



Full&Default Power Mode

GSM850 A-60 Default								
	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	198	196	201		196	194	201	
TX Channel	198.2	196.4	201.9	196	194.2	194.4	201.9	196
Frequency (MHz)	32.98	33.00	33.03	34.00	23.98	24.06	24.03	25.00
GSM 1 Tx Max	32.91	33.01	32.95	34.00	23.91	24.01	23.95	25.00
GPRS 2 Tx Max	29.80	29.98	29.85	31.00	23.80	23.98	23.85	25.00
GPRS 3 Tx Max	27.81	27.80	27.69	29.00	21.55	21.80	21.64	24.84
GPRS 4 Tx Max	25.63	26.01	25.58	28.00	23.63	23.69	23.59	25.00
EDGE 1 Tx Max	25.09	26.10	25.96	27.00	16.99	17.13	16.96	18.00
EDGE 2 Tx Max	22.97	23.90	22.93	24.00	16.97	17.09	16.93	18.00
EDGE 3 Tx Max	21.58	21.63	21.62	23.00	17.32	17.37	17.38	18.74
EDGE 4 Tx Max	20.01	20.03	19.95	21.00	17.61	17.66	16.96	18.00

WCDMA V A60 Default					
	Burst		WCDMA V		Tune-up Limit (dBm)
	4192	4168	4293	4268	
TX Channel	4207	4207	4407	4408	
Frequency (MHz)	321.4	322.4	341.0	341.0	
ISPP Full SS	AMR 12.2kps	24.15	24.20	24.10	25.00
ISPP Full SS	RMK 12.2kps	24.22	24.25	24.18	25.00
ISPP Rel 5	HSPA Subclass 1	23.14	23.24	23.05	24.00
ISPP Rel 5	HSPA Subclass 2	23.15	23.10	23.21	24.00
ISPP Rel 5	HSPA Subclass 3	22.76	22.61	22.77	23.00
ISPP Rel 5	HSPA Subclass 4	22.71	22.64	22.76	23.00
ISPP Rel 5	DC-HSDPA Subclass 1	22.20	22.20	22.44	24.00
ISPP Rel 5	DC-HSDPA Subclass 2	23.20	23.10	23.00	24.00
ISPP Rel 5	DC-HSDPA Subclass 3	22.78	22.87	22.69	23.00
ISPP Rel 5	DC-HSDPA Subclass 4	22.72	22.71	22.68	23.00
ISPP Rel 5	HSPA Subclass 1	22.29	23.00	22.18	24.00
ISPP Rel 5	HSPA Subclass 2	21.94	21.91	21.90	22.00
ISPP Rel 5	HSPA Subclass 3	22.15	22.10	22.18	23.00
ISPP Rel 5	HSPA Subclass 4	21.11	21.00	21.25	22.00
ISPP Rel 5	HSPA Subclass 5	23.10	23.00	23.22	24.00
ISPP Rel 7	HSPA (14.4kps) Subclass 1	20.69	20.72	20.60	21.00







GSM900 Art Default						
Cell	Ref. Average Power (dBm)			Frame Average Power (dBm)		
TX Channel	192	192	192	192	192	192
Frequency (MHz)	852.4	854.4	856.4	852.2	854.4	856.8
GSM 1 Tx Chan	33.90	33.32	33.12	34.90	33.60	34.33
GPRS 1 Tx Chan	34.50	33.12	33.04	34.90	33.50	34.24
GPRS 2 Tx Chan	30.81	30.18	30.12	31.90	24.01	24.18
GPRS 3 Tx Chan	28.19	28.23	28.18	30.10	23.97	23.90
GPRS 4 Tx Chan	28.50	28.57	28.54	28.90	23.93	23.94
EDGE 1 Tx Chan	29.71	29.77	29.74	29.50	17.71	17.78
EDGE 2 Tx Chan	23.78	23.80	23.83	23.80	17.78	17.88
EDGE 3 Tx Chan	21.78	21.88	21.84	21.70	17.80	17.88
EDGE 4 Tx Chan	20.25	20.32	20.31	20.50	17.68	17.81

GSM1900 Art Default						
Cell	Ref. Average Power (dBm)			Frame Average Power (dBm)		
TX Channel	1952	1952	1952	1952	1952	1952
Frequency (MHz)	1952.2	1953	1953.8	1952.2	1953	1953.8
GSM 1 Tx Chan	30.23	30.31	30.27	31.80	21.23	21.31
GPRS 1 Tx Chan	26.96	27.03	26.92	28.50	20.98	21.03
GPRS 2 Tx Chan	24.24	24.32	24.31	24.70	20.98	21.08
GPRS 3 Tx Chan	24.24	24.32	24.31	24.70	20.98	21.08
GPRS 4 Tx Chan	24.24	24.32	24.31	24.70	20.98	21.08
EDGE 1 Tx Chan	25.11	25.20	25.21	25.50	18.11	18.20
EDGE 2 Tx Chan	20.20	20.38	20.25	21.70	18.03	18.20
EDGE 3 Tx Chan	19.00	19.08	19.23	20.50	18.00	18.23

Cell	WCDMA II Art Default				WCDMA IV Art Default				WCDMA V Art Default			
	9502	9502	9502	9502	1512	1512	1512	1512	4102	4102	4102	4102
TX Channel	9502	9502	9502	9502	1512	1512	1512	1512	4102	4102	4102	4102
Frequency (MHz)	1952.4	1952	1952	1952.4	1724	1724	1724	1724	4302.4	4302	4302	4302.4
WCDMA II Rel 99	23.90	23.95	23.90	25.30	23.74	23.85	23.78	25.10	23.01	23.07	23.00	25.60
WCDMA II Rel 99	23.90	24.00	24.01	25.30	23.84	23.91	23.88	25.10	24.01	24.05	24.01	25.60
WCDMA II Rel 99	22.91	22.99	23.00	24.30	22.81	22.88	22.90	24.10	22.02	22.08	22.07	24.80
WCDMA II Rel 99	22.90	23.11	23.14	24.30	22.98	23.06	23.00	24.10	22.10	22.11	22.03	24.80
WCDMA II Rel 99	22.91	22.95	22.96	24.30	22.95	23.01	23.01	24.10	22.03	22.03	22.03	24.80
WCDMA II Rel 99	22.40	22.52	22.60	24.30	22.31	22.44	22.47	24.10	22.47	22.47	22.41	24.80
WCDMA II Rel 99	22.85	23.02	23.04	24.30	22.82	22.92	22.89	24.10	23.00	23.00	22.98	24.80
WCDMA II Rel 99	22.88	23.02	23.10	24.30	22.80	22.96	23.01	24.10	23.10	23.09	22.98	24.80
WCDMA II Rel 99	22.48	22.54	22.55	24.30	22.41	22.45	22.45	24.10	22.41	22.41	22.40	24.80
WCDMA II Rel 99	22.41	22.50	22.61	24.30	22.37	22.47	22.51	24.10	22.47	22.47	22.40	24.80
WCDMA II Rel 99	22.03	22.07	22.12	24.30	22.00	22.06	22.06	24.10	22.04	22.04	22.01	24.80
WCDMA II Rel 99	21.10	21.12	21.08	24.30	20.85	20.95	21.00	24.10	21.11	20.99	20.78	22.60
WCDMA II Rel 99	21.88	22.13	22.21	24.30	21.95	21.87	21.88	24.10	22.20	21.98	21.88	22.60
WCDMA II Rel 99	20.88	21.00	21.04	24.30	20.92	20.89	21.11	24.10	21.02	21.01	20.77	22.60
WCDMA II Rel 99	22.93	23.04	23.08	24.30	23.00	22.96	22.87	24.10	23.15	23.02	22.96	24.80
WCDMA II Rel 99	20.44	20.58	20.53	21.80	20.41	20.51	20.43	21.80	20.71	20.58	20.54	22.10







Band 38 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Int (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.22	24.24	24.22			
20	QPSK	1	49	24.19	24.23	24.18	25	0	
20	QPSK	1	99	24.16	24.20	24.14			
20	QPSK	50	0	23.21	23.24	23.13			
20	QPSK	50	24	23.12	23.20	23.07	24	1	
20	QPSK	50	49	23.12	23.17	23.06			
20	QPSK	100	0	23.04	23.18	23.10			
20	16QAM	1	0	23.14	23.24	23.20			
20	16QAM	1	49	23.12	23.17	23.08	24	1	
20	16QAM	1	99	23.11	23.19	23.11			
20	16QAM	50	0	22.11	22.21	22.07			
20	16QAM	50	24	22.02	22.13	21.94	23	2	
20	16QAM	50	49	22.02	22.07	22.00			
20	16QAM	100	0	22.08	22.17	22.08			
20	16QAM	1	49	22.07	22.14	22.10	23	2	
20	16QAM	1	99	22.05	22.10	22.00			
20	16QAM	50	0	21.18	21.22	21.11			
20	16QAM	50	24	21.09	21.19	21.12	22	3	
20	16QAM	50	50	21.03	21.13	21.06			
20	16QAM	100	0	21.11	21.20	21.13			
20	256QAM	1	0	19.27	19.34	19.28			
20	256QAM	1	49	19.20	19.29	19.15	20	5	
20	256QAM	1	99	19.12	19.20	19.06			
20	256QAM	50	0	19.22	19.30	19.16			
20	256QAM	50	24	19.05	19.16	19.02	20	5	
20	256QAM	50	50	19.15	19.23	19.11			
20	256QAM	100	0	19.15	19.24	19.13			

Band 41 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Int (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.37	24.39	24.38			
20	QPSK	1	49	24.24	24.26	24.20	25	2	0
20	QPSK	1	99	24.15	24.21	24.11			
20	QPSK	50	0	23.26	23.35	23.26			
20	QPSK	50	24	23.29	23.26	23.35	24	1	1
20	QPSK	50	49	23.18	23.28	23.19			
20	QPSK	100	0	23.26	23.28	23.33			
20	16QAM	1	0	23.38	23.44	23.50			
20	16QAM	1	49	23.33	23.29	23.42	24	1	1
20	16QAM	1	99	23.35	23.28	23.38			
20	16QAM	50	0	22.07	22.24	22.07			
20	16QAM	50	24	22.10	22.14	22.10	23	2	2
20	16QAM	50	49	22.18	22.25	22.30			
20	16QAM	100	0	22.21	22.29	22.34			
20	16QAM	1	49	22.40	22.34	22.47	23	2	2
20	16QAM	1	99	22.33	22.28	22.36			
20	16QAM	50	0	21.27	21.26	21.36			
20	16QAM	50	24	21.24	21.23	21.29	22	3	3
20	16QAM	50	50	21.02	21.17	21.08			
20	16QAM	100	0	21.28	21.24	21.32			
20	256QAM	1	0	19.31	19.24	19.41			
20	256QAM	1	49	19.24	19.15	19.20	20	5	5
20	256QAM	1	99	19.27	19.24	19.37			
20	256QAM	50	0	19.25	19.23	19.28			
20	256QAM	50	24	19.16	19.21	19.25	20	5	5
20	256QAM	50	50	19.18	19.20	19.33			
20	256QAM	100	0	19.25	19.26	19.33			



**CDMA1X Rev2 Default**

CDMA1X TX Channel	Transmit Average Power (dBm)			Turn-up Limit (dBm)	Frame Average Power (dBm)			Turn-up Limit (dBm)
	1920	1960	1970		1920	1960	1970	
Frequency (MHz)	1955.2	1960	1965.8		1955.2	1960	1965.8	
OPRS 1 Tx Rate	30.27	30.35	30.25	31.00	31.27	31.38	31.25	32.00
OPRS 2 Tx Rate	26.90	27.02	26.81	28.00	28.90	29.02	28.86	29.00
OPRS 3 Tx Rate	24.80	24.89	24.81	26.00	26.84	26.93	26.85	27.00
OPRS 4 Tx Rate	24.48	24.58	24.52	25.00	26.48	26.58	26.52	27.00
EDGE 1 Tx Rate	23.09	23.17	23.03	23.00	23.09	23.17	23.03	23.50
EDGE 2 Tx Rate	22.38	22.47	22.33	23.00	23.38	23.47	23.33	23.50
EDGE 3 Tx Rate	18.23	18.38	18.08	21.00	18.27	18.38	18.04	19.00
EDGE 4 Tx Rate	18.36	18.41	18.38	20.00	18.56	18.61	18.54	19.00

**WCDMA 1X Rev2 Default**

E-UTRA TX Channel	WCDMA 1X			Turn-up Limit (dBm)	WCDMA 1X			Turn-up Limit (dBm)	
	1920	1960	1978		1920	1960	1978		
Frequency (MHz)	1955.2	1960	1977.8		1955.2	1960	1977.8		
SOPP Full R99	AMR 12.2kops	24.34	24.36	24.38	25.00	24.23	24.35	24.17	25.00
SOPP Full R99	AMR 12.2kops	24.40	24.43	24.53	25.00	24.31	24.38	24.48	25.00
SOPP Full E	HSPA Subclass 1	23.35	23.48	23.27	24.00	23.42	23.39	23.19	24.00
SOPP Full E	HSPA Subclass 2	23.64	23.35	23.29	24.00	23.27	23.34	23.34	24.00
SOPP Full E	HSPA Subclass 3	23.03	22.68	22.85	23.00	22.94	22.88	22.65	23.50
SOPP Full E	HSPA Subclass 4	23.03	23.03	22.71	23.00	22.83	22.76	22.89	23.00
SOPP Full E	DC-HSPA Subclass 1	23.47	23.55	23.33	24.00	23.55	23.33	23.17	24.00
SOPP Full E	DC-HSPA Subclass 2	23.35	23.40	23.38	24.00	23.27	23.43	23.11	24.00
SOPP Full E	DC-HSPA Subclass 3	23.03	22.80	22.96	23.00	22.96	22.81	22.61	23.50
SOPP Full E	DC-HSPA Subclass 4	23.03	23.02	22.82	23.00	22.81	22.73	22.80	23.00
SOPP Full E	HSPA Subclass 1	23.38	23.25	23.46	24.00	23.47	23.35	23.26	24.00
SOPP Full E	HSPA Subclass 2	21.83	21.41	21.27	22.00	21.35	21.44	21.28	22.00
SOPP Full E	HSPA Subclass 3	22.51	22.52	22.38	23.00	22.38	22.38	22.39	23.00
SOPP Full E	HSPA Subclass 4	21.40	21.38	21.21	22.00	21.56	21.40	21.27	22.00
SOPP Full E	HSPA Subclass 5	23.47	23.38	23.27	24.00	23.38	23.38	23.33	24.00
SOPP Full E	HSPA (WCDMA) Subclass 1	21.05	21.03	20.89	21.00	20.59	20.78	20.84	21.00













Reduced Power Mode for DS11

GERM20 Avrt Default									
GERM20	Burst Average Power (dBm)			Time-tp	Flatten/average Power (dBm)			Time-tp	
TS Channel	824.2	832.4	840.6	Limit	824.2	832.4	840.6	Limit	
Frequency (MHz)				(dBm)				(dBm)	
DRM 1 Tx Wt	32.98	33.08	33.03	34.00	23.98	24.08	24.03	25.00	
OPRS 1 Tx Wt	32.91	33.01	32.96	34.00	23.91	24.01	23.96	25.00	
OPRS 2 Tx Wt	29.80	29.98	29.85	31.00	20.80	20.98	20.85	21.00	
OPRS 3 Tx Wt	27.81	27.96	27.86	29.25	19.55	19.60	19.45	20.50	
OPRS 4 Tx Wt	26.63	26.80	26.56	28.00	18.83	18.69	18.56	20.00	
EDGE 1 Tx Wt	25.99	26.18	25.96	27.50	18.99	19.18	18.96	19.50	
EDGE 2 Tx Wt	22.97	23.05	22.93	24.50	16.97	17.05	16.93	18.50	
EDGE 3 Tx Wt	21.58	21.83	21.62	23.00	15.52	15.77	15.58	18.24	
EDGE 4 Tx Wt	20.01	20.26	19.98	21.50	13.91	14.26	13.96	18.00	

