	0.0	
100	PI/2 BPSK	1	271		22.81				
100	PI/2 BPSK	135	0		22.98		23.7	0.0	
100	PI/2 BPSK	135	69		22.93		23.7	0.0	
100	PI/2 BPSK	135	138		22.85				
100	PI/2 BPSK	270	0		22.89		23.7	0.0	
100	QPSK	1	1		23.14				
100	QPSK	1	137		22.83		23.7	0.0	
100	QPSK	1	271		22.96				
100	QPSK	135	0		22.99		23.7	0.0	
100	QPSK	135	69		23.12		23.7	0.0	
100	QPSK	135	138		22.94				
100	QPSK	270	0		23.03		23.7	0.0	
100	16QAM	1	1		23.08		23.7	0.0	
100	64QAM	1	1		22.89		23.7	0.0	
100	256QAM	1	1		22.92		23.7	0.0	
Channel				648668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.89	22.87	23.7	0.0	
Channel				648334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		23.08	22.94	22.83	23.7	0.0
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.93	23.07	22.92	23.7	0.0
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.92	22.95	22.89	23.7	0.0
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		23.06	23.09	22.84	23.7	0.0
Channel				649000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.97	23.12	22.80	23.7	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.90	23.05	22.90	23.7	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.88	22.91	22.94	23.7	0.0
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.61			
15	QPSK	1	1		23.03	23.11	22.80	23.7	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.90	23.13	22.85	23.7	0.0



PC2 Part27Q n78 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.72				
100	PI/2 BPSK	1	137		22.77		23.7	0.0	
100	PI/2 BPSK	1	271		22.56				
100	PI/2 BPSK	135	0		22.73		23.7	0.0	
100	PI/2 BPSK	135	69		22.88		23.7	0.0	
100	PI/2 BPSK	135	138		22.56				
100	PI/2 BPSK	270	0		22.55		23.7	0.0	
100	QPSK	1	1		23.02				
100	QPSK	1	137		22.56		23.7	0.0	
100	QPSK	1	271		22.61				
100	QPSK	135	0		22.87		23.7	0.0	
100	QPSK	135	69		22.89		23.7	0.0	
100	QPSK	135	138		22.59				
100	QPSK	270	0		22.86		23.7	0.0	
100	16QAM	1	1		22.68		23.7	0.0	
100	64QAM	1	1		22.49		23.7	0.0	
100	256QAM	1	1		22.52		23.7	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.93	22.63	22.65	23.7	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.92	22.71	22.88	23.7	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.93	22.61	22.71	23.7	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.89	22.68	22.81	23.7	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.88	22.71	22.74	23.7	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.88	22.78	22.68	23.7	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.90	22.79	22.65	23.7	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.78	22.62	22.65	23.7	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.86	22.65	22.75	23.7	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.83	22.67	22.65	23.7	0.0



### PC2 Part27O n77 Ant10 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	PI/2 BPSK	1	1	24.36	24.53	24.12	25.2	0.0
100	PI/2 BPSK	1	137	24.20	24.55	24.20		
100	PI/2 BPSK	1	271	24.24	24.55	24.30		
100	PI/2 BPSK	135	0	24.29	24.53	24.29		
100	PI/2 BPSK	135	69	24.18	24.56	24.14		
100	PI/2 BPSK	135	138	24.18	24.39	24.20		
100	PI/2 BPSK	270	0	24.36	24.39	24.23		
100	QPSK	1	1	24.36	24.59	24.28		
100	QPSK	1	137	24.24	24.56	24.22		
100	QPSK	1	271	24.18	24.57	24.15		
100	QPSK	135	0	24.33	24.39	24.11		
100	QPSK	135	69	24.21	24.57	24.29		
100	QPSK	135	138	24.19	24.48	24.20		
100	QPSK	270	0	24.17	24.50	24.20		
100	16QAM	1	1	24.23	24.58	24.27	25.2	0.0
100	64QAM	1	1	24.18	24.44	24.20	25.2	0.0
100	256QAM	1	1	24.31	24.40	24.27	25.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.38	24.48	24.12	25.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.15	24.40	24.17	25.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.29	24.37	24.23	25.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.19	24.51	24.20	25.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.33	24.59	24.19	25.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.19	24.46	24.16	25.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.35	24.52	24.17	25.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.23	24.46	24.06	25.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.33	24.57	24.07	25.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.26	24.44	24.16	25.2	0.0

### PC2 Part27Q n77 Ant10 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	PI/2 BPSK	1	1	24.47	24.51	24.47	25.2	0.0
100	PI/2 BPSK	1	137	24.39	24.39	24.39		
100	PI/2 BPSK	1	271	24.43	24.43	24.43		
100	PI/2 BPSK	135	0	24.47	24.47	24.47		
100	PI/2 BPSK	135	69	24.37	24.37	24.37		
100	PI/2 BPSK	135	138	24.18	24.18	24.18		
100	PI/2 BPSK	270	0	24.27	24.27	24.27		
100	QPSK	1	1	24.44	24.44	24.44		
100	QPSK	1	137	24.60	24.60	24.60		
100	QPSK	1	271	24.57	24.57	24.57		
100	QPSK	135	0	24.30	24.30	24.30		
100	QPSK	135	69	24.49	24.49	24.49		
100	QPSK	135	138	24.32	24.32	24.32		
100	QPSK	270	0	24.42	24.42	24.42		
100	16QAM	1	1	24.42	24.42	24.42	25.2	0.0
100	64QAM	1	1	24.24	24.24	24.24	25.2	0.0
100	256QAM	1	1	24.21	24.21	24.21	25.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.30	24.40	24.30	25.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.30	24.45	24.31	25.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.20	24.30	24.45	25.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.33	24.30	24.35	25.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.40	24.30	24.49	25.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.33	24.30	24.37	25.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.33	24.41	24.51	25.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.30	24.37	24.50	25.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.33	24.52	24.33	25.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.31	24.48	24.31	25.2	0.0

### PC2 F

BW [MHz]	Modulation	RB Size
Channel		
Frequency (MHz)		
100	PI/2 BPSK	1
100	PI/2 BPSK	1
100	PI/2 BPSK	1
100	PI/2 BPSK	135
100	PI/2 BPSK	135
100	PI/2 BPSK	135
100	PI/2 BPSK	270
100	QPSK	1
100	QPSK	1
100	QPSK	1
100	QPSK	135
100	QPSK	135
100	QPSK	135
100	QPSK	270
100	16QAM	1
100	64QAM	1
100	256QAM	1
Channel		
Frequency (MHz)		
90	QPSK	1
Channel		
Frequency (MHz)		
80	QPSK	1
Channel		
Frequency (MHz)		
70	QPSK	1
Channel		
Frequency (MHz)		
60	QPSK	1
Channel		
Frequency (MHz)		
50	QPSK	1
Channel		
Frequency (MHz)		
40	QPSK	1
Channel		
Frequency (MHz)		
30	QPSK	1
Channel		
Frequency (MHz)		
20	QPSK	1
Channel		
Frequency (MHz)		
15	QPSK	1
Channel		
Frequency (MHz)		
10	QPSK	1





### Part27Q n78 Ant10 DSI3

RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	650000	650000	650000		
	3750	3750	3750		
1	22.78	22.78	22.78		
137	22.87	22.87	22.87	23.7	0.0
271	22.89	22.89	22.89		
0	23.02	23.02	23.02	23.7	0.0
69	22.99	22.99	22.99	23.7	0.0
138	22.84	22.84	22.84	23.7	0.0
0	22.79	22.79	22.79		
1	23.04	23.04	23.04		
137	23.01	23.01	23.01	23.7	0.0
271	23.01	23.01	23.01		
0	22.84	22.84	22.84	23.7	0.0
69	22.97	22.97	22.97	23.7	0.0
138	22.84	22.84	22.84	23.7	0.0
0	22.95	22.95	22.95		
1	22.84	22.84	22.84	23.7	0.0
1	23.01	23.01	23.01	23.7	0.0
1	22.91	22.91	22.91	23.7	0.0
	649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
	3745.02	3750	3755.01	23.7	0.0
1	22.91	22.92	22.77	23.7	0.0
	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
	3740.01	3750	3760.02	23.7	0.0
1	22.90	22.74	22.73	23.7	0.0
	649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
	3735	3750	3765	23.7	0.0
1	22.78	22.80	22.95	23.7	0.0
	648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
	3730.02	3750	3770.01	23.7	0.0
1	22.95	22.89	22.89	23.7	0.0
	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
	3725.01	3750	3775.02	23.7	0.0
1	22.74	22.84	22.91	23.7	0.0
	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
	3720	3750	3780	23.7	0.0
1	22.85	22.75	22.79	23.7	0.0
	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
	3715.02	3750	3785.01	23.7	0.0
1	22.82	22.83	22.77	23.7	0.0
	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
	3710.01	3750	3790.02	23.7	0.0
1	22.95	22.81	22.73	23.7	0.0
	647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
	3707.52	3750	3792.51	23.7	0.0
1	22.83	22.93	22.79	23.7	0.0
	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
	3705	3750	3795	23.7	0.0
1	22.78	22.86	22.89	23.7	0.0

### PC2 Part27Q n78 Ant10 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				633334	633334	633334		
				3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1	23.03	23.03	23.03	23.7	0.0
100	PI/2 BPSK	1	137	22.96	22.96	22.96		
100	PI/2 BPSK	1	271	23.14	23.14	23.14		
100	PI/2 BPSK	135	0	23.12	23.12	23.12	23.7	0.0
100	PI/2 BPSK	135	69	22.96	22.96	22.96	23.7	0.0
100	PI/2 BPSK	135	138	22.97	22.97	22.97	23.7	0.0
100	PI/2 BPSK	270	0	22.93	22.93	22.93		
100	QPSK	1	1	23.17	23.17	23.17	23.7	0.0
100	QPSK	1	137	23.02	23.02	23.02		
100	QPSK	1	271	23.01	23.01	23.01		
100	QPSK	135	0	23.00	23.00	23.00	23.7	0.0
100	QPSK	135	69	22.94	22.94	22.94	23.7	0.0
100	QPSK	135	138	22.88	22.88	22.88	23.7	0.0
100	QPSK	270	0	22.91	22.91	22.91		
100	16QAM	1	1	23.07	23.07	23.07	23.7	0.0
100	64QAM	1	1	23.02	23.02	23.02	23.7	0.0
100	256QAM	1	1	23.10	23.10	23.10	23.7	0.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02	23.7	0.0
90	QPSK	1	1	23.10	23.15	23.01	23.7	0.0
Channel								
Frequency (MHz)								
				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3490.02	3500.01	3510	23.7	0.0
80	QPSK	1	1	23.07	23.12	23.10	23.7	0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01	23.7	0.0
70	QPSK	1	1	23.12	22.85	23.10	23.7	0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02	23.7	0.0
60	QPSK	1	1	23.10	23.10	23.15	23.7	0.0
Channel								
Frequency (MHz)								
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525	23.7	0.0
50	QPSK	1	1	23.10	23.02	23.10	23.7	0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01	23.7	0.0
40	QPSK	1	1	23.03	23.10	23.08	23.7	0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02	23.7	0.0
30	QPSK	1	1	23.02	23.09	23.01	23.7	0.0
Channel								
Frequency (MHz)								
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540	23.7	0.0
20	QPSK	1	1	23.11	23.01	23.09	23.7	0.0
Channel								
Frequency (MHz)								
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.52	23.7	0.0
15	QPSK	1	1	23.04	23.02	23.10	23.7	0.0
Channel								
Frequency (MHz)								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3455.01	3500.01	3545.01	23.7	0.0
10	QPSK	1	1	23.08	23.10	23.10	23.7	0.0



**PC2 Part27O n77 Ant13 DSI3**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.03	22.14	22.04		
100	PI/2 BPSK	1	137	22.07	22.29	22.03	23.7	0.0
100	PI/2 BPSK	1	271	22.17	22.15	22.13		
100	PI/2 BPSK	135	0	21.98	22.33	22.06	23.7	0.0
100	PI/2 BPSK	135	69	22.06	22.30	22.00	23.7	0.0
100	PI/2 BPSK	135	138	22.00	22.27	22.09	23.7	0.0
100	PI/2 BPSK	270	0	22.10	22.23	22.15	23.7	0.0
100	QPSK	1	1	22.16	22.34	22.15		
100	QPSK	1	137	22.06	22.31	22.06	23.7	0.0
100	QPSK	1	271	22.15	22.19	22.02		
100	QPSK	135	0	22.10	22.20	21.98	23.7	0.0
100	QPSK	135	69	21.94	22.30	22.10	23.7	0.0
100	QPSK	135	138	22.05	22.23	22.14	23.7	0.0
100	QPSK	270	0	21.98	22.25	22.07	23.7	0.0
100	16QAM	1	1	21.99	22.20	22.03	23.7	0.0
100	64QAM	1	1	22.18	22.25	22.05	23.7	0.0
100	256QAM	1	1	22.09	22.16	21.97	23.7	0.0
Channel				648668	658000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.16	22.29	22.11	23.7	0.0
Channel				648334	658000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.08	22.32	22.05	23.7	0.0
Channel				648000	658000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.11	22.29	22.01	23.7	0.0
Channel				648668	658000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.05	22.15	22.14	23.7	0.0
Channel				648334	658000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.99	22.25	22.02	23.7	0.0
Channel				648000	658000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.03	22.26	22.00	23.7	0.0
Channel				647668	658000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.10	22.20	22.05	23.7	0.0
Channel				647334	658000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.17	22.20	22.08	23.7	0.0
Channel				647168	658000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.95	22.19	22.01	23.7	0.0
Channel				647000	658000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.14	22.33	22.17	23.7	0.0



PC2 Part27Q n77 Ant13 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.13	22.22		23.7	0.0
100	PI/2 BPSK	1	137	22.22	22.22			
100	PI/2 BPSK	1	271	22.00	22.00			
100	PI/2 BPSK	135	0	22.16	22.16		23.7	0.0
100	PI/2 BPSK	135	69	22.23	22.23		23.7	0.0
100	PI/2 BPSK	135	138	22.09	22.09			
100	PI/2 BPSK	270	0	22.11	22.11		23.7	0.0
100	QPSK	1	1	22.33	22.33			
100	QPSK	1	137	22.24	22.24		23.7	0.0
100	QPSK	1	271	22.15	22.15			
100	QPSK	135	0	22.05	22.05		23.7	0.0
100	QPSK	135	69	22.30	22.30		23.7	0.0
100	QPSK	135	138	22.26	22.26			
100	QPSK	270	0	22.28	22.28		23.7	0.0
100	16QAM	1	1	22.20	22.20		23.7	0.0
100	64QAM	1	1	22.12	22.12		23.7	0.0
100	256QAM	1	1	22.22	22.22		23.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.18	22.20	22.03	23.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.16	22.06	22.03	23.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.12	22.23	22.03	23.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.12	22.13	22.16	23.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.22	22.12	22.13	23.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.02	22.23	22.15	23.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.11	22.16	22.22	23.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.02	22.24	22.01	23.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.02	22.05	22.12	23.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.22	22.03	22.11	23.7	0.0

PC2 Part270 n78 Ant13 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.93		23.7	0.0	
100	PI/2 BPSK	1	137		23.06				
100	PI/2 BPSK	1	271		22.96				
100	PI/2 BPSK	135	0		23.14		23.7	0.0	
100	PI/2 BPSK	135	69		22.96		23.7	0.0	
100	PI/2 BPSK	135	138		23.04		23.7	0.0	
100	PI/2 BPSK	270	0		23.02				
100	QPSK	1	1		23.20		23.7	0.0	
100	QPSK	1	137		22.99				
100	QPSK	1	271		23.13				
100	QPSK	135	0		23.02		23.7	0.0	
100	QPSK	135	69		23.11		23.7	0.0	
100	QPSK	135	138		23.07		23.7	0.0	
100	QPSK	270	0		23.08				
100	16QAM	1	1		22.96		23.7	0.0	
100	64QAM	1	1		23.02		23.7	0.0	
100	256QAM	1	1		22.16		22.2	1.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		23.01	22.97	23.7	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		23.03	23.11	22.93	23.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		23.04	22.91	23.04	23.7	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		23.03	22.95	23.11	23.7	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		22.95	23.12	22.97	23.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		23.03	23.02	23.02	23.7	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		23.06	22.96	23.01	23.7	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		22.97	23.14	22.98	23.7	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		23.00	23.08	23.12	23.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		22.98	22.93	23.00	23.7	0.0



PC2 Part27Q n78 Ant13 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	23.07			23.7	0.0
100	PI/2 BPSK	1	137	23.36				
100	PI/2 BPSK	1	271	23.16				
100	PI/2 BPSK	135	0	23.43			23.7	0.0
100	PI/2 BPSK	135	69	23.10			23.7	0.0
100	PI/2 BPSK	135	138	23.14			23.7	0.0
100	PI/2 BPSK	270	0	23.15				
100	QPSK	1	1	23.45			23.7	0.0
100	QPSK	1	137	23.13				
100	QPSK	1	271	23.30				
100	QPSK	135	0	23.15			23.7	0.0
100	QPSK	135	69	23.21			23.7	0.0
100	QPSK	135	138	23.25			23.7	0.0
100	QPSK	270	0	23.32				
100	16QAM	1	1	23.08			23.7	0.0
100	64QAM	1	1	23.22			23.7	0.0
100	256QAM	1	1	22.11			22.2	1.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.19	23.27	23.22	23.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.28	23.38	23.36	23.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	23.40	23.25	23.41	23.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.40	23.29	23.24	23.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.18	23.41	23.25	23.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	23.41	23.26	23.36	23.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	23.37	23.27	23.26	23.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.32	23.24	23.33	23.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	23.28	23.27	23.39	23.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	23.34	23.39	23.29	23.7	0.0



n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.02	25.16	24.97	25.7	0.0
20	PI/2 BPSK	1	53	24.97	25.11	25.07		
20	PI/2 BPSK	1	104	24.73	24.95	24.82		
20	PI/2 BPSK	50	0	24.68	24.74	24.63	25.2	0.5
20	PI/2 BPSK	50	28	24.81	24.96	24.94	25.7	0.0
20	PI/2 BPSK	50	56	24.23	24.38	24.39	25.2	0.5
20	PI/2 BPSK	100	0	24.44	24.47	24.45		
20	QPSK	1	1	25.09	25.25	25.10		
20	QPSK	1	53	25.02	25.04	25.05	25.7	0.0
20	QPSK	1	104	24.90	24.88	24.83		
20	QPSK	50	0	24.29	24.33	24.22		
20	QPSK	50	28	25.07	25.10	25.02	24.7	1.0
20	QPSK	50	56	23.77	23.92	23.94	25.7	0.0
20	QPSK	100	0	23.81	24.01	23.92	24.7	1.0
20	16QAM	1	1	24.13	24.16	24.13	24.7	1.0
20	64QAM	1	1	22.26	22.43	22.22	23.2	2.5
20	256QAM	1	1	20.55	20.73	20.59	21.2	4.5
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	833.5	841.5	(dBm)	(dB)
15	QPSK	1	1	24.88	25.16	24.99	25.7	0.0
Channel				165300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				829	833.5	844	(dBm)	(dB)
10	QPSK	1	1	25.10	25.23	24.90	25.7	0.0
Channel				165300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				826.5	833.5	846.5	(dBm)	(dB)
5	QPSK	1	1	25.03	25.18	24.95	25.7	0.0

n71 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	25.01	25.10	24.88	25.7	0.0
20	PI/2 BPSK	1	53	25.05	25.07	24.93		
20	PI/2 BPSK	1	104	24.68	24.88	24.86		
20	PI/2 BPSK	50	0	24.63	24.61	24.55	25.2	0.5
20	PI/2 BPSK	50	28	25.11	25.10	25.01	25.7	0.0
20	PI/2 BPSK	50	56	24.38	24.52	24.37	25.2	0.5
20	PI/2 BPSK	100	0	24.56	24.63	24.49		
20	QPSK	1	1	25.05	25.22	25.06		
20	QPSK	1	53	25.05	25.15	25.06	25.7	0.0
20	QPSK	1	104	25.03	25.05	24.95		
20	QPSK	50	0	24.09	24.09	24.07		
20	QPSK	50	28	24.98	25.07	25.02	24.7	1.0
20	QPSK	50	56	23.98	24.02	23.86	25.7	0.0
20	QPSK	100	0	24.00	24.05	23.91	24.7	1.0
20	16QAM	1	1	24.06	24.19	24.08	24.7	1.0
20	64QAM	1	1	22.58	22.57	22.58	23.2	2.5
20	256QAM	1	1	20.40	20.53	20.49	21.2	4.5
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	24.95	25.13	25.04	25.7	0.0
Channel				133600	136100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	25.06	25.17	25.03	25.7	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	685.5	(dBm)	(dB)
5	QPSK	1	1	24.85	25.03	24.89	25.7	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)				834	836.5	839			
20	PI/2 BPSK	1	1	24.61	24.79	24.70			
20	PI/2 BPSK	1	53	24.71	24.71	24.59	25.5	0.0	
20	PI/2 BPSK	1	104	24.54	24.62	24.59			
20	PI/2 BPSK	50	0	24.05	24.18	24.11	25.0	0.5	
20	PI/2 BPSK	50	28	24.61	24.75	24.74	25.5	0.0	
20	PI/2 BPSK	50	56	24.14	24.15	24.16	25.0	0.5	
20	PI/2 BPSK	100	0	24.23	24.25	24.24			
20	QPSK	1	1	24.72	24.80	24.64			
20	QPSK	1	53	24.61	24.59	24.46	25.5	0.0	
20	QPSK	1	104	24.50	24.57	24.47			
20	QPSK	50	0	23.47	23.65	23.43	24.5	1.0	
20	QPSK	50	28	24.61	24.77	24.70	25.5	0.0	
20	QPSK	50	56	23.41	23.62	23.59	24.5	1.0	
20	QPSK	100	0	23.66	23.76	23.55			
20	16QAM	1	1	23.73	23.74	23.72	24.5	1.0	
20	64QAM	1	1	21.86	22.05	21.98	23.0	2.5	
20	256QAM	1	1	20.16	20.36	20.16	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.67	24.64	24.65	25.5	0.0	
Channel				165900	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.57	24.71	24.58	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	24.57	24.58	24.62	25.5	0.0	

n71 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				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.42	24.46	24.42			
20	PI/2 BPSK	1	53	24.46	24.52	24.42	25.4	0.0	
20	PI/2 BPSK	1	104	24.17	24.37	24.29			
20	PI/2 BPSK	50	0	23.62	24.00	23.95	24.9	0.5	
20	PI/2 BPSK	50	28	24.53	24.51	24.52	25.4	0.0	
20	PI/2 BPSK	50	56	23.79	23.91	23.82	24.9	0.5	
20	PI/2 BPSK	100	0	23.86	23.98	23.79			
20	QPSK	1	1	24.48	24.60	24.44			
20	QPSK	1	53	24.46	24.51	24.48	25.4	0.0	
20	QPSK	1	104	24.36	24.42	24.26			
20	QPSK	50	0	23.35	23.48	23.43	24.4	1.0	
20	QPSK	50	28	24.45	24.53	24.38	25.4	0.0	
20	QPSK	50	56	23.29	23.48	23.45	24.4	1.0	
20	QPSK	100	0	23.33	23.49	23.42			
20	16QAM	1	1	23.07	23.05	23.00	24.4	1.0	
20	64QAM	1	1	22.23	22.22	22.02	22.9	2.5	
20	256QAM	1	1	20.00	20.17	19.98	20.9	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	24.40	24.45	24.35	25.4	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666	680.5	693			
10	QPSK	1	1	24.47	24.59	24.27	25.4	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	24.48	24.57	24.32	25.4	0.0	



PC3 Part270 n77 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.29	20.36	20.13		
100	PI/2 BPSK	1	137	20.27	20.31	20.19	22.0	0.0
100	PI/2 BPSK	1	271	20.24	20.46	20.19		
100	PI/2 BPSK	135	0	20.24	20.24	20.12	22.0	0.0
100	PI/2 BPSK	135	69	20.26	20.37	20.32	22.0	0.0
100	PI/2 BPSK	135	138	20.19	20.28	20.31	22.0	0.0
100	PI/2 BPSK	270	0	20.27	20.28	20.19		
100	QPSK	1	1	20.31	20.50	20.34		
100	QPSK	1	137	20.29	20.33	20.34	22.0	0.0
100	QPSK	1	271	20.16	20.26	20.28		
100	QPSK	135	0	20.10	20.25	20.34	22.0	0.0
100	QPSK	135	69	20.21	20.47	20.18	22.0	0.0
100	QPSK	135	138	20.29	20.45	20.14	22.0	0.0
100	QPSK	270	0	20.13	20.46	20.36		
100	16QAM	1	1	20.11	20.33	20.13	22.0	0.0
100	64QAM	1	1	20.23	20.33	20.13	22.0	0.0
100	256QAM	1	1	20.26	20.44	20.18	22.0	0.0
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.17	20.42	20.23	22.0	0.0
Channel				648334	650000	662868	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.15	20.46	20.13	22.0	0.0
Channel				648000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.13	20.37	20.28	22.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.09	20.27	20.34	22.0	0.0
Channel				648334	650000	663868	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.18	20.42	20.16	22.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.22	20.25	20.35	22.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.22	20.35	20.13	22.0	0.0
Channel				647334	650000	664868	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.16	20.27	20.35	22.0	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1	20.18	20.25	20.18	22.0	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	20.09	20.30	20.22	22.0	0.0





PC3 Part27Q n77 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	20.98				
100	PI/2 BPSK	1	137	20.79			22.0	0.0
100	PI/2 BPSK	1	271	20.89				
100	PI/2 BPSK	135	0	20.82			22.0	0.0
100	PI/2 BPSK	135	69	20.83			22.0	0.0
100	PI/2 BPSK	135	138	20.80				
100	PI/2 BPSK	270	0	20.95			22.0	0.0
100	QPSK	1	1	21.05				
100	QPSK	1	137	20.88			22.0	0.0
100	QPSK	1	271	20.97				
100	QPSK	135	0	21.00			22.0	0.0
100	QPSK	135	69	21.02			22.0	0.0
100	QPSK	135	138	20.90				
100	QPSK	270	0	21.00			22.0	0.0
100	16QAM	1	1	20.86			22.0	0.0
100	64QAM	1	1	21.00			22.0	0.0
100	256QAM	1	1	20.88			22.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.78	20.74	20.81	22.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.89	20.77	20.75	22.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.98	20.95	20.85	22.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.87	20.73	20.76	22.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.77	20.74	20.91	22.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.88	20.85	20.87	22.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.93	20.80	20.91	22.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.82	20.96	20.78	22.0	0.0
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.97	20.74	20.75	22.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.83	20.79	20.88	22.0	0.0



### PC3 Part270 n78 Ant1 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.06		20.5	0.0	
100	PI/2 BPSK	1	137		19.30				
100	PI/2 BPSK	1	271		19.06				
100	PI/2 BPSK	135	0		19.17				
100	PI/2 BPSK	135	69		19.11				
100	PI/2 BPSK	135	138		19.21				
100	PI/2 BPSK	270	0		19.07		20.5	0.0	
100	QPSK	1	1		19.45				
100	QPSK	1	137		19.34				
100	QPSK	1	271		19.37				
100	QPSK	135	0		19.16				
100	QPSK	135	69		19.42				
100	QPSK	135	138		19.21		20.5	0.0	
100	QPSK	270	0		19.30				
100	16QAM	1	1		19.23				
100	64QAM	1	1		19.13				
100	256QAM	1	1		19.41				
100	256QAM	1	1		19.41				
Channel				646668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		19.23	19.27	20.5	0.0	
Channel				646334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		19.21	19.33	19.21	20.5	0.0
Channel				646000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		19.18	19.17	19.17	20.5	0.0
Channel				646668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		19.20	19.25	19.35	20.5	0.0
Channel				646334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		19.22	19.23	19.21	20.5	0.0
Channel				646000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		19.34	19.19	19.26	20.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		19.22	19.24	19.20	20.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		19.19	19.25	19.23	20.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.61	(dBm)	(dB)	
15	QPSK	1	1		19.20	19.35	19.14	20.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		19.25	19.32	19.16	20.5	0.0



### PC3 Part27Q n78 Ant1 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.49		20.5	0.0
100	PI/2 BPSK	1	137		19.54			
100	PI/2 BPSK	1	271		19.39			
100	PI/2 BPSK	135	0		19.54			
100	PI/2 BPSK	135	69		19.48			
100	PI/2 BPSK	135	138		19.57			
100	PI/2 BPSK	270	0		19.54		20.5	0.0
100	QPSK	1	1		19.72			
100	QPSK	1	137		19.57			
100	QPSK	1	271		19.58			
100	QPSK	135	0		19.50			
100	QPSK	135	69		19.68			
100	QPSK	135	138		19.52		20.5	0.0
100	QPSK	270	0		19.65			
100	16QAM	1	1		19.60			
100	64QAM	1	1		19.46			
100	256QAM	1	1		19.63			
100	256QAM	1	1		19.63			
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		19.43	19.45	19.53	20.5
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		19.48	19.55	19.43	20.5
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		19.48	19.59	19.61	20.5
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		19.44	19.59	19.61	20.5
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		19.58	19.47	19.58	20.5
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		19.47	19.57	19.60	20.5
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		19.40	19.55	19.51	20.5
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		19.57	19.54	19.52	20.5
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		19.64	19.50	19.60	20.5
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		19.43	19.62	19.52	20.5



n7 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	25.04	25.05	24.96		
40	PI/2 BPSK	1	108	25.01	25.13	25.01	25.7	0.0
40	PI/2 BPSK	1	214	25.04	25.03	25.12		
40	PI/2 BPSK	108	0	24.59	24.53	24.53	25.2	0.5
40	PI/2 BPSK	108	54	25.10	25.18	25.10	25.7	0.0
40	PI/2 BPSK	108	108	24.65	24.65	24.58		
40	PI/2 BPSK	216	0	24.47	24.43	24.35	25.2	0.5
40	QPSK	1	1	25.13	25.20	25.09		
40	QPSK	1	108	24.84	24.93	24.84	25.7	0.0
40	QPSK	1	214	25.06	24.96	24.93		
40	QPSK	108	0	24.30	24.26	24.26	24.7	1.0
40	QPSK	108	54	25.10	25.16	25.12	25.7	0.0
40	QPSK	108	108	24.03	24.14	24.03		
40	QPSK	216	0	24.23	24.25	24.19	24.7	1.0
40	16QAM	1	1	23.77	23.82	23.91	24.7	1.0
40	64QAM	1	1	22.50	22.48	22.38	23.2	2.5
40	256QAM	1	1	20.41	20.46	20.53	21.2	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	25.7	0.0
30	QPSK	1	1	25.13	25.00	25.15		
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	25.7	0.0
25	QPSK	1	1	25.10	25.18	25.18		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	25.7	0.0
20	QPSK	1	1	25.02	25.17	25.19		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.7	0.0
15	QPSK	1	1	25.04	25.10	25.15		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.7	0.0
10	QPSK	1	1	25.17	25.14	25.03		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	25.7	0.0
5	QPSK	1	1	25.10	25.17	25.00		

n66 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	25.13	25.04	25.05		
40	PI/2 BPSK	1	108	25.18	25.10	25.09	25.7	0.0
40	PI/2 BPSK	1	214	25.13	25.17	25.14		
40	PI/2 BPSK	108	0	24.68	24.61	24.68	25.2	0.5
40	PI/2 BPSK	108	54	25.22	25.16	25.13	25.7	0.0
40	PI/2 BPSK	108	108	24.62	24.70	24.59		
40	PI/2 BPSK	216	0	24.69	24.74	24.74	25.2	0.5
40	QPSK	1	1	25.26	25.28	25.18		
40	QPSK	1	108	25.24	25.13	25.06	25.7	0.0
40	QPSK	1	214	25.21	25.24	25.12		
40	QPSK	108	0	24.04	24.14	24.17	24.7	1.0
40	QPSK	108	54	25.11	25.21	25.18	25.7	0.0
40	QPSK	108	108	24.17	24.26	24.20		
40	QPSK	216	0	24.18	24.33	24.30	24.7	1.0
40	16QAM	1	1	23.96	23.93	23.84	24.7	1.0
40	64QAM	1	1	22.81	22.73	22.78	23.2	2.5
40	256QAM	1	1	20.54	20.66	20.55	21.2	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	25.7	0.0
30	QPSK	1	1	25.24	25.20	25.28		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	25.7	0.0
25	QPSK	1	1	25.24	25.20	25.14		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	25.7	0.0
20	QPSK	1	1	25.24	25.25	25.19		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	25.7	0.0
15	QPSK	1	1	25.16	25.19	25.17		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	25.7	0.0
10	QPSK	1	1	25.18	25.17	25.05		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	25.7	0.0
5	QPSK	1	1	25.16	25.24	25.15		



n38 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.13	25.21	25.10		
40	PI/2 BPSK	1	53	24.89	25.06	25.02	25.7	0.0
40	PI/2 BPSK	1	104	24.99	25.13	25.10		
40	PI/2 BPSK	50	0	24.67	24.76	24.68	25.2	0.5
40	PI/2 BPSK	50	28	25.05	25.17	25.02	25.7	0.0
40	PI/2 BPSK	50	56	24.62	24.72	24.61		
40	PI/2 BPSK	100	0	24.59	24.76	24.69	25.2	0.5
40	QPSK	1	1	25.14	25.26	25.11		
40	QPSK	1	53	24.77	24.95	24.78	25.7	0.0
40	QPSK	1	104	24.75	24.92	24.76		
40	QPSK	50	0	23.99	24.16	23.99	24.7	1.0
40	QPSK	50	28	24.78	24.90	24.78	25.7	0.0
40	QPSK	50	56	23.71	23.81	23.63		
40	QPSK	100	0	23.74	23.85	23.75	24.7	1.0
40	16QAM	1	1	23.91	24.05	23.92	24.7	1.0
40	64QAM	1	1	22.91	22.96	22.91	23.2	2.5
40	256QAM	1	1	20.32	20.40	20.42	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	25.7	0.0
30	QPSK	1	1	24.97	25.10	25.04		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	25.7	0.0
20	QPSK	1	1	25.05	25.14	24.98		
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	25.7	0.0
15	QPSK	1	1	25.01	25.15	25.03		
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	25.7	0.0
10	QPSK	1	1	24.90	25.23	25.08		

n41 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.12	25.17	25.23		
100	PI/2 BPSK	1	137	25.23	25.24	25.25	25.7	0.0
100	PI/2 BPSK	1	271	24.76	24.84	24.84		
100	PI/2 BPSK	135	0	24.74	24.84	24.61	25.2	0.5
100	PI/2 BPSK	135	69	24.93	25.05	24.97	25.7	0.0
100	PI/2 BPSK	135	138	24.62	24.75	24.80		
100	PI/2 BPSK	270	0	24.69	24.71	24.70	25.2	0.5
100	QPSK	1	1	25.18	25.30	25.28		
100	QPSK	1	137	25.08	25.05	25.07	25.7	0.0
100	QPSK	1	271	25.25	25.16	25.08		
100	QPSK	135	0	24.16	24.15	24.21	24.7	1.0
100	QPSK	135	69	25.17	25.19	25.12	25.7	0.0
100	QPSK	135	138	23.54	23.53	23.46		
100	QPSK	270	0	23.96	24.10	24.02	24.7	1.0
100	16QAM	1	1	22.79	22.83	22.73	24.7	1.0
100	64QAM	1	1	21.67	21.69	21.76	23.2	2.5
100	256QAM	1	1	20.02	20.06	19.95	21.2	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	25.7	0.0
90	QPSK	1	1	25.22	25.23	25.25		
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	25.7	0.0
80	QPSK	1	1	25.14	25.29	25.27		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	25.7	0.0
70	QPSK	1	1	25.21	25.18	25.17		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	25.7	0.0
60	QPSK	1	1	25.12	25.26	25.28		
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	25.7	0.0
50	QPSK	1	1	25.14	25.21	25.25		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	25.7	0.0
40	QPSK	1	1	25.11	25.27	25.11		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	25.7	0.0
30	QPSK	1	1	25.17	25.27	25.29		
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	25.7	0.0
20	QPSK	1	1	25.25	25.21	25.21		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	25.7	0.0
15	QPSK	1	1	25.11	25.28	25.26		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	25.7	0.0
10	QPSK	1	1	25.24	25.25	25.09		