WCDMA V Avrt Default					
Band	WCDMA V			Time-tp	
TS Channel	4192	4195	4203	Limit	
Frequency (MHz)	824.2	832.4	840.6	(dBm)	
ISPP Rel 99	AMR 12.2kbit	24.35	24.22	24.10	25.00
ISPP Rel 99	RM12 24kbit	24.21	24.25	24.16	25.00
ISPP Rel 6	HSDPA Subclass 1	22.14	22.24	22.05	24.00
ISPP Rel 6	HSDPA Subclass 2	22.15	22.16	22.21	24.00
ISPP Rel 6	HSDPA Subclass 3	22.09	22.65	22.77	23.50
ISPP Rel 6	HSDPA Subclass 4	22.71	22.54	22.76	23.50
ISPP Rel 6	DCHSDPA Subclass 1	22.20	22.23	22.04	24.00
ISPP Rel 6	DCHSDPA Subclass 2	22.20	22.18	22.09	24.00
ISPP Rel 6	DCHSDPA Subclass 3	22.16	22.49	22.69	23.50
ISPP Rel 6	DCHSDPA Subclass 4	22.72	22.73	22.58	23.50
ISPP Rel 6	HSPA Subclass 1	22.20	22.06	21.18	24.00
ISPP Rel 6	HSPA Subclass 2	21.34	21.29	21.29	22.00
ISPP Rel 6	HSPA Subclass 3	22.15	22.16	22.18	23.00
ISPP Rel 6	HSPA Subclass 4	22.11	21.00	22.25	22.00
ISPP Rel 6	HSPA Subclass 5	22.10	21.06	22.22	24.00
ISPP Rel 7	HSPA (TDD) Subclass 1	20.69	20.72	20.60	21.50











GSM850 Art DSI1						
CDMAID	Band Average Power (dBm)			Flatten/Target Power (dBm)		
TX Channel	192	192	192	192	192	192
Frequency (MHz)	842.4	843.4	844.4	842.4	843.4	844.4
OPRS 1 Tx (w)	30.62	30.66	30.43	31.44	31.68	31.48
OPRS 1 Tx (w)	30.62	30.62	30.44	32.40	31.62	31.44
OPRS 2 Tx (w)	27.41	27.53	27.64	29.40	21.44	21.54
OPRS 3 Tx (w)	29.72	29.76	29.77	27.60	25.48	21.51
OPRS 4 Tx (w)	24.44	24.52	24.45	26.40	21.44	21.45
EDGE 1 Tx (w)	20.71	20.77	20.76	23.52	17.71	17.78
EDGE 2 Tx (w)	23.78	23.85	23.68	25.52	17.78	17.68
EDGE 3 Tx (w)	21.78	21.89	21.48	23.78	17.68	17.44
EDGE 4 Tx (w)	20.58	20.62	20.61	22.52	17.62	17.61

GSM1900 Art DSI1						
CDMAID	Band Average Power (dBm)			Flatten/Target Power (dBm)		
TX Channel	1852	1853	1900.8	1852	1853	1900.8
Frequency (MHz)	1852.1	1853	1900.8	1852.1	1853	1900.8
DSSE 1 Tx (w)	20.06	20.06	20.06	20.06	20.06	19.86
OPRS 1 Tx (w)	26.51	26.55	26.52	19.84	20.05	20.05
OPRS 2 Tx (w)	26.01	26.03	25.99	27.50	20.01	20.03
OPRS 3 Tx (w)	24.21	24.24	24.15	25.70	19.85	19.89
OPRS 4 Tx (w)	23.11	23.12	23.04	24.50	20.11	19.94
EDGE 1 Tx (w)	22.01	22.02	22.01	19.52	16.25	16.31
EDGE 2 Tx (w)	20.20	20.28	20.26	21.70	16.03	16.12
EDGE 3 Tx (w)	19.50	19.60	19.53	20.52	16.09	16.03

Band	WCDMA II Art DSI1			WCDMA IV Art DSI1			WCDMA V Art DSI1			
	9582	9600	9538	1512	1413	1513	4132	4152	4433	
TX Channel	9582	9600	9538	1512	1413	1513	4132	4152	4433	
Frequency (MHz)	1920.4	1980	1920.6	1712.4	1724	1724.6	3864	4064	4068	
SCPP Rel 99	20.15	20.33	20.15	21.80	21.25	21.51	21.28	22.60	20.31	20.42
SCPP Rel 99	20.27	20.35	20.31	21.80	21.23	21.59	21.48	23.69	20.15	20.05
SCPP Rel 8	19.53	19.56	19.49	20.80	20.31	20.44	20.30	21.80	19.45	19.45
SCPP Rel 8	19.47	19.50	19.50	20.80	20.44	20.33	20.66	21.80	19.75	19.25
SCPP Rel 8	19.51	19.55	19.51	20.30	20.00	19.92	20.10	19.00	19.13	19.12
SCPP Rel 8	19.07	19.07	19.15	20.30	19.85	19.88	19.07	21.10	19.03	19.13
SCPP Rel 8	19.32	19.47	19.62	20.80	20.21	20.51	20.69	21.60	19.59	19.71
SCPP Rel 8	19.42	19.56	19.60	20.80	20.24	20.46	20.47	21.80	19.60	19.71
SCPP Rel 8	18.82	18.86	18.86	20.30	19.84	19.85	19.84	21.10	18.71	18.71
SCPP Rel 8	18.82	18.86	18.86	20.30	19.84	19.85	19.84	21.10	18.94	18.92
SCPP Rel 8	19.62	19.57	19.61	20.80	20.35	20.47	20.37	21.80	19.54	19.52
SCPP Rel 8	17.67	17.83	17.68	19.80	19.31	19.36	19.05	19.65	17.68	17.36
SCPP Rel 8	18.35	18.81	18.77	19.80	19.45	19.28	19.33	20.60	18.73	18.40
SCPP Rel 8	17.81	17.83	17.71	19.80	19.40	19.48	19.70	19.65	17.84	17.83
SCPP Rel 8	19.41	19.80	19.64	20.80	20.44	20.47	20.47	21.80	19.71	19.53
SCPP Rel 8	19.41	19.80	19.64	20.80	20.44	20.47	20.47	21.80	19.71	19.53
SCPP Rel 8	19.94	17.57	17.64	18.30	17.81	18.13	17.65	18.10	17.25	16.60









**GBM1900 Aird Default**

CDM1900	Total Average Power (dBm)			Turn-up Limit (dBm)	Framwork/Range Power (dBm)			Turn-up Limit (dBm)
	952	960	968		1932	1938	1944	
TX Channel	1802	1805	1900.8	(dBm)	1902	1905	1909.6	(dBm)
Frequency (MHz)	1802	1805	1900.8	(dBm)	1902	1905	1909.6	(dBm)
OPBS 1 Tx Wk	30.27	30.36	30.23	31.00	21.27	21.35	21.25	22.00
OPBS 2 Tx Wk	28.50	27.02	28.86	28.00	20.85	21.02	20.88	22.00
OPBS 3 Tx Wk	25.80	25.80	25.81	26.20	21.34	21.43	21.29	21.94
OPBS 4 Tx Wk	24.45	24.58	24.42	25.00	21.48	21.58	21.52	22.00
EDGE 1 Tx Wk	25.48	25.77	25.61	26.50	18.58	18.77	18.63	17.50
EDGE 2 Tx Wk	22.38	22.47	22.33	23.50	16.38	16.47	16.33	17.50
EDGE 3 Tx Wk	21.78	21.78	21.78	23.00	15.58	15.58	15.58	17.50
EDGE 4 Tx Wk	18.58	18.61	18.58	20.50	15.58	15.61	15.58	17.50

**WCDMA IV Aird Default**

Band	WCDMA III			Turn-up Limit (dBm)	WCDMA IV			Turn-up Limit (dBm)	
	952	960	968		1932	1938	1944		
TX Channel	952	960	968	(dBm)	1932	1938	1944	(dBm)	
Frequency (MHz)	952	960	968	(dBm)	1932	1938	1944	(dBm)	
SCPP Rel 06	AMR 12.2kps	24.34	24.36	24.28	25.00	24.23	24.30	24.17	25.00
SCPP Rel 09	AMR 12.2kps	24.41	24.43	24.33	25.00	24.31	24.38	24.28	25.00
SCPP Rel 8	HSPA Subcat 1	23.30	23.46	23.27	24.00	23.42	23.36	23.19	24.00
SCPP Rel 8	HSPA Subcat 2	22.64	22.56	22.70	24.00	22.37	22.54	22.34	24.00
SCPP Rel 8	HSPA Subcat 3	23.03	22.88	22.88	23.50	22.64	22.85	22.65	23.50
SCPP Rel 8	HSPA Subcat 4	23.03	23.03	22.71	23.50	22.63	22.76	22.69	23.50
SCPP Rel 8	HSPA Subcat 5	23.47	23.55	23.33	24.00	23.55	23.33	23.17	24.00
SCPP Rel 8	HSPA Subcat 6	23.10	23.40	23.38	24.00	23.27	23.43	23.11	24.00
SCPP Rel 8	HSPA Subcat 7	23.10	22.80	22.81	23.50	22.26	22.83	22.61	23.50
SCPP Rel 8	HSPA Subcat 8	23.00	23.02	22.85	23.50	22.51	22.81	22.73	23.50
SCPP Rel 8	HSPA Subcat 9	23.46	23.56	23.46	24.00	23.47	23.33	23.27	24.00
SCPP Rel 8	HSPA Subcat 10	21.50	21.41	21.21	23.00	21.55	21.44	21.25	23.00
SCPP Rel 8	HSPA Subcat 11	22.51	22.52	22.38	23.00	22.36	22.38	22.39	23.00
SCPP Rel 8	HSPA Subcat 12	21.40	21.38	21.21	23.00	21.58	21.40	21.27	23.00
SCPP Rel 8	HSPA Subcat 13	23.47	23.38	23.27	24.00	23.36	23.38	23.33	24.00
SCPP Rel 8	HSPA (WCDMA) Subcat 14	21.00	21.03	20.80	21.50	20.03	20.79	20.04	21.50











Band 4 Ant3 DS1i										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPE (dB)		
<b>Channel</b>										
	Frequency (MHz)	1	0	18.44	18.54	18.62				
20	QPSK	1	0	18.44	18.54	18.62				
20	QPSK	1	49	18.39	18.37	18.41				
20	QPSK	1	99	18.39	18.37	18.41				
20	QPSK	50	0	18.24	18.47	18.34				
20	QPSK	50	24	18.28	18.45	18.38				
20	QPSK	50	50	18.37	18.16	18.44				
20	QPSK	100	0	18.25	18.32	18.31				
20	16QAM	100	0	18.37	18.41	18.28				
20	16QAM	1	49	18.37	18.18	18.42				
20	16QAM	1	99	18.24	18.33	18.37				
20	16QAM	50	0	18.22	18.26	18.28				
20	16QAM	50	24	18.24	18.32	18.32				
20	16QAM	50	50	18.30	18.41	18.22				
20	16QAM	100	0	18.25	18.31	18.35				
20	16QAM	1	0	18.38	18.27	18.30				
20	16QAM	1	49	18.24	18.22	18.22				
20	16QAM	1	99	18.08	18.27	18.37				
20	16QAM	50	24	18.37	18.33	18.33				
20	16QAM	50	50	18.26	18.34	18.30				
20	16QAM	100	0	18.27	18.34	18.44				
20	256QAM	1	49	18.26	18.31	18.30				
20	256QAM	1	99	18.13	18.45	18.19				
20	256QAM	50	24	18.22	18.30	18.28				
20	256QAM	50	24	18.26	18.46	18.44				
20	256QAM	50	50	18.37	18.34	18.16				
20	256QAM	100	0	18.26	18.23	18.21				
<b>Channel</b>										
	Frequency (MHz)	20005	20075	20055						
15	QPSK	1	0	18.22	18.42	18.20				
15	QPSK	1	37	18.29	18.24	18.27				
15	QPSK	1	74	18.29	18.24	18.42				
15	QPSK	36	0	18.14	18.30	18.18				
15	QPSK	36	20	18.05	18.21	18.09				
15	QPSK	36	39	18.37	18.30	18.20				
15	QPSK	75	0	18.37	18.34	18.20				
15	16QAM	1	0	18.23	18.17	18.17				
15	16QAM	1	37	18.24	18.34	18.27				
15	16QAM	1	74	18.23	18.24	18.30				
15	16QAM	36	20	18.20	18.13	18.11				
15	16QAM	36	20	18.27	18.36	18.21				
15	16QAM	36	39	18.37	18.30	18.20				
15	16QAM	75	0	18.32	18.27	18.32				
15	16QAM	1	0	18.34	18.12	18.12				
15	16QAM	1	37	18.24	18.34	18.20				
15	16QAM	1	74	18.26	18.34	18.30				
15	16QAM	36	20	18.20	18.13	18.11				
15	16QAM	36	20	18.27	18.36	18.21				
15	16QAM	36	39	18.37	18.30	18.20				
15	16QAM	75	0	18.32	18.27	18.32				
15	16QAM	1	0	18.34	18.12	18.12				
15	16QAM	1	37	18.24	18.34	18.20				
15	16QAM	1	74	18.26	18.34	18.30				
15	16QAM	36	20	18.20	18.13	18.11				
15	16QAM	36	20	18.27	18.36	18.21				
15	16QAM	36	39	18.37	18.30	18.20				
15	16QAM	75	0	18.32	18.27	18.32				
15	256QAM	1	37	18.20	18.14	18.10				
15	256QAM	1	74	18.13	18.26	18.20				
15	256QAM	50	24	18.09	18.44	18.38				
15	256QAM	50	39	18.23	18.27	18.18				
15	256QAM	75	0	18.31	18.24	18.20				
<b>Channel</b>										
	Frequency (MHz)	1717.5	1732.5	1747.5						
15	QPSK	1	0	18.22	18.38	18.24				
15	QPSK	1	37	18.29	18.23	18.23				
15	QPSK	1	74	18.21	18.28	18.38				
15	QPSK	36	0	18.12	18.46	18.21				
15	QPSK	36	20	18.18	18.21	18.21				
15	QPSK	36	39	18.13	18.27	18.22				
15	QPSK	75	0	18.28	18.28	18.20				
15	16QAM	1	0	18.23	18.17	18.17				
15	16QAM	1	37	18.27	18.08	18.23				
15	16QAM	1	74	18.29	18.25	18.21				
15	16QAM	36	20	18.19	18.18	18.24				
15	16QAM	36	20	18.26	18.35	18.20				
15	16QAM	36	39	18.27	18.36	18.21				
15	16QAM	75	0	18.29	18.15	18.23				
15	16QAM	1	0	18.29	18.32	18.13				
15	16QAM	1	37	18.28	18.28	18.23				
15	16QAM	1	74	18.25	18.00	18.11				
15	16QAM	36	20	18.11	18.35	18.19				
15	16QAM	36	20	18.28	18.28	18.23				
15	16QAM	36	39	18.29	18.37	18.22				
15	16QAM	75	0	18.32	18.18	18.27				
15	16QAM	1	0	18.27	18.22	18.20				
15	16QAM	1	37	18.17	18.21	18.15				
15	16QAM	1	74	18.13	18.25	18.19				
15	16QAM	36	20	18.12	18.26	18.20				
15	16QAM	36	20	18.19	18.25	18.23				
15	16QAM	36	39	18.22	18.15	18.15				
15	16QAM	75	0	18.25	18.22	18.21				
<b>Channel</b>										
	Frequency (MHz)	20605	21100	21315						
15	QPSK	1	0	18.24	18.38	18.24				
15	QPSK	1	37	18.29	18.23	18.23				
15	QPSK	1	74	18.21	18.28	18.38				
15	QPSK	36	0	18.12	18.46	18.21				
15	QPSK	36	20	18.18	18.21	18.21				
15	QPSK	36	39	18.13	18.27	18.22				
15	QPSK	75	0	18.28	18.28	18.20				
15	16QAM	1	0	18.23	18.17	18.17				
15	16QAM	1	37	18.27	18.08	18.23				
15	16QAM	1	74	18.29	18.25	18.21				
15	16QAM	36	20	18.19	18.18	18.24				
15	16QAM	36	20	18.26	18.35	18.20				
15	16QAM	36	39	18.27	18.36	18.21				
15	16QAM	75	0	18.29	18.15	18.23				
15	16QAM	1	0	18.29	18.32	18.13				
15	16QAM	1	37	18.28	18.28	18.23				
15	16QAM	1	74	18.25	18.00	18.11				
15	16QAM	36	20	18.11	18.35	18.19				
15	16QAM	36	20	18.28	18.28	18.23				
15	16QAM	36	39	18.29	18.37	18.22				
15	16QAM	75	0	18.32	18.18	18.27				
15	16QAM	1	0	18.27	18.22	18.20				
15	16QAM	1	37	18.17	18.21	18.15				
15	16QAM	1	74	18.13	18.25	18.19				
15	16QAM	36	20	18.12	18.26	18.20				
15	16QAM	36	20	18.19	18.25	18.23				
15	16QAM	36	39	18.22	18.15	18.15				
15	16QAM	75	0	18.25	18.22	18.21				
<b>Channel</b>										
	Frequency (MHz)	20605	21100	21315						
10	QPSK	1	0	18.23	18.30	18.23				
10	QPSK	1	25	18.16	18.43	18.27				
10	QPSK	1	49	18.08	18.22	18.38				
10	QPSK	36	0	18.14	18.36	18.21				
10	QPSK	36	20	18.24	18.26	18.26				
10	QPSK	36	39	18.19	18.31	18.21				
10	QPSK	75	0	18.30	18.16	18.25				
10	16QAM	1	0	18.23	18.17	18.17				
10	16QAM	1	25	18.04	18.11	18.28				
10	16QAM	1	49	18.17	18.25	18.31				