PC3 Part270 n77 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.42	21.47	21.35		
100	PI/2 BPSK	1	137	21.61	21.55	21.39	22.2	0.0
100	PI/2 BPSK	1	271	21.41	21.26	21.39		
100	PI/2 BPSK	135	0	21.37	21.42	21.47	22.2	0.0
100	PI/2 BPSK	135	69	21.52	21.36	21.34	22.2	0.0
100	PI/2 BPSK	135	138	21.49	21.39	21.35	22.2	0.0
100	PI/2 BPSK	270	0	21.53	21.54	21.45		
100	QPSK	1	1	21.64	21.80	21.72		
100	QPSK	1	137	21.44	21.57	21.58	22.2	0.0
100	QPSK	1	271	21.66	21.54	21.49		
100	QPSK	135	0	21.56	21.65	21.62	22.2	0.0
100	QPSK	135	69	21.58	21.68	21.63	22.2	0.0
100	QPSK	135	138	21.39	21.43	21.43	22.2	0.0
100	QPSK	270	0	21.41	21.58	21.48		
100	16QAM	1	1	21.49	21.52	21.42	22.2	0.0
100	64QAM	1	1	21.46	21.59	21.53	22.2	0.0
100	256QAM	1	1	21.28	21.48	21.48	22.2	0.0
Channel				649668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	21.51	21.74	21.61	22.2	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	21.59	21.60	21.78	22.2	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	21.68	21.70	21.68	22.2	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	21.75	21.77	21.61	22.2	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	21.71	21.68	21.79	22.2	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	21.54	21.73	21.73	22.2	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	21.54	21.59	21.76	22.2	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	21.69	21.70	21.76	22.2	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1	21.53	21.65	21.71	22.2	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	21.55	21.73	21.68	22.2	0.0



PC3 Part27Q n77 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		21.45				
100	PI/2 BPSK	1	137		21.48		22.2	0.0	
100	PI/2 BPSK	1	271		21.37				
100	PI/2 BPSK	135	0		21.55		22.2	0.0	
100	PI/2 BPSK	135	69		21.39		22.2	0.0	
100	PI/2 BPSK	135	138		21.42				
100	PI/2 BPSK	270	0		21.40		22.2	0.0	
100	QPSK	1	1		21.67				
100	QPSK	1	137		21.55		22.2	0.0	
100	QPSK	1	271		21.60				
100	QPSK	135	0		21.45		22.2	0.0	
100	QPSK	135	69		21.47		22.2	0.0	
100	QPSK	135	138		21.35				
100	QPSK	270	0		21.37		22.2	0.0	
100	16QAM	1	1		21.60		22.2	0.0	
100	64QAM	1	1		21.48		22.2	0.0	
100	256QAM	1	1		21.38		22.2	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		21.48	21.40	21.45	22.2	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3480.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		21.50	21.55	21.53	22.2	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		21.44	21.40	21.39	22.2	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		21.42	21.40	21.43	22.2	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		21.54	21.52	21.49	22.2	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		21.37	21.39	21.53	22.2	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		21.59	21.38	21.48	22.2	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		21.41	21.38	21.59	22.2	0.0
Channel				630500	633334	636168			
Frequency (MHz)				3467.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		21.56	21.53	21.53	22.2	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		21.47	21.46	21.52	22.2	0.0



PC3 Part270 n78 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		23.07				
100	PI/2 BPSK	1	137		22.98		23.7	0.0	
100	PI/2 BPSK	1	271		22.74				
100	PI/2 BPSK	135	0		22.95		23.7	0.0	
100	PI/2 BPSK	135	69		22.92		23.7	0.0	
100	PI/2 BPSK	135	138		22.88				
100	PI/2 BPSK	270	0		22.81		23.7	0.0	
100	QPSK	1	1		23.16				
100	QPSK	1	137		22.87		23.7	0.0	
100	QPSK	1	271		22.93				
100	QPSK	135	0		23.06		23.7	0.0	
100	QPSK	135	69		23.16		23.7	0.0	
100	QPSK	135	138		22.76		23.7	0.0	
100	QPSK	270	0		22.80				
100	16QAM	1	1		22.92		23.7	0.0	
100	64QAM	1	1		22.94		23.7	0.0	
100	256QAM	1	1		22.26		23.2	0.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.06	22.98	23.7	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.98	22.97	23.10	23.7	0.0
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.10	23.09	22.91	23.7	0.0
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.87	22.91	22.88	23.7	0.0
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.93	23.00	23.08	23.7	0.0
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.99	23.10	23.02	23.7	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.98	22.88	23.01	23.7	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.89	22.89	23.08	23.7	0.0
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.93	23.01	22.95	23.7	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.01	22.89	22.97	23.7	0.0





PC3 Part27Q n78 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.17		23.7	0.0
100	PI/2 BPSK	1	137		23.09			
100	PI/2 BPSK	1	271		22.95			
100	PI/2 BPSK	135	0		23.08		23.7	0.0
100	PI/2 BPSK	135	69		23.23		23.7	0.0
100	PI/2 BPSK	135	138		23.09		23.7	0.0
100	PI/2 BPSK	270	0		23.20			
100	QPSK	1	1		23.28			
100	QPSK	1	137		23.09		23.7	0.0
100	QPSK	1	271		23.22			
100	QPSK	135	0		23.24		23.7	0.0
100	QPSK	135	69		23.26		23.7	0.0
100	QPSK	135	138		22.88		23.7	0.0
100	QPSK	270	0		23.13			
100	16QAM	1	1		23.27		23.7	0.0
100	64QAM	1	1		23.10		23.7	0.0
100	256QAM	1	1		22.65		23.2	0.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		23.09	23.26	23.21	23.7
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		23.07	23.20	23.21	23.7
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		23.19	23.12	23.25	23.7
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		23.03	23.19	23.10	23.7
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		23.06	23.20	23.24	23.7
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		23.07	23.03	23.07	23.7
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		23.18	23.12	23.15	23.7
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		23.16	23.25	23.14	23.7
Channel				630334	633334	636334		
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		23.19	23.10	23.23	23.7
Channel				630000	633334	636668		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		23.16	23.23	23.15	23.7



n7 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	24.93	25.02	24.89	25.7	0.0
40	PI/2 BPSK	1	108	25.28	25.23	25.20		
40	PI/2 BPSK	1	214	25.27	25.26	25.24		
40	PI/2 BPSK	108	0	24.41	24.53	24.56		
40	PI/2 BPSK	108	54	25.13	25.16	25.18		
40	PI/2 BPSK	108	108	24.67	24.75	24.73		
40	PI/2 BPSK	216	0	24.69	24.66	24.75		
40	QPSK	1	1	25.27	25.29	25.17		
40	QPSK	1	108	25.27	25.20	25.24		
40	QPSK	1	214	25.27	25.28	25.17		
40	QPSK	108	0	24.08	24.04	24.14	24.7	1.0
40	QPSK	108	54	25.00	25.07	25.04	25.7	0.0
40	QPSK	108	108	24.04	24.07	24.04	24.7	1.0
40	QPSK	216	0	24.08	24.20	24.15	24.7	1.0
40	16QAM	1	1	24.19	24.09	24.11	24.7	1.0
40	64QAM	1	1	22.65	22.69	22.77	23.2	2.5
40	256QAM	1	1	20.70	20.60	20.70	21.2	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	25.7	0.0
30	QPSK	1	1	25.19	25.21	25.19	25.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	25.7	0.0
25	QPSK	1	1	25.25	25.25	25.21	25.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	25.7	0.0
20	QPSK	1	1	25.25	25.20	25.19	25.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.7	0.0
15	QPSK	1	1	25.18	25.28	25.18	25.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.7	0.0
10	QPSK	1	1	25.23	25.25	25.20	25.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	25.7	0.0
5	QPSK	1	1	25.22	25.28	25.27	25.7	0.0

n66 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	25.24	25.28	25.30	25.7	0.0
40	PI/2 BPSK	1	108	25.15	25.18	25.16		
40	PI/2 BPSK	1	214	25.18	25.28	25.21		
40	PI/2 BPSK	108	0	24.74	24.72	24.77		
40	PI/2 BPSK	108	54	25.17	25.19	25.21		
40	PI/2 BPSK	108	108	24.66	24.77	24.69		
40	PI/2 BPSK	216	0	24.79	24.72	24.71		
40	QPSK	1	1	25.24	25.32	25.26		
40	QPSK	1	108	25.22	25.29	25.19		
40	QPSK	1	214	25.30	25.19	25.13		
40	QPSK	108	0	24.11	24.19	24.22	24.7	1.0
40	QPSK	108	54	25.23	25.25	25.22	25.7	0.0
40	QPSK	108	108	24.15	24.21	24.17	24.7	1.0
40	QPSK	216	0	24.12	24.23	24.14	24.7	1.0
40	16QAM	1	1	24.36	24.49	24.59	24.7	1.0
40	64QAM	1	1	22.85	22.89	22.85	23.2	2.5
40	256QAM	1	1	20.66	20.69	20.72	21.2	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	25.7	0.0
30	QPSK	1	1	25.17	25.19	25.14	25.7	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	25.7	0.0
25	QPSK	1	1	25.30	25.25	25.20	25.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	25.7	0.0
20	QPSK	1	1	25.18	25.29	25.26	25.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	25.7	0.0
15	QPSK	1	1	25.24	25.25	25.27	25.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	25.7	0.0
10	QPSK	1	1	25.22	25.23	25.15	25.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	25.7	0.0
5	QPSK	1	1	25.13	25.21	25.15	25.7	0.0



n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.04	25.09	24.96		
40	PI/2 BPSK	1	53	24.84	24.96	24.90	25.7	0.0
40	PI/2 BPSK	1	104	25.01	25.10	25.03		
40	PI/2 BPSK	50	0	24.41	24.53	24.46	25.2	0.5
40	PI/2 BPSK	50	28	24.87	24.94	24.85	25.7	0.0
40	PI/2 BPSK	50	56	24.18	24.36	24.26		
40	PI/2 BPSK	100	0	24.32	24.40	24.24	25.2	0.5
40	QPSK	1	1	25.10	25.12	25.04		
40	QPSK	1	53	24.90	25.08	25.06	25.7	0.0
40	QPSK	1	104	24.38	24.53	24.51		
40	QPSK	50	0	24.19	24.27	24.20	24.7	1.0
40	QPSK	50	28	24.94	25.09	25.04	25.7	0.0
40	QPSK	50	56	23.29	23.34	23.26		
40	QPSK	100	0	23.26	23.41	23.39	24.7	1.0
40	16QAM	1	1	24.15	24.19	24.07	24.7	1.0
40	64QAM	1	1	22.53	22.58	22.46	23.2	2.5
40	256QAM	1	1	20.19	20.23	20.20	21.2	4.5
Channel				517092	519000	520996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.96	25.08	24.93	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.97	25.04	24.97	25.7	0.0
Channel				515592	519000	522496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	24.93	24.98	24.92	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	24.95	25.09	25.00	25.7	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.18	25.16	25.19		
100	PI/2 BPSK	1	137	25.20	25.18	25.21	25.7	0.0
100	PI/2 BPSK	1	271	25.07	25.11	25.12		
100	PI/2 BPSK	135	0	24.77	24.73	24.67	25.2	0.5
100	PI/2 BPSK	135	69	24.67	24.77	24.67	25.7	0.0
100	PI/2 BPSK	135	138	24.30	24.40	24.33		
100	PI/2 BPSK	270	0	24.48	24.43	24.53	25.2	0.5
100	QPSK	1	1	25.31	25.33	25.15		
100	QPSK	1	137	24.63	24.68	24.69	25.7	0.0
100	QPSK	1	271	24.61	24.55	24.58		
100	QPSK	135	0	23.50	23.51	23.43	24.7	1.0
100	QPSK	135	69	24.24	24.26	24.21	25.7	0.0
100	QPSK	135	138	23.22	23.12	23.23		
100	QPSK	270	0	23.11	23.21	23.17	24.7	1.0
100	16QAM	1	1	23.26	23.29	23.40	24.7	1.0
100	64QAM	1	1	22.27	22.21	22.19	23.2	2.5
100	256QAM	1	1	20.18	20.06	20.01	21.2	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.31	25.30	24.95	25.7	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.23	25.28	25.02	25.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.16	25.25	25.04	25.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.28	25.18	24.95	25.7	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.28	25.31	24.99	25.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.30	25.16	25.04	25.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.22	25.30	24.98	25.7	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.31	25.28	25.11	25.7	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.25	25.13	25.03	25.7	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	25.31	25.26	25.07	25.7	0.0



n7 Ant5 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	18.61	18.79	18.44		
40	PI/2 BPSK	1	108	18.57	18.63	18.44	19.2	0.0
40	PI/2 BPSK	1	214	18.71	18.65	18.41		
40	PI/2 BPSK	108	0	18.76	18.81	18.42	19.2	0.0
40	PI/2 BPSK	108	54	18.57	18.73	18.51	19.2	0.0
40	PI/2 BPSK	108	108	18.62	18.81	18.55		
40	PI/2 BPSK	216	0	18.66	18.77	18.45	19.2	0.0
40	QPSK	1	1	18.77	18.90	18.63		
40	QPSK	1	108	18.77	18.65	18.60	19.2	0.0
40	QPSK	1	214	18.72	18.68	18.64		
40	QPSK	108	0	18.72	18.74	18.42	19.2	0.0
40	QPSK	108	54	18.77	18.65	18.52	19.2	0.0
40	QPSK	108	108	18.67	18.80	18.47		
40	QPSK	216	0	18.62	18.62	18.46	19.2	0.0
40	16QAM	1	1	18.73	18.76	18.44	19.2	0.0
40	64QAM	1	1	18.68	18.64	18.45	19.2	0.0
40	256QAM	1	1	18.69	18.76	18.52	19.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.66	18.80	18.43	19.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.73	18.72	18.64	19.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.60	18.79	18.59	19.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.60	18.65	18.58	19.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.71	18.69	18.63	19.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.64	18.79	18.45	19.2	0.0

n66 Ant5 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.08	23.26	22.91		
40	PI/2 BPSK	1	108	23.23	23.31	22.87	23.5	0.0
40	PI/2 BPSK	1	214	23.12	23.34	22.91		
40	PI/2 BPSK	108	0	23.19	23.22	22.96	23.5	0.0
40	PI/2 BPSK	108	54	23.07	23.21	22.97	23.5	0.0
40	PI/2 BPSK	108	108	23.23	23.35	23.00		
40	PI/2 BPSK	216	0	23.23	23.22	22.80	23.5	0.0
40	QPSK	1	1	23.23	23.40	22.99		
40	QPSK	1	108	23.24	23.32	22.96	23.5	0.0
40	QPSK	1	214	23.18	23.34	22.78		
40	QPSK	108	0	23.16	23.31	22.92	23.5	0.0
40	QPSK	108	54	23.12	23.36	22.88	23.5	0.0
40	QPSK	108	108	23.12	23.30	22.78		
40	QPSK	216	0	23.10	23.32	22.86	23.5	0.0
40	16QAM	1	1	23.20	23.18	22.88	23.5	0.0
40	64QAM	1	1	22.46	22.69	22.63	23.0	0.5
40	256QAM	1	1	20.34	20.42	20.38	21.0	2.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.03	23.24	22.81	23.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.21	23.21	22.89	23.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.07	23.31	22.88	23.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.24	23.22	22.85	23.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.10	23.33	22.79	23.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.13	23.28	22.87	23.5	0.0



n38 Ant5 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.89	19.14	18.93		
40	PI/2 BPSK	1	53	19.01	18.94	18.95	19.7	0.0
40	PI/2 BPSK	1	104	19.00	19.07	19.07		
40	PI/2 BPSK	50	0	18.90	19.03	19.10	19.7	0.0
40	PI/2 BPSK	50	28	18.88	19.09	18.90	19.7	0.0
40	PI/2 BPSK	50	56	18.95	18.94	19.02		
40	PI/2 BPSK	100	0	18.94	18.95	18.91	19.7	0.0
40	QPSK	1	1	19.01	19.15	19.11		
40	QPSK	1	53	18.90	19.00	19.01	19.7	0.0
40	QPSK	1	104	18.96	19.08	18.88		
40	QPSK	50	0	18.86	19.13	19.02	19.7	0.0
40	QPSK	50	28	18.90	19.08	18.91	19.7	0.0
40	QPSK	50	56	18.90	19.02	19.08		
40	QPSK	100	0	18.79	19.25	19.01	19.7	0.0
40	16QAM	1	1	18.83	18.98	18.97	19.7	0.0
40	64QAM	1	1	18.86	19.07	19.07	19.7	0.0
40	256QAM	1	1	18.90	18.97	18.90	19.7	0.0
Channel				517002	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	18.92	19.09	18.94	19.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	18.87	19.01	19.10	19.7	0.0
Channel				515592	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)
15	QPSK	1	1	18.84	19.02	19.05	19.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	18.82	18.97	18.99	19.7	0.0

n41 Ant5 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.94	19.08	19.10		
100	PI/2 BPSK	1	137	19.01	19.10	18.94	19.7	0.0
100	PI/2 BPSK	1	271	19.05	19.09	19.05		
100	PI/2 BPSK	135	0	19.08	19.05	19.08	19.7	0.0
100	PI/2 BPSK	135	69	19.05	19.16	18.93	19.7	0.0
100	PI/2 BPSK	135	138	18.93	18.97	19.14		
100	PI/2 BPSK	270	0	19.07	19.10	19.03	19.7	0.0
100	QPSK	1	1	19.09	19.20	19.12		
100	QPSK	1	137	18.96	19.18	18.98	19.7	0.0
100	QPSK	1	271	19.03	19.19	18.93		
100	QPSK	135	0	18.92	19.00	19.01	19.7	0.0
100	QPSK	135	69	19.05	19.16	18.92	19.7	0.0
100	QPSK	135	138	18.96	19.11	19.06		
100	QPSK	270	0	18.94	19.07	18.95	19.7	0.0
100	16QAM	1	1	18.87	19.16	19.08	19.7	0.0
100	64QAM	1	1	19.05	19.17	18.92	19.7	0.0
100	256QAM	1	1	18.92	19.07	19.02	19.7	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	18.92	19.02	19.13	19.7	0.0
Channel				507204	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	19.08	19.05	19.11	19.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	19.03	19.08	19.05	19.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	19.07	18.99	19.10	19.7	0.0
Channel				504204	518598	532996	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	19.00	19.08	19.02	19.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	18.93	19.02	18.98	19.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	18.88	19.02	18.98	19.7	0.0
Channel				501204	518598	535996	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	19.08	18.99	19.06	19.7	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	18.91	19.12	19.14	19.7	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	18.93	18.97	19.14	19.7	0.0



n7 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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	19.09	19.29	19.18			
40	PI/2 BPSK	1	108	19.18	19.31	19.24	20.2	0.0	
40	PI/2 BPSK	1	214	19.22	19.26	19.09			
40	PI/2 BPSK	108	0	19.25	19.37	19.20	20.2	0.0	
40	PI/2 BPSK	108	54	19.07	19.20	19.18	20.2	0.0	
40	PI/2 BPSK	108	108	19.23	19.25	19.13			
40	PI/2 BPSK	216	0	19.19	19.37	19.10	20.2	0.0	
40	QPSK	1	1	19.28	19.42	19.23			
40	QPSK	1	108	19.27	19.32	19.24	20.2	0.0	
40	QPSK	1	214	19.13	19.19	19.18			
40	QPSK	108	0	19.22	19.40	19.20	20.2	0.0	
40	QPSK	108	54	19.17	19.33	19.17	20.2	0.0	
40	QPSK	108	108	19.11	19.28	19.22			
40	QPSK	216	0	19.19	19.30	19.17	20.2	0.0	
40	16QAM	1	1	19.08	19.30	19.15	20.2	0.0	
40	64QAM	1	1	19.20	19.30	19.13	20.2	0.0	
40	256QAM	1	1	19.13	19.41	19.01	20.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.23	19.40	19.19	20.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.16	19.27	19.11	20.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.29	19.38	19.03	20.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.14	19.30	19.04	20.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.17	19.28	19.08	20.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.18	19.25	19.17	20.2	0.0	

n66 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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	21.11	21.34	20.93			
40	PI/2 BPSK	1	108	21.10	21.49	21.02	22.5	0.0	
40	PI/2 BPSK	1	214	21.12	21.49	20.92			
40	PI/2 BPSK	108	0	21.17	21.26	21.06	22.5	0.0	
40	PI/2 BPSK	108	54	21.12	21.44	21.02	22.5	0.0	
40	PI/2 BPSK	108	108	21.28	21.37	20.92			
40	PI/2 BPSK	216	0	21.12	21.46	21.01	22.5	0.0	
40	QPSK	1	1	21.30	21.50	21.09			
40	QPSK	1	108	21.24	21.41	21.07	22.5	0.0	
40	QPSK	1	214	21.24	21.45	20.95			
40	QPSK	108	0	21.29	21.31	21.04	22.5	0.0	
40	QPSK	108	54	21.25	21.46	20.87	22.5	0.0	
40	QPSK	108	108	21.29	21.43	21.06			
40	QPSK	216	0	21.27	21.44	21.05	22.5	0.0	
40	16QAM	1	1	21.11	21.25	21.09	22.5	0.0	
40	64QAM	1	1	21.10	21.40	21.10	22.5	0.0	
40	256QAM	1	1	19.05	19.22	19.19	21.0	1.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	21.20	21.27	21.00	22.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	21.22	21.29	21.06	22.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	21.24	21.41	20.98	22.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	21.27	21.41	21.07	22.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.30	21.34	21.10	22.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	21.13	21.45	20.98	22.5	0.0	



n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.97	18.25	18.12		
40	PI/2 BPSK	1	53	17.88	18.29	17.99	19.7	0.0
40	PI/2 BPSK	1	104	17.89	18.31	17.98		
40	PI/2 BPSK	50	0	18.06	18.29	18.01	19.7	0.0
40	PI/2 BPSK	50	28	17.92	18.29	18.10	19.7	0.0
40	PI/2 BPSK	50	56	18.01	18.25	17.98		
40	PI/2 BPSK	100	0	17.90	18.25	18.08	19.7	0.0
40	QPSK	1	1	18.06	18.32	18.13		
40	QPSK	1	53	17.84	18.30	17.96	19.7	0.0
40	QPSK	1	104	17.92	18.13	18.09		
40	QPSK	50	0	18.07	18.25	17.93	19.7	0.0
40	QPSK	50	28	18.02	18.26	17.94	19.7	0.0
40	QPSK	50	56	17.93	18.25	18.15		
40	QPSK	100	0	17.87	18.21	18.05	19.7	0.0
40	16QAM	1	1	18.00	18.19	17.92	19.7	0.0
40	64QAM	1	1	17.95	18.31	18.07	19.7	0.0
40	256QAM	1	1	18.06	18.22	17.92	19.7	0.0
Channel				517002	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	17.92	18.30	18.10	19.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	17.92	18.23	18.01	19.7	0.0
Channel				515502	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)
15	QPSK	1	1	17.85	18.10	18.01	19.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	17.85	18.18	17.99	19.7	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.98	19.16	18.95		
100	PI/2 BPSK	1	137	19.02	19.01	18.87	20.7	0.0
100	PI/2 BPSK	1	271	18.97	19.16	18.88		
100	PI/2 BPSK	135	0	18.81	19.12	18.81	20.7	0.0
100	PI/2 BPSK	135	69	18.84	19.08	18.75	20.7	0.0
100	PI/2 BPSK	135	138	18.90	19.05	18.86		
100	PI/2 BPSK	270	0	19.01	19.08	18.90	20.7	0.0
100	QPSK	1	1	19.00	19.22	18.94		
100	QPSK	1	137	18.94	19.03	18.81	20.7	0.0
100	QPSK	1	271	19.00	19.07	18.84		
100	QPSK	135	0	18.82	19.16	18.72	20.7	0.0
100	QPSK	135	69	18.81	19.20	18.83	20.7	0.0
100	QPSK	135	138	18.83	19.01	18.90		
100	QPSK	270	0	18.94	19.17	18.86	20.7	0.0
100	16QAM	1	1	18.89	19.17	18.89	20.7	0.0
100	64QAM	1	1	18.89	19.20	18.78	20.7	0.0
100	256QAM	1	1	18.85	19.01	18.72	20.7	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	19.01	19.20	18.95	20.7	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	19.01	19.00	18.85	20.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	18.99	19.19	18.78	20.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	18.89	19.20	18.80	20.7	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	18.98	19.12	18.76	20.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	18.88	19.15	18.91	20.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	18.91	19.18	18.96	20.7	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	18.88	19.09	18.82	20.7	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	18.90	19.15	18.74	20.7	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	18.93	19.06	18.85	20.7	0.0



### PC3 Part270 n77 Ant10 Default

Channel	BW [MHz]	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	662000		
Frequency (MHz)					3750	3840	3930		
100	PI/2 BPSK	1	1		24.92	25.05	25.07	25.7	0.0
100	PI/2 BPSK	1	137		25.13	25.20	25.12		
100	PI/2 BPSK	1	271		25.11	25.17	25.07		
100	PI/2 BPSK	135	0		25.18	25.08	25.01		
100	PI/2 BPSK	135	69		25.05	25.14	25.08		
100	PI/2 BPSK	135	138		24.97	25.08	25.06		
100	PI/2 BPSK	270	0		25.13	25.13	25.15	25.7	0.0
100	QPSK	1	1		25.10	25.22	25.13	25.7	0.0
100	QPSK	1	137		25.06	25.16	25.15		
100	QPSK	1	271		25.12	25.13	25.07		
100	QPSK	135	0		25.03	25.15	25.18		
100	QPSK	135	69		25.08	25.18	25.16		
100	QPSK	135	138		25.10	25.11	25.05		
100	QPSK	270	0		25.00	25.13	25.10	25.7	0.0
100	16QAM	1	1		25.13	25.08	24.96	25.7	0.0
100	64QAM	1	1		24.72	24.78	24.64	25.2	0.5
100	256QAM	1	1		22.53	22.60	22.56	23.2	2.5
Channel					648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)					3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1		25.18	25.13	25.09	25.7	0.0
Channel					648334	650000	662868	Tune-up limit	MPR
Frequency (MHz)					3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1		25.13	25.11	25.02	25.7	0.0
Channel					648000	650000	663000	Tune-up limit	MPR
Frequency (MHz)					3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1		25.08	25.17	25.19	25.7	0.0
Channel					648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)					3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1		25.07	25.18	25.20	25.7	0.0
Channel					648334	650000	663868	Tune-up limit	MPR
Frequency (MHz)					3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1		25.03	25.13	25.15	25.7	0.0
Channel					648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)					3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1		25.10	25.16	25.06	25.7	0.0
Channel					647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)					3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1		25.14	25.11	25.17	25.7	0.0
Channel					647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)					3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1		24.99	25.20	25.10	25.7	0.0
Channel					647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)					3707.52	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1		24.97	25.18	25.11	25.7	0.0
Channel					647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)					3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1		25.14	25.17	25.13	25.7	0.0





### PC3 Part27Q n77 Ant10 Default

Channel	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334	633334	633334		
Frequency (MHz)					3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1		25.25	25.25	25.25	25.7	0.0
100	PI/2 BPSK	1	137		25.18	25.18	25.18	25.7	0.0
100	PI/2 BPSK	1	271		25.27	25.27	25.27	25.7	0.0
100	PI/2 BPSK	135	0		25.28	25.28	25.28	25.7	0.0
100	PI/2 BPSK	135	69		25.19	25.19	25.19	25.7	0.0
100	PI/2 BPSK	135	138		25.17	25.17	25.17	25.7	0.0
100	PI/2 BPSK	270	0		25.27	25.27	25.27	25.7	0.0
100	QPSK	1	1		25.33	25.33	25.33	25.7	0.0
100	QPSK	1	137		25.31	25.31	25.31	25.7	0.0
100	QPSK	1	271		25.31	25.31	25.31	25.7	0.0
100	QPSK	135	0		25.25	25.25	25.25	25.7	0.0
100	QPSK	135	69		25.26	25.26	25.26	25.7	0.0
100	QPSK	135	138		25.18	25.18	25.18	25.7	0.0
100	QPSK	270	0		25.24	25.24	25.24	25.7	0.0
100	16QAM	1	1		25.12	25.12	25.12	25.7	0.0
100	64QAM	1	1		23.69	23.69	23.69	25.2	0.5
100	256QAM	1	1		21.62	21.62	21.62	23.2	2.5
Channel					633000	633334	633668		
Frequency (MHz)					3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		25.28	25.25	25.30	25.7	0.0
Channel					632668	633334	634000		
Frequency (MHz)					3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		25.22	25.19	25.26	25.7	0.0
Channel					632334	633334	634334		
Frequency (MHz)					3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		25.20	25.27	25.31	25.7	0.0
Channel					632000	633334	634668		
Frequency (MHz)					3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		25.30	25.27	25.32	25.7	0.0
Channel					631668	633334	635000		
Frequency (MHz)					3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		25.27	25.27	25.17	25.7	0.0
Channel					631334	633334	635334		
Frequency (MHz)					3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		25.25	25.28	25.27	25.7	0.0
Channel					631000	633334	635668		
Frequency (MHz)					3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		25.28	25.23	25.20	25.7	0.0
Channel					630668	633334	636000		
Frequency (MHz)					3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		25.23	25.30	25.23	25.7	0.0
Channel					630300	633334	636368		
Frequency (MHz)					3467.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		25.32	25.30	25.28	25.7	0.0
Channel					630334	633334	636334		
Frequency (MHz)					3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		25.20	25.32	25.29	25.7	0.0



PC3 Part270 n78 Ant10 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.00				
100	PI/2 BPSK	1	137		22.02		22.7	0.0	
100	PI/2 BPSK	1	271		22.03				
100	PI/2 BPSK	135	0		21.97		22.7	0.0	
100	PI/2 BPSK	135	69		22.01		22.7	0.0	
100	PI/2 BPSK	135	138		21.96				
100	PI/2 BPSK	270	0		21.91		22.7	0.0	
100	QPSK	1	1		22.08				
100	QPSK	1	137		22.00		22.7	0.0	
100	QPSK	1	271		21.88				
100	QPSK	135	0		21.96		22.7	0.0	
100	QPSK	135	69		22.05		22.7	0.0	
100	QPSK	135	138		21.88				
100	QPSK	270	0		21.91		22.7	0.0	
100	16QAM	1	1		22.00		22.7	0.0	
100	64QAM	1	1		21.62		22.7	0.0	
100	256QAM	1	1		21.54		22.7	0.0	
Channel				646668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		21.73	21.69	22.7	0.0	
Channel				646334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		21.82	21.90	21.78	22.7	0.0
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		21.91	21.98	21.78	22.7	0.0
Channel				646668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		21.88	21.88	21.88	22.7	0.0
Channel				646334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		21.82	21.96	21.89	22.7	0.0
Channel				649000	650000	652000			
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		21.90	21.90	21.78	22.7	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.00	21.87	21.92	22.7	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		21.96	21.80	21.98	22.7	0.0
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.61	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		21.90	21.82	21.84	22.7	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		21.81	21.82	21.97	22.7	0.0