Band 38 Ant3 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.93	19.93	19.93	20	0		
20	QPSK	1	49	19.95	19.92	19.88	20	0		
20	QPSK	50	24	19.95	19.95	19.95	20	0		
20	QPSK	50	24	19.91	19.93	19.89	20	0		
20	QPSK	100	0	19.93	19.92	19.91	20	0		
20	QPSK	100	0	19.88	19.96	19.92	20	0		
20	16QAM	1	0	19.94	19.92	19.93	20	0		
20	16QAM	1	49	19.96	19.96	19.88	20	0		
20	16QAM	1	99	19.90	19.92	19.93	20	0		
20	16QAM	50	24	19.94	19.94	19.75	20	0		
20	16QAM	50	24	19.91	19.86	19.73	20	0		
20	16QAM	100	0	19.77	19.72	19.76	20	0		
20	16QAM	100	0	19.25	19.83	19.72	20	0		
20	16QAM	1	49	19.84	19.83	19.82	20	0		
20	16QAM	1	99	19.94	19.90	19.76	20	0		
20	16QAM	50	24	19.96	19.94	19.95	20	0		
20	16QAM	50	24	19.90	19.97	19.81	20	0		
20	16QAM	100	0	19.71	19.87	19.76	20	0		
20	16QAM	100	0	19.72	19.79	19.71	20	0		
20	16QAM	1	49	19.86	19.86	19.78	20	0		
20	16QAM	1	99	19.81	19.88	19.87	20	0		
20	16QAM	50	24	19.78	19.95	19.88	20	0		
20	16QAM	50	24	19.86	19.86	19.89	20	0		
20	16QAM	100	0	19.85	19.86	19.86	20	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.77	18.93	19.07	20	0		
15	QPSK	1	37	18.86	18.95	18.76	20	0		
15	QPSK	1	74	18.84	18.81	18.76	20	0		
15	QPSK	36	0	18.86	18.79	18.83	20	0		
15	QPSK	36	20	18.77	18.85	18.80	20	0		
15	QPSK	75	0	18.78	18.93	18.88	20	0		
15	16QAM	1	0	18.87	18.94	18.82	20	0		
15	16QAM	1	37	18.81	18.81	18.74	20	0		
15	16QAM	1	74	18.83	18.86	18.85	20	0		
15	16QAM	36	0	18.87	18.82	18.81	20	0		
15	16QAM	36	20	18.81	18.86	18.85	20	0		
15	16QAM	36	39	18.76	18.80	18.88	20	0		
15	16QAM	75	0	18.94	18.73	18.72	20	0		
15	16QAM	75	0	18.72	18.77	18.85	20	0		
15	16QAM	1	37	18.78	18.84	18.76	20	0		
15	16QAM	1	74	18.79	18.93	18.91	20	0		
15	16QAM	36	0	18.83	18.75	18.77	20	0		
15	16QAM	36	20	18.94	18.83	18.80	20	0		
15	16QAM	36	39	18.88	18.88	18.87	20	0		
15	16QAM	75	0	18.25	18.77	18.87	20	0		
15	25QAM	1	0	18.88	18.75	18.87	20	0		
15	25QAM	1	37	18.70	18.94	18.92	20	0		
15	25QAM	1	74	18.71	18.78	18.96	20	0		
15	25QAM	36	0	18.77	18.85	18.81	20	0		
15	25QAM	36	20	18.87	18.82	18.84	20	0		
15	25QAM	36	39	18.77	18.82	18.85	20	0		
15	25QAM	75	0	18.40	18.82	18.82	20	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.91	19.00	19.05	20	0		
10	QPSK	1	25	18.86	18.90	18.75	20	0		
10	QPSK	1	49	18.83	18.80	18.88	20	0		
10	QPSK	25	12	18.81	18.82	18.81	20	0		
10	QPSK	25	12	18.86	18.84	18.87	20	0		
10	QPSK	25	25	18.84	18.85	18.82	20	0		
10	QPSK	50	0	18.82	18.93	18.89	20	0		
10	16QAM	1	0	18.88	18.89	18.89	20	0		
10	16QAM	1	25	18.75	18.84	18.81	20	0		
10	16QAM	1	49	18.82	18.95	18.90	20	0		
10	16QAM	25	0	18.72	18.81	18.81	20	0		
10	16QAM	25	12	18.85	18.86	18.85	20	0		
10	16QAM	25	25	18.81	18.76	18.59	20	0		
10	16QAM	50	0	18.68	18.76	18.82	20	0		
10	16QAM	50	0	18.36	18.73	18.86	20	0		
10	16QAM	1	25	18.81	18.81	18.79	20	0		
10	16QAM	1	49	18.80	18.86	18.85	20	0		
10	16QAM	25	0	18.71	18.70	18.84	20	0		
10	16QAM	25	12	18.80	18.84	18.85	20	0		
10	16QAM	25	25	18.77	18.80	18.72	20	0		
10	16QAM	50	0	18.59	18.69	18.60	20	0		
10	25QAM	1	0	18.88	18.85	18.84	20	0		
10	25QAM	1	25	18.89	18.79	18.85	20	0		
10	25QAM	1	49	18.73	18.71	18.85	20	0		
10	25QAM	25	0	18.88	18.80	18.85	20	0		
10	25QAM	25	12	18.84	18.79	18.85	20	0		
10	25QAM	25	25	18.73	18.94	18.59	20	0		
10	25QAM	50	0	18.45	18.67	18.49	20	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.86	18.88	18.83	20	0		
5	QPSK	1	12	18.80	18.88	18.79	20	0		
5	QPSK	1	24	18.82	18.82	18.81	20	0		
5	QPSK	12	0	18.89	18.78	18.86	20	0		
5	QPSK	12	7	18.87	18.77	18.86	20	0		
5	QPSK	12	14	18.90	18.86	18.71	20	0		
5	QPSK	25	0	18.87	18.84	18.89	20	0		
5	QPSK	25	12	18.80	18.89	18.79	20	0		
5	16QAM	1	12	18.82	18.87	18.72	20	0		
5	16QAM	1	24	18.78	18.90	18.81	20	0		
5	16QAM	12	0	18.79	18.72	18.56	20	0		
5	16QAM	12	7	18.73	18.77	18.69	20	0		
5	16QAM	12	14	18.75	18.82	18.69	20	0		
5	16QAM	25	0	18.72	18.74	18.68	20	0		
5	16QAM	1	0	18.83	18.87	18.84	20	0		
5	16QAM	1	12	18.86	18.82	18.87	20	0		
5	16QAM	1	24	18.88	18.90	18.73	20	0		
5	16QAM	12	0	18.72	18.77	18.84	20	0		
5	16QAM	12	7	18.83	18.87	18.50	20	0		
5	16QAM	12	14	18.87	18.79	18.86	20	0		
5	16QAM	25	0	18.84	18.81	18.90	20	0		
5	25QAM	1	0	18.89	18.74	18.84	20	0		
5	25QAM	1	12	18.87	18.72	18.84	20	0		
5	25QAM	1	24	18.68	18.84	18.57	20	0		
5	25QAM	12	0	18.73	18.76	18.77	20	0		
5	25QAM	12	7	18.81	18.92	18.71	20	0		
5	25QAM	12	14	18.75	18.73	18.60	20	0		
5	25QAM	25	0	18.46	18.48	18.33	20	0		

Band 41 Ant3 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Power Max Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.10	20.14	20.13	20.13	20.12	21	0
20	QPSK	1	49	20.03	20.10	20.15	20.02	20.18	21	0
20	QPSK	50	24	20.04	20.09	20.19	20.04	20.20	21	0
20	QPSK	50	24	19.97	20.11	20.17	20.07	20.10	21	0
20	QPSK	50	24	19.93	20.19	20.12	20.11	20.06	21	0
20	QPSK	100	0	19.95	19.96	19.90	19.91	19.84	21	0
20	QPSK	100	0	20.06	20.00	20.16	19.97	20.07	21	0
20	16QAM	1	0	19.95	20.05	20.14	20.02	20.19	21	0
20	16QAM	1	49	19.89	19.95	20.00	19.94	20.10	21	0
20	16QAM	1	99	19.98	19.95	19.96	19.95	20.09	21	0
20	16QAM	50	24	19.80	20.02	20.08	19.91	20.15	21	0
20	16QAM	50	24	19.89	20.00	20.09	19.97	19.98	21	0
20	16QAM	50	24	19.83	19.86	19.96	20.07	20.09	21	0
20	16QAM	100	0	19.84	19.86	19.97	19.86	19.99	21	0



Reduced Power Mode for DSI3

GSM/GPRS Default								
GSM/GPRS	Best Average Power (dBm)			Turn-up Limit (dBm)	Frame Average Power (dBm)			Turn-up Limit (dBm)
	DB	TW	20T		DB	TW	20T	
Tx Channel	30.2	30.4	30.8	34.00	23.98	24.08	24.03	25.00
Frequency (MHz)	32.98	33.06	33.03	34.00	23.98	24.08	24.03	25.00
GSM 1 Tx class	33.01	33.01	33.06	34.00	23.93	24.01	23.95	25.00
GPRS 2 Tx class	29.80	29.98	29.85	31.00	23.80	23.98	23.85	25.00
GPRS 3 Tx class	27.81	27.82	27.81	29.00	23.05	23.06	23.04	24.04
GPRS 4 Tx class	26.83	26.09	26.98	28.00	23.83	23.88	23.95	25.00
EDGE 1 Tx class	25.90	26.13	25.98	27.80	18.99	17.13	18.96	18.80
EDGE 2 Tx class	22.97	23.09	22.93	24.80	18.97	17.09	18.95	18.80
EDGE 3 Tx class	21.88	21.63	21.62	23.00	17.32	17.37	17.38	18.74
EDGE 4 Tx class	20.01	20.08	19.96	21.00	17.61	17.06	16.96	18.80

WCDMA V AMR Default				
Best	WCDMA V		Turn-up Limit (dBm)	
	4152	4152		
Tx Channel	4357	4407	4458	
Rx Channel	4358	4407	4458	
Frequency (MHz)	4358	4407	4458	
SCPP Pal 00	AMR 12 Mbps	24.15	24.02	24.70
SCPP Pal 01	AMR 12 Mbps	24.22	24.25	24.38
SCPP Pal 02	HRPA Subclass 1	23.14	23.04	23.05
SCPP Pal 03	HRPA Subclass 2	23.15	23.16	23.21
SCPP Pal 04	HRPA Subclass 3	22.76	22.83	22.77
SCPP Pal 05	HRPA Subclass 4	22.71	22.84	22.78
SCPP Pal 06	DC-HRPA Subclass 1	23.60	23.23	23.64
SCPP Pal 07	DC-HRPA Subclass 2	23.20	23.16	23.07
SCPP Pal 08	DC-HRPA Subclass 3	22.78	22.67	22.69
SCPP Pal 09	DC-HRPA Subclass 4	22.72	22.73	22.68
SCPP Pal 10	HSUPA Subclass 1	23.20	23.09	23.18
SCPP Pal 11	HSUPA Subclass 2	21.96	21.21	21.99
SCPP Pal 12	HSUPA Subclass 3	22.15	22.16	22.18
SCPP Pal 13	HSUPA Subclass 4	21.11	21.10	21.25
SCPP Pal 14	HSUPA Subclass 5	21.10	21.05	21.22
SCPP Pal 15	HSUPA Subclass 6	20.89	20.72	20.80



Band 4 Ant0 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up freq (dB)	MRR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.82	22.96	22.97					
10	QPSK	1	49	22.78	22.81	22.83	24.5	0			
10	QPSK	1	99	22.84	22.87	22.78					
20	QPSK	50	0	21.85	21.95	21.88					
20	QPSK	50	24	21.77	21.82	21.87					
20	QPSK	50	50	21.90	21.94	21.82	23.5	1			
20	QPSK	100	0	21.76	21.88	21.76					
20	QPSK	100	1	21.67	21.95	22.01					
20	HQAM	1	49	21.90	22.00	21.95	23.5	1			
20	HQAM	1	99	21.84	21.96	21.85					
20	HQAM	50	0	20.99	20.95	20.90					
20	HQAM	50	24	20.77	20.89	20.82					
20	HQAM	50	50	20.87	21.00	20.92	22.5	2			
20	HQAM	100	0	20.86	20.92	20.80					
20	HQAM	100	1	20.94	21.06	20.96					
20	HQAM	1	49	20.95	21.00	20.95					
20	HQAM	1	99	20.87	21.00	20.96					
20	HQAM	50	0	19.89	20.04	19.92					
20	HQAM	50	24	19.62	19.98	19.97					
20	HQAM	50	50	20.03	20.10	20.06	21.5	3			
20	HQAM	100	0	19.80	19.94	19.80					
20	HQAM	100	1	17.67	18.00	17.98					
20	SSQAM	1	49	17.81	17.95	17.84	19.5	5			
20	SSQAM	1	99	17.76	17.90	17.81					
20	SSQAM	50	0	17.62	17.85	17.82					
20	SSQAM	50	24	17.78	17.79	17.84					
20	SSQAM	50	50	17.79	17.83	17.78	19.5	5			
20	SSQAM	100	0	17.85	17.89	17.85					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.78	22.84	22.83					
15	QPSK	1	37	22.84	22.88	22.81	24.5	0			
15	QPSK	1	74	22.79	22.76	22.84					
15	QPSK	50	0	21.81	21.88	21.86					
15	QPSK	50	20	21.75	21.84	21.79					
15	QPSK	50	38	21.98	21.81	21.79	23.5	1			
15	HQAM	1	0	21.87	21.97	21.96					
15	HQAM	1	37	21.75	21.89	21.88	23.5	1			
15	HQAM	1	74	21.77	21.82	21.80					
15	HQAM	50	0	20.77	20.81	20.83					
15	HQAM	50	20	20.79	20.85	20.77					
15	HQAM	50	38	20.82	20.90	20.85	22.5	2			
15	HQAM	75	0	20.80	20.86	20.80					
15	HQAM	1	0	20.51	21.00	20.81					
15	HQAM	1	37	20.85	20.95	20.95	22.5	2			
15	HQAM	1	74	20.75	20.96	20.98					
15	HQAM	50	0	19.84	19.88	19.89					
15	HQAM	50	20	19.84	19.89	19.83					
15	HQAM	50	38	19.54	19.97	19.90	21.5	3			
15	HQAM	75	0	19.79	19.81	19.79					
15	SSQAM	1	0	17.81	17.90	17.85					
15	SSQAM	1	37	17.76	17.91	17.91	19.5	5			
15	SSQAM	1	74	17.81	17.85	17.81					
15	SSQAM	50	0	17.78	17.96	17.84					
15	SSQAM	50	20	17.80	17.82	17.78					
15	SSQAM	50	38	17.78	17.84	17.79	19.5	5			
15	SSQAM	75	0	17.84	17.92	17.85					
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.78	22.84	22.84					
10	QPSK	1	25	22.75	22.85	22.81	24.5	0			
10	QPSK	1	49	22.79	22.88	22.77					
10	QPSK	25	0	21.80	21.86	21.80					
10	QPSK	25	12	21.76	21.93	21.78					
10	QPSK	25	25	21.90	21.86	21.79	23.5	1			
10	HQAM	1	0	21.92	22.00	21.90					
10	HQAM	1	25	21.91	22.02	22.00	23.5	1			
10	HQAM	1	49	21.81	22.02	21.89					
10	HQAM	25	0	20.90	20.99	20.88					
10	HQAM	25	12	20.83	20.86	20.78					
10	HQAM	25	25	20.90	20.90	20.83	22.5	2			
10	HQAM	50	0	20.83	20.90	20.90					
10	HQAM	1	0	20.84	21.04	20.96					
10	HQAM	1	25	20.93	21.04	20.98	22.5	2			
10	HQAM	1	49	20.82	21.01	21.00					
10	HQAM	25	0	19.88	20.10	19.90					
10	HQAM	25	12	19.88	19.99	19.88					
10	HQAM	25	25	20.06	20.15	19.99	21.5	3			
10	HQAM	50	0	19.82	19.92	19.88					
10	SSQAM	1	0	17.81	17.95	17.84					
10	SSQAM	1	25	17.83	18.01	17.91	19.5	5			
10	SSQAM	1	49	17.83	17.98	17.97					
10	SSQAM	25	0	17.78	17.97	17.89					
10	SSQAM	25	12	17.83	17.90	17.78					
10	SSQAM	25	25	17.85	17.81	17.77	19.5	5			
10	SSQAM	50	0	17.82	17.85	17.82					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.81	22.85	22.85					
5	QPSK	1	12	22.75	22.83	22.79	24.5	0			
5	QPSK	1	24	22.80	22.75	22.78					
5	QPSK	12	0	21.88	21.86	21.80					
5	QPSK	12	7	21.75	21.81	21.82					
5	QPSK	12	13	21.93	21.88	21.83	23.5	1			
5	HQAM	1	0	21.82	21.79	21.77					
5	HQAM	1	5	21.85	21.97	21.90					
5	HQAM	1	12	21.84	21.94	21.92	23.5	1			
5	HQAM	1	24	21.77	21.93	21.91					
5	HQAM	12	0	20.82	20.89	20.87					
5	HQAM	12	7	20.85	20.82	20.79					
5	HQAM	12	13	20.78	20.96	20.83	22.5	2			
5	HQAM	25	0	20.78	20.78	20.78					
5	HQAM	1	0	20.82	21.00	20.82					
5	HQAM	1	12	20.90	20.89	20.89	22.5	2			
5	HQAM	1	24	20.78	20.89	20.89					
5	HQAM	12	0	19.78	19.85	19.84					
5	HQAM	12	7	19.81	19.89	19.77					
5	HQAM	12	13	19.91	20.03	19.94	21.5	3			
5	HQAM	25	0	19.75	19.84	19.83					
5	SSQAM	1	0	17.82	17.93	17.93					
5	SSQAM	1	12	17.83	17.90	17.80	19.5	5			
5	SSQAM	1	24	17.79	17.90	17.85					
5	SSQAM	12	0	17.78	17.90	17.79					
5	SSQAM	12	7	17.84	17.91	17.78					
5	SSQAM	12	13	17.83	17.82	17.76	19.5	5			
5	SSQAM	25	0	17.83	17.94	17.85					
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.75	22.83	22.83					
3	QPSK	1	6	22.80	22.83	22.81	24.5	0			
3	QPSK	1	14	22.81	22.77	22.83					
3	QPSK	6	0	21.81	21.81	21.80					
3	QPSK	6	4	21.83	21.77	21.82					
3	QPSK	6	7	21.83	21.89	21.82	23.5	1			
3	HQAM	1	0	21.84	21.90	21.84					
3	HQAM	1	0	21.88	22.01	21.98					
3	HQAM	1	6	21.80	21.85	21.87	23.5	1			
3	HQAM	6	0	20.84	20.91	20.86					
3	HQAM	6	4	20.79	20.75	20.79					
3	HQAM	6	7	20.84	20.91	20.89	22.5	2			
3	HQAM	16	0	20.80	20.77	20.82					
3	HQAM	1	0	20.81	20.97	20.91					
3	HQAM	1	6	20.87	20.96	20.80	22.5	2			
3	HQAM	1	14	20.84	20.87	20.83					
3	HQAM	6	0	19.75	20.00	19.88					
3	HQAM	6	4	19.88	19.93	19.77	21.5	3			
3	HQAM	6	7	19.89	20.01	19.87					
3	HQAM	16	0	19.87	19.85	19.80					
3	SSQAM	1	0	17.82	17.96	17.78					
3	SSQAM	1	8	17.79	17.92	17.86	19.5	5			
3	SSQAM	1	14	17.80	17.88	17.82					
3	SSQAM	6	0	17.86	17.95	17.83					
3	SSQAM	6	4	17.88	17.87	17.80					
3	SSQAM	6	7	17.79	17.81	17.75	19.5	5			
3	SSQAM	16	0	17.82	17.94	17.81					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.83	22.91	22.85					
1.4	QPSK	1	3	22.85	22.85	22.79	24.5	0			
1.4	QPSK	1	0	22.85	22.90	22.86					
1.4	QPSK	3	1	22.83	22.81	22.78					
1.4	QPSK	0	0	22.83	22.86	22.94					
1.4	QPSK	0	0	21.80	21.83	21.82	23.5	1			
1.4	HQAM	1	0	21.99	22.01	21.97					
1.4	HQAM	1	3	21.98	22.06	22.00					
1.4	HQAM	1	5	21.90	21.83	21.90	23.5	1			
1.4	HQAM	3	0	21.91	21.88	21.87					
1.4	HQAM	3	1	21.75	21.84	21.80					
1.4	HQAM	3	3	21.83	21.86	21.89					
1.4	HQAM	6	0	20.89	20.78	20.83	22.5	2			
1.4	HQAM	3	0	20.84	20.87	20.86					
1.4	HQAM	3	1	20.84	20.87	20.88					
1.4	HQAM	3	3	21.07	21.04	21.06					
1.4	HQAM	6	0	19.84	19.81	19.80	21.5	3			



Band 7 Ant0 DS15										
BM (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Mid Ch. / Freq.	Turn-up (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.15	22.26	22.21	23.5	0		
20	QPSK	1	49	22.04	21.98	21.87				
20	QPSK	50	0	22.07	22.17	22.11	23.5	0		
20	QPSK	50	24	22.10	22.14	22.03				
20	QPSK	50	50	21.88	22.09	22.06				
20	QPSK	100	0	22.02	22.08	22.04				
20	HQAM	1	0	22.11	22.10	22.13	23.5	0		
20	HQAM	1	49	22.20	22.27	22.20				
20	HQAM	1	99	22.24	22.24	22.26				
20	HQAM	50	0	22.16	22.20	22.11	22.5	1		
20	HQAM	50	24	20.96	21.07	20.97				
20	HQAM	50	50	20.99	21.07	21.03				
20	HQAM	100	0	20.99	21.14	21.06				
20	HQAM	1	0	21.12	21.28	21.17	22.5	1		
20	HQAM	1	49	21.04	21.12	21.01				
20	HQAM	50	0	20.15	20.22	20.16				
20	HQAM	50	24	20.00	20.10	19.96				
20	HQAM	50	50	20.05	20.09	19.95				
20	HQAM	100	0	20.12	20.17	20.06				
20	SSQAM	1	0	18.14	18.16	18.08	19.5	4		
20	SSQAM	1	49	17.93	18.02	17.88				
20	SSQAM	1	99	17.93	18.01	17.87				
20	SSQAM	50	0	18.16	18.27	18.20				
20	SSQAM	50	24	18.11	18.23	18.18				
20	SSQAM	50	50	18.09	18.15	18.01				
20	SSQAM	100	0	18.14	18.18	18.09				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.03	22.11	22.12	23.5	0		
15	QPSK	1	37	21.89	21.99	21.84				
15	QPSK	1	74	21.78	21.72	21.74				
15	QPSK	36	0	21.89	22.02	21.80	23.5	0		
15	QPSK	36	24	22.01	22.03	21.60				
15	QPSK	36	39	21.68	21.69	21.88				
15	QPSK	75	0	21.71	21.87	21.82				
15	HQAM	1	0	22.04	22.27	22.12	23.5	0		
15	HQAM	1	37	22.10	22.19	21.97				
15	HQAM	1	74	22.14	22.09	22.07				
15	HQAM	36	0	21.04	21.02	20.81				
15	HQAM	36	20	20.87	20.90	20.86				
15	HQAM	36	39	20.81	20.79	20.80				
15	HQAM	75	0	20.78	20.84	20.80				
15	HQAM	1	0	20.95	21.12	21.09	22.5	1		
15	HQAM	1	37	20.98	20.98	20.94				
15	HQAM	1	74	20.79	20.91	20.73				
15	HQAM	36	0	20.04	20.09	19.94				
15	HQAM	36	20	19.77	19.98	19.73				
15	HQAM	36	39	19.69	19.81	19.71				
15	HQAM	75	0	19.96	20.07	19.82				
15	SSQAM	1	0	17.81	17.89	17.82	19.5	4		
15	SSQAM	1	37	17.85	17.92	17.76				
15	SSQAM	1	74	17.64	17.71	17.60				
15	SSQAM	36	0	17.86	18.06	17.86				
15	SSQAM	36	20	17.56	18.04	17.87				
15	SSQAM	36	39	17.88	18.07	17.77				
15	SSQAM	75	0	17.88	17.86	18.00				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.80	22.11	21.84	23.5	0		
10	QPSK	1	25	21.68	21.85	22.06				
10	QPSK	1	49	21.89	21.89	21.74				
10	QPSK	25	0	21.77	22.03	22.00	23.5	0		
10	QPSK	25	12	22.00	21.94	21.74				
10	QPSK	25	25	21.87	21.81	21.87				
10	QPSK	50	0	21.76	21.98	21.90				
10	HQAM	1	0	22.03	22.14	22.11	23.5	0		
10	HQAM	1	25	22.06	22.03	22.04				
10	HQAM	25	0	20.87	20.92	20.82				
10	HQAM	25	12	20.88	20.88	20.73				
10	HQAM	25	25	20.77	20.93	20.83				
10	HQAM	50	0	20.75	20.84	20.78				
10	HQAM	1	0	20.94	21.15	20.93	22.5	1		
10	HQAM	1	25	20.91	20.92	20.88				
10	HQAM	1	49	20.70	21.00	20.81				
10	HQAM	25	0	19.94	20.11	20.07				
10	HQAM	25	12	19.81	19.83	19.80				
10	HQAM	50	0	19.97	19.89	19.76				
10	SSQAM	1	0	17.86	17.96	17.81	19.5	4		
10	SSQAM	1	25	17.86	17.71	17.58				
10	SSQAM	1	49	17.79	17.79	17.72				
10	SSQAM	25	0	17.81	18.14	17.82				
10	SSQAM	25	12	17.97	18.12	18.08				
10	SSQAM	25	25	17.86	18.04	17.83				
10	SSQAM	50	0	18.03	17.81	17.82				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.82	22.12	22.08	23.5	0		
5	QPSK	1	12	21.82	22.01	22.10				
5	QPSK	1	24	21.75	21.88	21.70				
5	QPSK	12	0	21.94	21.86	22.00	23.5	0		
5	QPSK	12	7	21.82	21.85	21.75				
5	QPSK	12	13	21.84	21.91	21.77				
5	QPSK	25	0	21.72	21.76	21.62				
5	HQAM	1	0	22.20	22.16	22.17	23.5	0		
5	HQAM	1	12	22.02	22.04	21.96				
5	HQAM	1	24	21.86	22.16	22.16				
5	HQAM	12	0	20.91	20.98	20.85				
5	HQAM	12	7	20.73	20.90	20.72				
5	HQAM	12	13	20.81	20.97	20.73				
5	HQAM	25	0	20.87	20.92	20.83				
5	HQAM	1	0	20.98	21.15	20.98	22.5	1		
5	HQAM	1	12	20.74	21.00	20.72				
5	HQAM	1	24	20.75	20.84	20.83				
5	HQAM	12	0	20.02	19.96	19.84				
5	HQAM	12	7	19.84	19.92	19.72				
5	HQAM	12	13	19.82	19.86	19.82				
5	HQAM	25	0	19.87	19.86	19.80				
5	SSQAM	1	0	17.91	17.89	17.85	19.5	4		
5	SSQAM	1	12	17.88	17.88	17.84				
5	SSQAM	1	24	17.79	17.92	17.86				
5	SSQAM	12	0	17.87	18.10	17.81				
5	SSQAM	12	7	17.84	18.15	17.87				
5	SSQAM	12	13	17.81	18.06	17.82				
5	SSQAM	25	0	17.91	18.04	17.88				

Band 66 Ant0 Default										
BM (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Mid Ch. / Freq.	Turn-up (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.86	22.92	22.86	24.5	0		
20	QPSK	1	49	22.82	22.84	22.78				
20	QPSK	1	99	22.82	22.86	22.83				
20	QPSK	50	0	21.80	21.99	21.91	23.5	1		
20	QPSK	50	24	21.77	21.84	21.79				
20	QPSK	50	50	21.88	21.83	21.78				
20	QPSK	100	0	21.82	21.87	21.86				
20	HQAM	1	0	22.03	22.06	22.03	23.5	1		
20	HQAM	1	49	21.78	21.85	21.78				
20	HQAM	1	99	21.88	22.01	21.96				
20	HQAM	50	0	20.91	21.04	20.99	22.5	2		
20	HQAM	50	24	20.92	21.01	20.97				
20	HQAM	50	50	20.87	20.91	20.84				
20	HQAM	100	0	20.98	21.05	21.01				
20	HQAM	1	0	20.99	21.07	21.01				
20	HQAM	1	49	20.79	20.93	20.76				
20	HQAM	50	0	20.97	21.12	21.06				
20	HQAM	50	24	20.61	20.68	20.67				
20	HQAM	50	50	20.61	20.67	20.61				
20	HQAM	100	0	20.61	20.67	20.54				
20	SSQAM	1	0	17.82	18.05	17.84	19.5	5		
20	SSQAM	1	49	17.82	17.93	17.88				
20	SSQAM	1	99	17.86	17.92	17.81				
20	SSQAM	50	0	17.80	18.24	17.86				
20	SSQAM	50	24	17.82	17.78	17.80				
20	SSQAM	50	50	17.84	17.86	17.78				
20	SSQAM	100	0	17.84	17.86	17.82				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.83	22.81	22.81	24.5	0		
15	QPSK	1	37	22.83	22.83	22.78				
15	QPSK	1	74	22.83	22.84	22.88				
15	QPSK	36	0	21.81	21.91	21.81	23.5	1		
15	QPSK	36	20	21.77	21.84	21.76				
15	QPSK	36	39	21.79	21.84	21.78				
15	QPSK	75	0	21.72	21.91	21.78				
15	HQAM	1	0	21.82	21.97	21.86	23.5	1		
15	HQAM	1	37	21.79	21.91	21.79				
15	HQAM	1	74	21.85	21.86	21.78				
15	HQAM	36	0	20.77	20.91	20.89				
15	HQAM	36	20	20.87	20.88	20.80				
15	HQAM	36	39	20.80	20.82	20.86				
15	HQAM	75	0	20.83	20.96	20.88				
15	HQAM	1	0	20.90</						