**PC3 Part27Q n78 Ant10 DSI4**

Channel	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334	633334	633334		
Frequency (MHz)					3500.01	3500.01	3500.01		
100	100	Pl/2 BPSK	1	1	22.26	22.26	22.26	22.7	0.0
100	100	Pl/2 BPSK	1	137	22.22	22.22	22.22	22.7	0.0
100	100	Pl/2 BPSK	1	271	22.16	22.16	22.16	22.7	0.0
100	100	Pl/2 BPSK	135	0	22.27	22.27	22.27	22.7	0.0
100	100	Pl/2 BPSK	135	69	22.31	22.31	22.31	22.7	0.0
100	100	Pl/2 BPSK	135	138	22.18	22.18	22.18	22.7	0.0
100	100	Pl/2 BPSK	270	0	22.33	22.33	22.33	22.7	0.0
100	100	QPSK	1	1	22.36	22.36	22.36	22.7	0.0
100	100	QPSK	1	137	22.34	22.34	22.34	22.7	0.0
100	100	QPSK	1	271	22.28	22.28	22.28	22.7	0.0
100	100	QPSK	135	0	22.31	22.31	22.31	22.7	0.0
100	100	QPSK	135	69	22.33	22.33	22.33	22.7	0.0
100	100	QPSK	135	138	22.25	22.25	22.25	22.7	0.0
100	100	QPSK	270	0	22.28	22.28	22.28	22.7	0.0
100	100	16QAM	1	1	22.30	22.30	22.30	22.7	0.0
100	100	64QAM	1	1	21.82	21.82	21.82	22.7	0.0
100	100	256QAM	1	1	21.76	21.76	21.76	22.7	0.0
Channel					633000	633334	633668		
Frequency (MHz)					3495	3500.01	3505.02		
90	90	QPSK	1	1	22.25	22.18	22.18	22.7	0.0
Channel					632668	633334	634000		
Frequency (MHz)					3490.02	3500.01	3510		
80	80	QPSK	1	1	22.30	22.29	22.21	22.7	0.0
Channel					632334	633334	634334		
Frequency (MHz)					3485.01	3500.01	3515.01		
70	70	QPSK	1	1	22.23	22.28	22.35	22.7	0.0
Channel					632000	633334	634668		
Frequency (MHz)					3480	3500.01	3520.02		
60	60	QPSK	1	1	22.34	22.32	22.31	22.7	0.0
Channel					631668	633334	635000		
Frequency (MHz)					3475.02	3500.01	3525		
50	50	QPSK	1	1	22.35	22.20	22.33	22.7	0.0
Channel					631334	633334	635334		
Frequency (MHz)					3470.01	3500.01	3530.01		
40	40	QPSK	1	1	22.28	22.30	22.18	22.7	0.0
Channel					631000	633334	635668		
Frequency (MHz)					3465	3500.01	3535.02		
30	30	QPSK	1	1	22.35	22.21	22.33	22.7	0.0
Channel					630668	633334	636000		
Frequency (MHz)					3460.02	3500.01	3540		
20	20	QPSK	1	1	22.28	22.36	22.29	22.7	0.0
Channel					630300	633334	636368		
Frequency (MHz)					3457.5	3500.01	3542.62		
15	15	QPSK	1	1	22.28	22.30	22.27	22.7	0.0
Channel					630334	633334	636334		
Frequency (MHz)					3455.01	3500.01	3545.01		
10	10	QPSK	1	1	22.17	22.19	22.34	22.7	0.0

### PC3 Part270 n77 Ant13 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.97	20.04	20.02		
100	PI/2 BPSK	1	137	20.10	20.27	20.20	20.7	0.0
100	PI/2 BPSK	1	271	20.02	19.97	20.12		
100	PI/2 BPSK	135	0	20.31	20.26	20.16	20.7	0.0
100	PI/2 BPSK	135	69	20.26	20.29	20.07	20.7	0.0
100	PI/2 BPSK	135	138	20.05	20.15	20.23	20.7	0.0
100	PI/2 BPSK	270	0	20.15	20.21	20.24		
100	QPSK	1	1	20.24	20.33	20.11		
100	QPSK	1	137	20.18	20.15	20.32	20.7	0.0
100	QPSK	1	271	20.16	20.05	19.99		
100	QPSK	135	0	20.06	20.11	20.06	20.7	0.0
100	QPSK	135	69	20.19	20.31	20.10	20.7	0.0
100	QPSK	135	138	20.17	20.00	20.04	20.7	0.0
100	QPSK	270	0	20.07	20.25	20.23		
100	16QAM	1	1	20.02	20.11	20.21	20.7	0.0
100	64QAM	1	1	20.24	20.02	20.20	20.7	0.0
100	256QAM	1	1	20.02	20.12	19.95	20.7	0.0
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.24	20.06	19.95	20.7	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.18	20.13	20.09	20.7	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.07	19.93	20.04	20.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.25	20.04	20.01	20.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.13	19.99	20.05	20.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.08	19.99	20.01	20.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.03	19.94	20.04	20.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.15	20.05	19.98	20.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.02	20.05	20.09	20.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.23	20.12	20.09	20.7	0.0



PC3 Part27Q n77 Ant13 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.07		20.7	0.0	
100	PI/2 BPSK	1	137		20.18				
100	PI/2 BPSK	1	271		19.97				
100	PI/2 BPSK	135	0		20.07		20.7	0.0	
100	PI/2 BPSK	135	69		20.15		20.7	0.0	
100	PI/2 BPSK	135	138		20.10		20.7	0.0	
100	PI/2 BPSK	270	0		19.93				
100	QPSK	1	1		20.20		20.7	0.0	
100	QPSK	1	137		20.10				
100	QPSK	1	271		19.90				
100	QPSK	135	0		19.97		20.7	0.0	
100	QPSK	135	69		20.04		20.7	0.0	
100	QPSK	135	138		20.01		20.7	0.0	
100	QPSK	270	0		20.02				
100	16QAM	1	1		20.10		20.7	0.0	
100	64QAM	1	1		20.09		20.7	0.0	
100	256QAM	1	1		19.94		20.7	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		20.01	20.03	20.08	20.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		19.97	19.91	19.89	20.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		20.12	20.10	19.89	20.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		20.11	20.02	19.90	20.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		19.93	19.94	20.00	20.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		19.93	20.08	19.89	20.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		19.90	19.90	20.05	20.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		20.08	19.95	20.05	20.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		19.89	20.03	19.95	20.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		19.91	20.00	20.01	20.7	0.0



PC3 Part270 n78 Ant13 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.85		20.7	0.0
100	PI/2 BPSK	1	137		20.07			
100	PI/2 BPSK	1	271		19.85			
100	PI/2 BPSK	135	0		20.17		20.7	0.0
100	PI/2 BPSK	135	69		19.86		20.7	0.0
100	PI/2 BPSK	135	138		20.04			
100	PI/2 BPSK	270	0		20.06		20.7	0.0
100	QPSK	1	1		20.21			
100	QPSK	1	137		20.08		20.7	0.0
100	QPSK	1	271		20.15			
100	QPSK	135	0		20.03		20.7	0.0
100	QPSK	135	69		20.11		20.7	0.0
100	QPSK	135	138		20.04			
100	QPSK	270	0		20.09		20.7	0.0
100	16QAM	1	1		20.02		20.7	0.0
100	64QAM	1	1		20.00		20.7	0.0
100	256QAM	1	1		20.02		20.7	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1		20.13	20.12	20.07	20.7
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1		20.04	20.03	20.12	20.7
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1		20.04	20.01	19.95	20.7
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1		19.94	20.12	20.16	20.7
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1		20.04	20.01	20.05	20.7
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1		20.07	19.95	20.07	20.7
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1		20.02	19.97	20.03	20.7
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1		19.94	19.99	20.05	20.7
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1		19.97	20.07	19.99	20.7
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1		20.09	20.13	20.05	20.7



PC3 Part27Q n78 Ant13 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	19.98	20.18		20.7	0.0
100	PI/2 BPSK	1	137	20.03				
100	PI/2 BPSK	1	271	19.93				
100	PI/2 BPSK	135	0	20.02			20.7	0.0
100	PI/2 BPSK	135	69	19.80			20.7	0.0
100	PI/2 BPSK	135	138	19.86				
100	PI/2 BPSK	270	0	20.05			20.7	0.0
100	QPSK	1	1	20.24				
100	QPSK	1	137	19.99			20.7	0.0
100	QPSK	1	271	20.01				
100	QPSK	135	0	19.87			20.7	0.0
100	QPSK	135	69	20.12			20.7	0.0
100	QPSK	135	138	19.95				
100	QPSK	270	0	20.09			20.7	0.0
100	16QAM	1	1	19.87			20.7	0.0
100	64QAM	1	1	19.86			20.7	0.0
100	256QAM	1	1	20.00			20.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.98	20.18	20.09	20.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.97	19.98	20.02	20.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.16	20.19	20.15	20.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.98	20.09	20.16	20.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.07	20.17	20.04	20.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.12	20.17	19.96	20.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.04	20.08	20.04	20.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.16	20.16	20.10	20.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.62		
15	QPSK	1	1	20.04	19.97	20.16	20.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.17	20.04	20.10	20.7	0.0



PC2 Part270 n77 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.06	23.32	23.10	25.0	0.0
100	PI/2 BPSK	1	137	23.12	23.43	23.05		
100	PI/2 BPSK	1	271	23.06	23.42	23.05		
100	PI/2 BPSK	135	0	23.06	23.45	23.01		
100	PI/2 BPSK	135	69	23.07	23.36	23.10	25.0	0.0
100	PI/2 BPSK	135	138	23.11	23.40	23.14	25.0	0.0
100	PI/2 BPSK	270	0	23.21	23.41	23.05		
100	QPSK	1	1	23.15	23.50	23.13	25.0	0.0
100	QPSK	1	137	23.10	23.33	23.16		
100	QPSK	1	271	23.13	23.30	23.12		
100	QPSK	135	0	23.18	23.23	23.03		
100	QPSK	135	69	23.07	23.44	23.18	25.0	0.0
100	QPSK	135	138	23.15	23.29	23.06	25.0	0.0
100	QPSK	270	0	23.15	23.33	23.11		
100	16QAM	1	1	23.18	23.46	23.15	25.0	0.0
100	64QAM	1	1	23.07	23.43	23.09	25.0	0.0
100	256QAM	1	1	23.14	23.47	23.17	25.0	0.0
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	23.14	23.25	23.14	25.0	0.0
Channel				648334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	23.01	23.34	23.05	25.0	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	23.02	23.31	23.21	25.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	23.16	23.37	23.25	25.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	23.02	23.25	23.05	25.0	0.0
Channel				649000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	23.20	23.34	23.28	25.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	23.08	23.30	23.05	25.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	23.06	23.35	23.08	25.0	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	23.06	23.28	23.14	25.0	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	23.03	23.34	23.03	25.0	0.0





PC2 Part27Q n77 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		23.86				
100	PI/2 BPSK	1	137		23.85		25.0	0.0	
100	PI/2 BPSK	1	271		23.69				
100	PI/2 BPSK	135	0		23.84		25.0	0.0	
100	PI/2 BPSK	135	69		23.68		25.0	0.0	
100	PI/2 BPSK	135	138		23.88				
100	PI/2 BPSK	270	0		23.80		25.0	0.0	
100	QPSK	1	1		23.91				
100	QPSK	1	137		23.90		25.0	0.0	
100	QPSK	1	271		23.73				
100	QPSK	135	0		23.80		25.0	0.0	
100	QPSK	135	69		23.87		25.0	0.0	
100	QPSK	135	138		23.85		25.0	0.0	
100	QPSK	270	0		23.86				
100	16QAM	1	1		23.80		25.0	0.0	
100	64QAM	1	1		23.81		25.0	0.0	
100	256QAM	1	1		23.78		25.0	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.72	23.77	23.62	25.0	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.60	23.60	23.74	25.0	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.59	23.73	23.63	25.0	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.59	23.78	23.79	25.0	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.75	23.78	23.68	25.0	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.77	23.61	23.63	25.0	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.75	23.59	23.62	25.0	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.80	23.74	23.79	25.0	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.70	23.82	23.69	25.0	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.58	23.59	23.61	25.0	0.0



### PC2 Part270 n78 Ant1 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.25		23.5	0.0
100	PI/2 BPSK	1	137		22.38			
100	PI/2 BPSK	1	271		22.21			
100	PI/2 BPSK	135	0		22.35		23.5	0.0
100	PI/2 BPSK	135	69		22.19		23.5	0.0
100	PI/2 BPSK	135	138		22.32		23.5	0.0
100	PI/2 BPSK	270	0		22.27			
100	QPSK	1	1		22.45			
100	QPSK	1	137		22.39		23.5	0.0
100	QPSK	1	271		22.41			
100	QPSK	135	0		22.35		23.5	0.0
100	QPSK	135	69		22.40		23.5	0.0
100	QPSK	135	138		22.20		23.5	0.0
100	QPSK	270	0		22.38			
100	16QAM	1	1		22.35		23.5	0.0
100	64QAM	1	1		22.28		23.5	0.0
100	256QAM	1	1		22.41		23.5	0.0
Channel				648668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		22.28	22.37	23.5	0.0
Channel				648334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		22.40	22.30	22.37	23.5
Channel				648000	650000	651000		
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		22.35	22.33	22.20	23.5
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		22.27	22.38	22.37	23.5
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		22.30	22.28	22.37	23.5
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		22.21	22.29	22.29	23.5
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		22.32	22.20	22.19	23.5
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		22.39	22.32	22.19	23.5
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.61	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		22.28	22.26	22.26	23.5
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		22.38	22.34	22.35	23.5



PC2 Part27Q n78 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.34			
100	PI/2 BPSK	1	137		22.43		23.5	0.0
100	PI/2 BPSK	1	271		22.15			
100	PI/2 BPSK	135	0		22.39		23.5	0.0
100	PI/2 BPSK	135	69		22.07		23.5	0.0
100	PI/2 BPSK	135	138		22.36		23.5	0.0
100	PI/2 BPSK	270	0		22.35			
100	QPSK	1	1		22.51			
100	QPSK	1	137		22.27		23.5	0.0
100	QPSK	1	271		22.39			
100	QPSK	135	0		22.37		23.5	0.0
100	QPSK	135	69		22.46		23.5	0.0
100	QPSK	135	138		22.11		23.5	0.0
100	QPSK	270	0		22.40			
100	16QAM	1	1		22.42		23.5	0.0
100	64QAM	1	1		22.23		23.5	0.0
100	256QAM	1	1		22.49		23.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		22.35	22.35	22.19	23.5
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		22.20	22.24	22.33	23.5
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		22.28	22.38	22.35	23.5
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		22.39	22.42	22.40	23.5
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		22.27	22.38	22.36	23.5
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		22.38	22.33	22.19	23.5
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		22.31	22.41	22.25	23.5
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		22.39	22.22	22.29	23.5
Channel				630300	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		22.28	22.33	22.39	23.5
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		22.19	22.24	22.26	23.5



## PC2 Part270 n77 Ant3 DSI4

PC2 Part270 n77 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	24.18	24.38	24.37			
100	PI/2 BPSK	1	137	24.35	24.51	24.50	25.2	0.0	
100	PI/2 BPSK	1	271	24.19	24.37	24.31			
100	PI/2 BPSK	135	0	24.45	24.49	24.32	25.2	0.0	
100	PI/2 BPSK	135	69	24.32	24.45	24.38	25.2	0.0	
100	PI/2 BPSK	135	138	24.23	24.45	24.23	25.2	0.0	
100	PI/2 BPSK	270	0	24.49	24.50	24.30			
100	QPSK	1	1	24.49	24.65	24.51			
100	QPSK	1	137	24.39	24.57	24.38	25.2	0.0	
100	QPSK	1	271	24.41	24.57	24.45			
100	QPSK	135	0	24.58	24.56	24.53	25.2	0.0	
100	QPSK	135	69	24.57	24.58	24.37	25.2	0.0	
100	QPSK	135	138	24.21	24.35	24.15	25.2	0.0	
100	QPSK	270	0	24.29	24.39	24.26			
100	16QAM	1	1	24.36	24.51	24.38	25.2	0.0	
100	64QAM	1	1	24.47	24.57	24.52	25.2	0.0	
100	256QAM	1	1	24.31	24.39	24.28	25.2	0.0	
Channel				648668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	24.41	24.47	24.55	25.2	0.0	
Channel				648334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	24.45	24.34	24.39	25.2	0.0	
Channel				648000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	24.41	24.37	24.38	25.2	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	24.38	24.50	24.36	25.2	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	24.55	24.39	24.45	25.2	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	24.48	24.35	24.36	25.2	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	24.36	24.52	24.55	25.2	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	24.53	24.40	24.37	25.2	0.0	
Channel				647168	650000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.61	(dBm)	(dB)	
15	QPSK	1	1	24.33	24.43	24.40	25.2	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	24.38	24.50	24.54	25.2	0.0	



PC2 Part27Q n77 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		24.41				
100	PI/2 BPSK	1	137		24.50		25.2	0.0	
100	PI/2 BPSK	1	271		24.40				
100	PI/2 BPSK	135	0		24.46		25.2	0.0	
100	PI/2 BPSK	135	69		24.49		25.2	0.0	
100	PI/2 BPSK	135	138		24.37				
100	PI/2 BPSK	270	0		24.59		25.2	0.0	
100	QPSK	1	1		24.75				
100	QPSK	1	137		24.56		25.2	0.0	
100	QPSK	1	271		24.55				
100	QPSK	135	0		24.62		25.2	0.0	
100	QPSK	135	69		24.68		25.2	0.0	
100	QPSK	135	138		24.33				
100	QPSK	270	0		24.43		25.2	0.0	
100	16QAM	1	1		24.46		25.2	0.0	
100	64QAM	1	1		24.59		25.2	0.0	
100	256QAM	1	1		24.31		25.2	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		24.47	24.59	24.61	25.2	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		24.50	24.46	24.60	25.2	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		24.63	24.64	24.67	25.2	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		24.44	24.66	24.65	25.2	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		24.57	24.64	24.64	25.2	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		24.48	24.52	24.59	25.2	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		24.57	24.59	24.51	25.2	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		24.62	24.50	24.56	25.2	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		24.63	24.51	24.48	25.2	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		24.55	24.57	24.54	25.2	0.0



PC2 Part270 n78 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	25.06			26.7	0.0
100	PI/2 BPSK	1	137	25.06				
100	PI/2 BPSK	1	271	24.86				
100	PI/2 BPSK	135	0	25.01				
100	PI/2 BPSK	135	69	24.97				
100	PI/2 BPSK	135	138	24.85				
100	PI/2 BPSK	270	0	24.95				
100	QPSK	1	1	25.15				
100	QPSK	1	137	24.91				
100	QPSK	1	271	24.95				
100	QPSK	135	0	25.05			26.7	0.0
100	QPSK	135	69	25.08			26.7	0.0
100	QPSK	135	138	24.85			26.7	0.0
100	QPSK	270	0	24.93			26.7	0.0
100	16QAM	1	1	25.05			26.7	0.0
100	64QAM	1	1	24.93			26.7	0.0
100	256QAM	1	1	22.71			24.2	2.5
Channel				646668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	25.03	24.99	25.01	23.7	0.0
Channel				646334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	24.99	25.10	25.00	23.7	0.0
Channel				646000	650000	651000		
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.04	24.99	25.02	23.7	0.0
Channel				646668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	25.04	25.03	25.01	23.7	0.0
Channel				646334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.06	25.09	25.02	23.7	0.0
Channel				646000	650000	652000		
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.06	25.06	25.03	23.7	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	25.12	25.03	25.12	23.7	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.01	25.08	24.97	23.7	0.0
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.61	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	24.99	24.96	25.07	23.7	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.10	25.01	25.03	23.7	0.0



PC2 Part27Q n78 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.06			
100	PI/2 BPSK	1	137		25.06		26.7	0.0
100	PI/2 BPSK	1	271		24.86			
100	PI/2 BPSK	135	0		25.01		26.7	0.0
100	PI/2 BPSK	135	69		24.97		26.7	0.0
100	PI/2 BPSK	135	138		24.85			
100	PI/2 BPSK	270	0		24.95		26.7	0.0
100	QPSK	1	1		25.28			
100	QPSK	1	137		24.91		26.7	0.0
100	QPSK	1	271		24.95			
100	QPSK	135	0		25.05		26.7	0.0
100	QPSK	135	69		25.08		26.7	0.0
100	QPSK	135	138		24.85			
100	QPSK	270	0		24.93		26.7	0.0
100	16QAM	1	1		25.05		26.7	0.0
100	64QAM	1	1		24.93		26.7	0.0
100	256QAM	1	1		22.71		24.2	2.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	25.16	25.12	25.14	23.7	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	25.12	25.23	25.13	23.7	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.17	25.12	25.15	23.7	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	25.17	25.16	25.14	23.7	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.19	25.22	25.15	23.7	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.19	25.19	25.16	23.7	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	25.25	25.16	25.25	23.7	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.14	25.21	25.10	23.7	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.12	25.09	25.20	23.7	0.0
Channel				630000	633334	636668		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.23	25.14	25.16	23.7	0.0



### PC2 Part270 n77 Ant10 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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.78	26.86	26.90	28.0	0.0
100	PI/2 BPSK	1	137	26.78	26.84	26.94		
100	PI/2 BPSK	1	271	26.81	26.82	26.82		
100	PI/2 BPSK	135	0	26.85	26.97	26.85	28.0	0.0
100	PI/2 BPSK	135	69	27.04	26.96	27.04	28.0	0.0
100	PI/2 BPSK	135	138	26.81	26.94	26.89	28.0	0.0
100	PI/2 BPSK	270	0	26.82	26.86	26.83		
100	QPSK	1	1	27.10	27.20	26.95	28.0	0.0
100	QPSK	1	137	26.86	26.82	26.73		
100	QPSK	1	271	27.14	27.04	27.01		
100	QPSK	135	0	26.87	26.96	27.05	28.0	0.0
100	QPSK	135	69	26.98	27.10	27.05	28.0	0.0
100	QPSK	135	138	26.80	26.77	26.68	28.0	0.0
100	QPSK	270	0	26.88	26.93	26.81		
100	16QAM	1	1	26.98	26.88	26.82	28.0	0.0
100	64QAM	1	1	25.48	25.56	25.51	26.5	1.5
100	256QAM	1	1	23.23	23.28	23.20	24.5	3.5
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	27.11	27.11	26.98	23.0	0.0
Channel				648334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	27.04	27.08	26.82	23.0	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	27.01	27.17	26.97	23.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	27.15	27.10	26.99	23.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	27.01	27.11	26.99	23.0	0.0
Channel				649000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	27.02	27.09	26.82	23.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	27.10	27.15	26.88	23.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	27.17	27.16	26.87	23.0	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1	27.00	27.01	26.83	23.0	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	27.04	27.17	26.95	23.0	0.0





### PC2 Part27Q n77 Ant10 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)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	27.33	27.24	27.27	28.0	0.0
100	PI/2 BPSK	1	137	27.19				
100	PI/2 BPSK	1	271	27.23				
100	PI/2 BPSK	135	0	27.31			28.0	0.0
100	PI/2 BPSK	135	69	27.34			28.0	0.0
100	PI/2 BPSK	135	138	27.24			28.0	0.0
100	PI/2 BPSK	270	0	27.24				
100	QPSK	1	1	27.40				
100	QPSK	1	137	27.23			28.0	0.0
100	QPSK	1	271	27.14				
100	QPSK	135	0	27.26			28.0	0.0
100	QPSK	135	69	27.37			28.0	0.0
100	QPSK	135	138	27.33			28.0	0.0
100	QPSK	270	0	27.36				
100	16QAM	1	1	27.31			28.0	0.0
100	64QAM	1	1	25.82			25.5	1.5
100	256QAM	1	1	23.84			24.5	3.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	27.33	27.24	27.27	23.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	27.17	27.17	27.27	23.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	27.28	27.23	27.32	23.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	27.31	27.31	27.35	23.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	27.38	27.31	27.25	23.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	27.31	27.23	27.22	23.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	27.20	27.25	27.22	23.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	27.28	27.22	27.25	23.0	0.0
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	27.32	27.22	27.33	23.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	27.23	27.30	27.20	23.0	0.0



PC2 Part270 n78 Ant10 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		24.86		25.7	0.0	
100	PI/2 BPSK	1	137		25.00				
100	PI/2 BPSK	1	271		25.02				
100	PI/2 BPSK	135	0		24.96		25.7	0.0	
100	PI/2 BPSK	135	69		24.89		25.7	0.0	
100	PI/2 BPSK	135	138		24.97		25.7	0.0	
100	PI/2 BPSK	270	0		24.98				
100	QPSK	1	1		25.06		25.7	0.0	
100	QPSK	1	137		25.04				
100	QPSK	1	271		24.98				
100	QPSK	135	0		24.96		25.7	0.0	
100	QPSK	135	69		24.96		25.7	0.0	
100	QPSK	135	138		24.83		25.7	0.0	
100	QPSK	270	0		24.94		25.7	0.0	
100	16QAM	1	1		25.01		25.7	0.0	
100	64QAM	1	1		25.02		25.7	0.0	
100	256QAM	1	1		23.64		24.2	1.5	
Channel				646668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.02	24.90	25.01	25.7	0.0
Channel				646334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		24.93	24.95	25.05	25.7	0.0
Channel				646000	650000	651000			
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		24.90	24.98	24.87	25.7	0.0
Channel				646668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		24.95	25.01	25.04	25.7	0.0
Channel				646334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		24.98	24.89	24.96	25.7	0.0
Channel				646000	650000	652000			
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		24.98	25.05	24.97	25.7	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.01	25.03	25.05	25.7	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.04	24.94	24.91	25.7	0.0
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.61	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		24.88	24.91	24.88	25.7	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.03	25.04	25.02	25.7	0.0



PC2 Part27Q n78 Ant10 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.33			
100	PI/2 BPSK	1	137		25.26		25.7	0.0
100	PI/2 BPSK	1	271		25.17			
100	PI/2 BPSK	135	0		25.27		25.7	0.0
100	PI/2 BPSK	135	69		25.21		25.7	0.0
100	PI/2 BPSK	135	138		25.31			
100	PI/2 BPSK	270	0		25.25		25.7	0.0
100	QPSK	1	1		25.36			
100	QPSK	1	137		25.32		25.7	0.0
100	QPSK	1	271		25.11			
100	QPSK	135	0		25.19		25.7	0.0
100	QPSK	135	69		25.33		25.7	0.0
100	QPSK	135	138		25.31		25.7	0.0
100	QPSK	270	0		25.32			
100	16QAM	1	1		25.26		25.7	0.0
100	64QAM	1	1		25.07		25.7	0.0
100	256QAM	1	1		23.91		24.2	1.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	25.24	25.23	25.34	25.7	-3.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	25.19	25.18	25.18	25.7	-3.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.22	25.20	25.33	25.7	-3.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	25.32	25.35	25.31	25.7	-3.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.18	25.32	25.35	25.7	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.20	25.34	25.25	25.7	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	25.30	25.33	25.35	25.7	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.29	25.30	25.31	25.7	0.0
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.18	25.30	25.22	25.7	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.30	25.31	25.31	25.7	0.0



**PC2 Part270 n77 Ant13 DSI4**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.03	22.14	22.04		
100	PI/2 BPSK	1	137	22.07	22.29	22.03	23.7	0.0
100	PI/2 BPSK	1	271	22.17	22.15	22.13		
100	PI/2 BPSK	135	0	21.98	22.33	22.06	23.7	0.0
100	PI/2 BPSK	135	69	22.06	22.30	22.00	23.7	0.0
100	PI/2 BPSK	135	138	22.00	22.27	22.09	23.7	0.0
100	PI/2 BPSK	270	0	22.10	22.23	22.15	23.7	0.0
100	QPSK	1	1	22.16	22.34	22.15		
100	QPSK	1	137	22.06	22.31	22.06	23.7	0.0
100	QPSK	1	271	22.15	22.19	22.02		
100	QPSK	135	0	22.10	22.20	21.98	23.7	0.0
100	QPSK	135	69	21.94	22.30	22.10	23.7	0.0
100	QPSK	135	138	22.05	22.23	22.14	23.7	0.0
100	QPSK	270	0	21.98	22.25	22.07	23.7	0.0
100	16QAM	1	1	21.99	22.20	22.03	23.7	0.0
100	64QAM	1	1	22.18	22.25	22.05	23.7	0.0
100	256QAM	1	1	22.09	22.16	21.97	23.7	0.0
Channel				648668	658000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.16	22.29	22.11	23.7	0.0
Channel				648334	658000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.08	22.32	22.05	23.7	0.0
Channel				648000	658000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.11	22.29	22.01	23.7	0.0
Channel				648668	658000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.05	22.15	22.14	23.7	0.0
Channel				648334	658000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.99	22.25	22.02	23.7	0.0
Channel				648000	658000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.03	22.26	22.00	23.7	0.0
Channel				647668	658000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.10	22.20	22.05	23.7	0.0
Channel				647334	658000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.17	22.20	22.08	23.7	0.0
Channel				647168	658000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.95	22.19	22.01	23.7	0.0
Channel				647000	658000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.14	22.33	22.17	23.7	0.0



PC2 Part27Q n77 Ant13 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.13	22.22		23.7	0.0
100	PI/2 BPSK	1	137	22.22	22.22			
100	PI/2 BPSK	1	271	22.00	22.00			
100	PI/2 BPSK	135	0	22.16	22.16		23.7	0.0
100	PI/2 BPSK	135	69	22.23	22.23		23.7	0.0
100	PI/2 BPSK	135	138	22.09	22.09			
100	PI/2 BPSK	270	0	22.11	22.11		23.7	0.0
100	QPSK	1	1	22.33	22.33			
100	QPSK	1	137	22.24	22.24		23.7	0.0
100	QPSK	1	271	22.15	22.15			
100	QPSK	135	0	22.05	22.05		23.7	0.0
100	QPSK	135	69	22.30	22.30		23.7	0.0
100	QPSK	135	138	22.26	22.26			
100	QPSK	270	0	22.28	22.28		23.7	0.0
100	16QAM	1	1	22.20	22.20		23.7	0.0
100	64QAM	1	1	22.12	22.12		23.7	0.0
100	256QAM	1	1	22.22	22.22		23.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.18	22.20	22.03	23.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.18	22.06	22.03	23.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.12	22.23	22.03	23.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.12	22.13	22.16	23.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.22	22.12	22.13	23.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.02	22.23	22.15	23.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.11	22.16	22.22	23.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.02	22.24	22.01	23.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.02	22.05	22.12	23.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.22	22.03	22.11	23.7	0.0

PC2 Part270 n78 Ant13 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.93		23.7	0.0	
100	PI/2 BPSK	1	137		23.06				
100	PI/2 BPSK	1	271		22.96				
100	PI/2 BPSK	135	0		23.14		23.7	0.0	
100	PI/2 BPSK	135	69		22.96		23.7	0.0	
100	PI/2 BPSK	135	138		23.04		23.7	0.0	
100	PI/2 BPSK	270	0		23.02				
100	QPSK	1	1		23.20				
100	QPSK	1	137		22.99		23.7	0.0	
100	QPSK	1	271		23.13				
100	QPSK	135	0		23.02		23.7	0.0	
100	QPSK	135	69		23.11		23.7	0.0	
100	QPSK	135	138		23.07		23.7	0.0	
100	QPSK	270	0		23.08				
100	16QAM	1	1		22.96		23.7	0.0	
100	64QAM	1	1		23.02		23.7	0.0	
100	256QAM	1	1		22.16		22.2	1.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		23.01	22.97	23.7	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		23.03	23.11	22.93	23.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		23.04	22.91	23.04	23.7	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		23.03	22.95	23.11	23.7	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		22.95	23.12	22.97	23.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		23.03	23.02	23.02	23.7	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		23.06	22.96	23.01	23.7	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		22.97	23.14	22.98	23.7	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		23.00	23.08	23.12	23.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		22.98	22.93	23.00	23.7	0.0



**PC2 Part27Q n78 Ant13 DSI4**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	23.07			23.7	0.0
100	PI/2 BPSK	1	137	23.36				
100	PI/2 BPSK	1	271	23.16				
100	PI/2 BPSK	135	0	23.43			23.7	0.0
100	PI/2 BPSK	135	69	23.10			23.7	0.0
100	PI/2 BPSK	135	138	23.14			23.7	0.0
100	PI/2 BPSK	270	0	23.15				
100	QPSK	1	1	23.45				
100	QPSK	1	137	23.13			23.7	0.0
100	QPSK	1	271	23.30				
100	QPSK	135	0	23.15				
100	QPSK	135	69	23.21			23.7	0.0
100	QPSK	135	138	23.25			23.7	0.0
100	QPSK	270	0	23.32				
100	16QAM	1	1	23.08				
100	64QAM	1	1	23.22			23.7	0.0
100	256QAM	1	1	22.11			22.2	1.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.19	23.27	23.22	23.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.28	23.38	23.36	23.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	23.40	23.25	23.41	23.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.40	23.29	23.24	23.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.18	23.41	23.25	23.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	23.41	23.26	23.36	23.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	23.37	23.27	23.26	23.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.32	23.24	23.33	23.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	23.28	23.27	23.39	23.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	23.34	23.39	23.29	23.7	0.0



n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.02	25.16	24.97	25.7	0.0
20	PI/2 BPSK	1	53	24.97	25.11	25.07		
20	PI/2 BPSK	1	104	24.73	24.95	24.82		
20	PI/2 BPSK	50	0	24.68	24.74	24.63	25.2	0.5
20	PI/2 BPSK	50	28	24.81	24.96	24.94	25.7	0.0
20	PI/2 BPSK	50	56	24.23	24.38	24.39	25.2	0.5
20	PI/2 BPSK	100	0	24.44	24.47	24.45		
20	QPSK	1	1	25.09	25.25	25.10		
20	QPSK	1	53	25.02	25.04	25.05	25.7	0.0
20	QPSK	1	104	24.90	24.88	24.83		
20	QPSK	50	0	24.29	24.33	24.22		
20	QPSK	50	28	25.07	25.10	25.02	24.7	1.0
20	QPSK	50	56	23.77	23.92	23.94	25.7	0.0
20	QPSK	100	0	23.81	24.01	23.92	24.7	1.0
20	16QAM	1	1	24.13	24.16	24.13	24.7	1.0
20	64QAM	1	1	22.26	22.43	22.22	23.2	2.5
20	256QAM	1	1	20.55	20.73	20.59	21.2	4.5
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	833.5	841.5	(dBm)	(dB)
15	QPSK	1	1	24.88	25.16	24.99	25.7	0.0
Channel				165300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				829	833.5	844	(dBm)	(dB)
10	QPSK	1	1	25.10	25.23	24.90	25.7	0.0
Channel				165300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				826.5	833.5	846.5	(dBm)	(dB)
5	QPSK	1	1	25.03	25.18	24.95	25.7	0.0

n71 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	25.01	25.10	24.88	25.7	0.0
20	PI/2 BPSK	1	53	25.05	25.07	24.93		
20	PI/2 BPSK	1	104	24.68	24.88	24.86		
20	PI/2 BPSK	50	0	24.63	24.61	24.55	25.2	0.5
20	PI/2 BPSK	50	28	25.11	25.10	25.01	25.7	0.0
20	PI/2 BPSK	50	56	24.38	24.52	24.37	25.2	0.5
20	PI/2 BPSK	100	0	24.56	24.63	24.49		
20	QPSK	1	1	25.05	25.22	25.06		
20	QPSK	1	53	25.05	25.15	25.06	25.7	0.0
20	QPSK	1	104	25.03	25.05	24.95		
20	QPSK	50	0	24.09	24.09	24.07		
20	QPSK	50	28	24.98	25.07	25.02	24.7	1.0
20	QPSK	50	56	23.98	24.02	23.86	25.7	0.0
20	QPSK	100	0	24.00	24.05	23.91	24.7	1.0
20	16QAM	1	1	24.06	24.19	24.08	24.7	1.0
20	64QAM	1	1	22.58	22.57	22.58	23.2	2.5
20	256QAM	1	1	20.40	20.53	20.49	21.2	4.5
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	24.95	25.13	25.04	25.7	0.0
Channel				133600	136100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	25.06	25.17	25.03	25.7	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	685.5	(dBm)	(dB)
5	QPSK	1	1	24.85	25.03	24.89	25.7	0.0





n5 Ant1 DSI5								
BW [MHz]	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	19.61	19.76	19.62		
20	PI/2 BPSK	1	53	19.65	19.75	19.66	20.5	0.0
20	PI/2 BPSK	1	104	19.65	19.82	19.71		
20	PI/2 BPSK	50	0	19.65	19.70	19.53	20.5	0.0
20	PI/2 BPSK	50	28	19.76	19.81	19.70	20.5	0.0
20	PI/2 BPSK	50	56	19.63	19.75	19.58	20.5	0.0
20	PI/2 BPSK	100	0	19.69	19.69	19.75		
20	QPSK	1	1	19.64	19.88	19.58		
20	QPSK	1	53	19.73	19.74	19.62	20.5	0.0
20	QPSK	1	104	19.75	19.74	19.58		
20	QPSK	50	0	19.65	19.81	19.75	20.5	0.0
20	QPSK	50	28	19.83	19.85	19.57	20.5	0.0
20	QPSK	50	56	19.66	19.82	19.70	20.5	0.0
20	QPSK	100	0	19.77	19.83	19.71		
20	16QAM	1	1	19.70	19.86	19.53	20.5	0.0
20	64QAM	1	1	19.78	19.80	19.57	20.5	0.0
20	256QAM	1	1	19.77	19.76	19.62	20.5	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	20.5	0.0
15	QPSK	1	1	19.73	19.82	19.80		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	20.5	0.0
10	QPSK	1	1	19.67	19.76	19.82		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.6	836.5	846.5	20.5	0.0
5	QPSK	1	1	19.75	19.84	19.55		

n71 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.80	22.91	22.94		
20	PI/2 BPSK	1	53	22.99	22.91	22.82	23.9	0.0
20	PI/2 BPSK	1	104	22.79	22.98	22.79		
20	PI/2 BPSK	50	0	22.95	22.94	22.74	23.9	0.0
20	PI/2 BPSK	50	28	22.92	22.97	22.88	23.9	0.0
20	PI/2 BPSK	50	56	22.79	22.90	22.75	23.9	0.0
20	PI/2 BPSK	100	0	22.92	22.94	22.96		
20	QPSK	1	1	22.86	23.15	22.90		
20	QPSK	1	53	22.89	23.07	22.84	23.9	0.0
20	QPSK	1	104	22.81	22.99	22.77		
20	QPSK	50	0	22.87	23.12	22.94	23.9	0.0
20	QPSK	50	28	22.94	23.13	22.87	23.9	0.0
20	QPSK	50	56	22.99	22.88	22.72	23.9	0.0
20	QPSK	100	0	22.86	23.11	22.87		
20	16QAM	1	1	22.77	22.88	22.85	23.9	0.0
20	64QAM	1	1	22.16	22.20	22.00	22.9	1.0
20	256QAM	1	1	19.91	20.15	20.00	20.9	3.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5	23.9	0.0
15	QPSK	1	1	22.98	22.89	22.93		
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693	23.9	0.0
10	QPSK	1	1	22.94	22.94	22.77		
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5	23.9	0.0
5	QPSK	1	1	22.93	23.05	22.79		



### PC3 Part270 n77 Ant1 DSI5

PC3 Part270 n77 Ant1 DSI5									
BW [MHz]	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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.23	19.33	19.43			
100	PI/2 BPSK	1	137	19.21	19.32	19.32	21.0	0.0	
100	PI/2 BPSK	1	271	19.28	19.39	19.24			
100	PI/2 BPSK	135	0	19.22	19.32	19.38	21.0	0.0	
100	PI/2 BPSK	135	69	19.21	19.52	19.44	21.0	0.0	
100	PI/2 BPSK	135	138	19.32	19.50	19.29	21.0	0.0	
100	PI/2 BPSK	270	0	19.11	19.42	19.30			
100	QPSK	1	1	19.37	19.59	19.50			
100	QPSK	1	137	19.08	19.38	19.42	21.0	0.0	
100	QPSK	1	271	19.20	19.39	19.31			
100	QPSK	135	0	19.30	19.52	19.23	21.0	0.0	
100	QPSK	135	69	19.11	19.43	19.25	21.0	0.0	
100	QPSK	135	138	19.18	19.40	19.35	21.0	0.0	
100	QPSK	270	0	19.25	19.41	19.33			
100	16QAM	1	1	19.14	19.43	19.36	21.0	0.0	
100	64QAM	1	1	19.21	19.47	19.46	21.0	0.0	
100	256QAM	1	1	19.18	19.32	19.25	21.0	0.0	
Channel				648668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	19.28	19.45	19.44	21.0	0.0	
Channel				648334	656000	662868	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	19.21	19.52	19.33	21.0	0.0	
Channel				648000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	19.27	19.42	19.25	21.0	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	19.24	19.35	19.42	21.0	0.0	
Channel				648334	656000	663868	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	19.25	19.45	19.45	21.0	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	19.09	19.49	19.41	21.0	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	19.27	19.40	19.34	21.0	0.0	
Channel				647334	656000	664868	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	19.31	19.45	19.26	21.0	0.0	
Channel				647168	656000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	19.22	19.46	19.31	21.0	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	19.23	19.47	19.41	21.0	0.0	



PC3 Part27Q n77 Ant1 DSI5									
BW [MHz]	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		19.77				
100	PI/2 BPSK	1	137		19.91		21.0	0.0	
100	PI/2 BPSK	1	271		19.83				
100	PI/2 BPSK	135	0		19.93		21.0	0.0	
100	PI/2 BPSK	135	69		19.94		21.0	0.0	
100	PI/2 BPSK	135	138		19.90				
100	PI/2 BPSK	270	0		19.82		21.0	0.0	
100	QPSK	1	1		20.20				
100	QPSK	1	137		19.78		21.0	0.0	
100	QPSK	1	271		19.80				
100	QPSK	135	0		20.11		21.0	0.0	
100	QPSK	135	69		20.15		21.0	0.0	
100	QPSK	135	138		20.01		21.0	0.0	
100	QPSK	270	0		20.10				
100	16QAM	1	1		20.03		21.0	0.0	
100	64QAM	1	1		19.94		21.0	0.0	
100	256QAM	1	1		19.84		21.0	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		20.09	19.98	20.05	21.0	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		20.07	19.95	20.02	21.0	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		20.09	20.04	20.10	21.0	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		19.91	19.94	19.91	21.0	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		20.05	19.97	19.94	21.0	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		20.00	20.03	20.05	21.0	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		19.96	20.02	20.02	21.0	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		20.02	19.98	20.01	21.0	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		19.88	20.00	20.05	21.0	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		20.10	20.11	19.96	21.0	0.0



### PC3 Part270 n78 Ant1 DSI5

BW [MHz]	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		19.06		20.5	0.0
100	PI/2 BPSK	1	137		19.30			
100	PI/2 BPSK	1	271		19.06			
100	PI/2 BPSK	135	0		19.17		20.5	0.0
100	PI/2 BPSK	135	69		19.11		20.5	0.0
100	PI/2 BPSK	135	138		19.21		20.5	0.0
100	PI/2 BPSK	270	0		19.07			
100	QPSK	1	1		19.45			
100	QPSK	1	137		19.34		20.5	0.0
100	QPSK	1	271		19.37			
100	QPSK	135	0		19.16		20.5	0.0
100	QPSK	135	69		19.42		20.5	0.0
100	QPSK	135	138		19.21		20.5	0.0
100	QPSK	270	0		19.30			
100	16QAM	1	1		19.23		20.5	0.0
100	64QAM	1	1		19.13		20.5	0.0
100	256QAM	1	1		19.41		20.5	0.0
Channel				646668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1		19.23	19.27	20.5	0.0
Channel				646334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1		19.21	19.33	19.21	20.5
Channel				646000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1		19.18	19.17	19.17	20.5
Channel				646668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1		19.20	19.25	19.35	20.5
Channel				646334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1		19.22	19.23	19.21	20.5
Channel				646000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1		19.34	19.19	19.26	20.5
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1		19.22	19.24	19.20	20.5
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1		19.19	19.25	19.23	20.5
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.61	(dBm)	(dB)
15	QPSK	1	1		19.20	19.35	19.14	20.5
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1		19.25	19.32	19.16	20.5



PC3 Part27Q n78 Ant1 DSI5									
BW [MHz]	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		19.49				
100	PI/2 BPSK	1	137		19.54		20.5	0.0	
100	PI/2 BPSK	1	271		19.39				
100	PI/2 BPSK	135	0		19.54		20.5	0.0	
100	PI/2 BPSK	135	69		19.48		20.5	0.0	
100	PI/2 BPSK	135	138		19.57				
100	PI/2 BPSK	270	0		19.54		20.5	0.0	
100	QPSK	1	1		19.72				
100	QPSK	1	137		19.57		20.5	0.0	
100	QPSK	1	271		19.58				
100	QPSK	135	0		19.50		20.5	0.0	
100	QPSK	135	69		19.68		20.5	0.0	
100	QPSK	135	138		19.52		20.5	0.0	
100	QPSK	270	0		19.65				
100	16QAM	1	1		19.60		20.5	0.0	
100	64QAM	1	1		19.46		20.5	0.0	
100	256QAM	1	1		19.68		20.5	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		19.43	19.46	19.53	20.5	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		19.48	19.55	19.43	20.5	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		19.48	19.59	19.61	20.5	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		19.44	19.59	19.61	20.5	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		19.58	19.47	19.58	20.5	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		19.47	19.57	19.60	20.5	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		19.40	19.55	19.51	20.5	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		19.57	19.54	19.52	20.5	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		19.64	19.50	19.60	20.5	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		19.43	19.62	19.52	20.5	0.0



n7 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	19.01	18.94	19.04	19.7	0.0
40	PI/2 BPSK	1	108	19.08	18.94	18.99		
40	PI/2 BPSK	1	214	19.01	19.08	19.01		
40	PI/2 BPSK	108	0	19.13	19.02	19.03		
40	PI/2 BPSK	108	54	19.13	18.95	19.07		
40	PI/2 BPSK	108	108	18.99	18.97	18.85		
40	PI/2 BPSK	216	0	19.14	19.18	18.97		
40	QPSK	1	1	19.15	19.22	19.06		
40	QPSK	1	108	18.95	19.15	18.90		
40	QPSK	1	214	19.04	19.14	18.99		
40	QPSK	108	0	18.96	19.16	19.00	19.7	0.0
40	QPSK	108	54	19.01	19.20	19.01	19.7	0.0
40	QPSK	108	108	18.97	19.15	18.91	19.7	0.0
40	QPSK	216	0	19.04	19.16	18.84	19.7	0.0
40	16QAM	1	1	18.94	19.17	19.03	19.7	0.0
40	64QAM	1	1	19.05	18.95	18.89	19.7	0.0
40	256QAM	1	1	19.07	19.10	18.95	19.7	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	19.10	18.99	19.05	19.7	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	19.10	19.15	18.97	19.7	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	19.10	18.95	19.07	19.7	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	19.09	19.07	19.07	19.7	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	19.09	19.11	18.99	19.7	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	19.10	19.12	19.08	19.7	0.0

n66 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.11	22.34	22.00	22.7	0.0
40	PI/2 BPSK	1	108	22.09	22.27	21.99		
40	PI/2 BPSK	1	214	22.17	22.24	22.01		
40	PI/2 BPSK	108	0	22.16	22.19	22.00		
40	PI/2 BPSK	108	54	21.99	22.25	22.02		
40	PI/2 BPSK	108	108	21.99	22.36	22.12		
40	PI/2 BPSK	216	0	22.13	22.30	22.13		
40	QPSK	1	1	22.18	22.40	22.13		
40	QPSK	1	108	22.03	22.32	22.15		
40	QPSK	1	214	22.01	22.23	22.11		
40	QPSK	108	0	22.19	22.23	22.12	22.7	0.0
40	QPSK	108	54	22.05	22.33	21.97	22.7	0.0
40	QPSK	108	108	22.08	22.26	22.04	22.7	0.0
40	QPSK	216	0	22.08	22.30	21.93	22.7	0.0
40	16QAM	1	1	22.06	22.38	22.11	22.7	0.0
40	64QAM	1	1	22.12	22.38	22.09	22.7	0.0
40	256QAM	1	1	20.42	20.57	20.45	21.2	1.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	22.09	22.30	22.03	22.7	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	22.02	22.15	22.11	22.7	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	22.04	22.27	22.12	22.7	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	22.01	22.15	21.92	22.7	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	21.99	22.38	22.10	22.7	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	22.15	22.27	21.97	22.7	0.0



n38 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.01	19.04	19.05		
40	PI/2 BPSK	1	53	19.17	19.09	19.08	19.7	0.0
40	PI/2 BPSK	1	104	19.20	19.17	19.00		
40	PI/2 BPSK	50	0	19.17	19.08	19.14	19.7	0.0
40	PI/2 BPSK	50	28	18.99	19.25	19.04	19.7	0.0
40	PI/2 BPSK	50	56	19.21	19.10	19.04	19.7	0.0
40	PI/2 BPSK	100	0	19.19	19.10	19.02		
40	QPSK	1	1	19.20	19.30	19.13		
40	QPSK	1	53	19.01	19.20	19.04	19.7	0.0
40	QPSK	1	104	19.06	19.26	18.99		
40	QPSK	50	0	19.21	19.22	19.11	19.7	0.0
40	QPSK	50	28	19.07	19.26	19.03	19.7	0.0
40	QPSK	50	56	19.11	19.06	18.93	19.7	0.0
40	QPSK	100	0	19.13	19.22	19.09		
40	16QAM	1	1	19.13	19.06	19.14	19.7	0.0
40	64QAM	1	1	19.03	19.19	19.13	19.7	0.0
40	256QAM	1	1	19.04	19.25	19.12	19.7	0.0
Channel				517092	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	19.20	19.22	19.97	19.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	19.02	19.12	19.07	19.7	0.0
Channel				515592	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)
15	QPSK	1	1	19.88	19.14	19.12	19.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	19.16	19.24	19.05	19.7	0.0

n41 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.10	19.30	19.18		
100	PI/2 BPSK	1	137	19.13	19.18	19.15	19.7	0.0
100	PI/2 BPSK	1	271	19.17	19.18	19.08		
100	PI/2 BPSK	135	0	19.12	19.21	19.06	19.7	0.0
100	PI/2 BPSK	135	69	19.10	19.15	19.10	19.7	0.0
100	PI/2 BPSK	135	138	19.26	19.15	19.01	19.7	0.0
100	PI/2 BPSK	270	0	19.24	19.22	19.06		
100	QPSK	1	1	19.26	19.36	19.22		
100	QPSK	1	137	19.20	19.17	19.10	19.7	0.0
100	QPSK	1	271	19.28	19.32	19.17		
100	QPSK	135	0	19.16	19.31	19.23	19.7	0.0
100	QPSK	135	69	19.17	19.33	19.09	19.7	0.0
100	QPSK	135	138	19.28	19.27	19.20	19.7	0.0
100	QPSK	270	0	19.11	19.30	19.11		
100	16QAM	1	1	19.05	19.16	19.01	19.7	0.0
100	64QAM	1	1	19.08	19.24	19.04	19.7	0.0
100	256QAM	1	1	19.25	19.22	19.08	19.7	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	19.11	19.16	19.10	19.7	0.0
Channel				507204	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	19.19	19.27	19.07	19.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	19.11	19.16	19.07	19.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	19.24	19.26	19.07	19.7	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	19.20	19.17	19.06	19.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	19.08	19.20	19.02	19.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	19.19	19.33	19.23	19.7	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	19.05	19.22	19.12	19.7	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	19.17	19.21	19.04	19.7	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	19.18	19.34	19.21	19.7	0.0



PC3 Part270 n77 Ant3 DSI5								
BW [MHz]	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	662000		
Frequency (MHz)				3750	3940	3930		
100	PI/2 BPSK	1	1	17.87	17.94	18.05	18.7	0.0
100	PI/2 BPSK	1	137	17.87	17.84	17.84		
100	PI/2 BPSK	1	271	18.02	17.95	17.89		
100	PI/2 BPSK	135	0	17.85	17.80	17.91	18.7	0.0
100	PI/2 BPSK	135	69	18.06	18.04	17.96	18.7	0.0
100	PI/2 BPSK	135	138	17.82	17.95	17.97	18.7	0.0
100	PI/2 BPSK	270	0	17.77	17.76	17.80		
100	QPSK	1	1	17.95	18.13	18.07	18.7	0.0
100	QPSK	1	137	17.94	17.89	18.01		
100	QPSK	1	271	18.01	17.96	17.84		
100	QPSK	135	0	17.89	17.82	18.04	18.7	0.0
100	QPSK	135	69	18.10	18.12	18.09	18.7	0.0
100	QPSK	135	138	18.05	17.97	18.03	18.7	0.0
100	QPSK	270	0	18.01	18.10	17.99		
100	16QAM	1	1	17.74	17.86	17.81	18.7	0.0
100	64QAM	1	1	18.01	17.86	17.98	18.7	0.0
100	256QAM	1	1	17.80	17.75	17.82	18.7	0.0
Channel				646668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3940	3935.01	(dBm)	(dB)
90	QPSK	1	1	17.88	17.89	17.89	18.7	0.0
Channel				646334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3940	3940.02	(dBm)	(dB)
80	QPSK	1	1	17.91	17.93	18.05	18.7	0.0
Channel				646000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3940	3945	(dBm)	(dB)
70	QPSK	1	1	17.94	18.10	18.03	18.7	0.0
Channel				646668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3940	3950.01	(dBm)	(dB)
60	QPSK	1	1	17.80	18.00	17.88	18.7	0.0
Channel				646334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3940	3955.02	(dBm)	(dB)
50	QPSK	1	1	17.97	18.08	17.97	18.7	0.0
Channel				646000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3940	3960	(dBm)	(dB)
40	QPSK	1	1	17.93	18.08	18.08	18.7	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3940	3965.01	(dBm)	(dB)
30	QPSK	1	1	17.78	17.95	18.03	18.7	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3940	3970.02	(dBm)	(dB)
20	QPSK	1	1	17.93	17.94	18.00	18.7	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3940	3972.61	(dBm)	(dB)
15	QPSK	1	1	17.85	18.06	17.86	18.7	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3940	3975	(dBm)	(dB)
10	QPSK	1	1	17.85	18.11	18.09	18.7	0.0





PC3 Part27Q n77 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.39			
100	PI/2 BPSK	1	137		18.21		18.7	0.0
100	PI/2 BPSK	1	271		18.32			
100	PI/2 BPSK	135	0		18.10		18.7	0.0
100	PI/2 BPSK	135	69		18.46		18.7	0.0
100	PI/2 BPSK	135	138		18.38			
100	PI/2 BPSK	270	0		18.22		18.7	0.0
100	QPSK	1	1		18.50			
100	QPSK	1	137		18.34		18.7	0.0
100	QPSK	1	271		18.29			
100	QPSK	135	0		18.18		18.7	0.0
100	QPSK	135	69		18.44		18.7	0.0
100	QPSK	135	138		18.39			
100	QPSK	270	0		18.40		18.7	0.0
100	16QAM	1	1		18.16		18.7	0.0
100	64QAM	1	1		18.22		18.7	0.0
100	256QAM	1	1		18.13		18.7	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		18.27	18.33	18.27	18.7
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		18.21	18.23	18.23	18.7
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		18.27	18.36	18.24	18.7
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		18.40	18.38	18.37	18.7
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		18.28	18.37	18.24	18.7
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		18.19	18.37	18.36	18.7
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		18.37	18.35	18.38	18.7
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		18.20	18.21	18.30	18.7
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		18.39	18.21	18.26	18.7
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		18.26	18.31	18.37	18.7

PC3 Part270 n78 Ant3 DSI5								
BW [MHz]	Modulation	RB 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		19.09			
100	PI/2 BPSK	1	137		19.08		19.7	0.0
100	PI/2 BPSK	1	271		19.09			
100	PI/2 BPSK	135	0		19.07		19.7	0.0
100	PI/2 BPSK	135	69		19.01		19.7	0.0
100	PI/2 BPSK	135	138		19.00			
100	PI/2 BPSK	270	0		18.96		19.7	0.0
100	QPSK	1	1		19.17			
100	QPSK	1	137		18.98		19.7	0.0
100	QPSK	1	271		19.12			
100	QPSK	135	0		18.95		19.7	0.0
100	QPSK	135	69		19.11		19.7	0.0
100	QPSK	135	138		19.07			
100	QPSK	270	0		18.98		19.7	0.0
100	16QAM	1	1		18.82		19.7	0.0
100	64QAM	1	1		19.03		19.7	0.0
100	256QAM	1	1		19.01		19.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
				3745.02	3750	3755.01		
				19.06	18.93	18.97	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
				3740.01	3750	3760.02		
				19.02	19.06	18.96	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
				3735	3750	3765		
				18.86	19.03	18.86	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
				3730.02	3750	3770.01		
				18.87	18.91	18.86	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
				3725.01	3750	3775.02		
				19.07	19.09	19.02	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
				3720	3750	3780		
				18.99	19.07	19.07	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
				3715.02	3750	3785.01		
				18.97	19.06	18.98	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
				3710.01	3750	3790.02		
				18.93	18.98	18.91	19.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
				3707.52	3750	3792.51		
				18.90	19.00	19.03	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
				3705	3750	3795		
				18.88	18.96	19.07	19.7	0.0

### PC3 Part27Q n78 Ant3 DSI5

BW [MHz]	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		19.18			
100	PI/2 BPSK	1	137		18.95		19.7	0.0
100	PI/2 BPSK	1	271		19.06			
100	PI/2 BPSK	135	0		19.06		19.7	0.0
100	PI/2 BPSK	135	69		18.91		19.7	0.0
100	PI/2 BPSK	135	138		19.18			
100	PI/2 BPSK	270	0		18.94		19.7	0.0
100	QPSK	1	1		19.20			
100	QPSK	1	137		19.14		19.7	0.0
100	QPSK	1	271		19.06			
100	QPSK	135	0		18.89		19.7	0.0
100	QPSK	135	69		19.11		19.7	0.0
100	QPSK	135	138		19.05			
100	QPSK	270	0		19.07		19.7	0.0
100	16QAM	1	1		18.88		19.7	0.0
100	64QAM	1	1		18.91		19.7	0.0
100	256QAM	1	1		18.84		19.7	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.10	19.05	18.88	19.7	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.91	18.92	18.88	19.7	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.00	18.99	19.03	19.7	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.03	19.02	18.90	19.7	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.89	18.95	18.91	19.7	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.02	19.04	19.08	19.7	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.91	18.96	18.93	19.7	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.03	18.90	19.07	19.7	0.0
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.01	18.91	18.97	19.7	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.94	19.01	19.06	19.7	0.0



n7 Ant4 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	18.88	18.70	18.79			
40	PI/2 BPSK	1	108	18.82	18.76	18.62	19.2	0.0	
40	PI/2 BPSK	1	214	18.81	18.80	18.56			
40	PI/2 BPSK	108	0	18.87	18.88	18.57	19.2	0.0	
40	PI/2 BPSK	108	54	18.83	18.79	18.59	19.2	0.0	
40	PI/2 BPSK	108	108	18.68	18.81	18.71	19.2	0.0	
40	PI/2 BPSK	216	0	18.80	18.71	18.66			
40	QPSK	1	1	18.66	18.90	18.77			
40	QPSK	1	108	18.89	18.88	18.73	19.2	0.0	
40	QPSK	1	214	18.65	18.79	18.67			
40	QPSK	108	0	18.82	18.75	18.72	19.2	0.0	
40	QPSK	108	54	18.75	18.88	18.76	19.2	0.0	
40	QPSK	108	108	18.75	18.76	18.61	19.2	0.0	
40	QPSK	216	0	18.84	18.66	18.59			
40	16QAM	1	1	18.73	18.78	18.73	19.2	0.0	
40	64QAM	1	1	18.74	18.85	18.79	19.2	0.0	
40	256QAM	1	1	18.73	18.76	18.57	19.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	19.2	0.0	
30	QPSK	1	1	18.89	18.69	18.84			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	19.2	0.0	
25	QPSK	1	1	18.86	18.85	18.74			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2580	19.2	0.0	
20	QPSK	1	1	18.70	18.75	18.84			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2622.5	19.2	0.0	
15	QPSK	1	1	18.79	18.81	18.75			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	19.2	0.0	
10	QPSK	1	1	18.66	18.68	18.71			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	19.2	0.0	
5	QPSK	1	1	18.89	18.81	18.55			

n66 Ant4 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	17.13	17.32	17.23			
40	PI/2 BPSK	1	108	17.32	17.36	17.23	17.7	0.0	
40	PI/2 BPSK	1	214	17.24	17.43	17.16			
40	PI/2 BPSK	108	0	17.23	17.36	17.18	17.7	0.0	
40	PI/2 BPSK	108	54	17.24	17.25	17.29	17.7	0.0	
40	PI/2 BPSK	108	108	17.27	17.29	17.30	17.7	0.0	
40	PI/2 BPSK	216	0	17.32	17.25	17.24			
40	QPSK	1	1	17.31	17.45	17.21			
40	QPSK	1	108	17.24	17.43	17.35	17.7	0.0	
40	QPSK	1	214	17.34	17.22	17.22			
40	QPSK	108	0	17.14	17.40	17.32	17.7	0.0	
40	QPSK	108	54	17.17	17.43	17.18	17.7	0.0	
40	QPSK	108	108	17.20	17.40	17.22	17.7	0.0	
40	QPSK	216	0	17.14	17.42	17.36			
40	16QAM	1	1	17.30	17.41	17.27	17.7	0.0	
40	64QAM	1	1	17.23	17.42	17.25	17.7	0.0	
40	256QAM	1	1	17.23	17.42	17.25	17.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	17.7	0.0	
30	QPSK	1	1	17.31	17.29	17.85			
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	17.7	0.0	
25	QPSK	1	1	17.32	17.42	17.32			
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	17.7	0.0	
20	QPSK	1	1	17.19	17.24	17.23	17.7	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	17.7	0.0	
15	QPSK	1	1	17.35	17.34	17.18			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	17.7	0.0	
10	QPSK	1	1	17.19	17.29	17.35	17.7	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	17.7	0.0	
5	QPSK	1	1	17.16	17.20	17.18			



n38 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.01	18.08	17.92		
40	PI/2 BPSK	1	53	18.19	18.08	18.03	18.7	0.0
40	PI/2 BPSK	1	104	17.99	18.22	17.98		
40	PI/2 BPSK	50	0	18.16	18.21	17.93	18.7	0.0
40	PI/2 BPSK	50	28	18.04	18.09	18.00	18.7	0.0
40	PI/2 BPSK	50	56	18.18	18.17	18.04		
40	PI/2 BPSK	100	0	18.09	18.10	18.15	18.7	0.0
40	QPSK	1	1	18.09	18.24	18.14		
40	QPSK	1	53	18.20	18.01	17.98	18.7	0.0
40	QPSK	1	104	18.04	18.08	18.00		
40	QPSK	50	0	18.13	18.23	17.94	18.7	0.0
40	QPSK	50	28	18.12	18.22	18.03	18.7	0.0
40	QPSK	50	56	18.18	18.15	17.97		
40	QPSK	100	0	18.03	18.20	18.00	18.7	0.0
40	16QAM	1	1	18.19	18.18	18.06	18.7	0.0
40	64QAM	1	1	18.20	18.19	17.98	18.7	0.0
40	256QAM	1	1	18.00	18.06	17.97	18.7	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.01	18.12	17.95	18.7	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	17.90	18.15	17.93	18.7	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.00	18.10	18.15	18.7	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.20	18.07	18.02	18.7	0.0

n41 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.34	18.22	18.04		
100	PI/2 BPSK	1	137	18.25	18.37	18.09	18.7	0.0
100	PI/2 BPSK	1	271	18.25	18.30	18.16		
100	PI/2 BPSK	135	0	18.32	18.44	18.15	18.7	0.0
100	PI/2 BPSK	135	69	18.25	18.24	18.13	18.7	0.0
100	PI/2 BPSK	135	138	18.25	18.33	18.22		
100	PI/2 BPSK	270	0	18.34	18.41	18.05	18.7	0.0
100	QPSK	1	1	18.36	18.45	18.10		
100	QPSK	1	137	18.36	18.43	18.23	18.7	0.0
100	QPSK	1	271	18.35	18.42	18.23		
100	QPSK	135	0	18.20	18.37	18.11	18.7	0.0
100	QPSK	135	69	18.28	18.40	18.23	18.7	0.0
100	QPSK	135	138	18.35	18.27	18.19		
100	QPSK	270	0	18.30	18.38	18.11	18.7	0.0
100	16QAM	1	1	18.22	18.27	18.07	18.7	0.0
100	64QAM	1	1	18.23	18.29	18.19	18.7	0.0
100	256QAM	1	1	17.01	16.96	16.87	18.2	0.5
Channel				509200	518598	528096		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.22	18.28	18.21	18.7	0.0
Channel				507204	518598	528096		
Frequency (MHz)				2536.02	2592.99	2640.99		
80	QPSK	1	1	18.38	18.28	18.19	18.7	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.19	18.22	18.05	18.7	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.28	18.41	18.10	18.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.41	18.23	18.12	18.7	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.40	18.25	18.13	18.7	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.28	18.40	18.10	18.7	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.29	18.26	18.06	18.7	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.22	18.26	18.24	18.7	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.31	18.28	18.18	18.7	0.0



n7 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	17.20	17.13	17.18		
40	PI/2 BPSK	1	108	17.31	17.32	17.20	17.7	0.0
40	PI/2 BPSK	1	214	17.22	17.29	17.23		
40	PI/2 BPSK	108	0	17.10	17.22	17.27	17.7	0.0
40	PI/2 BPSK	108	54	17.28	17.19	17.30	17.7	0.0
40	PI/2 BPSK	108	108	17.19	17.30	17.21		
40	PI/2 BPSK	216	0	17.23	17.21	17.28	17.7	0.0
40	QPSK	1	1	17.26	17.40	17.19		
40	QPSK	1	108	17.16	17.25	17.18	17.7	0.0
40	QPSK	1	214	17.18	17.20	17.09		
40	QPSK	108	0	17.26	17.12	17.11	17.7	0.0
40	QPSK	108	54	17.19	17.32	17.16	17.7	0.0
40	QPSK	108	108	17.28	17.10	17.11		
40	QPSK	216	0	17.20	17.30	17.08	17.7	0.0
40	16QAM	1	1	17.24	17.24	17.22	17.7	0.0
40	64QAM	1	1	17.19	17.19	17.10	17.7	0.0
40	256QAM	1	1	17.33	17.24	17.30	17.7	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	17.17	17.13	17.24	17.7	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	17.19	17.13	17.24	17.7	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	17.32	17.16	17.19	17.7	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				17.17	2507.5	2535	(dBm)	(dB)
15	QPSK	1	1	17.21	17.32	17.09	17.7	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	17.27	17.32	17.19	17.7	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	17.29	17.29	17.28	17.7	0.0

n66 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.97	20.83	20.63		
40	PI/2 BPSK	1	108	20.83	20.85	20.67	21.5	0.0
40	PI/2 BPSK	1	214	20.95	21.00	20.70		
40	PI/2 BPSK	108	0	21.00	20.96	20.82	21.5	0.0
40	PI/2 BPSK	108	54	20.91	20.86	20.63	21.5	0.0
40	PI/2 BPSK	108	108	20.94	20.94	20.83		
40	PI/2 BPSK	216	0	20.92	20.95	20.67	21.5	0.0
40	QPSK	1	1	21.02	21.05	20.82		
40	QPSK	1	108	20.94	20.85	20.70	21.5	0.0
40	QPSK	1	214	20.83	20.93	20.76		
40	QPSK	108	0	20.97	20.91	20.83	21.5	0.0
40	QPSK	108	54	20.98	21.00	20.65	21.5	0.0
40	QPSK	108	108	20.88	20.90	20.83		
40	QPSK	216	0	20.88	20.98	20.80	21.5	0.0
40	16QAM	1	1	20.80	21.02	20.75	21.5	0.0
40	64QAM	1	1	20.85	20.92	20.80	21.5	0.0
40	256QAM	1	1	20.45	20.56	20.34	21.0	0.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	20.89	20.94	20.68	21.5	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	20.88	20.88	20.67	21.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	20.88	20.87	20.69	21.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	20.80	20.95	20.80	21.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	20.99	21.04	20.70	21.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	20.83	20.95	20.75	21.5	0.0



n38 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.16	18.26	18.06	18.7	0.0
40	PI/2 BPSK	1	53	18.15	18.23	18.05		
40	PI/2 BPSK	1	104	18.12	18.26	18.08		
40	PI/2 BPSK	50	0	18.04	18.30	18.22	18.7	0.0
40	PI/2 BPSK	50	28	18.01	18.11	18.10	18.7	0.0
40	PI/2 BPSK	50	56	18.00	18.30	18.10		
40	PI/2 BPSK	100	0	18.17	18.18	18.14	18.7	0.0
40	QPSK	1	1	18.05	18.40	18.20		
40	QPSK	1	53	18.05	18.18	18.20	18.7	0.0
40	QPSK	1	104	17.97	18.31	18.04		
40	QPSK	50	0	18.11	18.25	18.06	18.7	0.0
40	QPSK	50	28	18.06	18.30	18.06	18.7	0.0
40	QPSK	50	56	18.13	18.26	18.05	18.7	0.0
40	QPSK	100	0	17.95	18.14	18.13		
40	16QAM	1	1	17.99	18.20	18.24	18.7	0.0
40	64QAM	1	1	17.97	18.13	18.21	18.7	0.0
40	256QAM	1	1	18.00	18.13	18.13	18.7	0.0
Channel				517002	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	18.05	18.20	18.20	18.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	18.05	18.15	18.16	18.7	0.0
Channel				515502	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)
15	QPSK	1	1	18.04	18.14	18.17	18.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	18.11	18.13	18.22	18.7	0.0

n41 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.20	18.32	18.17		
100	PI/2 BPSK	1	137	18.31	18.43	18.23	18.7	0.0
100	PI/2 BPSK	1	271	18.37	18.24	18.25		
100	PI/2 BPSK	135	0	18.17	18.32	18.09	18.7	0.0
100	PI/2 BPSK	135	69	18.29	18.37	18.08	18.7	0.0
100	PI/2 BPSK	135	138	18.30	18.42	18.26		
100	PI/2 BPSK	270	0	18.26	18.27	18.11	18.7	0.0
100	QPSK	1	1	18.20	18.46	18.15		
100	QPSK	1	137	18.18	18.38	18.27	18.7	0.0
100	QPSK	1	271	18.28	18.35	18.12		
100	QPSK	135	0	18.29	18.31	18.26	18.7	0.0
100	QPSK	135	69	18.15	18.38	18.19	18.7	0.0
100	QPSK	135	138	18.20	18.37	18.17		
100	QPSK	270	0	18.17	18.35	18.28	18.7	0.0
100	16QAM	1	1	18.22	18.45	18.28	18.7	0.0
100	64QAM	1	1	18.38	18.45	18.13	18.7	0.0
100	256QAM	1	1	18.25	18.24	18.18	18.7	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	18.24	18.44	18.08	18.7	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	18.32	18.41	18.08	18.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	18.37	18.30	18.20	18.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	18.19	18.45	18.14	18.7	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	18.38	18.24	18.16	18.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	18.17	18.29	18.07	18.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	18.28	18.34	18.23	18.7	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	18.15	18.33	18.09	18.7	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	18.27	18.45	18.27	18.7	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	18.32	18.34	18.14	18.7	0.0



n7 Ant6 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	17.67	17.88	17.77			
40	PI/2 BPSK	1	108	17.66	17.75	17.79	18.7	0.0	
40	PI/2 BPSK	1	214	17.65	17.88	17.77			
40	PI/2 BPSK	108	0	17.70	17.79	17.87	18.7	0.0	
40	PI/2 BPSK	108	54	17.71	17.92	17.83	18.7	0.0	
40	PI/2 BPSK	108	108	17.77	17.70	17.67			
40	PI/2 BPSK	216	0	17.67	17.89	17.70	18.7	0.0	
40	QPSK	1	1	17.66	17.93	17.68			
40	QPSK	1	108	17.74	17.68	17.74	18.7	0.0	
40	QPSK	1	214	17.70	17.77	17.76			
40	QPSK	108	0	17.73	17.72	17.68	18.7	0.0	
40	QPSK	108	54	17.62	17.90	17.87	18.7	0.0	
40	QPSK	108	108	17.66	17.72	17.80			
40	QPSK	216	0	17.73	17.84	17.79	18.7	0.0	
40	16QAM	1	1	17.68	17.84	17.76	18.7	0.0	
40	64QAM	1	1	17.74	17.74	17.79	18.7	0.0	
40	256QAM	1	1	17.76	17.86	17.81	18.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	17.71	17.77	17.71	18.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	17.63	17.89	17.69	18.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2580			
20	QPSK	1	1	17.72	17.81	17.77	18.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2582.5			
15	QPSK	1	1	17.72	17.81	17.88	18.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.64	17.69	17.84	18.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.66	17.72	17.77	18.7	0.0	