Band 38 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.56	22.67	22.84			
20	QPSK	1	49	22.52	22.84	22.57	24	0	
20	QPSK	36	0	22.56	22.66	22.84			
20	QPSK	50	0	21.71	21.77	21.72			
20	QPSK	50	24	21.68	21.71	21.60	23	1	
20	QPSK	100	0	21.65	21.68	21.62			
20	16QAM	1	0	21.59	21.70	21.63	23	1	
20	16QAM	1	46	21.51	21.61	21.61			
20	16QAM	1	99	21.55	21.65	21.60			
20	16QAM	50	0	20.71	20.84	20.70	22	2	
20	16QAM	50	24	20.65	20.74	20.64			
20	16QAM	50	50	20.60	20.70	20.59			
20	16QAM	100	0	20.59	20.67	20.55			
20	16QAM	1	49	20.53	20.68	20.54	22	2	
20	16QAM	1	99	20.56	20.67	20.61			
20	16QAM	50	0	19.75	19.87	19.82			
20	16QAM	50	24	19.67	19.79	19.69			
20	16QAM	50	50	19.67	19.78	19.64			
20	16QAM	100	0	19.54	19.64	19.54			
20	256QAM	1	0	17.63	17.77	17.68			
20	256QAM	1	46	17.55	17.65	17.60	19	5	
20	256QAM	1	99	17.58	17.67	17.60			
20	256QAM	50	0	17.67	17.69	17.71			
20	256QAM	50	24	17.67	17.76	17.72	19	5	
20	256QAM	50	50	17.70	17.78	17.73			
20	256QAM	100	0	17.74	17.84	17.83			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.22	22.41	22.32			
15	QPSK	1	37	22.40	22.57	22.47	24	0	
15	QPSK	1	74	22.43	22.55	22.44			
15	QPSK	36	0	21.63	21.66	21.63			
15	QPSK	36	20	21.59	21.63	21.50	23	1	
15	QPSK	36	39	21.58	21.63	21.58			
15	QPSK	75	0	21.58	21.59	21.52			
15	16QAM	1	0	21.53	21.64	21.52	23	1	
15	16QAM	1	39	21.48	21.65	21.55			
15	16QAM	1	74	21.47	21.59	21.46			
15	16QAM	36	0	20.64	20.74	20.67	22	2	
15	16QAM	36	20	20.52	20.66	20.52			
15	16QAM	36	39	20.52	20.58	20.53			
15	16QAM	75	0	20.53	20.58	20.50			
15	16QAM	1	0	20.27	20.60	20.58	22	2	
15	16QAM	1	37	20.42	20.58	20.48			
15	16QAM	1	74	20.43	20.58	20.52			
15	16QAM	36	0	19.86	19.76	19.87			
15	16QAM	36	20	19.53	19.89	19.58	21	3	
15	16QAM	36	39	19.53	19.84	19.58			
15	16QAM	75	0	19.41	19.54	19.39			
15	256QAM	1	0	17.68	17.79	17.69	19	5	
15	256QAM	1	39	17.68	17.81	17.72			
15	256QAM	1	74	17.62	17.71	17.64			
15	256QAM	36	0	17.81	17.88	17.83	19	5	
15	256QAM	36	20	17.69	17.77	17.78			
15	256QAM	36	39	17.64	17.80	17.69			
15	256QAM	75	0	17.70	17.81	17.73			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.46	22.56	22.52			
10	QPSK	1	25	22.45	22.58	22.48	24	0	
10	QPSK	1	49	22.42	22.55	22.45			
10	QPSK	36	0	21.63	21.66	21.64			
10	QPSK	25	12	21.63	21.60	21.55	23	1	
10	QPSK	25	25	21.56	21.49	21.48			
10	16QAM	1	0	21.52	21.62	21.51	23	1	
10	16QAM	1	25	21.48	21.60	21.53			
10	16QAM	1	46	21.51	21.55	21.54			
10	16QAM	25	0	20.86	20.73	20.62	22	2	
10	16QAM	25	19	20.52	20.69	20.58			
10	16QAM	25	26	20.56	20.57	20.47			
10	16QAM	50	0	20.52	20.59	20.47			
10	16QAM	1	0	20.48	20.70	20.58	22	2	
10	16QAM	1	26	20.41	20.62	20.49			
10	16QAM	1	49	20.47	20.56	20.54			
10	16QAM	25	0	19.84	19.74	19.78			
10	16QAM	25	12	19.81	19.70	19.80	21	3	
10	16QAM	25	25	19.81	19.84	19.82			
10	16QAM	50	0	19.42	19.55	19.42			
10	256QAM	1	0	17.58	17.73	17.67			
10	256QAM	1	25	17.60	17.62	17.61	19	5	
10	256QAM	1	46	17.55	17.65	17.67			
10	256QAM	25	0	17.78	17.86	17.73			
10	256QAM	25	12	17.79	17.73	17.76	19	5	
10	256QAM	25	25	17.74	17.80	17.69			
10	256QAM	50	0	17.74	17.87	17.67			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.45	22.56	22.52			
5	QPSK	1	19	22.46	22.58	22.42	24	0	
5	QPSK	1	24	22.50	22.50	22.48			
5	QPSK	12	0	21.64	21.67	21.66			
5	QPSK	12	7	21.52	21.60	21.49	23	1	
5	QPSK	12	19	21.48	21.50	21.50			
5	QPSK	25	0	21.63	21.63	21.59			
5	QPSK	1	0	21.45	21.67	21.57	23	1	
5	16QAM	1	12	21.43	21.58	21.51			
5	16QAM	1	24	21.46	21.63	21.46			
5	16QAM	12	0	20.85	20.75	20.66	22	2	
5	16QAM	12	7	20.81	20.85	20.68			
5	16QAM	12	13	20.46	20.82	20.53			
5	16QAM	25	0	20.44	20.61	20.40			
5	16QAM	1	0	20.30	20.68	20.52	22	2	
5	16QAM	1	12	20.41	20.56	20.49			
5	16QAM	1	24	20.54	20.62	20.49			
5	16QAM	12	0	19.54	19.74	19.71	21	3	
5	16QAM	12	7	19.57	19.74	19.65			
5	16QAM	12	13	19.61	19.67	19.53			
5	16QAM	25	0	19.51	19.40	19.60			
5	256QAM	1	0	17.64	17.62	17.67	19	5	
5	256QAM	1	12	17.50	17.61	17.61			
5	256QAM	1	24	17.64	17.61	17.61			
5	256QAM	12	0	17.85	17.84	17.78			
5	256QAM	12	7	17.66	17.74	17.72	19	5	
5	256QAM	12	13	17.71	17.74	17.68			
5	256QAM	25	0	17.79	17.84	17.70			

Band 41 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.65	22.72	22.81			
20	QPSK	1	49	22.63	22.81	22.86	24	0	
20	QPSK	36	0	22.66	22.78	22.70			
20	QPSK	50	0	21.77	21.84	21.85			
20	QPSK	50	24	21.71	21.87	21.76	23	5	
20	QPSK	100	0	21.68	21.78	21.85			
20	QPSK	100	0	21.70	21.78	21.84			
20	16QAM	1	0	21.61	21.80	21.85	23	5	
20	16QAM	1	46	21.70	21.83	21.77			
20	16QAM	1	99	21.71	21.88	21.87			
20	16QAM	50	0	20.86	20.76	20.91	22	5	
20	16QAM	50	24	20.74	20.87	20.78			
20	16QAM	50	50	20.69	20.76	20.70			
20	16QAM	100	0	20.63	20.79	20.69			
20	16QAM	1	49	20.50	20.52	20.85	22	5	
20	16QAM	1	99	20.69	20.83	20.87			
20	16QAM	1	99	20.72	20.78	20.65			
20	16QAM	50	0	19.83	19.90	19.87			
20	16QAM	50	24	19.69	19.70	19.76	21	5	
20	16QAM	50	50	19.74	19.72	19.60			
20	16QAM	100	0	19.80	19.73	19.86			
20	256QAM	1	0	17.70	17.76	17.84	19	5	
20	256QAM	1	46	17.65	17.67	17.65			
20									



GSM850 Airt Default							
Tx Channel	Band Average Power (dBm)			Tx Power (dBm)	Frame Average Power (dBm)		
	154.2	154.4	154.6		154.2	154.4	154.6
Frequency (MHz)	154.2	154.4	154.6	154.2	154.4	154.6	
GSM 1 Tx (W)	32.50	33.12	33.64	34.00	23.00	24.12	24.10
GPRS 2 Tx (W)	30.01	30.18	30.42	31.00	24.01	24.18	24.12
GPRS 3 Tx (W)	28.10	28.23	28.38	28.70	23.03	23.97	23.94
GPRS 4 Tx (W)	26.01	26.97	26.94	26.50	23.03	23.97	23.94
EDGE 1 Tx (W)	20.11	20.77	20.38	20.50	17.11	17.77	17.38
EDGE 2 Tx (W)	23.38	23.80	23.88	25.50	17.38	17.88	17.88
EDGE 3 Tx (W)	21.30	21.88	21.44	21.78	17.00	17.88	17.50
EDGE 4 Tx (W)	20.58	21.02	20.81	22.50	17.00	17.82	17.81

GSM1900 Airt Default							
Tx Channel	Band Average Power (dBm)			Tx Power (dBm)	Frame Average Power (dBm)		
	1852.2	1850	1900.8		1850.2	1850	1900.8
Frequency (MHz)	1852.2 <td>1850 <td>1900.8 <td>1850.2 <td>1850 <td>1900.8 <td></td> </td></td></td></td></td>	1850 <td>1900.8 <td>1850.2 <td>1850 <td>1900.8 <td></td> </td></td></td></td>	1900.8 <td>1850.2 <td>1850 <td>1900.8 <td></td> </td></td></td>	1850.2 <td>1850 <td>1900.8 <td></td> </td></td>	1850 <td>1900.8 <td></td> </td>	1900.8 <td></td>	
GSM 1 Tx (W)	30.20	30.31	30.27	31.50	21.00	21.31	21.07
GPRS 2 Tx (W)	30.12	30.23	30.21	31.00	21.12	21.23	21.21
GPRS 3 Tx (W)	28.98	27.03	26.60	28.50	20.98	21.03	20.92
GPRS 4 Tx (W)	25.24	25.32	25.31	26.70	20.98	21.06	21.04
GPRS 5 Tx (W)	24.24	24.37	24.38	25.50	21.24	21.37	21.38
EDGE 1 Tx (W)	22.04	22.16	22.21	23.00	16.04	16.16	16.21
EDGE 2 Tx (W)	22.11	22.20	22.21	23.00	16.11	16.20	16.21
EDGE 3 Tx (W)	20.20	20.38	20.55	21.70	16.03	16.12	16.30
EDGE 4 Tx (W)	19.50	19.60	19.23	20.50	16.00	16.00	16.23

Band	WCDMA II Airt DSS			WCDMA IV Airt DSS			WCDMA V Airt DSS		
	1502	1600	1638	1512	1613	1513	4102	4162	4203
Band	1502	1600	1638	1512	1613	1513	4102	4162	4203
Frequency (MHz)	1502.4	1600	1638.6	1512.4	1613.4	1513.6	4102.4	4162.4	4203.6
SCPP Rel 99	22.20	22.28	22.21	23.80	22.98	23.11	23.00	24.10	23.27
SCPP Rel 99	22.20	22.28	22.21	23.80	22.98	23.11	23.00	24.10	23.27
SCPP Rel 99	21.38	21.38	21.38	22.80	22.23	22.23	23.70	22.52	22.43
SCPP Rel 99	21.36	21.42	21.36	22.80	22.07	22.21	23.70	22.51	22.50
SCPP Rel 99	20.70	20.81	20.81	22.30	21.67	21.81	21.60	22.00	21.83
SCPP Rel 99	21.12	21.10	21.10	22.80	22.04	22.24	23.70	22.61	22.50
SCPP Rel 99	21.12	21.25	21.56	22.80	22.03	22.17	23.70	22.58	22.46
SCPP Rel 99	20.70	20.60	20.60	22.30	21.60	21.66	21.60	22.00	21.84
SCPP Rel 99	20.70	20.77	20.60	22.30	21.60	21.79	21.60	22.10	21.87
SCPP Rel 99	21.36	21.24	21.44	22.80	22.17	22.21	23.70	22.47	22.50
SCPP Rel 99	19.44	19.44	19.50	20.00	20.70	20.70	21.00	20.41	20.20
SCPP Rel 99	20.15	20.36	20.52	21.80	21.11	21.01	21.08	21.58	21.44
SCPP Rel 99	19.13	19.30	19.83	20.80	20.05	20.08	21.10	20.38	20.32
SCPP Rel 99	21.24	21.41	21.43	22.80	22.27	22.17	22.00	22.81	22.41
SCPP Rel 99	18.21	18.81	18.37	20.30	19.64	19.78	19.80	20.52	19.95