17.73  
16.95

n66 Ant6 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	17.45	17.30	17.25			
40	PI/2 BPSK	1	108	17.24	17.47	17.19	18.5	0.0	
40	PI/2 BPSK	1	214	17.38	17.24	17.13			
40	PI/2 BPSK	108	0	17.26	17.43	17.22	18.5	0.0	
40	PI/2 BPSK	108	54	17.46	17.43	17.15	18.5	0.0	
40	PI/2 BPSK	108	108	17.23	17.26	17.21			
40	PI/2 BPSK	216	0	17.25	17.37	17.05	18.5	0.0	
40	QPSK	1	1	17.44	17.50	17.07			
40	QPSK	1	108	17.35	17.32	17.23	18.5	0.0	
40	QPSK	1	214	17.34	17.31	17.15			
40	QPSK	108	0	17.36	17.23	17.11	18.5	0.0	
40	QPSK	108	54	17.32	17.47	17.24	18.5	0.0	
40	QPSK	108	108	17.43	17.30	17.20			
40	QPSK	216	0	17.27	17.44	17.10	18.5	0.0	
40	16QAM	1	1	17.30	17.31	17.01	18.5	0.0	
40	64QAM	1	1	17.34	17.38	17.19	18.5	0.0	
40	256QAM	1	1	17.41	17.24	17.20	18.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.33	17.38	17.10	18.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	17.43	17.38	17.10	18.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.30	17.27	17.01	18.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.42	17.30	17.02	18.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.41	17.40	17.18	18.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.24	17.42	17.14	18.5	0.0	





n38 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.01	17.32	17.27		
40	PI/2 BPSK	1	53	17.03	17.13	17.28	18.7	0.0
40	PI/2 BPSK	1	104	17.08	17.09	17.24		
40	PI/2 BPSK	50	0	17.18	17.18	17.18	18.7	0.0
40	PI/2 BPSK	50	28	17.07	17.30	17.21	18.7	0.0
40	PI/2 BPSK	50	56	17.06	17.21	17.15		
40	PI/2 BPSK	100	0	17.19	17.24	17.10	18.7	0.0
40	QPSK	1	1	17.09	17.35	17.30		
40	QPSK	1	53	17.16	17.12	17.27	18.7	0.0
40	QPSK	1	104	17.11	17.16	17.25		
40	QPSK	50	0	17.07	17.23	17.10	18.7	0.0
40	QPSK	50	28	17.13	17.30	17.25	18.7	0.0
40	QPSK	50	56	17.00	17.21	17.17	18.7	0.0
40	QPSK	100	0	17.19	17.26	17.25		
40	16QAM	1	1	17.12	17.09	17.28	18.7	0.0
40	64QAM	1	1	17.07	17.30	17.08	18.7	0.0
40	256QAM	1	1	17.17	17.12	17.25	18.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	18.7	0.0
30	QPSK	1	1	17.18	17.25	17.12	18.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	18.7	0.0
20	QPSK	1	1	17.14	17.23	17.10	18.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	18.7	0.0
15	QPSK	1	1	17.11	17.28	17.14	18.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	18.7	0.0
10	QPSK	1	1	17.19	17.14	17.09	18.7	0.0

n41 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.11	18.15	17.97		
100	PI/2 BPSK	1	137	18.06	18.28	18.15	19.7	0.0
100	PI/2 BPSK	1	271	18.06	18.14	17.97		
100	PI/2 BPSK	135	0	18.17	18.13	18.02	19.7	0.0
100	PI/2 BPSK	135	69	18.05	18.27	17.96	19.7	0.0
100	PI/2 BPSK	135	138	18.02	18.20	18.09		
100	PI/2 BPSK	270	0	18.14	18.23	18.00	19.7	0.0
100	QPSK	1	1	18.12	18.32	18.02		
100	QPSK	1	137	18.15	18.31	18.11	19.7	0.0
100	QPSK	1	271	18.08	18.21	17.99		
100	QPSK	135	0	18.02	18.24	18.01	19.7	0.0
100	QPSK	135	69	18.20	18.26	18.04	19.7	0.0
100	QPSK	135	138	18.01	18.24	17.93		
100	QPSK	270	0	17.99	18.25	18.05	19.7	0.0
100	16QAM	1	1	18.05	18.25	18.15	19.7	0.0
100	64QAM	1	1	18.02	18.10	18.04	19.7	0.0
100	256QAM	1	1	18.08	18.31	17.99	19.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	18.7	0.0
90	QPSK	1	1	18.04	18.18	18.05	19.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	18.7	0.0
80	QPSK	1	1	18.16	18.12	17.99	19.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	18.7	0.0
70	QPSK	1	1	18.10	18.23	18.02	19.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	18.7	0.0
60	QPSK	1	1	18.13	18.12	18.05	19.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	18.7	0.0
50	QPSK	1	1	18.09	18.16	18.16	19.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	18.7	0.0
40	QPSK	1	1	18.22	18.25	18.13	19.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	18.7	0.0
30	QPSK	1	1	18.13	18.18	18.16	19.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	18.7	0.0
20	QPSK	1	1	18.15	18.29	18.02	19.7	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	18.7	0.0
15	QPSK	1	1	18.23	18.18	18.08	19.7	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	18.7	0.0
10	QPSK	1	1	18.09	18.13	18.01	19.7	0.0



### PC3 Part270 n77 Ant10 DSI5

Channel	BW [MHz]	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	662000		
Frequency (MHz)					3750	3840	3930		
100	PI/2 BPSK	1	1		15.22	15.33	15.18		
100	PI/2 BPSK	1	137		15.09	15.17	15.23	15.7	0.0
100	PI/2 BPSK	1	271		15.06	15.33	15.06		
100	PI/2 BPSK	135	0		15.08	15.26	15.08	15.7	0.0
100	PI/2 BPSK	135	69		15.21	15.30	15.13	15.7	0.0
100	PI/2 BPSK	135	138		15.22	15.29	15.06	15.7	0.0
100	PI/2 BPSK	270	0		15.15	15.30	15.12		
100	QPSK	1	1		15.04	15.34	15.06		
100	QPSK	1	137		15.20	15.30	15.24	15.7	0.0
100	QPSK	1	271		15.01	15.27	15.10		
100	QPSK	135	0		15.17	15.15	15.24	15.7	0.0
100	QPSK	135	69		15.01	15.30	15.08	15.7	0.0
100	QPSK	135	138		15.11	15.28	15.18	15.7	0.0
100	QPSK	270	0		15.04	15.29	15.02		
100	16QAM	1	1		15.03	15.27	15.01	15.7	0.0
100	64QAM	1	1		15.02	15.13	15.24	15.7	0.0
100	256QAM	1	1		15.00	15.11	15.02	15.7	0.0
Channel					648668	650000	662334		
Frequency (MHz)					3745.02	3840	3935.01		
90	QPSK	1	1		15.07	15.29	15.03	15.7	0.0
Channel					648334	650000	662668		
Frequency (MHz)					3740.01	3840	3940.02		
80	QPSK	1	1		15.15	15.29	15.14	15.7	0.0
Channel					648000	650000	663000		
Frequency (MHz)					3735	3840	3945		
70	QPSK	1	1		15.08	15.19	15.12	15.7	0.0
Channel					648668	650000	663334		
Frequency (MHz)					3730.02	3840	3950.01		
60	QPSK	1	1		15.01	15.33	15.24	15.7	0.0
Channel					648334	650000	663668		
Frequency (MHz)					3725.01	3840	3955.02		
50	QPSK	1	1		15.02	15.25	15.02	15.7	0.0
Channel					648000	650000	664000		
Frequency (MHz)					3720	3840	3960		
40	QPSK	1	1		15.12	15.13	15.18	15.7	0.0
Channel					647668	650000	664334		
Frequency (MHz)					3715.02	3840	3965.01		
30	QPSK	1	1		15.22	15.22	15.09	15.7	0.0
Channel					647334	650000	664668		
Frequency (MHz)					3710.01	3840	3970.02		
20	QPSK	1	1		15.09	15.33	15.15	15.7	0.0
Channel					647168	650000	664834		
Frequency (MHz)					3707.52	3840	3972.51		
15	QPSK	1	1		15.14	15.31	15.04	15.7	0.0
Channel					647000	650000	665000		
Frequency (MHz)					3705	3840	3975		
10	QPSK	1	1		15.04	15.32	15.19	15.7	0.0



PC3 Part27Q n77 Ant10 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.31				
100	PI/2 BPSK	1	137		15.37		15.7	0.0	
100	PI/2 BPSK	1	271		15.38				
100	PI/2 BPSK	135	0		15.31		15.7	0.0	
100	PI/2 BPSK	135	69		15.47		15.7	0.0	
100	PI/2 BPSK	135	138		15.36				
100	PI/2 BPSK	270	0		15.29		15.7	0.0	
100	QPSK	1	1		15.55				
100	QPSK	1	137		15.42		15.7	0.0	
100	QPSK	1	271		15.31				
100	QPSK	135	0		15.15		15.7	0.0	
100	QPSK	135	69		15.52		15.7	0.0	
100	QPSK	135	138		15.36				
100	QPSK	270	0		15.51		15.7	0.0	
100	16QAM	1	1		15.44		15.7	0.0	
100	64QAM	1	1		15.28		15.7	0.0	
100	256QAM	1	1		15.30		15.7	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		15.38	15.25	15.23	15.7	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		15.30	15.46	15.27	15.7	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		15.23	15.40	15.44	15.7	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		15.43	15.46	15.34	15.7	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		15.28	15.32	15.24	15.7	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		15.32	15.45	15.29	15.7	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		15.28	15.35	15.40	15.7	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		15.44	15.35	15.44	15.7	0.0
Channel				630500	633334	636168			
Frequency (MHz)				3467.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		15.36	15.24	15.30	15.7	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		15.41	15.31	15.44	15.7	0.0



PC3 Part270 n78 Ant10 DSI5								
BW [MHz]	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		14.68		15.2	0.0
100	PI/2 BPSK	1	137		14.63			
100	PI/2 BPSK	1	271		14.69			
100	PI/2 BPSK	135	0		14.58		15.2	0.0
100	PI/2 BPSK	135	69		14.53		15.2	0.0
100	PI/2 BPSK	135	138		14.51		15.2	0.0
100	PI/2 BPSK	270	0		14.59			
100	QPSK	1	1		14.70			
100	QPSK	1	137		14.65		15.2	0.0
100	QPSK	1	271		14.50			
100	QPSK	135	0		14.49		15.2	0.0
100	QPSK	135	69		14.54		15.2	0.0
100	QPSK	135	138		14.50		15.2	0.0
100	QPSK	270	0		14.52			
100	16QAM	1	1		14.60		15.2	0.0
100	64QAM	1	1		14.66		15.2	0.0
100	256QAM	1	1		14.68		15.2	0.0
Channel				646668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		14.61	14.45	15.2	0.0
Channel				646334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		14.82	14.59	14.43	15.2
Channel				646000	650000	651000		
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		14.61	14.53	14.61	15.2
Channel				646668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		14.60	14.40	14.55	15.2
Channel				646334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		14.47	14.50	14.49	15.2
Channel				646000	650000	652000		
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		14.48	14.40	14.45	15.2
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		14.59	14.51	14.60	15.2
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		14.55	14.41	14.52	15.2
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.61	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		14.57	14.45	14.60	15.2
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		14.55	14.43	14.60	15.2



PC3 Part27Q n78 Ant10 DSI5									
BW [MHz]	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		14.92				
100	PI/2 BPSK	1	137		14.90		15.2	0.0	
100	PI/2 BPSK	1	271		15.00				
100	PI/2 BPSK	135	0		14.74		15.2	0.0	
100	PI/2 BPSK	135	69		14.85		15.2	0.0	
100	PI/2 BPSK	135	138		14.61		15.2	0.0	
100	PI/2 BPSK	270	0		14.70				
100	QPSK	1	1		15.01				
100	QPSK	1	137		14.91		15.2	0.0	
100	QPSK	1	271		14.59				
100	QPSK	135	0		14.61		15.2	0.0	
100	QPSK	135	69		14.77		15.2	0.0	
100	QPSK	135	138		14.61		15.2	0.0	
100	QPSK	270	0		14.68				
100	16QAM	1	1		14.85		15.2	0.0	
100	64QAM	1	1		14.86		15.2	0.0	
100	256QAM	1	1		14.96		15.2	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		14.77	14.69	14.90	15.2	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		14.78	14.70	14.87	15.2	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		14.70	14.85	14.70	15.2	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		14.72	14.69	14.84	15.2	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		14.79	14.77	14.74	15.2	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		14.90	14.85	14.86	15.2	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		14.91	14.92	14.87	15.2	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		14.80	14.86	14.79	15.2	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		14.81	14.76	14.76	15.2	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		14.87	14.92	14.83	15.2	0.0

### PC3 Part270 n77 Ant13 DSI5

BW (MHz)	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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.25	16.18	16.18		
100	PI/2 BPSK	1	137	16.33	16.24	16.15	16.7	0.0
100	PI/2 BPSK	1	271	16.23	16.06	16.14		
100	PI/2 BPSK	135	0	16.29	16.22	16.33	16.7	0.0
100	PI/2 BPSK	135	69	16.10	16.10	16.23	16.7	0.0
100	PI/2 BPSK	135	138	16.17	16.11	16.30		
100	PI/2 BPSK	270	0	16.15	16.15	16.28	16.7	0.0
100	QPSK	1	1	16.31	16.35	16.29		
100	QPSK	1	137	16.21	16.10	16.31	16.7	0.0
100	QPSK	1	271	16.20	16.08	16.26		
100	QPSK	135	0	16.33	16.13	16.27	16.7	0.0
100	QPSK	135	69	16.21	16.25	16.22	16.7	0.0
100	QPSK	135	138	16.12	16.01	16.20		
100	QPSK	270	0	16.20	16.22	16.21	16.7	0.0
100	16QAM	1	1	16.11	16.13	16.29	16.7	0.0
100	64QAM	1	1	16.10	16.11	16.11	16.7	0.0
100	256QAM	1	1	16.20	15.94	16.00	16.7	0.0
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.30	16.24	16.19	16.7	0.0
Channel				648334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.34	16.25	16.29	16.7	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.19	16.20	16.17	16.7	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.20	16.24	16.25	16.7	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.31	16.31	16.30	16.7	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.16	16.24	16.21	16.7	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.20	16.24	16.23	16.7	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.26	16.33	16.30	16.7	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.19	16.16	16.30	16.7	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.20	16.28	16.25	16.7	0.0



**PC3 Part27Q n77 Ant13 DSI5**

Channel	BW [MHz]	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)					3485	3500.01	3505.02		
100	PI/2 BPSK	1	1		16.20	16.22	16.23	16.7	0.0
100	PI/2 BPSK	1	137		16.26	16.24	16.24		
100	PI/2 BPSK	1	271		16.34	16.34	16.34	16.7	0.0
100	PI/2 BPSK	135	0		16.14	16.14	16.14	16.7	0.0
100	PI/2 BPSK	135	69		16.24	16.24	16.24	16.7	0.0
100	PI/2 BPSK	135	138		16.24	16.24	16.24	16.7	0.0
100	PI/2 BPSK	270	0		16.24	16.24	16.24	16.7	0.0
100	QPSK	1	1		16.37	16.37	16.37	16.7	0.0
100	QPSK	1	137		16.24	16.24	16.24	16.7	0.0
100	QPSK	1	271		16.31	16.31	16.31	16.7	0.0
100	QPSK	135	0		16.31	16.31	16.31	16.7	0.0
100	QPSK	135	69		16.33	16.33	16.33	16.7	0.0
100	QPSK	135	138		16.10	16.10	16.10	16.7	0.0
100	QPSK	270	0		16.30	16.30	16.30	16.7	0.0
100	16QAM	1	1		16.24	16.24	16.24	16.7	0.0
100	64QAM	1	1		16.15	16.15	16.15	16.7	0.0
100	256QAM	1	1		16.04	16.04	16.04	16.7	0.0
Channel					633000	633334	633668		
Frequency (MHz)					3485	3500.01	3505.02		
90	QPSK	1	1		16.08	16.27	16.23	16.7	0.0
Channel					632668	633334	634000		
Frequency (MHz)					3490.02	3500.01	3510		
80	QPSK	1	1		16.17	16.15	16.07	16.7	0.0
Channel					632334	633334	634334		
Frequency (MHz)					3485.01	3500.01	3515.01		
70	QPSK	1	1		16.28	16.07	16.29	16.7	0.0
Channel					632000	633334	634668		
Frequency (MHz)					3480	3500.01	3520.02		
60	QPSK	1	1		16.13	16.20	16.28	16.7	0.0
Channel					631668	633334	635000		
Frequency (MHz)					3475.02	3500.01	3525		
50	QPSK	1	1		16.08	16.19	16.19	16.7	0.0
Channel					631334	633334	635334		
Frequency (MHz)					3470.01	3500.01	3530.01		
40	QPSK	1	1		16.23	16.12	16.06	16.7	0.0
Channel					631000	633334	635668		
Frequency (MHz)					3465	3500.01	3535.02		
30	QPSK	1	1		16.11	16.17	16.25	16.7	0.0
Channel					630668	633334	636000		
Frequency (MHz)					3460.02	3500.01	3540		
20	QPSK	1	1		16.06	16.28	16.08	16.7	0.0
Channel					630500	633334	636168		
Frequency (MHz)					3457.5	3500.01	3542.52		
15	QPSK	1	1		16.19	16.26	16.07	16.7	0.0
Channel					630334	633334	636334		
Frequency (MHz)					3455.01	3500.01	3545.01		
10	QPSK	1	1		16.28	16.07	16.06	16.7	0.0



PC3 Part270 n78 Ant13 DSI5									
BW [MHz]	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		17.09				
100	PI/2 BPSK	1	137		16.84		17.7	0.0	
100	PI/2 BPSK	1	271		17.04				
100	PI/2 BPSK	135	0		16.75		17.7	0.0	
100	PI/2 BPSK	135	69		16.76		17.7	0.0	
100	PI/2 BPSK	135	138		17.01				
100	PI/2 BPSK	270	0		16.85		17.7	0.0	
100	QPSK	1	1		17.16				
100	QPSK	1	137		16.98		17.7	0.0	
100	QPSK	1	271		16.83				
100	QPSK	135	0		16.79		17.7	0.0	
100	QPSK	135	69		17.11		17.7	0.0	
100	QPSK	135	138		16.82				
100	QPSK	270	0		16.99		17.7	0.0	
100	16QAM	1	1		16.91		17.7	0.0	
100	64QAM	1	1		16.84		17.7	0.0	
100	256QAM	1	1		17.03		17.7	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		16.91	16.90	16.95	17.7	0.0
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		16.85	16.92	16.92	17.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		16.92	16.92	16.86	17.7	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		16.93	16.88	17.05	17.7	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		16.94	16.86	17.05	17.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		17.00	16.87	17.01	17.7	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		17.06	16.86	17.05	17.7	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		16.96	16.92	16.99	17.7	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		17.04	16.84	16.99	17.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		17.06	16.96	16.91	17.7	0.0



PC3 Part27Q n78 Ant13 DSI5								
BW [MHz]	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		17.11			
100	PI/2 BPSK	1	137		16.90		17.7	0.0
100	PI/2 BPSK	1	271		17.11			
100	PI/2 BPSK	135	0		16.96		17.7	0.0
100	PI/2 BPSK	135	69		16.99		17.7	0.0
100	PI/2 BPSK	135	138		17.01			
100	PI/2 BPSK	270	0		16.86		17.7	0.0
100	QPSK	1	1		17.17			
100	QPSK	1	137		17.15		17.7	0.0
100	QPSK	1	271		16.84			
100	QPSK	135	0		16.79		17.7	0.0
100	QPSK	135	69		17.08		17.7	0.0
100	QPSK	135	138		16.91			
100	QPSK	270	0		17.00		17.7	0.0
100	16QAM	1	1		16.86		17.7	0.0
100	64QAM	1	1		17.06		17.7	0.0
100	256QAM	1	1		16.99		17.7	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	16.86	16.86	17.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	16.92	16.92	16.85	17.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	17.08	17.08	17.02	17.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	16.86	17.05	17.02	17.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	17.00	17.08	16.94	17.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	16.86	16.86	16.93	17.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	16.96	16.95	16.93	17.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	16.87	17.00	17.05	17.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	16.99	17.07	16.93	17.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	16.89	17.06	17.09	17.7	0.0



PC2 Part270 n77 Ant1 DSI5								
BW [MHz]	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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.33	22.54	22.10	24.0	0.0
100	PI/2 BPSK	1	137	22.34	22.35	22.14		
100	PI/2 BPSK	1	271	22.26	22.51	22.30		
100	PI/2 BPSK	135	0	22.21	22.38	22.15	24.0	0.0
100	PI/2 BPSK	135	69	22.37	22.47	22.20	24.0	0.0
100	PI/2 BPSK	135	138	22.28	22.46	22.20	24.0	0.0
100	PI/2 BPSK	270	0	22.36	22.43	22.12		
100	QPSK	1	1	22.16	22.55	22.11		
100	QPSK	1	137	22.27	22.45	22.27	24.0	0.0
100	QPSK	1	271	22.25	22.37	22.31		
100	QPSK	135	0	22.22	22.36	22.20		
100	QPSK	135	69	22.17	22.43	22.30	24.0	0.0
100	QPSK	135	138	22.18	22.18	22.21	24.0	0.0
100	QPSK	270	0	22.21	22.41	22.17		
100	16QAM	1	1	22.22	22.54	22.26		
100	64QAM	1	1	22.38	22.52	22.15	24.0	0.0
100	256QAM	1	1	22.28	22.36	22.19	24.0	0.0
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	22.22	22.54	22.23	24.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	22.26	22.51	22.25	24.0	0.0
Channel				648000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	22.23	22.53	22.21	24.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	22.25	22.43	22.27	24.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	22.17	22.43	22.15	24.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.22	22.33	22.13	24.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	22.16	22.44	22.17	24.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	22.28	22.43	22.21	24.0	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1	22.36	22.54	22.23	24.0	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	22.29	22.40	22.16	24.0	0.0



PC2 Part27Q n77 Ant1 DSI5								
BW [MHz]	Modulation	RB 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		23.14			
100	PI/2 BPSK	1	137		22.91		24.0	0.0
100	PI/2 BPSK	1	271		23.12			
100	PI/2 BPSK	135	0		23.07		24.0	0.0
100	PI/2 BPSK	135	69		23.09		24.0	0.0
100	PI/2 BPSK	135	138		23.13			
100	PI/2 BPSK	270	0		23.06		24.0	0.0
100	QPSK	1	1		23.16			
100	QPSK	1	137		23.09		24.0	0.0
100	QPSK	1	271		23.03			
100	QPSK	135	0		23.09		24.0	0.0
100	QPSK	135	69		23.12		24.0	0.0
100	QPSK	135	138		22.73		24.0	0.0
100	QPSK	270	0		23.02			
100	16QAM	1	1		23.09		24.0	0.0
100	64QAM	1	1		23.13		24.0	0.0
100	256QAM	1	1		22.97		24.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.11	23.12	23.00	24.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.02	23.16	23.12	24.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.16	23.00	23.04	24.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.12	23.17	23.02	24.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.06	23.09	23.16	24.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.98	23.06	23.15	24.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.17	23.17	23.13	24.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.14	23.12	23.02	24.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.07	23.09	23.16	24.0	0.0
Channel				630000	633334	636668		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.11	23.14	23.01	24.0	0.0



### PC2 Part270 n78 Ant1 DSI5

BW [MHz]	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		22.25		23.5	0.0
100	PI/2 BPSK	1	137		22.38			
100	PI/2 BPSK	1	271		22.21			
100	PI/2 BPSK	135	0		22.35		23.5	0.0
100	PI/2 BPSK	135	69		22.19		23.5	0.0
100	PI/2 BPSK	135	138		22.32			
100	PI/2 BPSK	270	0		22.27		23.5	0.0
100	QPSK	1	1		22.45			
100	QPSK	1	137		22.39		23.5	0.0
100	QPSK	1	271		22.41			
100	QPSK	135	0		22.35		23.5	0.0
100	QPSK	135	69		22.40		23.5	0.0
100	QPSK	135	138		22.20			
100	QPSK	270	0		22.38		23.5	0.0
100	16QAM	1	1		22.35		23.5	0.0
100	64QAM	1	1		22.28		23.5	0.0
100	256QAM	1	1		22.41		23.5	0.0
Channel				648668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1		22.28	22.37	23.5	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1		22.40	22.30	22.37	23.5
Channel				648000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1		22.35	22.33	22.20	23.5
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1		22.27	22.38	22.37	23.5
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1		22.30	22.28	22.37	23.5
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1		22.21	22.29	22.29	23.5
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1		22.32	22.20	22.18	23.5
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1		22.39	22.32	22.19	23.5
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.61	(dBm)	(dB)
15	QPSK	1	1		22.28	22.26	22.26	23.5
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1		22.38	22.34	22.35	23.5



PC2 Part27Q n78 Ant1 DSI5								
BW [MHz]	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		22.34			
100	PI/2 BPSK	1	137		22.43		23.5	0.0
100	PI/2 BPSK	1	271		22.15			
100	PI/2 BPSK	135	0		22.39		23.5	0.0
100	PI/2 BPSK	135	69		22.07		23.5	0.0
100	PI/2 BPSK	135	138		22.36		23.5	0.0
100	PI/2 BPSK	270	0		22.35			
100	QPSK	1	1		22.51			
100	QPSK	1	137		22.27		23.5	0.0
100	QPSK	1	271		22.39			
100	QPSK	135	0		22.37		23.5	0.0
100	QPSK	135	69		22.46		23.5	0.0
100	QPSK	135	138		22.11		23.5	0.0
100	QPSK	270	0		22.40			
100	16QAM	1	1		22.42		23.5	0.0
100	64QAM	1	1		22.23		23.5	0.0
100	256QAM	1	1		22.49		23.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		22.35	22.35	22.19	23.5
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		22.20	22.24	22.33	23.5
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		22.28	22.38	22.35	23.5
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		22.39	22.42	22.40	23.5
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		22.27	22.38	22.36	23.5
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		22.38	22.33	22.19	23.5
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		22.31	22.41	22.25	23.5
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		22.39	22.22	22.29	23.5
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		22.28	22.33	22.39	23.5
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		22.19	22.24	22.26	23.5



PC2 Part270 n77 Ant3 DSI5								
BW [MHz]	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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.71	21.15	21.10		
100	PI/2 BPSK	1	137	20.69	21.12	20.97	21.7	0.0
100	PI/2 BPSK	1	271	20.71	21.18	21.02		
100	PI/2 BPSK	135	0	20.69	21.05	21.11	21.7	0.0
100	PI/2 BPSK	135	69	20.90	21.22	21.02	21.7	0.0
100	PI/2 BPSK	135	138	20.79	21.12	20.88	21.7	0.0
100	PI/2 BPSK	270	0	20.69	21.06	21.06		
100	QPSK	1	1	20.91	21.23	21.10		
100	QPSK	1	137	20.76	21.10	20.91	21.7	0.0
100	QPSK	1	271	20.85	21.09	20.89		
100	QPSK	135	0	20.91	21.14	21.11	21.7	0.0
100	QPSK	135	69	20.77	21.22	20.94	21.7	0.0
100	QPSK	135	138	20.71	21.20	21.05	21.7	0.0
100	QPSK	270	0	20.77	21.21	20.95		
100	16QAM	1	1	20.90	21.05	21.10	21.7	0.0
100	64QAM	1	1	20.85	21.15	20.88	21.7	0.0
100	256QAM	1	1	20.84	21.04	21.06	21.7	0.0
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.71	21.21	21.02	21.7	0.0
Channel				648334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.89	21.07	20.92	21.7	0.0
Channel				648000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.77	21.08	21.08	21.7	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.82	21.12	20.91	21.7	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.76	21.20	21.05	21.7	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.89	21.22	21.18	21.7	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.90	21.23	20.88	21.7	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.87	21.20	21.09	21.7	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.61	(dBm)	(dB)
15	QPSK	1	1	20.74	21.19	21.00	21.7	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	20.77	21.06	21.11	21.7	0.0



PC2 Part27Q n77 Ant3 DSI5								
BW [MHz]	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		21.15			
100	PI/2 BPSK	1	137		21.16		21.7	0.0
100	PI/2 BPSK	1	271		21.39			
100	PI/2 BPSK	135	0		21.27		21.7	0.0
100	PI/2 BPSK	135	69		21.25		21.7	0.0
100	PI/2 BPSK	135	138		21.23		21.7	0.0
100	PI/2 BPSK	270	0		21.19			
100	QPSK	1	1		21.42			
100	QPSK	1	137		21.11		21.7	0.0
100	QPSK	1	271		21.26			
100	QPSK	135	0		21.32		21.7	0.0
100	QPSK	135	69		21.34		21.7	0.0
100	QPSK	135	138		21.24		21.7	0.0
100	QPSK	270	0		21.26			
100	16QAM	1	1		21.12		21.7	0.0
100	64QAM	1	1		21.34		21.7	0.0
100	256QAM	1	1		21.05		21.7	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.22	21.27	21.31	21.7	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.21	21.16	21.25	21.7	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.29	21.28	21.19	21.7	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.10	21.27	21.30	21.7	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.27	21.15	21.22	21.7	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.11	21.15	21.25	21.7	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.21	21.10	21.16	21.7	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.29	21.20	21.17	21.7	0.0
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.16	21.23	21.25	21.7	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.22	21.10	21.28	21.7	0.0



PC2 Part270 n78 Ant3 DSI5								
BW [MHz]	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		22.14			
100	PI/2 BPSK	1	137		22.05		22.7	0.0
100	PI/2 BPSK	1	271		22.06			
100	PI/2 BPSK	135	0		22.10		22.7	0.0
100	PI/2 BPSK	135	69		22.02		22.7	0.0
100	PI/2 BPSK	135	138		22.10			
100	PI/2 BPSK	270	0		22.03		22.7	0.0
100	QPSK	1	1		22.16			
100	QPSK	1	137		22.07		22.7	0.0
100	QPSK	1	271		22.10			
100	QPSK	135	0		22.04		22.7	0.0
100	QPSK	135	69		22.09		22.7	0.0
100	QPSK	135	138		22.06			
100	QPSK	270	0		22.07		22.7	0.0
100	16QAM	1	1		21.92		22.7	0.0
100	64QAM	1	1		21.98		22.7	0.0
100	256QAM	1	1		21.95		22.7	0.0
Channel				646668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		22.07	21.99	22.7	0.0
Channel				646334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		22.05	21.93	21.87	22.7
Channel				646000	650000	651000		
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		21.88	21.90	22.03	22.7
Channel				646668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		22.00	21.89	21.94	22.7
Channel				646334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		21.98	21.98	21.90	22.7
Channel				646000	650000	652000		
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		21.94	21.98	21.97	22.7
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		22.02	21.91	22.02	22.7
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		21.88	22.05	22.02	22.7
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.61	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		21.89	22.05	21.85	22.7
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		22.04	22.04	21.87	22.7





PC2 Part27Q n78 Ant3 DSI5								
BW [MHz]	Modulation	RB 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		21.96			
100	PI/2 BPSK	1	137		22.09		22.7	0.0
100	PI/2 BPSK	1	271		22.06			
100	PI/2 BPSK	135	0		21.97		22.7	0.0
100	PI/2 BPSK	135	69		22.06		22.7	0.0
100	PI/2 BPSK	135	138		21.96			
100	PI/2 BPSK	270	0		21.85		22.7	0.0
100	QPSK	1	1		22.17			
100	QPSK	1	137		22.09		22.7	0.0
100	QPSK	1	271		22.15			
100	QPSK	135	0		21.97		22.7	0.0
100	QPSK	135	69		22.12		22.7	0.0
100	QPSK	135	138		21.95		22.7	0.0
100	QPSK	270	0		22.10			
100	16QAM	1	1		21.87		22.7	0.0
100	64QAM	1	1		21.83		22.7	0.0
100	256QAM	1	1		21.81		22.7	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		22.13	22.12	22.02	22.7
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		22.11	22.05	22.02	22.7
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		22.00	22.14	22.11	22.7
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		22.12	22.16	22.17	22.7
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		22.13	22.01	22.04	22.7
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		22.12	22.14	22.10	22.7
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		22.17	22.04	22.00	22.7
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		22.16	22.00	22.12	22.7
Channel				630334	633334	636334		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		22.17	22.07	22.00	22.7
Channel				630000	633334	636668		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		22.15	22.04	22.00	22.7