Band 2 Ant1 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Time-up (sec)	MPE (dB)	UPE (dB)
Channel									
1860 1860 1960									
20	QPSK	1	0	22.62	22.63	22.58		23.8	0
20	QPSK	1	49	22.42	22.44	22.43		23.8	0
20	QPSK	1	99	22.42	22.44	22.43		23.8	0
20	QPSK	50	0	22.24	22.23	22.25		23.8	0
20	QPSK	50	24	21.86	21.87	21.87		23.8	0
20	QPSK	50	50	22.28	22.27	22.19		23.8	0
20	QPSK	100	0	22.28	22.28	22.25		23.8	0
20	QPSK	100	50	22.33	22.33	22.28		23.8	0
20	QPSK	1	49	22.00	22.01	22.20		23.8	0
20	16QAM	1	99	22.14	22.28	22.19		23.8	0
20	16QAM	50	0	21.77	21.77	21.81		23.8	0
20	16QAM	50	24	21.84	21.78	21.75		23.8	0.5
20	16QAM	50	50	21.90	21.87	21.85		23.8	0.5
20	16QAM	100	0	21.86	21.88	21.79		23.8	0.5
20	16QAM	100	50	21.80	21.80	21.84		23.8	0.5
20	64QAM	1	49	21.49	21.71	21.58		23.3	0.5
20	64QAM	50	0	21.66	21.66	21.78		23.3	0.5
20	64QAM	50	24	20.99	20.92	20.99		23.3	1.5
20	64QAM	50	50	20.78	20.82	20.74		23.3	1.5
20	256QAM	1	49	19.87	19.87	19.87		20.3	3.5
20	256QAM	1	99	19.90	20.07	20.04		20.3	3.5
20	256QAM	50	0	20.52	20.73	20.63		20.3	3.5
20	256QAM	50	24	20.16	20.08	20.08		20.3	3.5
20	256QAM	50	50	19.72	19.95	19.99		20.3	3.5
20	256QAM	100	0	19.82	20.02	20.01		20.3	3.5
Channel									
1875 1890 1925									
15	QPSK	1	0	22.81	22.82	22.80		23.8	0
15	QPSK	1	37	22.13	22.18	22.23		23.8	0
15	QPSK	1	74	22.33	22.45	22.43		23.8	0
15	QPSK	36	0	22.14	22.20	22.23		23.8	0
15	QPSK	36	25	21.84	21.90	21.90		23.8	0
15	QPSK	36	39	21.96	22.18	22.29		23.8	0
15	QPSK	75	0	22.18	22.24	22.16		23.8	0
15	QPSK	75	0	22.23	22.23	22.18		23.8	0
15	16QAM	1	37	21.92	22.13	22.09		23.8	0
15	16QAM	1	74	21.66	21.66	21.74		23.8	0
15	16QAM	36	0	21.69	21.79	21.74		23.3	0.5
15	16QAM	36	29	21.72	21.70	21.68		23.3	0.5
15	16QAM	75	0	21.48	21.63	21.69		23.3	0.5
15	64QAM	1	0	21.68	21.77	21.77		23.3	0.5
15	64QAM	1	37	21.38	21.43	21.40		23.3	0.5
15	64QAM	1	74	21.57	21.55	21.57		23.3	0.5
15	64QAM	36	0	20.85	20.73	20.67		22.3	1.5
15	64QAM	36	29	20.65	20.69	20.64		22.3	1.5
15	64QAM	36	39	20.60	20.65	20.63		22.3	1.5
15	64QAM	75	0	20.77	20.73	20.76		22.3	1.5
15	256QAM	1	0	19.86	19.86	19.86		20.3	3.5
15	256QAM	1	37	19.56	19.87	19.87		20.3	3.5
15	256QAM	1	74	19.81	19.95	19.95		20.3	3.5
15	256QAM	36	0	20.06	20.06	20.01		20.3	3.5
15	256QAM	36	29	20.05	19.97	19.97		20.3	3.5
15	256QAM	36	39	19.85	19.87	19.90		20.3	3.5
15	256QAM	75	0	19.78	19.87	19.90		20.3	3.5
Channel									
1860 1890 1925									
10	QPSK	1	0	22.60	22.63	22.61		23.8	0
10	QPSK	1	25	22.16	22.24	22.24		23.8	0
10	QPSK	1	49	22.34	22.43	22.43		23.8	0
10	QPSK	25	0	21.85	21.88	21.88		23.8	0
10	QPSK	25	25	21.96	22.18	22.10		23.8	0
10	QPSK	50	0	22.24	22.28	22.17		23.8	0
10	16QAM	1	25	21.90	22.12	22.07		23.8	0
10	16QAM	25	0	21.66	21.66	21.72		23.8	0
10	16QAM	25	12	21.74	21.71	21.68		23.3	0.5
10	16QAM	25	37	21.38	21.58	21.60		23.3	0.5
10	16QAM	50	0	21.45	21.65	21.69		23.3	0.5
10	64QAM	1	0	21.69	21.81	21.72		23.3	0.5
10	64QAM	1	25	21.38	21.38	21.40		23.3	0.5
10	64QAM	1	49	21.56	21.56	21.69		23.3	0.5
10	64QAM	25	0	20.67	20.74	20.69		22.3	1.5
10	64QAM	25	12	20.52	20.64	20.62		22.3	1.5
10	64QAM	50	0	20.75	20.69	20.72		22.3	1.5
10	256QAM	1	0	19.86	19.86	19.86		20.3	3.5
10	256QAM	1	25	19.59	19.90	19.90		20.3	3.5
10	256QAM	1	49	19.82	19.95	19.95		20.3	3.5
10	256QAM	25	0	20.05	20.04	20.04		20.3	3.5
10	256QAM	25	12	20.06	19.98	19.99		20.3	3.5
10	256QAM	25	25	19.83	19.82	19.86		20.3	3.5
10	256QAM	50	0	19.78	19.86	19.89		20.3	3.5
Channel									
1825 1890 1925									
5	QPSK	1	0	22.60	22.63	22.61		23.8	0
5	QPSK	1	12	22.17	22.25	22.20		23.8	0
5	QPSK	1	24	22.35	22.43	22.41		23.8	0
5	QPSK	12	0	22.14	22.18	22.18		23.8	0
5	QPSK	12	7	21.89	22.03	21.97		23.8	0
5	QPSK	12	13	21.96	22.18	22.12		23.8	0
5	QPSK	25	0	22.14	22.25	22.17		23.8	0
5	QPSK	50	0	22.28	22.28	22.14		23.8	0
5	16QAM	1	12	21.89	22.08	22.09		23.8	0
5	16QAM	12	0	21.43	21.62	21.65		23.3	0.5
5	16QAM	12	7	21.75	21.70	21.63		23.3	0.5
5	16QAM	25	0	21.48	21.65	21.66		23.3	0.5
5	64QAM	1	0	21.68	21.79	21.72		23.3	0.5
5	64QAM	12	0	21.39	21.60	21.63		23.3	0.5
5	64QAM	12	7	21.55	21.54	21.67		23.3	0.5
5	64QAM	12	0	20.67	20.71	20.66		22.3	1.5
5	64QAM	12	7	20.51	20.52	20.68		22.3	1.5
5	64QAM	12	13	20.81	20.63	20.81		22.3	1.5
5	64QAM	25	0	20.73	20.78	20.74		22.3	1.5
5	256QAM	1	0	19.85	19.86	19.86		20.3	3.5
5	256QAM	1	12	19.56	19.89	19.87		20.3	3.5
5	256QAM	1	24	19.79	19.99	19.95		20.3	3.5
5	256QAM	12	0	20.01	20.06	20.01		20.3	3.5
5	256QAM	12	7	20.04	20.01	19.99		20.3	3.5
5	256QAM	12	13	19.82	19.83	19.86		20.3	3.5
5	256QAM	25	0	19.78	19.85	19.83		20.3	3.5
Channel									
1815 1890 1925									
3	QPSK	1	0	22.63	22.65	22.65		23.8	0
3	QPSK	1	8	22.13	22.32	22.34		23.8	0
3	QPSK	1	14	22.34	22.45	22.41		23.8	0
3	QPSK	8	0	22.17	22.23	22.20		23.8	0
3	QPSK	8	4	21.89	22.05	21.99		23.8	0
3	QPSK	8	7	21.97	22.15	22.11		23.8	0
3	QPSK	15	0	22.18	22.28	22.18		23.8	0
3	16QAM	1	0	22.23	22.29	22.18		23.8	0
3	16QAM	1	8	21.88	22.10	22.10		23.8	0
3	16QAM	1	14	22.05	22.19	22.22		23.8	0
3	16QAM	8	0	21.66	21.80	21.73		23.3	0.5
3	16QAM	8	4	21.75	21.67	21.63		23.3	0.5
3	16QAM	8	7	21.39	21.60	21.63		23.3	0.5
3	64QAM	1	0	21.71	21.78	21.71		23.3	0.5
3	64QAM	1	8	21.40	21.58	21.59		23.3	0.5
3	64QAM	1	14	21.55	21.59	21.68		23.3	0.5
3	64QAM	8	0	20.67	20.74	20.68		22.3	1.5
3	64QAM	8	4	20.52	20.63	20.47		22.3	1.5
3	64QAM	8	7	20.67	20.66	20.63		22.3	1.5
3	64QAM	15	0	20.73	20.72	20.74		22.3	1.5
3	256QAM	1	0	19.86	19.86	19.86		20.3	3.5
3	256QAM	1	8	19.58	19.90	19.88		20.3	3.5
3	256QAM	1	14	19.81					









**CDMA1X Rev2 Default**

CDMA1X	Rx Channel			Tx Power Limit (dBm)	Tx Power Limit (dBm)		
	935.2	961	988		1992.2	1992	1992.8
Frequency (MHz)	1992.2	1990	1990.8	1992	1992	1992.8	
DPHS 1 Tx Rate	30.27	30.35	30.25	31.00	21.27	21.35	21.25
DPHS 2 Tx Rate	28.50	27.02	28.86	28.00	20.50	21.02	20.86
DPHS 3 Tx Rate	29.80	29.80	29.81	29.50	21.84	21.43	21.25
DPHS 4 Tx Rate	24.45	24.56	24.42	25.00	21.48	21.58	21.52
EDGE 1 Tx Rate	25.58	25.77	25.61	26.00	18.38	18.77	18.61
EDGE 2 Tx Rate	22.38	22.47	22.33	23.50	16.38	16.47	16.33
EDGE 3 Tx Rate	26.81	26.78	26.80	27.75	18.27	18.28	18.24
EDGE 4 Tx Rate	18.58	18.61	18.58	20.50	15.56	15.61	15.58

**WCDMA H and DS0**

Rx Channel	WCDMA H			Tx Power Limit (dBm)	WCDMA H and DS0		
	9362	9460	9538		1932	1933	1933
Frequency (MHz)	1936.2	1940	1936.8	1932	1932	1933	
SCPP Rel 06	22.52	22.73	22.67	23.50	22.21	22.23	22.23
SCPP Rel 08	22.67	22.82	22.69	23.50	22.24	22.33	22.28
SCPP Rel 8	21.41	21.83	21.52	22.50	21.17	21.28	21.28
SCPP Rel 8	21.20	21.62	21.41	22.50	21.24	21.25	21.21
SCPP Rel 8	20.57	21.02	21.15	22.00	20.65	20.80	20.79
SCPP Rel 8	21.04	21.00	21.12	22.00	20.71	20.86	20.84
SCPP Rel 8	21.53	21.49	21.54	22.50	21.08	21.18	21.17
SCPP Rel 8	20.50	20.98	21.08	22.00	20.62	20.73	20.72
SCPP Rel 8	21.48	21.47	21.52	22.50	20.67	20.68	20.67
SCPP Rel 8	19.52	19.08	19.50	20.50	18.50	18.92	19.01
SCPP Rel 8	20.35	20.81	20.72	21.50	19.63	19.84	19.91
SCPP Rel 8	19.25	19.06	19.18	20.50	18.21	18.33	18.12
SCPP Rel 8	21.41	21.37	21.51	22.50	21.05	21.01	20.88
SCPP Rel 8	18.93	19.06	19.02	20.00	18.28	18.53	18.45





Band 38 Ant2 DSI3

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

Band 41 Ant2 DSI3

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







Reduced Power Mode for DS14

QRM80	GSM850 Avtd Default			Time-up			Flatten/Recharge Power (dBm)			Time-up
	Band	Rate	Power (dBm)	15m	30m	45m	842.2	846.4	848.8	15m
TS Channel	128	480	24	34.00	34.00	34.00	23.98	24.00	24.02	23.98
Frequency (MHz)	842.2	846.4	848.8				842.2	846.4	848.8	
DRM 1 Tx Wd	32.00	32.00	32.00	34.00	34.00	34.00	23.98	24.00	24.02	23.98
OPRS 1 Tx Wd	29.57	29.57	29.57	34.00	34.00	34.00	23.91	24.01	23.97	23.97
OPRS 2 Tx Wd	29.80	29.88	29.85	34.00	34.00	34.00	23.80	23.88	23.85	23.80
OPRS 3 Tx Wd	27.81	27.80	27.81	34.00	34.00	34.00	23.50	23.60	23.60	23.54
OPRS 4 Tx Wd	28.41	28.66	28.20	33.00	33.00	33.00	23.63	23.66	23.66	23.50
EDGE 1 Tx Wd	25.50	25.11	25.50	24.80	24.80	24.80	18.00	17.78	18.00	18.00
EDGE 2 Tx Wd	23.57	23.09	23.53	24.80	24.80	24.80	18.07	17.09	18.03	18.80
EDGE 3 Tx Wd	21.50	21.63	21.62	23.00	23.00	23.00	17.52	17.37	17.58	18.74
EDGE 4 Tx Wd	20.51	20.50	19.90	21.80	21.80	21.80	17.01	17.08	18.00	18.80

Band	WCDMA V Avtd Default			Time-up		
	TS Channel	Rate	Power (dBm)	15m	30m	45m
TS Channel	4152	4182	4224	34.00	34.00	34.00
Frequency (MHz)	842.4	848.4	848.8			
SCPP Rel B	AMR 12.2kbit	24.50	24.22	24.10	23.00	
SCPP Rel B	AMR 12.2kbit	24.22	24.22	24.10	23.00	
SCPP Rel B	HSPA Subclass-1	23.74	23.24	23.00	24.00	
SCPP Rel B	HSPA Subclass-2	23.10	23.18	23.21	24.00	
SCPP Rel B	HSPA Subclass-3	22.76	22.83	22.77	23.50	
SCPP Rel B	HSPA Subclass-4	22.71	22.84	22.78	23.50	
SCPP Rel B	DCH-HSPA Subclass-1	23.20	23.33	23.04	24.00	
SCPP Rel B	DCH-HSPA Subclass-2	23.20	23.16	23.00	24.00	
SCPP Rel B	DCH-HSPA Subclass-3	22.78	22.87	22.80	23.50	
SCPP Rel B	DCH-HSPA Subclass-4	22.72	22.73	22.58	23.50	
SCPP Rel B	HSPA Subclass-1	23.20	23.09	23.16	24.00	
SCPP Rel B	HSPA Subclass-2	21.94	21.21	21.20	22.00	
SCPP Rel B	HSPA Subclass-3	22.10	22.18	22.10	23.00	
SCPP Rel B	HSPA Subclass-4	21.11	21.07	21.20	23.00	
SCPP Rel B	HSPA Subclass-5	23.10	23.06	23.22	24.00	
SCPP Rel B	HSPA (TDD) Subclass-1	20.60	20.72	20.60	21.50	









GSM900 Art Default								
Band	Band Average Power (dBm)			Turn-up	Flattening Power (dBm)		Turn-up	
TX Channel	158	159	161	160	158	159	161	
Frequency (MHz)	854.2	854.4	854.8	(dBm)	854.2	854.4	854.8	
OSM 1 Tx min	32.56	32.22	31.12	34.00	31.58	24.22	24.13	25.00
OPRS 1 Tx min	33.00	33.12	33.04	34.00	33.00	24.12	24.04	25.00
OSM 2 Tx min	30.01	30.16	30.12	31.80	24.01	24.18	24.12	25.00
OPRS 2 Tx min	29.99	29.20	29.16	30.10	23.99	23.97	23.99	25.04
OSM 4 Tx min	28.91	28.97	28.94	28.00	23.91	23.97	23.94	25.00
EDGE 1 Tx min	25.71	25.77	25.76	28.00	17.71	17.77	17.76	18.00
EDGE 2 Tx min	23.78	23.80	23.88	25.00	17.78	17.80	17.88	18.00
EDGE 3 Tx min	21.78	21.80	21.84	23.00	17.78	17.80	17.84	18.00
EDGE 4 Tx min	20.88	20.82	20.81	22.00	17.88	17.82	17.81	18.00

GSM1900 Art Default								
Band	Band Average Power (dBm)			Turn-up	Flattening Power (dBm)		Turn-up	
TX Channel	1851.2	1851	1850.8	1850	1851.2	1851	1850.8	
Frequency (MHz)	1851.2	1851	1850.8	(dBm)	1851.2	1851	1850.8	
OSM 1 Tx min	30.02	30.21	30.27	31.00	21.02	21.01	21.27	22.00
OPRS 1 Tx min	30.12	30.21	30.27	31.00	21.12	21.01	21.27	22.00
OSM 2 Tx min	28.96	27.03	26.92	28.00	20.96	21.03	20.92	22.00
OPRS 2 Tx min	29.24	26.92	25.11	28.10	20.98	21.06	20.85	22.44
OSM 4 Tx min	24.24	24.27	24.16	25.00	21.24	21.17	21.16	22.00
EDGE 1 Tx min	22.55	22.41	22.31	24.00	16.55	16.39	16.31	17.00
EDGE 2 Tx min	20.11	20.20	20.31	23.00	16.11	16.20	16.31	17.00
EDGE 3 Tx min	20.29	20.38	20.58	21.10	16.03	16.12	16.30	17.44
EDGE 4 Tx min	19.00	19.00	19.23	20.00	16.00	16.00	16.23	17.00

Band	WCDMA II Art DSA			WCDMA IV Art DSA			WCDMA V Art DSA			
	1882	1880	1878	1812	1810	1808	4152	4150	4148	
TX Channel	1882	1880	1878	1812	1810	1808	4152	4150	4148	
Frequency (MHz)	1882.4	1880	1877.6	1812.4	1810	1807.6	4152.4	4150	4147.6	
ISPP PWR0	22.25	22.28	22.21	23.80	22.88	23.11	23.00	24.10	23.27	23.35
ISPP PWR1	22.30	22.24	22.31	23.80	22.11	22.23	23.09	24.10	23.30	23.40
ISPP PWR2	21.18	21.38	21.38	22.80	21.88	22.23	22.08	23.10	22.52	22.48
ISPP PWR3	21.30	21.42	21.39	22.80	22.00	22.21	23.10	22.62	22.61	22.50
ISPP PWR4	20.73	20.82	20.81	22.80	21.57	21.61	21.82	22.80	22.08	21.83
ISPP PWR5	21.22	21.30	21.30	22.80	22.04	22.24	23.11	22.83	22.14	22.30
ISPP PWR6	21.12	21.20	21.16	22.80	22.03	22.17	22.17	23.10	22.58	22.87
ISPP PWR7	20.72	20.80	20.80	22.80	21.60	21.64	21.86	22.80	22.10	21.86
ISPP PWR8	20.70	20.77	20.80	22.80	21.60	21.62	21.79	22.80	21.62	21.87
ISPP PWR9	21.39	21.24	21.44	22.80	22.17	22.21	22.22	23.10	22.47	22.69
ISPP PWR10	19.44	19.44	19.92	20.00	19.00	19.25	21.10	20.95	19.47	20.90
ISPP PWR11	20.15	20.38	20.52	21.80	21.11	21.01	21.08	22.10	21.54	21.32
ISPP PWR12	19.13	19.30	19.43	20.00	20.00	20.00	21.10	20.75	20.30	20.30
ISPP PWR13	21.34	21.41	21.43	22.80	22.27	22.17	22.03	23.10	22.61	22.52
ISPP PWR14	18.21	18.81	18.77	20.00	19.84	19.18	19.97	20.00	20.52	19.99