### PC2 Part270 n77 Ant10 DSI5

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel	650000	650000	662000					
Frequency (MHz)	3750	3840	3930					
100	PI/2 BPSK	1	1	18.18	18.10	17.98	18.7	0.0
100	PI/2 BPSK	1	137	18.11	18.23	17.99		
100	PI/2 BPSK	1	271	18.19	18.23	17.99		
100	PI/2 BPSK	135	0	18.09	18.31	18.05	18.7	0.0
100	PI/2 BPSK	135	69	18.03	18.23	18.04	18.7	0.0
100	PI/2 BPSK	135	138	18.22	18.08	17.89	18.7	0.0
100	PI/2 BPSK	270	0	18.09	18.31	17.95		
100	QPSK	1	1	18.07	18.32	17.82	18.7	0.0
100	QPSK	1	137	18.21	18.21	17.86		
100	QPSK	1	271	18.11	18.19	17.86		
100	QPSK	135	0	18.06	18.21	17.84	18.7	0.0
100	QPSK	135	69	18.09	18.30	17.87	18.7	0.0
100	QPSK	135	138	18.15	18.11	18.04	18.7	0.0
100	QPSK	270	0	18.08	18.20	17.86		
100	16QAM	1	1	18.20	18.17	18.00	18.7	0.0
100	64QAM	1	1	18.03	18.26	17.85	18.7	0.0
100	256QAM	1	1	18.21	18.19	18.04	18.7	0.0
Channel	648668	650000	662334	Tune-up limit	MPR			
Frequency (MHz)	3745.02	3840	3935.01	(dBm)	(dB)			
90	QPSK	1	1	18.14	18.12	17.94	18.7	0.0
Channel	648334	650000	662668	Tune-up limit	MPR			
Frequency (MHz)	3740.01	3840	3940.02	(dBm)	(dB)			
80	QPSK	1	1	18.14	18.16	17.94	18.7	0.0
Channel	648000	650000	663000	Tune-up limit	MPR			
Frequency (MHz)	3735	3840	3945	(dBm)	(dB)			
70	QPSK	1	1	18.06	18.21	18.06	18.7	0.0
Channel	648668	650000	663334	Tune-up limit	MPR			
Frequency (MHz)	3730.02	3840	3950.01	(dBm)	(dB)			
60	QPSK	1	1	18.06	18.20	18.07	18.7	0.0
Channel	648334	650000	663668	Tune-up limit	MPR			
Frequency (MHz)	3725.01	3840	3955.02	(dBm)	(dB)			
50	QPSK	1	1	18.05	18.12	17.84	18.7	0.0
Channel	648000	650000	664000	Tune-up limit	MPR			
Frequency (MHz)	3720	3840	3960	(dBm)	(dB)			
40	QPSK	1	1	18.02	18.18	18.04	18.7	0.0
Channel	647668	650000	664334	Tune-up limit	MPR			
Frequency (MHz)	3715.02	3840	3965.01	(dBm)	(dB)			
30	QPSK	1	1	18.01	18.28	17.87	18.7	0.0
Channel	647334	650000	664668	Tune-up limit	MPR			
Frequency (MHz)	3710.01	3840	3970.02	(dBm)	(dB)			
20	QPSK	1	1	18.09	18.29	18.02	18.7	0.0
Channel	647168	650000	664834	Tune-up limit	MPR			
Frequency (MHz)	3707.52	3840	3972.61	(dBm)	(dB)			
15	QPSK	1	1	18.14	18.17	18.04	18.7	0.0
Channel	647000	650000	665000	Tune-up limit	MPR			
Frequency (MHz)	3705	3840	3975	(dBm)	(dB)			
10	QPSK	1	1	17.99	18.16	18.02	18.7	0.0



PC2 Part27Q n77 Ant10 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.29			
100	PI/2 BPSK	1	137		18.36		18.7	0.0
100	PI/2 BPSK	1	271		18.34			
100	PI/2 BPSK	135	0		18.49		18.7	0.0
100	PI/2 BPSK	135	69		18.44		18.7	0.0
100	PI/2 BPSK	135	138		18.22			
100	PI/2 BPSK	270	0		18.37		18.7	0.0
100	QPSK	1	1		18.50			
100	QPSK	1	137		18.43		18.7	0.0
100	QPSK	1	271		18.33			
100	QPSK	135	0		18.28		18.7	0.0
100	QPSK	135	69		18.43		18.7	0.0
100	QPSK	135	138		18.28			
100	QPSK	270	0		18.32		18.7	0.0
100	16QAM	1	1		18.23		18.7	0.0
100	64QAM	1	1		18.27		18.7	0.0
100	256QAM	1	1		18.25		18.7	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.24	18.28	18.20	18.7	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.25	18.35	18.28	18.7	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.38	18.39	18.32	18.7	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.30	18.23	18.26	18.7	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.35	18.39	18.30	18.7	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.28	18.42	18.22	18.7	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.40	18.41	18.30	18.7	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.20	18.35	18.21	18.7	0.0
Channel				630300	633334	636368		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.31	18.28	18.33	18.7	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.39	18.21	18.40	18.7	0.0



PC2 Part270 n78 Ant10 DSI5									
BW [MHz]	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		17.58				
100	PI/2 BPSK	1	137		17.52		18.2	0.0	
100	PI/2 BPSK	1	271		17.56				
100	PI/2 BPSK	135	0		17.68		18.2	0.0	
100	PI/2 BPSK	135	69		17.65		18.2	0.0	
100	PI/2 BPSK	135	138		17.55				
100	PI/2 BPSK	270	0		17.62		18.2	0.0	
100	QPSK	1	1		17.70				
100	QPSK	1	137		17.61		18.2	0.0	
100	QPSK	1	271		17.62				
100	QPSK	135	0		17.65		18.2	0.0	
100	QPSK	135	69		17.65		18.2	0.0	
100	QPSK	135	138		17.62				
100	QPSK	270	0		17.64		18.2	0.0	
100	16QAM	1	1		17.63		18.2	0.0	
100	64QAM	1	1		17.69		18.2	0.0	
100	256QAM	1	1		17.59		18.2	0.0	
Channel				646668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		17.53	17.46	18.2	0.0	
Channel				646334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		17.62	17.45	18.2	0.0	
Channel				646000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		17.49	17.45	17.51	18.2	0.0
Channel				646668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		17.59	17.42	17.63	18.2	0.0
Channel				646334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		17.46	17.41	17.57	18.2	0.0
Channel				646000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		17.60	17.51	17.54	18.2	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		17.55	17.48	17.41	18.2	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		17.50	17.56	17.49	18.2	0.0
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.61			
15	QPSK	1	1		17.51	17.63	17.56	18.2	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		17.47	17.43	17.41	18.2	0.0



PC2 Part27Q n78 Ant10 DSI5									
BW [MHz]	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		17.82				
100	PI/2 BPSK	1	137		17.78		18.2	0.0	
100	PI/2 BPSK	1	271		17.70				
100	PI/2 BPSK	135	0		17.95		18.2	0.0	
100	PI/2 BPSK	135	69		17.98		18.2	0.0	
100	PI/2 BPSK	135	138		17.74				
100	PI/2 BPSK	270	0		17.85		18.2	0.0	
100	QPSK	1	1		18.00				
100	QPSK	1	137		17.72		18.2	0.0	
100	QPSK	1	271		17.82				
100	QPSK	135	0		17.78		18.2	0.0	
100	QPSK	135	69		17.95		18.2	0.0	
100	QPSK	135	138		17.77				
100	QPSK	270	0		17.89		18.2	0.0	
100	16QAM	1	1		17.76		18.2	0.0	
100	64QAM	1	1		17.87		18.2	0.0	
100	256QAM	1	1		17.83		18.2	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		17.85	17.73	17.77	18.2	0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		17.73	17.87	17.73	18.2	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		17.81	17.85	17.70	18.2	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		17.75	17.69	17.83	18.2	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		17.92	17.84	17.70	18.2	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		17.69	17.85	17.87	18.2	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		17.82	17.75	17.81	18.2	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		17.78	17.70	17.71	18.2	0.0
Channel				630300	633334	636368			
Frequency (MHz)				3457.5	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		17.73	17.88	17.71	18.2	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		17.73	17.89	17.89	18.2	0.0



**PC2 Part270 n77 Ant13 DSI5**

BW [MHz]	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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.25	18.29	18.13		
100	PI/2 BPSK	1	137	18.16	18.31	18.12	19.7	0.0
100	PI/2 BPSK	1	271	18.19	18.24	18.17		
100	PI/2 BPSK	135	0	18.21	18.32	18.13	19.7	0.0
100	PI/2 BPSK	135	69	18.18	18.23	18.15	19.7	0.0
100	PI/2 BPSK	135	138	18.09	18.33	18.17	19.7	0.0
100	PI/2 BPSK	270	0	18.06	18.31	18.28		
100	QPSK	1	1	18.26	18.34	18.32		
100	QPSK	1	137	18.06	18.29	18.15	19.7	0.0
100	QPSK	1	271	18.06	18.26	18.23		
100	QPSK	135	0	18.20	18.25	18.23	19.7	0.0
100	QPSK	135	69	18.26	18.30	18.24	19.7	0.0
100	QPSK	135	138	18.04	18.28	18.14	19.7	0.0
100	QPSK	270	0	18.16	18.29	18.24		
100	16QAM	1	1	18.22	18.26	18.18	19.7	0.0
100	64QAM	1	1	18.24	18.20	18.15	19.7	0.0
100	256QAM	1	1	18.21	18.13	18.21	19.7	0.0
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.22	18.22	18.21	19.7	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.12	18.23	18.16	19.7	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.05	18.33	18.16	19.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.12	18.25	18.18	19.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.10	18.22	18.12	19.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.12	18.22	18.20	19.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.17	18.31	18.19	19.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.21	18.31	18.15	19.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.20	18.18	18.24	19.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.14	18.32	18.11	19.7	0.0



PC2 Part27Q n77 Ant13 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.22				
100	PI/2 BPSK	1	137		18.20		19.7	0.0	
100	PI/2 BPSK	1	271		18.15				
100	PI/2 BPSK	135	0		18.26		19.7	0.0	
100	PI/2 BPSK	135	69		18.10		19.7	0.0	
100	PI/2 BPSK	135	138		18.35				
100	PI/2 BPSK	270	0		18.27		19.7	0.0	
100	QPSK	1	1		18.36				
100	QPSK	1	137		18.19		19.7	0.0	
100	QPSK	1	271		18.33				
100	QPSK	135	0		18.15		19.7	0.0	
100	QPSK	135	69		18.33		19.7	0.0	
100	QPSK	135	138		18.21				
100	QPSK	270	0		18.30		19.7	0.0	
100	16QAM	1	1		18.28		19.7	0.0	
100	64QAM	1	1		18.23		19.7	0.0	
100	256QAM	1	1		17.99		19.7	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		18.05	18.17	18.09	19.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		18.17	18.26	18.06	19.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		18.11	18.28	18.19	19.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		18.16	18.07	18.19	19.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		18.07	18.21	18.19	19.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		18.04	18.27	18.27	19.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		18.23	18.09	18.15	19.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		18.19	18.18	18.16	19.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		18.13	18.12	18.15	19.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		18.11	18.10	18.15	19.7	0.0



PC2 Part270 n78 Ant13 DSI5								
BW [MHz]	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	19.15	19.01	19.01	20.7	0.0
100	PI/2 BPSK	1	137	19.01	19.01	19.01		
100	PI/2 BPSK	1	271	19.18	19.01	19.01		
100	PI/2 BPSK	135	0	18.98	18.98	18.98	20.7	0.0
100	PI/2 BPSK	135	69	19.00	19.00	19.00	20.7	0.0
100	PI/2 BPSK	135	138	19.03	19.03	19.03	20.7	0.0
100	PI/2 BPSK	270	0	18.99	18.99	18.99		
100	QPSK	1	1	19.20	19.20	19.20		
100	QPSK	1	137	19.19	19.19	19.19	20.7	0.0
100	QPSK	1	271	18.98	18.98	18.98		
100	QPSK	135	0	18.98	18.98	18.98		
100	QPSK	135	69	19.15	19.15	19.15	20.7	0.0
100	QPSK	135	138	19.00	19.00	19.00	20.7	0.0
100	QPSK	270	0	19.13	19.13	19.13		
100	QPSK	1	1	18.96	18.96	18.96		
100	16QAM	1	1	19.08	19.08	19.08	20.7	0.0
100	256QAM	1	1	19.18	19.18	19.18	20.7	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	19.01	18.92	18.96	20.7	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.11	19.08	19.01	20.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.00	18.95	19.05	20.7	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.98	19.03	19.10	20.7	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.20	19.07	19.05	20.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.17	19.12	19.07	20.7	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	19.03	19.15	19.04	20.7	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.12	19.07	19.13	20.7	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	19.20	19.08	19.13	20.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	19.06	18.96	19.02	20.7	0.0





PC2 Part27Q n78 Ant13 DSI5									
BW [MHz]	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		19.33				
100	PI/2 BPSK	1	137		19.11		20.7	0.0	
100	PI/2 BPSK	1	271		19.25				
100	PI/2 BPSK	135	0		19.22		20.7	0.0	
100	PI/2 BPSK	135	69		19.14		20.7	0.0	
100	PI/2 BPSK	135	138		19.08				
100	PI/2 BPSK	270	0		19.16		20.7	0.0	
100	QPSK	1	1		19.37				
100	QPSK	1	137		19.32		20.7	0.0	
100	QPSK	1	271		19.17				
100	QPSK	135	0		19.07		20.7	0.0	
100	QPSK	135	69		19.31		20.7	0.0	
100	QPSK	135	138		19.18				
100	QPSK	270	0		19.21		20.7	0.0	
100	16QAM	1	1		19.06		20.7	0.0	
100	64QAM	1	1		19.32		20.7	0.0	
100	256QAM	1	1		19.26		20.7	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		19.12	19.24	19.23	20.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		19.16	19.16	19.30	20.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		19.24	19.18	19.34	20.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		19.35	19.29	19.14	20.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		19.33	19.23	19.20	20.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		19.29	19.29	19.15	20.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		19.23	19.17	19.12	20.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		19.30	19.29	19.24	20.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		19.29	19.18	19.33	20.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		19.25	19.24	19.35	20.7	0.0



### Other PA Full Power

PC3 Part270 n77 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				650000	656000	662000	25.7	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	23.88	24.07	23.79	25.7	0.0	
100	PI/2 BPSK	1	137	23.97	24.09	23.90			
100	PI/2 BPSK	1	271	23.83	24.06	23.96			
100	PI/2 BPSK	135	0	23.52	23.67	23.53	25.2	0.5	
100	PI/2 BPSK	135	69	23.86	24.08	23.92	25.7	0.0	
100	PI/2 BPSK	135	138	23.61	23.62	23.38	25.2	0.5	
100	PI/2 BPSK	270	0	23.56	23.69	23.36			
100	QPSK	1	1	24.03	24.14	23.97			
100	QPSK	1	137	23.98	23.95	23.94	25.7	0.0	
100	QPSK	1	271	23.91	24.12	23.84			
100	QPSK	135	0	22.94	23.03	23.03			
100	QPSK	135	69	24.05	24.10	23.97	24.7	1.0	
100	QPSK	135	138	23.05	23.05	23.03	25.7	0.0	
100	QPSK	270	0	23.01	23.08	22.92	24.7	1.0	
100	16QAM	1	1	23.04	23.15	22.93	24.7	1.0	
100	64QAM	1	1	21.53	21.58	21.56	23.2	2.5	
100	256QAM	1	1	19.45	19.46	19.48	21.2	4.5	
Channel				649668	656000	662334	25.7	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.96	23.96	23.83	25.7	0.0	
Channel				649334	656000	662668	25.7	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.95	24.11	23.81	25.7	0.0	
Channel				649000	656000	663000	25.7	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	24.02	24.06	23.91	25.7	0.0	
Channel				648668	656000	663334	25.7	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	24.01	23.95	23.97	25.7	0.0	
Channel				648334	656000	663668	25.7	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	24.05	24.06	23.79	25.7	0.0	
Channel				648000	656000	664000	25.7	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.89	24.11	23.82	25.7	0.0	
Channel				647668	656000	664334	25.7	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.93	23.89	23.82	25.7	0.0	
Channel				647334	656000	664668	25.7	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.99	23.96	23.99	25.7	0.0	
Channel				647168	656000	664834	25.7	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.96	23.92	23.75	25.7	0.0	
Channel				647000	656000	665000	25.7	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	24.02	24.01	23.89	25.7	0.0	

PC2 Part270 n77 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				650000	656000	662000	25.9	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	24.26	24.32	24.15	25.9	0.0	
100	PI/2 BPSK	1	137	24.18	24.25	24.21			
100	PI/2 BPSK	1	271	24.06	24.29	24.07			
100	PI/2 BPSK	135	0	24.14	24.12	24.18	25.9	0.0	
100	PI/2 BPSK	135	69	24.05	24.19	24.29	25.9	0.0	
100	PI/2 BPSK	135	138	24.07	24.08	24.06	25.9	0.0	
100	PI/2 BPSK	270	0	24.25	24.31	24.09			
100	QPSK	1	1	24.07	24.40	24.20			
100	QPSK	1	137	24.15	24.16	24.14	25.9	0.0	
100	QPSK	1	271	24.14	24.29	24.07			
100	QPSK	135	0	24.21	24.11	24.01			
100	QPSK	135	69	24.21	24.25	24.07	25.9	0.0	
100	QPSK	135	138	24.07	24.01	24.07	25.9	0.0	
100	QPSK	270	0	24.14	24.22	24.07			
100	16QAM	1	1	24.26	24.20	24.26			
100	64QAM	1	1	22.68	22.78	22.68	24.4	1.5	
100	256QAM	1	1	20.63	20.60	20.58	22.4	3.5	
Channel				649668	656000	662334	25.9	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	24.14	24.22	24.07	25.9	0.0	
Channel				649334	656000	662668	25.9	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	24.09	24.20	24.07	25.9	0.0	
Channel				649000	656000	663000	25.9	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	24.18	24.27	24.07	25.9	0.0	
Channel				648668	656000	663334	25.9	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	24.05	24.11	24.07	25.9	0.0	
Channel				648334	656000	663668	25.9	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	24.06	24.14	24.07	25.9	0.0	
Channel				648000	656000	664000	25.9	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	24.11	24.22	24.07	25.9	0.0	
Channel				647668	656000	664334	25.9	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	24.05	24.26	24.09	25.9	0.0	
Channel				647334	656000	664668	25.9	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	24.06	24.16	24.04	25.9	0.0	
Channel				647168	656000	664834	25.9	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	24.23	24.17	24.04	25.9	0.0	
Channel				647000	656000	665000	25.9	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	24.20	24.29	24.07	25.9	0.0	



### PC3 Part27Q n77 Ant3 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				
				3500.01				
100	PI/2 BPSK	1	1	23.96			25.7	0.0
100	PI/2 BPSK	1	137	23.94				
100	PI/2 BPSK	1	271	23.88				
100	PI/2 BPSK	135	0	23.62				
100	PI/2 BPSK	135	69	23.87				
100	PI/2 BPSK	135	138	23.49				
100	PI/2 BPSK	270	0	23.50				
100	QPSK	1	1	24.10				
100	QPSK	1	137	23.79				
100	QPSK	1	271	23.53				
100	QPSK	135	0	22.90				
100	QPSK	135	69	24.06				
100	QPSK	135	138	22.95				
100	QPSK	270	0	23.02				
100	16QAM	1	1	23.16				
100	64QAM	1	1	21.58				
100	256QAM	1	1	19.46				
				633000				
				3495				
				3500.01				
90	QPSK	1	1	23.94			25.7	
Channel								
Frequency (MHz)								
				632688				
				3490.02				
80	QPSK	1	1	23.77			25.7	
Channel								
Frequency (MHz)								
				632334				
				3485.01				
70	QPSK	1	1	23.83			25.7	
Channel								
Frequency (MHz)								
				632000				
				3480				
60	QPSK	1	1	23.75			25.7	
Channel								
Frequency (MHz)								
				631688				
				3475.02				
50	QPSK	1	1	23.91			25.7	
Channel								
Frequency (MHz)								
				631334				
				3470.01				
40	QPSK	1	1	23.86			25.7	
Channel								
Frequency (MHz)								
				631000				
				3465				
30	QPSK	1	1	23.93			25.7	
Channel								
Frequency (MHz)								
				630688				
				3460.02				
20	QPSK	1	1	23.90			25.7	
Channel								
Frequency (MHz)								
				630500				
				3457.5				
15	QPSK	1	1	23.95			25.7	
Channel								
Frequency (MHz)								
				630334				
				3455.01				
10	QPSK	1	1	23.77			25.7	

### PC2 Part27Q n77 Ant3 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				
				3500.01				
100	PI/2 BPSK	1	1	24.20			25.9	0.0
100	PI/2 BPSK	1	137	24.09				
100	PI/2 BPSK	1	271	24.10				
100	PI/2 BPSK	135	0	24.04				
100	PI/2 BPSK	135	69	24.14				
100	PI/2 BPSK	135	138	24.09				
100	PI/2 BPSK	270	0	24.14				
100	QPSK	1	1	24.26				
100	QPSK	1	137	24.11				
100	QPSK	1	271	24.12				
100	QPSK	135	0	24.01				
100	QPSK	135	69	24.20				
100	QPSK	135	138	24.13				
100	QPSK	270	0	24.18				
100	16QAM	1	1	24.22				
100	64QAM	1	1	22.77				
100	256QAM	1	1	20.60				
				633000				
				3495				
				3500.01				
90	QPSK	1	1	24.07			25.9	
Channel								
Frequency (MHz)								
				632688				
				3490.02				
80	QPSK	1	1	24.02			25.9	
Channel								
Frequency (MHz)								
				632334				
				3485.01				
70	QPSK	1	1	24.11			25.9	
Channel								
Frequency (MHz)								
				632000				
				3480				
60	QPSK	1	1	24.14			25.9	
Channel								
Frequency (MHz)								
				631688				
				3475.02				
50	QPSK	1	1	24.20			25.9	
Channel								
Frequency (MHz)								
				631334				
				3470.01				
40	QPSK	1	1	24.15			25.9	
Channel								
Frequency (MHz)								
				631000				
				3465				
30	QPSK	1	1	24.07			25.9	
Channel								
Frequency (MHz)								
				630688				
				3460.02				
20	QPSK	1	1	24.15			25.9	
Channel								
Frequency (MHz)								
				630500				
				3457.5				
15	QPSK	1	1	24.14			25.9	
Channel								
Frequency (MHz)								
				630334				
				3455.01				
10	QPSK	1	1	24.11			25.9	



### n66 Ant6 Default

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel	346000	349000	352000					
Frequency (MHz)	1730	1745	1760					
40	PI/2 BPSK	1	1	23.38	23.39	23.34	24.5	0.0
40	PI/2 BPSK	1	108	23.56	23.45	23.42		
40	PI/2 BPSK	1	214	23.48	23.64	23.57		
40	PI/2 BPSK	108	0	23.02	23.06	22.82	24.0	0.5
40	PI/2 BPSK	108	54	23.44	23.40	23.35	24.5	0.0
40	PI/2 BPSK	108	108	23.17	23.16	23.08	24.0	0.5
40	PI/2 BPSK	216	0	23.10	23.22	23.33		
40	QPSK	1	1	23.61	23.75	23.33	24.5	0.0
40	QPSK	1	108	23.43	23.52	23.30		
40	QPSK	1	214	23.66	23.66	23.49		
40	QPSK	108	0	22.44	22.56	22.57	23.5	1.0
40	QPSK	108	54	23.34	23.71	23.48	24.5	0.0
40	QPSK	108	108	22.49	22.61	22.61	23.5	1.0
40	QPSK	216	0	22.67	22.68	22.67		
40	16QAM	1	1	22.34	22.33	22.21	23.5	1.0
40	64QAM	1	1	20.82	20.86	20.95	22.0	2.5
40	256QAM	1	1	19.10	19.00	19.14	20.0	4.5
Channel	345000	349000	353000					
Frequency (MHz)	1725	1745	1765	Tune-up limit (dBm)	MPR (dB)			
30	QPSK	1	1	23.55	23.52	23.34	24.5	0.0
Channel	344500	349000	353500					
Frequency (MHz)	1722.5	1745	1767.5	Tune-up limit (dBm)	MPR (dB)			
25	QPSK	1	1	23.42	23.42	23.27	24.5	0.0
Channel	344000	349000	354000					
Frequency (MHz)	1720	1745	1770	Tune-up limit (dBm)	MPR (dB)			
20	QPSK	1	1	23.51	23.51	23.28	24.5	0.0
Channel	343500	349000	354500					
Frequency (MHz)	1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	1	23.58	23.52	23.44	24.5	0.0
Channel	343000	349000	355000					
Frequency (MHz)	1715	1745	1775	Tune-up limit (dBm)	MPR (dB)			
10	QPSK	1	1	23.59	23.39	23.22	24.5	0.0
Channel	342500	349000	355500					
Frequency (MHz)	1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)			
5	QPSK	1	1	23.59	23.43	23.28	24.5	0.0



PC3 Part270 n77 Ant13 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	662000	25.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.91	24.08	24.00		
100	PI/2 BPSK	1	137	23.94	24.03	23.93		
100	PI/2 BPSK	1	271	23.80	23.92	23.89		
100	PI/2 BPSK	135	0	23.80	23.99	24.00	25.7	0.0
100	PI/2 BPSK	135	69	23.86	24.00	23.87	25.7	0.0
100	PI/2 BPSK	135	138	23.90	24.03	24.05		
100	PI/2 BPSK	270	0	23.85	24.10	23.86	25.7	0.0
100	QPSK	1	1	24.00	24.15	24.05		
100	QPSK	1	137	24.02	24.02	23.88	25.7	0.0
100	QPSK	1	271	23.80	24.12	23.84		
100	QPSK	135	0	23.96	23.98	23.83	25.7	0.0
100	QPSK	135	69	23.87	24.08	23.85	25.7	0.0
100	QPSK	135	138	24.01	24.00	23.87		
100	QPSK	270	0	23.94	24.05	23.95	25.7	0.0
100	16QAM	1	1	23.88	24.10	24.06	25.7	0.0
100	64QAM	1	1	23.50	23.69	23.65	25.2	0.5
100	256QAM	1	1	21.52	21.66	21.59	23.2	2.5
90	QPSK	1	1	23.89	24.03	23.83	25.7	0.0
80	QPSK	1	1	23.92	24.02	23.90	25.7	0.0
70	QPSK	1	1	24.00	24.07	23.97	25.7	0.0
60	QPSK	1	1	23.95	23.93	23.89	25.7	0.0
50	QPSK	1	1	23.81	24.03	23.89	25.7	0.0
40	QPSK	1	1	23.82	24.08	23.89	25.7	0.0
30	QPSK	1	1	23.87	24.11	23.89	25.7	0.0
20	QPSK	1	1	23.84	23.94	23.85	25.7	0.0
15	QPSK	1	1	23.94	24.13	24.02	25.7	0.0
10	QPSK	1	1	23.84	23.92	23.90	25.7	0.0

PC2 Part270 n77 Ant13 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	662000	27.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	25.90	26.03	25.86		
100	PI/2 BPSK	1	137	25.76	25.82	25.96		
100	PI/2 BPSK	1	271	25.86	25.79	25.92		
100	PI/2 BPSK	135	0	25.67	25.94	25.83	27.0	0.5
100	PI/2 BPSK	135	69	25.87	25.74	25.82	27.5	0.0
100	PI/2 BPSK	135	138	25.75	25.99	25.79		
100	PI/2 BPSK	270	0	25.62	25.85	25.81	27.0	0.5
100	QPSK	1	1	25.88	26.10	25.83		
100	QPSK	1	137	25.84	26.07	25.88	27.5	0.0
100	QPSK	1	271	25.79	25.85	25.93		
100	QPSK	135	0	25.74	25.87	25.76	26.5	1.0
100	QPSK	135	69	25.89	25.99	25.93	27.5	0.0
100	QPSK	135	138	25.73	25.87	25.72		
100	QPSK	270	0	25.62	25.86	25.75	26.5	1.0
100	16QAM	1	1	25.67	25.86	25.67	26.5	1.0
100	64QAM	1	1	24.24	24.50	24.49	25.0	2.5
100	256QAM	1	1	21.17	21.12	21.13	23.0	4.5
90	QPSK	1	1	25.79	26.03	25.79	27.5	0.0
80	QPSK	1	1	25.78	25.97	25.78	27.5	0.0
70	QPSK	1	1	25.83	25.99	25.87	27.5	0.0
60	QPSK	1	1	25.85	25.91	25.81	27.5	0.0
50	QPSK	1	1	25.80	26.02	25.87	27.5	0.0
40	QPSK	1	1	25.81	25.96	25.87	27.5	0.0
30	QPSK	1	1	25.74	25.89	25.86	27.5	0.0
20	QPSK	1	1	25.72	25.91	25.70	27.5	0.0
15	QPSK	1	1	25.65	26.02	25.73	27.5	0.0
10	QPSK	1	1	25.65	25.83	26.00	27.5	0.0



PC3 Part27Q n77 Ant13 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	24.11	23.31	24.11	25.7	0.0	
100	PI/2 BPSK	1	137	23.97	23.97	23.97			
100	PI/2 BPSK	1	271	24.11	23.97	24.11	25.7	0.0	
100	PI/2 BPSK	155	0	24.11	24.03	24.11	25.7	0.0	
100	PI/2 BPSK	155	69	23.91	23.91	23.91			
100	PI/2 BPSK	155	138	23.92	23.92	23.92	25.7	0.0	
100	PI/2 BPSK	270	0	24.15	24.15	24.15			
100	QPSK	1	1	23.89	23.89	23.89	25.7	0.0	
100	QPSK	1	137	23.95	23.95	23.95			
100	QPSK	1	271	23.90	23.95	23.90	25.7	0.0	
100	QPSK	155	0	23.90	23.90	23.90	25.7	0.0	
100	QPSK	155	69	24.07	24.07	24.07	25.7	0.0	
100	QPSK	155	138	24.00	24.00	24.00	25.7	0.0	
100	QPSK	270	0	24.01	24.01	24.01			
100	16QAM	1	1	24.04	24.04	24.04	25.7	0.0	
100	64QAM	1	1	23.33	23.33	23.33	25.2	0.5	
100	256QAM	1	1	21.55	21.55	21.55	23.2	2.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	23.80	23.89	23.79	25.7	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	23.93	23.94	23.85	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	23.76	23.89	23.77	25.7	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	23.86	23.83	23.75	25.7	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	23.89	23.84	23.94	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	23.78	23.72	23.75	25.7	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	23.78	23.75	23.88	25.7	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	23.86	23.81	23.74	25.7	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	23.77	23.88	23.74	25.7	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	23.78	23.92	23.93	25.7	0.0	

PC2 Part27Q n77 Ant13 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	25.92	25.92	25.92	27.5	0.0	
100	PI/2 BPSK	1	137	25.96	25.96	25.96			
100	PI/2 BPSK	1	271	25.71	25.71	25.71	27.0	0.5	
100	PI/2 BPSK	135	0	25.83	25.83	25.83	27.5	0.0	
100	PI/2 BPSK	135	69	25.77	25.77	25.77	27.0	0.5	
100	PI/2 BPSK	135	138	25.72	25.72	25.72			
100	PI/2 BPSK	270	0	26.10	26.10	26.10	27.5	0.0	
100	QPSK	1	1	26.04	26.04	26.04	26.5	1.0	
100	QPSK	1	137	25.83	25.83	25.83	26.5	0.0	
100	QPSK	1	271	25.94	25.94	25.94	27.5	0.0	
100	QPSK	135	0	25.94	25.94	25.94	26.5	1.0	
100	QPSK	135	69	26.00	26.00	26.00	27.5	0.0	
100	QPSK	135	138	25.68	25.68	25.68	26.5	1.0	
100	QPSK	270	0	25.82	25.82	25.82			
100	16QAM	1	1	25.73	25.73	25.73	26.5	1.0	
100	64QAM	1	1	24.41	24.41	24.41	25.0	2.5	
100	256QAM	1	1	21.13	21.13	21.13	23.0	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	26.01	26.02	25.98	27.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	25.99	25.99	26.05	27.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	26.03	26.00	26.03	27.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	25.90	25.98	25.98	27.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	25.99	26.07	26.00	27.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	25.92	26.04	26.01	27.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	25.89	25.90	26.03	27.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	26.00	25.98	25.96	27.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	26.05	26.01	25.95	27.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	26.00	26.02	26.00	27.5	0.0	