GSM1900 ANZ Default							
CDMA1900	Burst Average Power (dBm)			Time-up Limit	Power-Average Power (dBm)		Time-up Limit
TX Channel	812	868	916	(dBm)	1952	1968	1984
Frequency (MHz)	1852.2	1868	1883.8		1952.2	1968	1983.8
OMBS 1 Tx Wk	30.33	30.30	30.29	31.00	21.33	21.33	21.50
OMBS 1 Tx Wk	30.27	30.30	30.26	31.00	21.27	21.35	21.25
OMBS 2 Tx Wk	26.80	27.60	26.88	28.00	20.90	21.02	20.88
OMBS 3 Tx Wk	25.80	26.60	25.51	26.20	21.34	21.43	21.25
OMBS 4 Tx Wk	24.48	24.60	24.32	25.00	21.48	21.58	21.32
EDGE 1 Tx Wk	25.56	25.71	25.63	26.25	18.53	18.77	18.63
EDGE 2 Tx Wk	22.38	22.47	22.33	23.00	18.38	18.47	18.33
EDGE 3 Tx Wk	26.33	26.78	26.69	27.00	18.27	18.32	18.24
EDGE 4 Tx Wk	18.58	18.67	18.58	20.50	15.58	15.61	15.58

WCDMA II ANZ Default				WCDMA IV ANZ Default				
Slot	WCDMA II			Time-up Limit	WCDMA IV			Time-up Limit
TX Channel	9482	9400	9338	(dBm)	1412	1418	1418	(dBm)
Frequency (MHz)	1852.1	1868	1883.8		1412.1	1418	1418	
ISPP Rel 99	AMR 12.2kps	24.34	24.30	24.28	25.00	24.23	24.30	24.17
ISPP Rel 99	AMR 12.2kps	24.40	24.43	24.33	25.00	24.31	24.38	24.28
ISPP Rel 6	HSPA Subslot 1	23.35	23.40	23.27	24.00	23.42	23.39	23.19
ISPP Rel 6	HSPA Subslot 2	23.54	23.55	23.50	24.00	23.57	23.51	23.54
ISPP Rel 6	HSPA Subslot 3	23.03	22.85	22.88	23.50	23.04	22.88	22.85
ISPP Rel 6	HSPA Subslot 4	23.03	23.05	22.71	23.50	22.83	22.76	22.49
ISPP Rel 6	DC-HSPA Subslot 1	23.47	23.55	23.33	24.00	23.55	23.33	23.17
ISPP Rel 6	DC-HSPA Subslot 2	23.35	23.40	23.38	24.00	23.27	23.43	23.11
ISPP Rel 6	DC-HSPA Subslot 3	23.10	22.95	22.95	23.50	22.95	22.81	22.61
ISPP Rel 6	DC-HSPA Subslot 4	22.86	23.02	22.85	23.50	22.81	22.81	22.73
ISPP Rel 6	HSPA Subslot 1	23.48	23.52	23.48	24.00	23.47	23.32	23.28
ISPP Rel 6	HSPA Subslot 2	21.63	21.41	21.21	22.00	21.35	21.44	21.26
ISPP Rel 6	HSPA Subslot 3	22.51	22.50	22.38	23.00	22.38	22.36	22.39
ISPP Rel 6	HSPA Subslot 4	21.49	21.38	21.21	22.00	21.66	21.40	21.27
ISPP Rel 6	HSPA Subslot 5	23.47	23.30	23.27	24.00	23.38	23.36	23.33
ISPP Rel 7	HSPA (HSDPA) Subslot 1	21.05	21.00	20.80	21.00	20.93	20.78	20.84

### Band 2 Ant2 Default

BW (MHz)	Modulation	RB Siza	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Time-up (min)	MPR (dB)
20	QPSK	1	0	24.31	24.49	24.40	25.2	0
20	QPSK	1	99	24.22	24.27	24.19	25.2	0
20	QPSK	50	0	23.28	23.40	23.36	24.2	1
20	QPSK	50	99	23.33	23.38	23.30	24.2	1
20	QPSK	100	0	23.23	23.27	23.33	24.2	1
20	QPSK	100	99	23.22	23.29	23.36	24.2	1
20	16QAM	1	49	23.37	23.37	23.34	24.2	1
20	16QAM	1	99	23.19	23.33	23.29	24.2	1
20	16QAM	50	0	22.28	22.24	22.40	23.2	2
20	16QAM	50	24	22.29	22.36	22.32	23.2	2
20	16QAM	50	24	22.28	22.24	22.19	23.2	2
20	16QAM	100	0	22.26	22.21	22.28	23.2	2
20	16QAM	100	0	22.28	22.26	22.36	23.2	2
20	16QAM	1	99	22.16	22.24	22.10	23.2	2
20	16QAM	1	99	22.18	22.20	22.27	23.2	2
20	16QAM	50	0	21.31	21.39	21.31	22.2	3
20	16QAM	50	24	21.19	21.33	21.19	22.2	3
20	16QAM	100	0	21.33	21.35	21.33	22.2	3
20	16QAM	100	0	21.37	21.45	21.34	22.2	3
20	256QAM	1	0	19.44	19.46	19.50	20.2	5
20	256QAM	1	99	19.42	19.46	19.35	20.2	5
20	256QAM	1	99	19.39	19.50	19.38	20.2	5
20	256QAM	50	0	19.16	19.25	19.13	20.2	5
20	256QAM	50	24	19.23	19.31	19.25	20.2	5
20	256QAM	50	24	19.26	19.32	19.18	20.2	5
20	256QAM	50	24	19.22	19.29	19.24	20.2	5

### Band 4 Ant2 Default

BW (MHz)	Modulation	RB Siza	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Time-up (min)	MPR (dB)
20	QPSK	1	0	24.27	24.20	24.32	25.2	0
20	QPSK	1	99	24.18	24.08	24.32	25.2	0
20	QPSK	1	99	24.27	24.08	24.34	25.2	0
20	QPSK	50	0	23.39	23.43	23.34	24.2	1
20	QPSK	50	99	23.30	23.30	23.30	24.2	1
20	QPSK	50	50	23.19	23.27	23.87	24.2	1
20	QPSK	100	0	23.38	23.43	23.37	24.2	1
20	QPSK	100	99	23.29	23.29	23.38	24.2	1
20	16QAM	1	49	23.37	23.37	23.34	24.2	1
20	16QAM	1	99	23.85	23.85	23.93	24.2	1
20	16QAM	50	0	22.87	22.92	22.94	23.2	2
20	16QAM	50	24	22.73	22.75	22.75	23.2	2
20	16QAM	50	24	22.76	22.80	22.82	23.2	2
20	16QAM	100	0	22.97	22.93	22.96	23.2	2
20	16QAM	100	0	22.97	22.96	22.90	23.2	2
20	16QAM	1	49	22.97	22.92	22.90	23.2	2
20	16QAM	1	99	22.97	22.92	22.96	23.2	2
20	16QAM	50	0	21.74	21.80	21.81	22.2	3
20	16QAM	100	0	21.87	21.87	21.81	22.2	3
20	16QAM	100	0	21.87	21.84	21.84	22.2	3
20	256QAM	1	99	19.77	19.82	19.81	20.2	5
20	256QAM	50	0	19.89	19.90	19.84	20.2	5
20	256QAM	50	24	19.81	19.89	19.81	20.2	5
20	256QAM	50	24	19.87	19.82	19.87	20.2	5
20	256QAM	50	24	19.87	19.82	19.84	20.2	5

### Band 7 Ant2 Default

BW (MHz)	Modulation	RB Siza	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Time-up (min)	MPR (dB)
20	QPSK	1	0	24.23	24.26	24.25	25.2	0
20	QPSK	1	99	24.18	24.08	24.32	25.2	0
20	QPSK	1	99	24.28	24.08	24.34	25.2	0
20	QPSK	50	0	23.44	23.43	23.43	24.2	1
20	QPSK	50	99	23.46	23.42	23.50	24.2	1
20	QPSK	50	50	23.24	23.07	23.98	24.2	1
20	QPSK	100	0	23.41	23.43	23.39	24.2	1
20	QPSK	100	99	23.39	23.32	23.49	24.2	1
20	16QAM	1	49	23.42	23.42	23.40	24.2	1
20	16QAM	1	99	24.22	24.28	24.15	24.2	1
20	16QAM	50	0	22.99	22.95	22.99	23.2	2
20	16QAM	50	24	22.91	22.90	22.85	23.2	2
20	16QAM	50	24	22.91	22.94	22.86	23.2	2
20	16QAM	100	0	22.91	22.91	22.92	23.2	2
20	16QAM	100	0	22.97	22.92	22.94	23.2	2
20	16QAM	1	49	22.97	22.92	22.89	23.2	2
20	16QAM	1	99	22.97	22.92	22.90	23.2	2
20	16QAM	50	0	21.96	21.89	21.99	22.2	3
20	16QAM	100	0	22.09	22.13	22.06	22.2	3
20	16QAM	100	0	22.09	22.13	22.06	22.2	3
20	256QAM	1	99	19.98	20.07	19.92	20.2	5
20	256QAM	50	0	20.06	20.12	19.99	20.2	5
20	256QAM	50	24	19.98	20.04	19.99	20.2	5
20	256QAM	50	24	19.93	20.01	19.94	20.2	5
20	256QAM	50	24	19.91	19.96	19.89	20.2	5
20	256QAM	50	24	19.92	19.96	19.96	20.2	5

### Band 66 Ant2 Default

BW (MHz)	Modulation	RB Siza	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Time-up (min)	MPR (dB)
20	QPSK	1	0	24.26	24.26	24.24	25.2	0
20	QPSK	1	99	24.17	24.07	24.27	25.2	0
20	QPSK	50	0	23.24	23.40	23.37	24.2	1
20	QPSK	50	99	23.26	23.32	23.82	24.2	1
20	QPSK	50	50	23.06	22.97	23.98	24.2	1
20	QPSK	100	0	23.24	23.40	23.34	24.2	1
20	QPSK	100	99	23.18	23.26	23.82	24.2	1
20	16QAM	1	49	23.21	23.21	23.25	24.2	1
20	16QAM	1	99	23.98	23.60	23.86	24.2	1
20	16QAM	50	0	22.79	22.82	22.85	23.2	2
20	16QAM	50	24	22.78	22.82	22.85	23.2	2
20	16QAM	100	0	22.87	22.86	22.83	23.2	2
20	16QAM	100	0	22.87	22.82	22.84	23.2	2
20	16QAM	1	49	22.92	22.86	22.84	23.2	2
20	16QAM	1	99	22.92	22.86	22.84	23.2	2
20	16QAM	50	0	21.87	21.91	21.84	22.2	3
20	16QAM	100	0	21.87	21.92	21.82	22.2	3
20	16QAM	100	0	21.87	21.92	21.82	22.2	3
20	256QAM	1	99	19.95	20.10	20.00	20.2	5
20	256QAM	50	0	19.92	20.03	20.13	20.2	5
20	256QAM	50	24	19.71	19.85	19.75	20.2	5
20	256QAM	50	24	19.72	19.80	19.70	20.2	5
20	256QAM	50	24	19.74	19.82	19.84	20.2	5











Reduced Power Mode for DSIS

	GSM850 Amd Default			7.5Wm Average Power (dBm)			Turn-up Limit (dBm)
	15W	18W	20W	18W	18W	20W	
DSIS0							
TX Channel	854.2	854.4	854.8	14.00	14.2	14.8	14.00
Frequency (MHz)	854.2	854.4	854.8	14.00	14.2	14.8	14.00
DRBS 1 Tx Watt	32.01	33.01	32.96	34.00	33.91	34.01	33.96
DRBS 2 Tx Watt	29.80	29.88	29.85	31.00	29.80	29.85	29.80
DRBS 3 Tx Watt	27.81	27.86	27.89	29.25	29.35	29.40	29.34
DRBS 4 Tx Watt	26.43	26.46	26.56	28.00	28.63	28.56	28.00
EDGE 1 Tx Watt	25.99	26.13	25.96	27.25	18.00	17.13	18.00
EDGE 2 Tx Watt	25.97	26.09	25.89	24.80	18.07	17.09	18.80
EDGE 3 Tx Watt	24.88	24.88	24.88	23.00	17.50	17.50	18.00
EDGE 4 Tx Watt	20.01	20.02	20.06	21.85	17.01	17.05	18.00

	WCDMA V Amd Default			Turn-up Limit (dBm)
	4192	4192	4243	
DSIS				
TX Channel	4192	4192	4243	14.00
Frequency (MHz)	4192	4192	4243	14.00
SCPP Rel 99	AMR 12.2kps	24.15	24.22	24.10
SCPP Rel 99	AMR 12.2kps	24.02	24.22	24.18
SCPP Rel 8	HSPA Subclass 1	23.14	23.24	23.09
SCPP Rel 8	HSPA Subclass 2	22.25	22.25	22.01
SCPP Rel 8	HSPA Subclass 3	22.76	22.83	22.77
SCPP Rel 8	HSPA Subclass 4	22.71	22.84	22.76
SCPP Rel 8	DC-HSPA Subclass 1	23.20	23.23	23.04
SCPP Rel 8	DC-HSPA Subclass 2	23.20	23.16	23.09
SCPP Rel 8	DC-HSPA Subclass 3	22.76	22.87	22.89
SCPP Rel 8	DC-HSPA Subclass 4	22.72	22.73	22.48
SCPP Rel 8	HSPA Subclass 1	22.22	22.08	21.14
SCPP Rel 8	HSPA Subclass 2	21.84	21.71	21.20
SCPP Rel 8	HSPA Subclass 3	22.15	22.18	22.18
SCPP Rel 8	HSPA Subclass 4	21.11	21.07	21.05
SCPP Rel 8	HSPA Subclass 5	23.10	23.08	23.22
SCPP Rel 7	HSPA V(DS-SS) Subclass 1	20.00	20.72	20.00







GSM900 Art DBS							
Band	Band Average Power (dBm)			Tune-up	Flattening Power (dBm)		Tune-up
TX Channel	188	190	191	191	190	189	191
Frequency (MHz)	854.2	854.4	854.8	(dBm)	854.2	854.4	854.8
OPRS 1 Tx.wat	30.54	30.62	30.49	32.40	21.54	21.68	21.49
OPRS 2 Tx.wat	27.44	27.53	27.54	29.40	21.44	21.53	21.54
OPRS 3 Tx.wat	29.72	29.78	29.77	27.60	21.46	21.60	21.55
OPRS 4 Tx.wat	28.44	28.52	28.45	26.40	21.44	21.52	21.45
EDGE 1 Tx.wat	25.71	25.77	25.76	28.50	17.71	17.77	17.76
EDGE 2 Tx.wat	23.78	23.86	23.88	25.50	17.78	17.86	17.88
EDGE 3 Tx.wat	21.78	21.89	21.84	23.50	17.78	17.89	17.84
EDGE 4 Tx.wat	25.88	25.92	25.91	22.50	17.89	17.92	17.91