Reduced Power for 5G NR for Other PA

PC3 Part270 n77 Ant3 Default									
Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel	850000	856000	662000						
Frequency (MHz)	3750	3840	3930						
100	PI/2 BPSK	1	1	23.88	24.07	23.79	25.7	0.0	
100	PI/2 BPSK	1	137	23.97	24.09	23.90			
100	PI/2 BPSK	1	271	23.83	24.06	23.96			
100	PI/2 BPSK	135	0	23.52	23.67	23.53	25.2	0.5	
100	PI/2 BPSK	135	69	23.86	24.08	23.92	25.7	0.0	
100	PI/2 BPSK	135	138	23.61	23.62	23.38	25.2	0.5	
100	PI/2 BPSK	270	0	23.56	23.69	23.36			
100	QPSK	1	1	24.03	24.14	23.97	25.7	0.0	
100	QPSK	1	137	23.98	23.95	23.94			
100	QPSK	1	271	23.91	24.12	23.84			
100	QPSK	135	0	22.94	23.03	23.03	24.7	1.0	
100	QPSK	135	69	24.05	24.10	23.97	25.7	0.0	
100	QPSK	135	138	23.05	23.05	23.03	24.7	1.0	
100	QPSK	270	0	23.01	23.08	22.92			
100	16QAM	1	1	23.04	23.15	22.93	24.7	1.0	
100	64QAM	1	1	21.53	21.58	21.56	23.2	2.5	
100	256QAM	1	1	19.45	19.46	19.48	21.2	4.5	
Channel	649668	656000	662334						
Frequency (MHz)	3745.02	3840	3935.01						
90	QPSK	1	1	23.96	23.96	23.83	25.7	0.0	
Channel	649334	656000	662668						
Frequency (MHz)	3740.01	3840	3940.02						
80	QPSK	1	1	23.95	24.11	23.81	25.7	0.0	
Channel	649000	656000	663000						
Frequency (MHz)	3735	3840	3945						
70	QPSK	1	1	24.02	24.06	23.91	25.7	0.0	
Channel	648668	656000	663334						
Frequency (MHz)	3730.02	3840	3950.01						
60	QPSK	1	1	24.01	23.95	23.97	25.7	0.0	
Channel	648334	656000	663668						
Frequency (MHz)	3725.01	3840	3955.02						
50	QPSK	1	1	24.05	24.06	23.79	25.7	0.0	
Channel	648000	656000	664000						
Frequency (MHz)	3720	3840	3960						
40	QPSK	1	1	23.89	24.11	23.82	25.7	0.0	
Channel	647668	656000	664334						
Frequency (MHz)	3715.02	3840	3965.01						
30	QPSK	1	1	23.93	23.89	23.82	25.7	0.0	
Channel	647334	656000	664668						
Frequency (MHz)	3710.01	3840	3970.02						
20	QPSK	1	1	23.99	23.96	23.99	25.7	0.0	
Channel	647168	656000	664834						
Frequency (MHz)	3707.52	3840	3972.51						
15	QPSK	1	1	23.96	23.92	23.75	25.7	0.0	
Channel	647000	656000	665000						
Frequency (MHz)	3705	3840	3975						
10	QPSK	1	1	24.02	24.01	23.89	25.7	0.0	



### PC3 Part27Q n77 Ant3 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					833334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.96		25.7	0.0
100	PI/2 BPSK	1	137		23.94			
100	PI/2 BPSK	1	271		23.88			
100	PI/2 BPSK	135	0		23.62		25.2	0.5
100	PI/2 BPSK	135	69		23.87		25.7	0.0
100	PI/2 BPSK	135	138		23.49		25.2	0.5
100	PI/2 BPSK	270	0		23.50			
100	QPSK	1	1		24.10			
100	QPSK	1	137		23.79		25.7	0.0
100	QPSK	1	271		23.93			
100	QPSK	135	0		22.90			
100	QPSK	135	69		24.06		25.7	0.0
100	QPSK	135	138		22.95		24.7	1.0
100	QPSK	270	0		23.02			
100	16QAM	1	1		23.16			
100	64QAM	1	1		21.58		23.2	2.5
100	256QAM	1	1		19.46		21.2	4.5
Channel				833000	833334	833668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.94	23.91	23.82	25.7	0.0
Channel				832668	833334	834000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.77	23.84	23.76	25.7	0.0
Channel				832334	833334	834334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	23.83	23.76	23.81	25.7	0.0
Channel				832000	833334	834668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.75	23.91	23.81	25.7	0.0
Channel				831668	833334	835000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.91	23.97	23.77	25.7	0.0
Channel				831334	833334	835334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	23.86	23.87	23.76	25.7	0.0
Channel				831000	833334	835668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	23.93	23.81	23.79	25.7	0.0
Channel				830668	833334	836000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.90	23.90	23.78	25.7	0.0
Channel				830500	833334	836168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	23.95	23.83	23.76	25.7	0.0
Channel				830334	833334	836334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	23.77	23.86	23.82	25.7	0.0



n66 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.46	16.71	16.33	17.5	0.0
40	PI/2 BPSK	1	108	16.48	16.53	16.27		
40	PI/2 BPSK	1	214	16.40	16.66	16.31		
40	PI/2 BPSK	108	0	16.50	16.65	16.39	17.5	0.0
40	PI/2 BPSK	108	54	16.56	16.72	16.21	17.5	0.0
40	PI/2 BPSK	108	108	16.46	16.53	16.38	17.5	0.0
40	PI/2 BPSK	216	0	16.40	16.66	16.37		
40	QPSK	1	1	16.58	16.75	16.38	17.5	0.0
40	QPSK	1	108	16.41	16.58	16.37		
40	QPSK	1	214	16.43	16.60	16.37		
40	QPSK	108	0	16.51	16.67	16.66	17.5	0.0
40	QPSK	108	54	16.43	16.73	16.36	17.5	0.0
40	QPSK	108	108	16.40	16.58	16.28	17.5	0.0
40	QPSK	216	0	16.43	16.63	16.37		
40	16QAM	1	1	16.44	16.51	16.27	17.5	0.0
40	64QAM	1	1	16.55	16.62	16.40	17.5	0.0
40	256QAM	1	1	16.51	16.60	16.39	17.5	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	16.42	16.73	16.38	17.5	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	16.40	16.66	16.59	17.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	16.47	16.71	16.31	17.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	16.40	16.57	16.37	17.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	16.55	16.61	16.27	17.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	16.51	16.72	16.23	17.5	0.0



### PC3 Part270 n77 Ant13 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.03	21.17	20.97		
100	PI/2 BPSK	1	137	20.96	21.15	20.77	22.7	0.0
100	PI/2 BPSK	1	271	20.99	21.11	20.93		
100	PI/2 BPSK	135	0	20.91	21.21	20.81	22.7	0.0
100	PI/2 BPSK	135	69	20.92	21.16	20.93	22.7	0.0
100	PI/2 BPSK	135	138	20.86	21.04	20.82		
100	PI/2 BPSK	270	0	20.88	21.11	20.96	22.7	0.0
100	QPSK	1	1	20.91	21.25	20.94		
100	QPSK	1	137	20.89	21.18	20.96	22.7	0.0
100	QPSK	1	271	20.86	21.25	20.92		
100	QPSK	135	0	20.94	21.18	20.95	22.7	0.0
100	QPSK	135	69	20.92	21.25	20.88	22.7	0.0
100	QPSK	135	138	20.88	21.18	20.82		
100	QPSK	270	0	21.07	21.23	20.75	22.7	0.0
100	16QAM	1	1	20.85	21.03	20.88	22.7	0.0
100	64QAM	1	1	20.93	21.25	20.83	22.7	0.0
100	256QAM	1	1	21.00	21.16	20.78	22.7	0.0
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.08	21.11	20.85	22.7	0.0
Channel				648334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.96	21.23	20.93	22.7	0.0
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.05	21.04	20.77	22.7	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.88	21.04	20.90	22.7	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.97	21.04	20.89	22.7	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.04	21.15	20.93	22.7	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.85	21.15	20.84	22.7	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.01	21.08	20.91	22.7	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.01	21.19	20.96	22.7	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.07	21.24	20.96	22.7	0.0



PC3 Part27Q n77 Ant13 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.14			
100	PI/2 BPSK	1	137		21.31		22.7	0.0
100	PI/2 BPSK	1	271		21.33			
100	PI/2 BPSK	135	0		21.25		22.7	0.0
100	PI/2 BPSK	135	69		21.23		22.7	0.0
100	PI/2 BPSK	135	138		21.25			
100	PI/2 BPSK	270	0		21.19		22.7	0.0
100	QPSK	1	1		21.35			
100	QPSK	1	137		21.19		22.7	0.0
100	QPSK	1	271		21.11			
100	QPSK	135	0		21.23		22.7	0.0
100	QPSK	135	69		21.30		22.7	0.0
100	QPSK	135	138		21.22			
100	QPSK	270	0		21.25		22.7	0.0
100	16QAM	1	1		21.20		22.7	0.0
100	64QAM	1	1		21.23		22.7	0.0
100	256QAM	1	1		21.34		22.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.24	21.28	21.15	22.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.15	21.24	21.01	22.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.13	21.24	21.09	22.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.03	21.19	21.05	22.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.09	21.26	21.01	22.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.02	21.14	21.10	22.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.16	21.23	21.09	22.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.19	21.26	21.07	22.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.62		
15	QPSK	1	1	21.11	21.12	21.04	22.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.11	21.18	20.99	22.7	0.0



Reduced Power for 5G NR for Other PA

PC2 Part270 n77 Ant3 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	24.26	24.32	24.15	25.9	0.0
100	PI/2 BPSK	1	137	24.18	24.25	24.21		
100	PI/2 BPSK	1	271	24.06	24.29	24.07		
100	PI/2 BPSK	135	0	24.14	24.12	24.18	25.9	0.0
100	PI/2 BPSK	135	69	24.05	24.19	24.29	25.9	0.0
100	PI/2 BPSK	135	138	24.07	24.08	24.06	25.9	0.0
100	PI/2 BPSK	270	0	24.25	24.31	24.09		
100	QPSK	1	1	24.07	24.40	24.20		
100	QPSK	1	137	24.15	24.16	24.14	25.9	0.0
100	QPSK	1	271	24.14	24.29	24.07		
100	QPSK	135	0	24.21	24.11	24.01		
100	QPSK	135	69	24.21	24.25	24.07	25.9	0.0
100	QPSK	135	138	24.07	24.01	24.07	25.9	0.0
100	QPSK	270	0	24.14	24.22	24.07		
100	16QAM	1	1	24.26	24.20	24.26		
100	64QAM	1	1	22.68	22.78	22.68	24.4	1.5
100	256QAM	1	1	20.63	20.60	20.58	22.4	3.5
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.14	24.22	24.07	25.9	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.09	24.20	24.07	25.9	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	24.18	24.27	24.07	25.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.05	24.11	24.07	25.9	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.06	24.14	24.07	25.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.11	24.22	24.07	25.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	24.05	24.26	24.09	25.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.06	24.16	24.04	25.9	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	24.23	24.17	24.04	25.9	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.20	24.29	24.07	25.9	0.0



### PC2 Part27Q n77 Ant3 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		24.20		26.0	0.0
100	PI/2 BPSK	1	137		24.09			
100	PI/2 BPSK	1	271		24.10			
100	PI/2 BPSK	135	0		24.04		26.0	0.0
100	PI/2 BPSK	135	69		24.14		26.0	0.0
100	PI/2 BPSK	135	138		24.09			
100	PI/2 BPSK	270	0		24.14		26.0	0.0
100	QPSK	1	1		24.26			
100	QPSK	1	137		24.11		26.0	0.0
100	QPSK	1	271		24.12			
100	QPSK	135	0		24.01			
100	QPSK	135	69		24.20		26.0	0.0
100	QPSK	135	138		24.13			
100	QPSK	270	0		24.18		26.0	0.0
100	16QAM	1	1		24.22		26.0	0.0
100	64QAM	1	1		22.77		24.5	1.5
100	256QAM	1	1		20.60		22.5	3.5
Channel				833000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	24.07	24.20	24.17	26.0	0.0
Channel				832668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	24.02	24.06	24.07	26.0	0.0
Channel				832334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	24.11	24.12	24.18	26.0	0.0
Channel				832000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	24.14	24.10	24.08	26.0	0.0
Channel				831668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	24.20	24.18	24.22	26.0	0.0
Channel				831334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	24.15	24.03	24.24	26.0	0.0
Channel				831000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	24.07	24.04	24.12	26.0	0.0
Channel				830668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	24.15	24.01	24.15	26.0	0.0
Channel				830500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	24.14	24.05	24.05	26.0	0.0
Channel				830334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	24.11	24.07	24.14	26.0	0.0



**PC2 Part270 n77 Ant13 DSI1**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.96	24.06	23.87		
100	PI/2 BPSK	1	137	23.98	23.99	24.12	25.7	0.0
100	PI/2 BPSK	1	271	23.93	23.91	23.73		
100	PI/2 BPSK	135	0	23.95	24.04	23.72	25.7	0.0
100	PI/2 BPSK	135	69	23.74	23.91	23.73	25.7	0.0
100	PI/2 BPSK	135	138	23.78	24.08	23.89		
100	PI/2 BPSK	270	0	23.96	23.99	23.84	25.7	0.0
100	QPSK	1	1	23.96	24.25	23.87		
100	QPSK	1	137	23.77	24.11	24.14	25.7	0.0
100	QPSK	1	271	23.80	24.12	23.77		
100	QPSK	135	0	23.91	23.95	23.84	25.7	0.0
100	QPSK	135	69	23.98	24.21	23.74	25.7	0.0
100	QPSK	135	138	23.94	23.93	23.83		
100	QPSK	270	0	23.97	24.18	23.77	25.7	0.0
100	16QAM	1	1	23.82	24.01	24.11	25.7	0.0
100	64QAM	1	1	23.81	23.92	23.83	25.7	0.0
100	256QAM	1	1	22.41	22.56	22.35	23.2	2.5
Channel				648668	658000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	23.74	23.90	23.78	25.7	0.0
Channel				648334	658000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	23.94	23.91	23.73	25.7	0.0
Channel				648000	658000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	23.95	24.04	24.12	25.7	0.0
Channel				648668	658000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	23.81	24.11	23.79	25.7	0.0
Channel				648334	658000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	23.79	23.91	23.89	25.7	0.0
Channel				648000	658000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	23.79	23.96	23.73	25.7	0.0
Channel				647668	658000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	23.79	23.94	23.80	25.7	0.0
Channel				647334	658000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	23.84	23.93	23.83	25.7	0.0
Channel				647168	658000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	23.81	23.93	23.73	25.7	0.0
Channel				647000	658000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	23.85	24.13	23.79	25.7	0.0



PC2 Part27Q n77 Ant13 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		25.7		
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		24.00				
100	PI/2 BPSK	1	137		23.85		25.7	0.0	
100	PI/2 BPSK	1	271		23.92				
100	PI/2 BPSK	135	0		23.89		25.7	0.0	
100	PI/2 BPSK	135	69		23.80		25.7	0.0	
100	PI/2 BPSK	135	138		23.89				
100	PI/2 BPSK	270	0		23.97		25.7	0.0	
100	QPSK	1	1		24.22				
100	QPSK	1	137		23.85		25.7	0.0	
100	QPSK	1	271		23.97				
100	QPSK	135	0		23.76		25.7	0.0	
100	QPSK	135	69		24.18		25.7	0.0	
100	QPSK	135	138		23.74				
100	QPSK	270	0		24.01		25.7	0.0	
100	16QAM	1	1		23.93		25.7	0.0	
100	64QAM	1	1		23.85		25.7	0.0	
100	256QAM	1	1		22.52		23.2	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		24.09	24.10	24.10	25.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		24.07	24.07	24.10	25.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		24.17	24.04	24.09	25.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		24.05	24.18	24.07	25.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		23.98	24.09	24.05	25.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		23.98	24.05	24.05	25.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		24.01	24.04	23.95	25.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		24.00	24.03	24.13	25.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		24.09	24.06	23.97	25.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		24.17	24.18	24.05	25.7	0.0

n66 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.37	20.68	20.26	21.5	0.0
40	PI/2 BPSK	1	108	20.41	20.53	20.30		
40	PI/2 BPSK	1	214	20.38	20.64	20.24		
40	PI/2 BPSK	108	0	20.36	20.69	20.56	21.5	0.0
40	PI/2 BPSK	108	54	20.55	20.60	20.35	21.5	0.0
40	PI/2 BPSK	108	108	20.42	20.55	20.36	21.5	0.0
40	PI/2 BPSK	216	0	20.36	20.66	20.24		
40	QPSK	1	1	20.54	20.74	20.36	21.5	0.0
40	QPSK	1	108	20.43	20.52	20.31		
40	QPSK	1	214	20.51	20.67	20.31		
40	QPSK	108	0	20.45	20.55	20.34	21.5	0.0
40	QPSK	108	54	20.45	20.61	20.52	21.5	0.0
40	QPSK	108	108	20.49	20.58	20.57	21.5	0.0
40	QPSK	216	0	20.38	20.59	20.54		
40	16QAM	1	1	20.48	20.71	20.25	21.5	0.0
40	64QAM	1	1	20.35	20.90	20.21	21.5	0.0
40	256QAM	1	1	18.83	18.74	18.73	20.0	1.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	20.47	20.72	20.35	21.5	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	20.34	20.68	20.38	21.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	20.38	20.51	20.48	21.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	20.34	20.57	20.23	21.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	20.33	20.56	20.67	21.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	20.52	20.59	20.23	21.5	0.0





### n38

BW [MHz]	Modulation	RB 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	PI/2 BPSK	1	1	517002	519000	520998		
40	PI/2 BPSK	1	53	518004	519000	519996		
40	PI/2 BPSK	1	104	2590.02	2595	2599.98		
40	PI/2 BPSK	50	0				0.0	0.0
40	PI/2 BPSK	50	28				-0.5	0.5
40	PI/2 BPSK	50	56				0.0	0.0
40	PI/2 BPSK	100	0				-0.5	0.5
40	QPSK	1	1					
40	QPSK	1	53				0.0	0.0
40	QPSK	1	104					
40	QPSK	50	0				-1.0	1.0
40	QPSK	50	28				0.0	0.0
40	QPSK	50	56				-1.0	1.0
40	QPSK	100	0					
40	16QAM	1	1				-1.0	1.0
40	64QAM	1	1				-2.5	2.5
40	256QAM	1	1				-4.5	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
				2585.01	2595	2604.99	0.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
				2580	2595	2610	0.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
				2577.51	2595	2612.49	0.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
				2575.02	2595	2614.98	0.0	0.0

### n41

BW [MHz]	Modulation	RB 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	509202	518598	528000		
100	PI/2 BPSK	1	137	2546.01	2592.99	2640		
100	PI/2 BPSK	1	271					
100	PI/2 BPSK	135	0				-0.5	0.5
100	PI/2 BPSK	135	69				0.0	0.0
100	PI/2 BPSK	135	138					
100	PI/2 BPSK	270	0				-0.5	0.5
100	QPSK	1	1					
100	QPSK	1	137				0.0	0.0
100	QPSK	1	271					
100	QPSK	135	0				-1.0	1.0
100	QPSK	135	69				0.0	0.0
100	QPSK	135	138					
100	QPSK	270	0				-1.0	1.0
100	16QAM	1	1				-1.0	1.0
100	64QAM	1	1				-2.5	2.5
100	256QAM	1	1				-4.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
				2541	2592.99	2644.98	0.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
				2536.02	2592.99	2649.99	0.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
				2531.01	2592.99	2655	0.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
				2526	2592.99	2659.98	0.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
				2521.02	2592.99	2664.99	0.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
				2516.01	2592.99	2670	0.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
				2511	2592.99	2674.98	0.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
				2506.02	2592.99	2679.99	0.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
				2503.5	2592.99	2682.48	0.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
				2501.01	2592.99	2685	0.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1				0.0	0.0

BW [MHz]	Modulation	RB Size
Channel		
Frequency (MHz)		
100	PI/2 BPSK	1
100	PI/2 BPSK	1
100	PI/2 BPSK	1
100	PI/2 BPSK	135
100	PI/2 BPSK	135
100	PI/2 BPSK	135
100	PI/2 BPSK	270
100	QPSK	1
100	QPSK	1
100	QPSK	1
100	QPSK	135
100	QPSK	135
100	QPSK	135
100	QPSK	270
100	16QAM	1
100	64QAM	1
100	256QAM	1
Channel		
Frequency (MHz)		
90	QPSK	1
Channel		
Frequency (MHz)		
80	QPSK	1
Channel		
Frequency (MHz)		
70	QPSK	1
Channel		
Frequency (MHz)		
60	QPSK	1
Channel		
Frequency (MHz)		
50	QPSK	1
Channel		
Frequency (MHz)		
40	QPSK	1
Channel		
Frequency (MHz)		
30	QPSK	1
Channel		
Frequency (MHz)		
20	QPSK	1
Channel		
Frequency (MHz)		
15	QPSK	1
Channel		
Frequency (MHz)		
10	QPSK	1



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RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	59202 2546.01	518598 2592.99	528000 2640			
1				0.0	0.0	
137						
271						
0				-0.5	0.5	
69				0.0	0.0	
138						
0				-0.5	0.5	
1						
137				0.0	0.0	
271						
0				-1.0	1.0	
69				0.0	0.0	
138						
0				-1.0	1.0	
1				-2.5	2.5	
1				-4.5	4.5	
	508200 2541	518598 2592.99	528996 2644.98	Tune-up limit (dBm)	MPR (dB)	
1				0.0	0.0	
	507204 2636.02	518598 2592.99	529998 2649.99	Tune-up limit (dBm)	MPR (dB)	
1				0.0	0.0	
	506202 2631.01	518598 2592.99	531000 2655	Tune-up limit (dBm)	MPR (dB)	
1				0.0	0.0	
	505200 2526	518598 2592.99	531996 2659.98	Tune-up limit (dBm)	MPR (dB)	
1				0.0	0.0	
	504204 2621.02	518598 2592.99	532998 2664.99	Tune-up limit (dBm)	MPR (dB)	
1				0.0	0.0	
	503202 2516.01	518598 2592.99	534000 2670	Tune-up limit (dBm)	MPR (dB)	
1				0.0	0.0	
	502200 2511	518598 2592.99	534996 2674.98	Tune-up limit (dBm)	MPR (dB)	
1				0.0	0.0	
	501204 2506.02	518598 2592.99	535998 2679.99	Tune-up limit (dBm)	MPR (dB)	
1				0.0	0.0	
	500700 2503.5	518598 2592.99	536496 2682.48	Tune-up limit (dBm)	MPR (dB)	
1				0.0	0.0	
	500202 2501.01	518598 2592.99	537000 2685	Tune-up limit (dBm)	MPR (dB)	
1				0.0	0.0	

n41_ISED		PC3 Part270 n77 Ant13 DSI3								
BW [MHz]	Modulation	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel		Channel				650000	650000	662000		
Frequency (MHz)		Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	100	PI/2 BPSK	1	1	18.91	19.00	18.76		
100	PI/2 BPSK	100	PI/2 BPSK	1	137	18.72	19.02	18.86	20.7	0.0
100	PI/2 BPSK	100	PI/2 BPSK	1	271	18.54	19.03	18.83		
100	PI/2 BPSK	100	PI/2 BPSK	135	0	18.71	19.24	18.90		
100	PI/2 BPSK	100	PI/2 BPSK	135	69	18.80	19.07	18.75	20.7	0.0
100	PI/2 BPSK	100	PI/2 BPSK	135	138	18.95	19.24	18.90		
100	PI/2 BPSK	100	PI/2 BPSK	270	0	18.85	19.28	18.81	20.7	0.0
100	QPSK	100	QPSK	1	1	18.95	19.33	18.75		
100	QPSK	100	QPSK	1	137	18.85	19.30	18.99	20.7	0.0
100	QPSK	100	QPSK	1	271	18.85	19.08	18.72		
100	QPSK	100	QPSK	135	0	19.07	19.19	18.86	20.7	0.0
100	QPSK	100	QPSK	135	69	18.93	19.26	18.76	20.7	0.0
100	QPSK	100	QPSK	135	138	18.81	19.05	18.77		
100	QPSK	100	QPSK	270	0	19.03	19.15	18.74	20.7	0.0
100	16QAM	100	16QAM	1	1	18.80	19.19	18.72	20.7	0.0
100	64QAM	100	64QAM	1	1	18.88	19.11	18.72	20.7	0.0
100	256QAM	100	256QAM	1	1	18.95	19.19	18.91	20.7	0.0
Channel		Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	90	QPSK	1	1	18.83	18.97	18.99	20.7	0.0
Channel		Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	80	QPSK	1	1	18.95	19.10	18.72	20.7	0.0
Channel		Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		Frequency (MHz)				3735	3840	3945		
70	QPSK	70	QPSK	1	1	18.83	19.18	18.76	20.7	0.0
Channel		Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	60	QPSK	1	1	18.89	19.12	18.76	20.7	0.0
Channel		Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	50	QPSK	1	1	18.95	19.07	18.72	20.7	0.0
Channel		Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		Frequency (MHz)				3720	3840	3960		
40	QPSK	40	QPSK	1	1	18.87	18.99	19.08	20.7	0.0
Channel		Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	30	QPSK	1	1	18.87	19.08	19.07	20.7	0.0
Channel		Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	20	QPSK	1	1	18.98	19.14	18.72	20.7	0.0
Channel		Channel				647000	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	15	QPSK	1	1	18.90	19.09	18.76	20.7	0.0
Channel		Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		Frequency (MHz)				3705	3840	3975		
10	QPSK	10	QPSK	1	1	18.83	19.01	18.75	20.7	0.0

PC3 Part27Q n77 Ant13 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.03		20.7	0.0	
100	PI/2 BPSK	1	137		19.02				
100	PI/2 BPSK	1	271		18.87				
100	PI/2 BPSK	135	0		19.04		20.7	0.0	
100	PI/2 BPSK	135	69		18.93		20.7	0.0	
100	PI/2 BPSK	135	138		18.88		20.7	0.0	
100	PI/2 BPSK	270	0		18.95				
100	QPSK	1	1		19.31				
100	QPSK	1	137		19.04		20.7	0.0	
100	QPSK	1	271		19.02				
100	QPSK	135	0		19.19				
100	QPSK	135	69		19.22		20.7	0.0	
100	QPSK	135	138		19.02		20.7	0.0	
100	QPSK	270	0		19.14		20.7	0.0	
100	16QAM	1	1		19.29		20.7	0.0	
100	64QAM	1	1		18.91		20.7	0.0	
100	256QAM	1	1		19.10		20.7	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		18.98	19.04	19.02	20.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		19.19	19.08	19.03	20.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		19.02	19.08	19.13	20.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		19.09	19.13	19.12	20.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		18.98	18.97	19.03	20.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		19.05	18.98	19.97	20.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		19.20	19.03	19.16	20.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		19.15	19.00	19.06	20.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		19.11	19.13	19.13	20.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		18.98	19.08	19.19	20.7	0.0



PC3 Part270 n77 Ant3 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	PI/2 BPSK	1	1	18.82	19.10	18.89	20.7	0.0	
100	PI/2 BPSK	1	137	18.75	18.96	18.89			
100	PI/2 BPSK	1	271	18.77	18.87	18.85			
100	PI/2 BPSK	135	0	18.74	18.90	18.90			
100	PI/2 BPSK	135	69	18.83	18.78	18.82			
100	PI/2 BPSK	135	138	18.85	18.07	18.97			
100	PI/2 BPSK	270	0	19.04	18.98	18.99			
100	QPSK	1	1	18.88	19.12	18.98			
100	QPSK	1	137	18.96	18.84	18.81			
100	QPSK	1	271	18.85	18.76	18.88			
100	QPSK	135	0	18.83	18.97	18.91	20.7	0.0	
100	QPSK	135	69	18.92	19.04	18.91	20.7	0.0	
100	QPSK	135	138	18.79	18.76	18.82	20.7	0.0	
100	QPSK	270	0	18.88	18.99	18.77	20.7	0.0	
100	16QAM	1	1	18.83	18.79	18.82	20.7	0.0	
100	64QAM	1	1	18.80	18.89	18.79	20.7	0.0	
100	256QAM	1	1	18.80	18.80	18.82	20.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.89	18.82	18.80	20.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.81	18.88	18.95	20.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.90	18.98	18.78	20.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.79	19.00	18.91	20.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.01	18.96	18.87	20.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.93	18.89	18.78	20.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.94	18.81	18.74	20.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.93	18.78	18.91	20.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.87	18.79	18.93	20.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.99	18.77	18.78	20.7	0.0	

PC2 Part270 n77 Ant3 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	PI/2 BPSK	1	1	21.97	21.97	21.80	23.7	0.0	
100	PI/2 BPSK	1	137	21.86	22.02	21.84			
100	PI/2 BPSK	1	271	21.74	21.91	21.77			
100	PI/2 BPSK	135	0	21.78	21.78	21.76			
100	PI/2 BPSK	135	69	21.74	21.78	21.88			
100	PI/2 BPSK	135	138	21.79	21.74	21.79			
100	PI/2 BPSK	270	0	21.99	21.97	21.74			
100	QPSK	1	1	21.87	22.03	21.88			
100	QPSK	1	137	21.75	21.90	21.85			
100	QPSK	1	271	21.95	22.01	21.85			
100	QPSK	135	0	21.90	21.88	21.74	23.7	0.0	
100	QPSK	135	69	21.95	21.96	21.88	23.7	0.0	
100	QPSK	135	138	21.89	21.74	21.80	23.7	0.0	
100	QPSK	270	0	21.72	21.90	21.84	23.7	0.0	
100	16QAM	1	1	21.99	21.80	21.87	23.7	0.0	
100	64QAM	1	1	21.95	21.94	21.91	23.7	0.0	
100	256QAM	1	1	22.02	21.92	21.84	23.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.75	21.81	21.88	23.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.67	21.74	21.84	23.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.82	21.84	21.74	23.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.74	21.79	21.75	23.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.80	21.78	21.74	23.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.75	21.72	21.72	23.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.78	21.78	21.74	23.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.72	21.75	21.78	23.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.75	21.75	21.79	23.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.74	21.72	21.71	23.7	0.0	



PC3 Part27Q n77 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	18.81	18.81	18.81	20.7	0.0	
100	PI/2 BPSK	1	137	18.95	18.95	18.95			
100	PI/2 BPSK	1	271	18.80	18.80	18.80			
100	PI/2 BPSK	135	0	18.80	18.80	18.80			
100	PI/2 BPSK	135	69	18.72	18.72	18.72			
100	PI/2 BPSK	135	138	18.91	18.91	18.91			
100	PI/2 BPSK	270	0	18.98	18.98	18.98			
100	QPSK	1	1	19.03	19.03	19.03			
100	QPSK	1	137	18.86	18.86	18.86			
100	QPSK	1	271	18.78	18.78	18.78			
100	QPSK	135	0	18.91	18.91	18.91			
100	QPSK	135	69	18.85	18.85	18.85			
100	QPSK	135	138	18.78	18.78	18.78			
100	QPSK	270	0	18.83	18.83	18.83			
100	16QAM	1	1	18.71	18.71	18.71	20.7	0.0	
100	64QAM	1	1	18.78	18.78	18.78	20.7	0.0	
100	256QAM	1	1	18.73	18.73	18.73	20.7	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.79	18.87	18.87	20.7	0.0	
Channel				632688	633334	634000			
Frequency (MHz)				3499.02	3500.01	3510			
80	QPSK	1	1	18.87	18.85	18.85	20.7	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.94	18.87	18.77	20.7	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.87	18.88	18.89	20.7	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.81	18.80	18.83	20.7	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.80	18.84	18.87	20.7	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	18.87	18.83	18.91	20.7	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.97	18.88	18.93	20.7	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.86	18.79	18.87	20.7	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.79	18.92	18.80	20.7	0.0	

PC2 Part27Q n77 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	22.01	22.01	22.01	23.7	0.0	
100	PI/2 BPSK	1	137	22.06	22.06	22.06			
100	PI/2 BPSK	1	271	21.91	21.91	21.91			
100	PI/2 BPSK	135	0	21.88	21.88	21.88			
100	PI/2 BPSK	135	69	21.95	21.95	21.95			
100	PI/2 BPSK	135	138	21.71	21.71	21.71			
100	PI/2 BPSK	270	0	22.01	22.01	22.01			
100	QPSK	1	1	22.11	22.11	22.11			
100	QPSK	1	137	21.78	21.78	21.78			
100	QPSK	1	271	22.07	22.07	22.07			
100	QPSK	135	0	21.73	21.73	21.73			
100	QPSK	135	69	21.91	21.91	21.91			
100	QPSK	135	138	21.77	21.77	21.77			
100	QPSK	270	0	21.96	21.96	21.96			
100	16QAM	1	1	21.80	21.80	21.80	23.7	0.0	
100	64QAM	1	1	21.88	21.88	21.88	23.7	0.0	
100	256QAM	1	1	21.97	21.97	21.97	23.7	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	21.98	21.97	21.96	23.7	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	21.98	21.93	21.98	23.7	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	21.88	21.94	21.93	23.7	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	21.80	21.84	21.94	23.7	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	21.84	21.84	21.87	23.7	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	21.85	22.00	21.88	23.7	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	21.81	21.90	21.99	23.7	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.88	22.06	21.95	23.7	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	21.85	21.92	21.99	23.7	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	21.78	21.84	21.97	23.7	0.0	



**PC2 Part270 n77 Ant13 DSI3**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3940	3930		
100	PI/2 BPSK	1	1	21.83	22.08	21.78		
100	PI/2 BPSK	1	137	21.79	22.07	21.71	23.7	0.0
100	PI/2 BPSK	1	271	21.91	22.04	21.81		
100	PI/2 BPSK	135	0	21.77	22.13	21.85	23.7	0.0
100	PI/2 BPSK	135	69	21.83	22.02	21.85	23.7	0.0
100	PI/2 BPSK	135	138	21.87	22.16	21.89	23.7	0.0
100	PI/2 BPSK	270	0	21.77	22.18	21.81	23.7	0.0
100	QPSK	1	1	21.82	22.25	21.82		
100	QPSK	1	137	21.87	22.20	21.94	23.7	0.0
100	QPSK	1	271	21.87	22.19	21.75		
100	QPSK	135	0	21.98	22.20	21.88	23.7	0.0
100	QPSK	135	69	21.96	22.22	21.79	23.7	0.0
100	QPSK	135	138	21.78	22.00	21.84	23.7	0.0
100	QPSK	270	0	21.82	22.19	21.84	23.7	0.0
100	16QAM	1	1	21.77	22.20	21.73	23.7	0.0
100	64QAM	1	1	21.79	22.14	21.76	23.7	0.0
100	256QAM	1	1	21.92	22.09	21.93	23.7	0.0
Channel				649668	659000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.93	22.08	21.90	23.7	0.0
Channel				648334	659000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.93	22.00	21.76	23.7	0.0
Channel				649000	659000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.97	22.02	21.72	23.7	0.0
Channel				648668	659000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.77	22.08	21.88	23.7	0.0
Channel				648334	659000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.92	22.03	21.78	23.7	0.0
Channel				649000	659000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.89	22.06	21.89	23.7	0.0
Channel				647668	659000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.78	22.08	21.87	23.7	0.0
Channel				647334	659000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.86	22.22	21.84	23.7	0.0
Channel				647168	659000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.95	22.03	21.80	23.7	0.0
Channel				647000	659000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.89	22.18	21.73	23.7	0.0



PC2 Part27Q n77 Ant13 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.03	22.01	22.01	23.7	0.0
100	PI/2 BPSK	1	137	22.01	22.01	22.01	23.7	0.0
100	PI/2 BPSK	1	271	21.84	22.01	22.01	23.7	0.0
100	PI/2 BPSK	135	0	21.99	22.00	22.00	23.7	0.0
100	PI/2 BPSK	135	69	21.99	22.00	22.00	23.7	0.0
100	PI/2 BPSK	135	138	22.00	22.00	22.00	23.7	0.0
100	PI/2 BPSK	270	0	22.07	22.00	22.00	23.7	0.0
100	QPSK	1	1	22.20	22.00	22.00	23.7	0.0
100	QPSK	1	137	22.11	22.00	22.00	23.7	0.0
100	QPSK	1	271	22.10	22.00	22.00	23.7	0.0
100	QPSK	135	0	22.15	22.00	22.00	23.7	0.0
100	QPSK	135	69	22.16	22.00	22.00	23.7	0.0
100	QPSK	135	138	22.01	22.00	22.00	23.7	0.0
100	QPSK	270	0	22.06	22.00	22.00	23.7	0.0
100	16QAM	1	1	22.18	22.00	22.00	23.7	0.0
100	64QAM	1	1	21.98	22.00	22.00	23.7	0.0
100	256QAM	1	1	22.07	22.00	22.00	23.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	23.7	0.0
90	QPSK	1	1	22.08	22.04	22.02	23.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	23.7	0.0
80	QPSK	1	1	22.07	21.91	22.00	23.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	23.7	0.0
70	QPSK	1	1	21.87	21.94	21.92	23.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	23.7	0.0
60	QPSK	1	1	21.90	21.94	21.89	23.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	23.7	0.0
50	QPSK	1	1	22.01	21.96	22.09	23.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	23.7	0.0
40	QPSK	1	1	21.93	22.04	21.94	23.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	23.7	0.0
30	QPSK	1	1	21.90	22.03	21.89	23.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	23.7	0.0
20	QPSK	1	1	21.92	21.86	22.04	23.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	23.7	0.0
15	QPSK	1	1	21.98	21.90	21.99	23.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	23.7	0.0
10	QPSK	1	1	21.94	22.02	21.97	23.7	0.0



n66 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.37	20.68	20.26	21.5	0.0
40	PI/2 BPSK	1	108	20.41	20.53	20.30		
40	PI/2 BPSK	1	214	20.38	20.64	20.24		
40	PI/2 BPSK	108	0	20.36	20.69	20.56	21.5	0.0
40	PI/2 BPSK	108	54	20.55	20.60	20.35	21.5	0.0
40	PI/2 BPSK	108	108	20.42	20.55	20.36	21.5	0.0
40	PI/2 BPSK	216	0	20.36	20.66	20.24		
40	QPSK	1	1	20.54	20.74	20.36	21.5	0.0
40	QPSK	1	108	20.43	20.52	20.31		
40	QPSK	1	214	20.51	20.67	20.31		
40	QPSK	108	0	20.45	20.55	20.34	21.5	0.0
40	QPSK	108	54	20.45	20.61	20.52	21.5	0.0
40	QPSK	108	108	20.49	20.58	20.57	21.5	0.0
40	QPSK	216	0	20.38	20.59	20.54		
40	16QAM	1	1	20.48	20.71	20.25	21.5	0.0
40	64QAM	1	1	20.35	20.60	20.21	21.5	0.0
40	256QAM	1	1	18.83	18.74	18.73	20.0	1.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	20.47	20.72	20.35	21.5	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	20.34	20.68	20.38	21.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	20.38	20.51	20.48	21.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	20.34	20.57	20.23	21.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	20.33	20.56	20.67	21.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	20.52	20.59	20.23	21.5	0.0





**PC3 Part270 n77 Ant13 DSI4**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.91	19.00	18.76		
100	PI/2 BPSK	1	137	18.72	19.02	18.88	20.7	0.0
100	PI/2 BPSK	1	271	18.94	19.03	18.83		
100	PI/2 BPSK	135	0	18.71	19.24	18.80	20.7	0.0
100	PI/2 BPSK	135	69	18.80	19.07	18.75	20.7	0.0
100	PI/2 BPSK	135	138	18.95	19.24	18.90	20.7	0.0
100	PI/2 BPSK	270	0	18.85	19.28	18.81	20.7	0.0
100	QPSK	1	1	18.95	19.33	18.75		
100	QPSK	1	137	18.85	19.30	18.99	20.7	0.0
100	QPSK	1	271	18.85	19.08	18.72		
100	QPSK	135	0	19.07	19.19	18.98	20.7	0.0
100	QPSK	135	69	18.93	19.29	18.76	20.7	0.0
100	QPSK	135	138	18.81	19.05	18.77	20.7	0.0
100	QPSK	270	0	19.03	19.15	18.74	20.7	0.0
100	16QAM	1	1	18.80	19.19	18.72	20.7	0.0
100	64QAM	1	1	18.88	19.11	18.72	20.7	0.0
100	256QAM	1	1	18.95	19.19	18.91	20.7	0.0
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.83	18.97	18.98	20.7	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.95	19.10	18.72	20.7	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.83	19.18	18.76	20.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.89	19.12	18.76	20.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.95	19.07	18.72	20.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.87	18.99	19.08	20.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.87	19.08	19.07	20.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.96	19.14	18.72	20.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.90	19.09	18.76	20.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.83	19.01	18.75	20.7	0.0

PC3 Part27Q n77 Ant13 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.03				
100	PI/2 BPSK	1	137		19.02		20.7	0.0	
100	PI/2 BPSK	1	271		18.87				
100	PI/2 BPSK	135	0		19.04		20.7	0.0	
100	PI/2 BPSK	135	69		18.93		20.7	0.0	
100	PI/2 BPSK	135	138		18.88				
100	PI/2 BPSK	270	0		18.95		20.7	0.0	
100	QPSK	1	1		19.31				
100	QPSK	1	137		19.04		20.7	0.0	
100	QPSK	1	271		19.02				
100	QPSK	135	0		19.19		20.7	0.0	
100	QPSK	135	69		19.22		20.7	0.0	
100	QPSK	135	138		19.02				
100	QPSK	270	0		19.14		20.7	0.0	
100	16QAM	1	1		19.29		20.7	0.0	
100	64QAM	1	1		18.91		20.7	0.0	
100	256QAM	1	1		19.10		20.7	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		18.98	19.04	19.02	20.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		19.19	19.08	19.03	20.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		19.02	19.08	19.13	20.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		19.09	19.13	19.12	20.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		18.98	18.97	19.03	20.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		19.05	18.98	19.07	20.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		19.20	19.03	19.16	20.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		19.15	19.00	19.06	20.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		19.11	19.13	19.13	20.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		18.98	19.08	19.19	20.7	0.0



PC3 Part270 n77 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.75	20.72	20.75		
100	PI/2 BPSK	1	137	20.72	20.72	20.72	22.7	0.0
100	PI/2 BPSK	1	271	20.71	20.71	20.71		
100	PI/2 BPSK	135	0	20.73	20.72	20.73	22.7	0.0
100	PI/2 BPSK	135	69	20.73	20.77	20.72	22.7	0.0
100	PI/2 BPSK	135	138	20.71	20.73	20.72	22.7	0.0
100	PI/2 BPSK	270	0	20.73	20.71	20.73		
100	QPSK	1	1	20.73	20.76	20.73		
100	QPSK	1	137	20.71	20.76	20.73	22.7	0.0
100	QPSK	1	271	20.73	20.73	20.72		
100	QPSK	135	0	20.73	20.75	20.74	22.7	0.0
100	QPSK	135	69	20.72	20.76	20.72	22.7	0.0
100	QPSK	135	138	20.71	20.71	20.73	22.7	0.0
100	QPSK	270	0	20.71	20.74	20.72		
100	16QAM	1	1	20.72	20.72	20.73	22.7	0.0
100	64QAM	1	1	20.71	20.75	20.71	22.7	0.0
100	256QAM	1	1	20.70	20.63	20.43	21.7	1.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.75	20.73	20.73	22.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.74	20.77	20.75	22.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.74	20.74	20.73	22.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.70	20.71	20.73	22.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.73	20.71	20.74	22.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.71	20.73	20.72	22.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.73	20.72	20.74	22.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.72	20.72	20.71	22.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	1	20.73	20.73	20.74	22.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.73	20.73	20.72	22.7	0.0

PC2 Part270 n77 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.86	23.92	23.75		
100	PI/2 BPSK	1	137	23.78	23.85	23.81	25.7	0.0
100	PI/2 BPSK	1	271	23.76	23.89	23.77		
100	PI/2 BPSK	135	0	23.74	23.72	23.78	25.7	0.0
100	PI/2 BPSK	135	69	23.75	23.79	23.89	25.7	0.0
100	PI/2 BPSK	135	138	23.77	23.78	23.76	25.7	0.0
100	PI/2 BPSK	270	0	23.85	23.91	23.79		
100	QPSK	1	1	23.77	24.00	23.80		
100	QPSK	1	137	23.75	23.76	23.74	25.7	0.0
100	QPSK	1	271	23.74	23.89	23.77		
100	QPSK	135	0	23.81	23.71	23.71	25.7	0.0
100	QPSK	135	69	23.81	23.85	23.77	25.7	0.0
100	QPSK	135	138	23.77	23.71	23.77	25.7	0.0
100	QPSK	270	0	23.74	23.82	23.77		
100	16QAM	1	1	23.86	23.80	23.86	25.7	0.0
100	64QAM	1	1	22.78	22.78	22.78	24.7	1.0
100	256QAM	1	1	20.73	20.72	20.78	22.7	3.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.73	23.71	23.74	25.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.74	23.72	23.76	25.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.74	23.80	23.74	25.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.71	23.78	23.76	25.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.76	23.83	23.74	25.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.75	23.75	23.71	25.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.73	23.78	23.76	25.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.79	23.78	23.73	25.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.71	23.73	23.73	25.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.75	23.74	23.71	25.7	0.0



PC3 Part27Q n77 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	20.71	20.71	20.71	22.7	0.0	
100	PI/2 BPSK	1	137	20.72	20.72	20.72			
100	PI/2 BPSK	1	271	20.75	20.75	20.75			
100	PI/2 BPSK	135	0	20.71	20.71	20.71			
100	PI/2 BPSK	135	69	20.72	20.72	20.72			
100	PI/2 BPSK	135	138	20.71	20.71	20.71			
100	PI/2 BPSK	270	0	20.71	20.71	20.71			
100	QPSK	1	1	20.76	20.76	20.76			
100	QPSK	1	137	20.72	20.72	20.72			
100	QPSK	1	271	20.73	20.73	20.73			
100	QPSK	135	0	20.71	20.71	20.71	22.7	0.0	
100	QPSK	135	69	20.72	20.72	20.72	22.7	0.0	
100	QPSK	135	138	20.71	20.71	20.71	22.7	0.0	
100	QPSK	270	0	20.72	20.72	20.72	22.7	0.0	
100	16QAM	1	1	20.71	20.71	20.71	22.7	0.0	
100	64QAM	1	1	20.73	20.73	20.73	22.7	0.0	
100	256QAM	1	1	20.56	20.56	20.56	21.7	1.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	20.71	20.71	20.71	22.7	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	20.72	20.75	20.72	22.7	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	20.73	20.71	20.72	22.7	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	20.73	20.72	20.73	22.7	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	20.71	20.72	20.73	22.7	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	20.72	20.73	20.73	22.7	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.72	20.72	20.72	22.7	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.73	20.74	20.72	22.7	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	20.72	20.73	20.71	22.7	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.73	20.72	20.74	22.7	0.0	

PC2 Part27Q n77 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	23.94	23.94	23.94	25.7	0.0	
100	PI/2 BPSK	1	137	23.85	23.85	23.85			
100	PI/2 BPSK	1	271	23.80	23.80	23.80			
100	PI/2 BPSK	135	0	23.86	23.86	23.86			
100	PI/2 BPSK	135	69	23.94	23.94	23.94			
100	PI/2 BPSK	135	138	23.84	23.84	23.84			
100	PI/2 BPSK	270	0	23.92	23.92	23.92			
100	QPSK	1	1	24.02	24.02	24.02			
100	QPSK	1	137	23.86	23.86	23.86			
100	QPSK	1	271	23.91	23.91	23.91			
100	QPSK	135	0	23.84	23.84	23.84	25.7	0.0	
100	QPSK	135	69	23.97	23.97	23.97	25.7	0.0	
100	QPSK	135	138	23.76	23.76	23.76	25.7	0.0	
100	QPSK	270	0	23.90	23.90	23.90	25.7	0.0	
100	16QAM	1	1	23.74	23.74	23.74	25.7	0.0	
100	64QAM	1	1	23.27	23.27	23.27	24.7	1.0	
100	256QAM	1	1	21.10	21.10	21.10	22.7	3.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.74	23.92	23.75	25.7	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.72	23.71	23.86	25.7	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	23.78	23.78	23.78	25.7	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	23.79	23.81	23.81	25.7	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	23.81	23.77	23.74	25.7	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	23.81	23.89	23.76	25.7	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.72	23.73	23.79	25.7	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.81	23.89	23.75	25.7	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.81	23.75	23.79	25.7	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.73	23.91	23.76	25.7	0.0	



**PC2 Part270 n77 Ant13 DSI4**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3940	3930		
100	PI/2 BPSK	1	1	21.83	22.08	21.78		
100	PI/2 BPSK	1	137	21.79	22.07	21.71	23.7	0.0
100	PI/2 BPSK	1	271	21.91	22.04	21.81		
100	PI/2 BPSK	135	0	21.77	22.13	21.85	23.7	0.0
100	PI/2 BPSK	135	69	21.83	22.02	21.85	23.7	0.0
100	PI/2 BPSK	135	138	21.87	22.16	21.89	23.7	0.0
100	PI/2 BPSK	270	0	21.77	22.18	21.81	23.7	0.0
100	QPSK	1	1	21.82	22.25	21.82		
100	QPSK	1	137	21.87	22.20	21.94	23.7	0.0
100	QPSK	1	271	21.87	22.19	21.75		
100	QPSK	135	0	21.98	22.20	21.88	23.7	0.0
100	QPSK	135	69	21.96	22.22	21.79	23.7	0.0
100	QPSK	135	138	21.78	22.00	21.84	23.7	0.0
100	QPSK	270	0	21.82	22.19	21.84	23.7	0.0
100	16QAM	1	1	21.77	22.20	21.73	23.7	0.0
100	64QAM	1	1	21.79	22.14	21.76	23.7	0.0
100	256QAM	1	1	21.92	22.09	21.93	23.7	0.0
Channel				649668	659000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.93	22.08	21.90	23.7	0.0
Channel				648334	659000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.93	22.00	21.76	23.7	0.0
Channel				649000	659000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.97	22.02	21.72	23.7	0.0
Channel				648668	659000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.77	22.08	21.88	23.7	0.0
Channel				648334	659000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.92	22.03	21.78	23.7	0.0
Channel				649000	659000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.89	22.06	21.89	23.7	0.0
Channel				647668	659000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.78	22.08	21.87	23.7	0.0
Channel				647334	659000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.86	22.22	21.84	23.7	0.0
Channel				647168	659000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.95	22.03	21.80	23.7	0.0
Channel				647000	659000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.89	22.18	21.73	23.7	0.0



PC2 Part27Q n77 Ant13 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.03	22.01		23.7	0.0
100	PI/2 BPSK	1	137	22.01	22.01			
100	PI/2 BPSK	1	271	21.84	21.84			
100	PI/2 BPSK	135	0	21.99	21.99		23.7	0.0
100	PI/2 BPSK	135	69	21.99	21.99		23.7	0.0
100	PI/2 BPSK	135	138	22.00	22.00			
100	PI/2 BPSK	270	0	22.07	22.07		23.7	0.0
100	QPSK	1	1	22.20	22.20			
100	QPSK	1	137	22.11	22.11		23.7	0.0
100	QPSK	1	271	22.10	22.10			
100	QPSK	135	0	22.15	22.15		23.7	0.0
100	QPSK	135	69	22.16	22.16		23.7	0.0
100	QPSK	135	138	22.01	22.01			
100	QPSK	270	0	22.06	22.06		23.7	0.0
100	16QAM	1	1	22.18	22.18		23.7	0.0
100	64QAM	1	1	21.98	21.98		23.7	0.0
100	256QAM	1	1	22.07	22.07		23.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.08	22.04	22.02	23.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.07	21.91	22.00	23.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.87	21.94	21.92	23.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.90	21.94	21.89	23.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.01	21.96	22.09	23.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.93	22.04	21.94	23.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.90	22.03	21.89	23.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.92	21.86	22.04	23.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.98	21.90	21.99	23.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.94	22.02	21.97	23.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.46	16.71	16.33		
40	PI/2 BPSK	1	108	16.48	16.53	16.27	17.5	0.0
40	PI/2 BPSK	1	214	16.40	16.66	16.31		
40	PI/2 BPSK	108	0	16.50	16.65	16.39	17.5	0.0
40	PI/2 BPSK	108	54	16.56	16.72	16.21	17.5	0.0
40	PI/2 BPSK	108	108	16.46	16.53	16.38	17.5	0.0
40	PI/2 BPSK	216	0	16.40	16.66	16.37		
40	QPSK	1	1	16.58	16.75	16.38		
40	QPSK	1	108	16.41	16.58	16.37	17.5	0.0
40	QPSK	1	214	16.43	16.60	16.37		
40	QPSK	108	0	16.51	16.67	16.66	17.5	0.0
40	QPSK	108	54	16.43	16.73	16.36	17.5	0.0
40	QPSK	108	108	16.40	16.58	16.28	17.5	0.0
40	QPSK	216	0	16.43	16.63	16.37		
40	16QAM	1	1	16.44	16.51	16.27	17.5	0.0
40	64QAM	1	1	16.55	16.62	16.40	17.5	0.0
40	256QAM	1	1	16.51	16.60	16.39	17.5	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.42	16.73	16.38	17.5	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	16.40	16.66	16.59	17.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.47	16.71	16.31	17.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.40	16.57	16.37	17.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.55	16.61	16.27	17.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.51	16.72	16.23	17.5	0.0



**PC3 Part270 n77 Ant13 DSI5**

BW (MHz)	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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.04	15.05	14.93		
100	PI/2 BPSK	1	137	14.78	14.93	14.78	16.7	0.0
100	PI/2 BPSK	1	271	14.90	15.25	14.82		
100	PI/2 BPSK	135	0	14.78	15.23	14.71	16.7	0.0
100	PI/2 BPSK	135	69	15.03	15.00	14.84	16.7	0.0
100	PI/2 BPSK	135	138	14.96	15.33	14.84		
100	PI/2 BPSK	270	0	14.78	15.09	14.72	16.7	0.0
100	QPSK	1	1	14.86	15.35	14.82		
100	QPSK	1	137	14.86	15.20	15.08	16.7	0.0
100	QPSK	1	271	14.91	15.06	14.86		
100	QPSK	135	0	14.94	15.00	14.90	16.7	0.0
100	QPSK	135	69	15.00	15.28	14.97	16.7	0.0
100	QPSK	135	138	14.81	15.17	14.87		
100	QPSK	270	0	14.92	15.20	14.76	16.7	0.0
100	16QAM	1	1	14.87	15.20	14.74	16.7	0.0
100	64QAM	1	1	14.78	14.97	14.78	16.7	0.0
100	256QAM	1	1	14.84	15.25	14.80	16.7	0.0
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	14.84	15.21	14.78	16.7	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	14.83	15.15	14.72	16.7	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	14.74	15.26	14.78	16.7	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	14.83	15.27	14.81	16.7	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	14.79	15.18	14.71	16.7	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.78	15.22	14.84	16.7	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	14.78	15.33	14.79	16.7	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	14.79	15.27	14.78	16.7	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	14.72	15.25	14.78	16.7	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	14.72	15.12	14.78	16.7	0.0





### PC3 Part27Q n77 Ant13 DSI5

BW [MHz]	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		14.99		16.7	0.0	
100	PI/2 BPSK	1	137		14.79				
100	PI/2 BPSK	1	271		15.18				
100	PI/2 BPSK	135	0		15.12				
100	PI/2 BPSK	135	69		14.88				
100	PI/2 BPSK	135	138		15.24				
100	PI/2 BPSK	270	0		14.92				
100	QPSK	1	1		15.27				
100	QPSK	1	137		14.98				
100	QPSK	1	271		14.85				
100	QPSK	135	0		14.97		16.7	0.0	
100	QPSK	135	69		15.21		16.7	0.0	
100	QPSK	135	138		15.10		16.7	0.0	
100	QPSK	270	0		15.15		16.7	0.0	
100	16QAM	1	1		15.00		16.7	0.0	
100	64QAM	1	1		14.82		16.7	0.0	
100	256QAM	1	1		15.25		16.7	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		15.17	15.18	15.15	16.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		15.10	15.14	15.11	16.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		15.03	15.08	15.08	16.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		15.13	15.13	15.14	16.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		15.01	15.04	15.19	16.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		14.98	15.07	15.13	16.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		15.10	15.08	15.11	16.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		15.17	15.18	15.13	16.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		15.15	15.09	15.19	16.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		15.00	15.13	15.03	16.7	0.0



PC3 Part270 n77 Ant3 DSI5									
BW [MHz]	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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.38	17.75	17.47			
100	PI/2 BPSK	1	137	17.39	17.62	17.53	19.2	0.0	
100	PI/2 BPSK	1	271	17.55	17.57	17.51			
100	PI/2 BPSK	135	0	17.59	17.67	17.61	19.2	0.0	
100	PI/2 BPSK	135	69	17.56	17.51	17.45	19.2	0.0	
100	PI/2 BPSK	135	138	17.42	17.65	17.52			
100	PI/2 BPSK	270	0	17.49	17.72	17.61	19.2	0.0	
100	QPSK	1	1	17.47	17.76	17.54			
100	QPSK	1	137	17.60	17.55	17.64	19.2	0.0	
100	QPSK	1	271	17.50	17.74	17.64			
100	QPSK	135	0	17.58	17.54	17.63	19.2	0.0	
100	QPSK	135	69	17.37	17.73	17.56	19.2	0.0	
100	QPSK	135	138	17.52	17.71	17.63			
100	QPSK	270	0	17.44	17.72	17.52	19.2	0.0	
100	16QAM	1	1	17.51	17.56	17.49	19.2	0.0	
100	64QAM	1	1	17.42	17.54	17.60	19.2	0.0	
100	256QAM	1	1	17.59	17.73	17.40	19.2	0.0	
Channel				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	19.2	0.0	
90	QPSK	1	1	17.45	17.53	17.59			
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	19.2	0.0	
80	QPSK	1	1	17.50	17.64	17.45			
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	19.2	0.0	
70	QPSK	1	1	17.57	17.62	17.65			
Channel				648688	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	19.2	0.0	
60	QPSK	1	1	17.52	17.66	17.57			
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	19.2	0.0	
50	QPSK	1	1	17.55	17.63	17.47			
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	19.2	0.0	
40	QPSK	1	1	17.49	17.74	17.48			
Channel				647688	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	19.2	0.0	
30	QPSK	1	1	17.54	17.62	17.54			
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	19.2	0.0	
20	QPSK	1	1	17.39	17.59	17.51			
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51	19.2	0.0	
15	QPSK	1	1	17.38	17.54	17.69			
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	19.2	0.0	
10	QPSK	1	1	17.53	17.74	17.63			

PC2 Part270 n77 Ant3 DSI5									
BW [MHz]	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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.77	21.00	20.79			
100	PI/2 BPSK	1	137	20.82	21.00	20.87	22.2	0.0	
100	PI/2 BPSK	1	271	20.73	21.08	20.82			
100	PI/2 BPSK	135	0	20.68	21.08	20.82	22.2	0.0	
100	PI/2 BPSK	135	69	20.74	21.01	20.84	22.2	0.0	
100	PI/2 BPSK	135	138	20.82	21.12	20.89			
100	PI/2 BPSK	270	0	20.69	20.95	20.79	22.2	0.0	
100	QPSK	1	1	20.82	21.17	20.84			
100	QPSK	1	137	20.67	21.10	20.82	22.2	0.0	
100	QPSK	1	271	20.69	21.13	20.93			
100	QPSK	135	0	20.81	20.98	20.89	22.2	0.0	
100	QPSK	135	69	20.78	21.15	20.78	22.2	0.0	
100	QPSK	135	138	20.81	21.11	20.85			
100	QPSK	270	0	20.67	21.14	20.90	22.2	0.0	
100	16QAM	1	1	20.69	21.02	20.80	22.2	0.0	
100	64QAM	1	1	20.68	20.98	20.86	22.2	0.0	
100	256QAM	1	1	20.78	21.16	20.85	22.2	0.0	
Channel				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	19.2	0.0	
90	QPSK	1	1	20.82	21.14	20.90			
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	19.2	0.0	
80	QPSK	1	1	20.72	21.18	20.78			
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	19.2	0.0	
70	QPSK	1	1	20.74	21.15	20.88			
Channel				648688	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	19.2	0.0	
60	QPSK	1	1	20.82	21.05	20.87			
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	19.2	0.0	
50	QPSK	1	1	20.69	21.18	20.93			
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	19.2	0.0	
40	QPSK	1	1	20.75	21.15	20.93			
Channel				647688	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	19.2	0.0	
30	QPSK	1	1	20.68	21.02	20.93			
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	19.2	0.0	
20	QPSK	1	1	20.81	20.95	20.77			
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	19.2	0.0	
15	QPSK	1	1	20.69	21.12	20.80			
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	19.2	0.0	
10	QPSK	1	1	20.77	20.96	20.89			



PC3 Part27Q n77 Ant3 DSI5									
BW [MHz]	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	17.42			19.2	0.0	
100	PI/2 BPSK	1	137	17.49					
100	PI/2 BPSK	1	271	17.40					
100	PI/2 BPSK	135	0	17.34			19.2	0.0	
100	PI/2 BPSK	135	69	17.44			19.2	0.0	
100	PI/2 BPSK	135	138	17.44					
100	PI/2 BPSK	270	0	17.55			19.2	0.0	
100	QPSK	1	1	17.59					
100	QPSK	1	137	17.57			19.2	0.0	
100	QPSK	1	271	17.46					
100	QPSK	135	0	17.56			19.2	0.0	
100	QPSK	135	69	17.57			19.2	0.0	
100	QPSK	135	138	17.49			19.2	0.0	
100	QPSK	270	0	17.50					
100	16QAM	1	1	17.42			19.2	0.0	
100	64QAM	1	1	17.57			19.2	0.0	
100	256QAM	1	1	17.29			19.2	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	17.31	17.33	17.48	19.2	0.0	
Channel				632688	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.25	17.43	17.33	19.2	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	17.24	17.35	17.42	19.2	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	17.41	17.22	17.43	19.2	0.0	
Channel				631688	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	17.35	17.42	17.33	19.2	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	17.21	17.33	17.49	19.2	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.35	17.21	17.43	19.2	0.0	
Channel				630688	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.24	17.24	17.34	19.2	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.23	17.24	17.29	19.2	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.31	17.32	17.44	19.2	0.0	

PC2 Part27Q n77 Ant3 DSI5									
BW [MHz]	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	20.87			22.2	0.0	
100	PI/2 BPSK	1	137	20.82					
100	PI/2 BPSK	1	271	20.96					
100	PI/2 BPSK	135	0	20.84			22.2	0.0	
100	PI/2 BPSK	135	69	21.00			22.2	0.0	
100	PI/2 BPSK	135	138	20.93					
100	PI/2 BPSK	270	0	20.88			22.2	0.0	
100	QPSK	1	1	21.04					
100	QPSK	1	137	20.90			22.2	0.0	
100	QPSK	1	271	20.88					
100	QPSK	135	0	20.95			22.2	0.0	
100	QPSK	135	69	21.00			22.2	0.0	
100	QPSK	135	138	20.96					
100	QPSK	270	0	20.98			22.2	0.0	
100	16QAM	1	1	20.82			22.2	0.0	
100	64QAM	1	1	20.87			22.2	0.0	
100	256QAM	1	1	20.92			22.2	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	20.73	20.77	20.92	22.2	0.0	
Channel				632688	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	20.88	20.87	20.85	22.2	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	20.66	20.98	20.90	22.2	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	20.88	20.74	20.90	22.2	0.0	
Channel				631688	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	20.73	20.98	20.81	22.2	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	20.88	20.87	20.73	22.2	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.73	20.82	20.92	22.2	0.0	
Channel				630688	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.73	20.98	20.93	22.2	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	20.73	20.78	20.84	22.2	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.73	20.89	20.73	22.2	0.0	



**PC2 Part270 n77 Ant13 DSI5**

BW [MHz]	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	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.95	18.02	17.84		
100	PI/2 BPSK	1	137	17.71	17.97	17.78	19.7	0.0
100	PI/2 BPSK	1	271	17.82	18.14	17.72		
100	PI/2 BPSK	135	0	17.89	18.14	17.82	19.7	0.0
100	PI/2 BPSK	135	69	17.85	17.93	17.86	19.7	0.0
100	PI/2 BPSK	135	138	17.86	18.24	17.90	19.7	0.0
100	PI/2 BPSK	270	0	18.12	18.16	17.73		
100	QPSK	1	1	17.80	18.26	17.74		
100	QPSK	1	137	17.87	18.17	18.03	19.7	0.0
100	QPSK	1	271	17.93	18.13	17.74		
100	QPSK	135	0	18.02	18.11	17.89	19.7	0.0
100	QPSK	135	69	18.05	18.23	17.87	19.7	0.0
100	QPSK	135	138	17.88	18.09	17.91	19.7	0.0
100	QPSK	270	0	17.86	18.18	17.79		
100	16QAM	1	1	17.85	18.15	17.82	19.7	0.0
100	64QAM	1	1	17.71	18.02	18.20	19.7	0.0
100	256QAM	1	1	17.98	18.15	17.83	19.7	0.0
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.92	17.98	18.20	19.7	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.73	18.08	18.19	19.7	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.84	18.09	17.71	19.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.86	18.10	18.15	19.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.77	18.09	17.76	19.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.90	18.07	18.17	19.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.82	18.11	18.20	19.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.73	17.98	18.21	19.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.83	18.07	18.15	19.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.89	18.15	18.18	19.7	0.0

PC2 Part27Q n77 Ant13 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.00				
100	PI/2 BPSK	1	137		17.80		19.7	0.0	
100	PI/2 BPSK	1	271		17.94				
100	PI/2 BPSK	135	0		17.96		19.7	0.0	
100	PI/2 BPSK	135	69		17.85		19.7	0.0	
100	PI/2 BPSK	135	138		18.14				
100	PI/2 BPSK	270	0		18.02		19.7	0.0	
100	QPSK	1	1		18.22				
100	QPSK	1	137		18.13		19.7	0.0	
100	QPSK	1	271		17.97				
100	QPSK	135	0		18.09		19.7	0.0	
100	QPSK	135	69		18.21		19.7	0.0	
100	QPSK	135	138		18.04				
100	QPSK	270	0		18.09		19.7	0.0	
100	16QAM	1	1		18.04		19.7	0.0	
100	64QAM	1	1		18.03		19.7	0.0	
100	256QAM	1	1		18.11		19.7	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		17.87	18.05	17.87	19.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		17.98	18.06	17.87	19.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		17.88	17.88	17.87	19.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		17.95	17.91	18.04	19.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		17.88	17.91	18.04	19.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		18.08	17.93	18.05	19.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		17.93	17.98	18.07	19.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		17.87	17.97	18.04	19.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		17.91	17.94	17.86	19.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		17.93	17.95	17.97	19.7	0.0



Conducted Power for WLAN/Bluetooth

Table with columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, and various test scenarios (Head Standalone, Head Simultaneous, Head DBS, etc.). Includes data for 802.11b, 802.11g, and 802.11n MCS0-MCS9.

Table with columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, and various test scenarios (Head Standalone, Head Simultaneous, Head DBS, Head XBS, etc.). Includes data for 802.11a, 802.11n, and 802.11ac MCS0-MCS9.

Table with columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, and various test scenarios (Head Standalone, Head Simultaneous, Head DBS, Head XBS, etc.). Includes data for 802.11a, 802.11n, and 802.11ac MCS0-MCS9.





**BT 2.0** **Airt5** **full power** **Simultaneous**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	<b>16.21</b>	13.31	13.06	7.56	4.10	4.17
	CH 39	2441	15.95	12.68	12.71	<b>8.02</b>	5.13	5.20
	CH 78	2480	16.09	12.82	12.84	7.54	4.24	4.19
Tune-up Limit			17.50	14.00	13.50	9.00	6.00	6.00

**BT siso** **Airt5** **full power**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	<b>16.07</b>	12.97	13.07	17.50
	CH 39	2441	15.60	12.63	12.91	17.00
	CH 78	2480	14.75	11.95	12.13	16.00

**Airt5** **Simultaneous**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.26	4.14	4.08
	CH 39	2441	7.26	5.00	4.88
	CH 78	2480	<b>7.68</b>	5.03	4.96
Tune-up Limit			9.50	6.00	6.00

**BLE\_1M** **full power**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.26
	CH 19	2440	6.68
	CH 39	2480	5.72
Tune-up Limit			7.00

**BLE\_1M** **full power**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.29
	CH 19	2440	6.68
	CH 39	2480	7.05
Tune-up Limit			7.50

**BLE\_2M** **full power**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.52
	CH 19	2440	6.88
	CH 39	2480	6.01
Tune-up Limit			7.00

**BLE\_2M** **full power**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	5.78
	CH 19	2440	6.35
	CH 39	2480	6.89
Tune-up Limit			8.00

**BT 2.0** **Airt5** **full power** **Simultaneous**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	<b>11.94</b>	8.16	8.20	6.62	4.06	4.10
	CH 39	2441	11.83	8.72	8.73	<b>7.28</b>	4.86	4.78
	CH 78	2480	11.32	7.88	7.88	6.61	3.94	3.90
Tune-up Limit			13.00	9.00	9.00	8.00	5.50	5.50

**BT TX BF** **Airt5** **full power** **Simultaneous**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.64	7.08	6.91	6.67	1.26	1.27
	CH 39	2441	<b>12.00</b>	7.67	7.71	7.78	2.59	2.61
	CH 78	2480	11.83	8.37	8.32	<b>7.97</b>	3.43	3.47
Tune-up Limit			13.00	9.00	9.00	8.00	4.00	4.00

**Airt5+1M** **full power** **Simultaneous**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.81	10.66	10.61	9.66	5.89	5.92
	CH 39	2441	<b>14.93</b>	11.23	11.26	<b>10.55</b>	6.88	6.84
	CH 78	2480	14.60	11.14	11.11	10.36	6.70	6.70
Tune-up Limit			16.00	12.00	12.00	11.50	7.50	7.50