GSM1900 Art DBS							
Band	Band Average Power (dBm)			Tune-up	Flattening Power (dBm)		Tune-up
TX Channel	1851.2	1851	1850.8	1851	1850.2	1850	1850.8
Frequency (MHz)	1851.2	1851	1850.8	(dBm)	1850.2	1850	1850.8
DSSE 1 Tx.wat	26.06	26.06	26.06	30.50	20.04	20.06	20.06
OPRS 1 Tx.wat	25.94	25.92	25.95	30.50	19.94	19.92	19.95
OPRS 2 Tx.wat	26.91	26.93	26.92	27.50	20.91	20.93	20.92
OPRS 3 Tx.wat	26.21	24.24	24.15	25.70	19.95	19.98	19.94
OPRS 4 Tx.wat	25.11	25.12	25.04	24.50	20.11	20.12	19.94
EDGE 1 Tx.wat	25.52	25.31	25.31	24.50	16.52	16.31	17.52
EDGE 2 Tx.wat	25.11	22.20	22.31	23.50	16.11	16.20	16.31
EDGE 3 Tx.wat	25.29	25.28	25.28	21.70	16.03	16.12	16.30
EDGE 4 Tx.wat	19.00	19.00	19.23	20.50	16.00	16.00	19.23

Band	WCDMA II Art DBS			WCDMA IV Art DBS			WCDMA V Art DBS			
	9682	9690	9698	1912	1913	1913	4152	4162	4253	
TX Channel	9682	9690	9698	1912	1913	1798	4152	4407	4468	
Frequency (MHz)	9682.4	9690	9697.6	1912.4	1913.6	1798.4	4152.4	4407.6	4468.8	
JGPP Pwr.9	20.15	20.33	20.15	21.80	21.25	21.51	21.28	22.08	20.31	20.42
JGPP Pwr.9	20.37	20.23	20.19	21.80	21.43	21.03	21.48	22.00	20.35	20.55
JGPP Pwr.8	19.33	19.59	19.48	20.80	20.31	20.44	20.30	21.80	19.48	19.20
JGPP Pwr.8	19.47	19.56	19.59	20.80	20.44	20.53	20.86	21.80	19.91	19.73
JGPP Pwr.8	19.01	19.05	19.10	20.30	20.00	19.92	20.10	19.92	19.13	18.72
JGPP Pwr.8	19.07	19.07	19.15	20.30	19.85	19.88	19.97	21.10	19.92	19.13
JGPP Pwr.8	19.32	19.47	19.62	20.80	20.21	20.51	20.49	21.80	19.59	19.71
JGPP Pwr.8	19.42	19.59	19.60	20.80	20.24	20.48	20.47	21.80	19.60	19.71
JGPP Pwr.8	19.56	19.59	19.59	20.30	19.84	19.81	19.84	21.10	19.23	19.11
JGPP Pwr.8	19.82	19.88	19.09	20.30	19.91	20.08	20.02	21.10	19.84	19.82
JGPP Pwr.8	19.82	19.97	19.81	20.80	20.30	20.47	20.37	21.80	19.84	19.92
JGPP Pwr.8	17.87	17.93	17.89	19.80	18.31	18.29	18.55	19.00	17.66	17.58
JGPP Pwr.8	18.35	18.61	18.77	19.80	19.40	19.26	19.33	20.80	18.73	18.40
JGPP Pwr.8	17.41	17.81	17.71	18.80	18.40	18.48	18.29	19.80	17.46	17.81
JGPP Pwr.8	19.44	19.60	19.64	20.80	20.44	20.47	20.47	21.80	19.71	19.83
JGPP Pwr.7	18.84	17.17	17.84	18.30	17.81	18.13	17.99	19.10	17.25	17.00







Band 7 Ant1 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPE (dB)	
Channel									
	Frequency (MHz)			2610	2638	2660			
20	QPSK	1	0	18.33	18.43	18.46			
20	QPSK	1	49	18.31	18.43	18.46	17.5	0	
20	QPSK	1	99	18.20	18.40	18.42			
20	QPSK	50	0	18.18	18.42	18.38			
20	QPSK	50	24	18.19	18.38	18.33	17.5	0	
20	QPSK	50	50	18.31	18.34	18.33			
20	QPSK	100	0	18.28	18.27	18.21			
20	16QAM	1	0	18.18	18.37	18.47	17.5	0	
20	16QAM	1	49	18.21	18.43	18.46			
20	16QAM	1	99	18.31	18.45	18.28			
20	16QAM	50	0	18.28	18.34	18.35	17.5	0	
20	16QAM	50	24	18.18	18.44	18.47			
20	16QAM	50	50	18.27	18.31	18.41	17.5	0	
20	16QAM	100	0	18.23	18.40	18.42			
20	64QAM	1	0	18.18	18.44	18.47	17.5	0	
20	64QAM	1	49	18.22	18.22	18.26			
20	64QAM	50	0	18.12	18.31	18.39	17.5	0	
20	64QAM	50	24	18.19	18.43	18.30			
20	64QAM	50	50	18.23	18.24	18.30	17.5	0	
20	64QAM	100	0	18.19	18.30	18.23			
20	256QAM	1	49	18.10	18.30	18.41	17.5	0	
20	256QAM	1	99	18.30	18.42	18.41			
20	256QAM	50	0	18.28	18.22	18.26			
20	256QAM	50	24	18.19	18.23	18.38	17.5	0	
20	256QAM	50	50	18.15	18.11	18.37			
20	256QAM	100	0	18.14	18.23	18.30			
Channel									
	Frequency (MHz)			2695	2700	2705	Turn-up (dB)	MPE (dB)	
15	QPSK	1	0	18.34	18.33	18.31			
15	QPSK	1	37	18.18	18.28	18.27	17.5	0	
15	QPSK	1	74	18.05	18.23	18.24			
15	QPSK	36	0	18.37	18.33	18.27			
15	QPSK	36	20	18.05	18.26	18.18	17.5	0	
15	QPSK	36	39	18.17	18.24	18.26			
15	QPSK	75	0	18.15	18.16	18.15			
15	16QAM	1	0	18.05	18.30	18.37	17.5	0	
15	16QAM	1	37	18.12	18.23	18.40			
15	16QAM	1	74	18.29	18.29	18.35	17.5	0	
15	16QAM	36	0	18.11	18.27	18.18			
15	16QAM	36	20	18.03	18.39	18.41	17.5	0	
15	16QAM	75	0	18.28	18.27	18.20			
15	64QAM	1	0	18.01	18.38	18.37	17.5	0	
15	64QAM	1	37	18.10	18.20	18.33			
15	64QAM	1	74	18.06	18.30	18.43	17.5	0	
15	64QAM	36	0	18.09	18.20	18.25			
15	64QAM	36	20	18.09	18.44	18.36	17.5	0	
15	64QAM	36	39	18.24	18.20	18.25			
15	64QAM	75	0	18.21	18.08	18.21	17.5	0	
15	256QAM	1	37	18.10	18.28	18.13			
15	256QAM	1	74	18.05	18.10	18.23	17.5	0	
15	256QAM	1	74	18.27	18.21	18.37			
15	256QAM	36	0	18.03	18.20	18.07	17.5	0	
15	256QAM	36	20	18.08	18.11	18.33			
15	256QAM	36	39	18.09	18.00	18.32	17.5	0	
15	256QAM	75	0	18.04	18.20	18.34			
Channel									
	Frequency (MHz)			2695	2695	2695	Turn-up (dB)	MPE (dB)	
10	QPSK	1	0	18.23	18.40	18.27			
10	QPSK	1	25	18.13	18.34	18.28	17.5	0	
10	QPSK	1	49	18.12	18.31	18.40			
10	QPSK	25	0	18.17	18.28	18.38	17.5	0	
10	QPSK	25	14	18.10	18.40	18.27			
10	QPSK	25	25	18.31	18.22	18.34	17.5	0	
10	QPSK	50	0	18.10	18.30	18.15			
10	16QAM	1	0	18.12	18.18	18.37	17.5	0	
10	16QAM	1	25	18.03	18.35	18.29			
10	16QAM	1	49	18.05	18.20	18.36	17.5	0	
10	16QAM	25	0	18.18	18.30	18.20			
10	16QAM	25	14	18.20	18.24	18.28	17.5	0	
10	16QAM	25	25	18.12	18.24	18.16			
10	16QAM	50	0	18.29	18.37	18.23			
10	64QAM	1	0	18.07	18.25	18.39	17.5	0	
10	64QAM	1	25	18.03	18.33	18.07			
10	64QAM	1	49	18.08	18.30	18.43	17.5	0	
10	64QAM	25	0	18.09	18.18	18.35			
10	64QAM	25	14	18.04	18.40	18.20	17.5	0	
10	64QAM	25	25	18.11	18.14	18.09			
10	64QAM	50	0	18.09	18.03	18.15			
10	256QAM	1	25	18.05	18.01	18.30	17.5	0	
10	256QAM	1	25	18.07	18.20	18.20			
10	256QAM	1	49	18.12	18.22	18.22	17.5	0	
10	256QAM	25	0	18.08	18.13	18.13			
10	256QAM	25	14	18.17	18.19	18.16	17.5	0	
10	256QAM	25	25	18.09	18.10	18.19			
10	256QAM	50	0	18.04	18.10	18.27			
Channel									
	Frequency (MHz)			2695	2695	2695	Turn-up (dB)	MPE (dB)	
5	QPSK	1	0	18.27	18.47	18.27			
5	QPSK	1	12	18.27	18.30	18.24	17.5	0	
5	QPSK	1	24	18.09	18.30	18.30			
5	QPSK	12	0	18.14	18.31	18.33	17.5	0	
5	QPSK	12	7	18.00	18.34	18.20			
5	QPSK	12	13	18.29	18.17	18.18	17.5	0	
5	QPSK	25	0	18.15	18.00	18.12			
5	16QAM	1	0	18.10	18.20	18.35	17.5	0	
5	16QAM	1	12	18.03	18.35	18.38			
5	16QAM	1	24	18.18	18.24	18.17	17.5	0	
5	16QAM	12	0	18.22	18.27	18.32			
5	16QAM	12	7	18.00	18.30	18.36	17.5	0	
5	16QAM	12	13	18.05	18.24	18.35			
5	16QAM	25	0	18.21	18.29	18.30			
5	64QAM	1	0	18.03	18.44	18.41	17.5	0	
5	64QAM	1	12	18.07	18.23	18.28			
5	64QAM	1	24	18.09	18.32	18.21	17.5	0	
5	64QAM	12	0	18.01	18.25	18.31			
5	64QAM	12	7	18.08	18.23	18.17	17.5	0	
5	64QAM	12	13	18.27	18.04	18.18			
5	64QAM	25	0	18.18	18.10	18.06			
5	256QAM	1	0	18.08	18.10	18.29	17.5	0	
5	256QAM	1	12	18.03	18.18	18.41			
5	256QAM	1	24	18.23	18.38	18.37	17.5	0	
5	256QAM	12	0	18.10	18.04	18.22			
5	256QAM	12	7	18.10	18.14	18.05	17.5	0	
5	256QAM	12	13	18.00	18.03	18.04			
5	256QAM	25	0	18.16	18.05	18.21			

Band 66 Ant1 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPE (dB)	
Channel									
	Frequency (MHz)			1700	1745	1775			
20	QPSK	1	0	22.30	22.34	22.24			
20	QPSK	1	49	22.03	22.14	22.18	23.2	0	
20	QPSK	1	99	22.01	22.33	22.18			
20	QPSK	50	0	22.11	22.27	22.15			
20	QPSK	50	24	22.01	22.14	22.00	23.2	0	
20	QPSK	50	50	22.15	22.19	22.11			
20	QPSK	100	0	22.08	22.15	22.06			
20	16QAM	1	0	22.00	22.19	22.18	17.5	0	
20	16QAM	1	49	22.02	22.33	22.12			
20	16QAM	1	99	21.98	22.19	22.13	17.5	0	
20	16QAM	50	0	21.99	22.22	22.17			
20	16QAM	50	24	22.05	22.19	22.13	23.2	0	
20	16QAM	50	50	22.11	22.27	22.12			
20	16QAM	100	0	22.04	22.29	22.11			
20	64QAM	1	0	22.09	22.33	22.13	17.5	0	
20	64QAM	1	49	22.05	22.24	22.05			
20	64QAM	50	0	21.97	22.28	22.08	17.5	0	
20	64QAM	50	24	21.78	21.78				



Band 38 Ant1 DS15										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.48	18.74	18.76	19	0		
20	QPSK	1	49	18.53	18.85	18.87	19	0		
20	QPSK	30	99	18.54	18.73	18.81	19	0		
20	QPSK	50	0	18.34	18.30	18.49	19	0		
20	QPSK	50	24	18.34	18.37	18.59	19	0		
20	QPSK	50	24	18.34	18.54	18.41	19	0		
20	QPSK	100	0	18.42	18.53	18.36	19	0		
20	16QAM	1	0	18.35	18.52	18.38	19	0		
20	16QAM	1	49	18.40	18.60	18.38	19	0		
20	16QAM	1	99	18.40	18.53	18.36	19	0		
20	16QAM	50	0	18.39	18.58	18.45	19	0		
20	16QAM	50	24	18.38	18.56	18.50	19	0		
20	16QAM	50	50	18.44	18.56	18.25	19	0		
20	16QAM	100	0	18.39	18.52	18.36	19	0		
20	16QAM	100	0	18.39	18.52	18.36	19	0		
20	16QAM	100	24	18.37	18.68	18.29	19	0		
20	16QAM	50	50	18.40	18.63	18.37	19	0		
20	16QAM	100	0	18.39	18.53	18.32	19	0		
20	16QAM	100	0	18.38	18.53	18.32	19	0		
20	256QAM	1	0	18.35	18.55	18.40	19	0		
20	256QAM	1	49	18.34	18.84	18.54	19	0		
20	256QAM	1	99	18.50	18.52	18.51	19	0		
20	256QAM	30	0	18.49	18.54	18.41	19	0		
20	256QAM	50	24	18.37	18.58	18.49	19	0		
20	256QAM	50	50	18.38	18.53	18.53	19	0		
20	256QAM	100	0	18.37	18.51	18.34	19	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.44	18.32	18.29	19	0		
15	QPSK	1	37	18.43	18.57	18.59	19	0		
15	QPSK	1	74	18.30	18.37	18.43	19	0		
15	QPSK	30	0	18.45	18.47	18.47	19	0		
15	QPSK	36	20	18.33	18.49	18.49	19	0		
15	QPSK	36	39	18.39	18.46	18.48	19	0		
15	QPSK	75	0	18.39	18.39	18.20	19	0		
15	16QAM	1	0	18.32	18.33	18.33	19	0		
15	16QAM	1	37	18.34	18.46	18.46	19	0		
15	16QAM	1	74	18.38	18.36	18.26	19	0		
15	16QAM	36	0	18.37	18.53	18.23	19	0		
15	16QAM	36	39	18.40	18.43	18.25	19	0		
15	16QAM	75	0	18.23	18.54	18.26	19	0		
15	16QAM	75	0	18.23	18.55	18.28	19	0		
15	16QAM	1	37	18.41	18.52	18.30	19	0		
15	16QAM	74	0	18.40	18.49	18.23	19	0		
15	16QAM	36	0	18.37	18.53	18.42	19	0		
15	16QAM	36	20	18.37	18.50	18.12	19	0		
15	16QAM	36	39	18.37	18.46	18.16	19	0		
15	16QAM	75	0	18.40	18.38	18.49	19	0		
15	256QAM	1	0	18.22	18.45	18.34	19	0		
15	256QAM	1	37	18.38	18.53	18.43	19	0		
15	256QAM	1	74	18.35	18.43	18.39	19	0		
15	256QAM	36	0	18.30	18.32	18.21	19	0		
15	256QAM	36	20	18.35	18.42	18.22	19	0		
15	256QAM	36	39	18.38	18.33	18.34	19	0		
15	256QAM	75	0	18.44	18.62	18.21	19	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.26	18.13	18.10	19	0		
10	QPSK	1	25	18.48	18.63	18.52	19	0		
10	QPSK	1	49	18.39	18.53	18.48	19	0		
10	QPSK	12	0	18.21	18.62	18.51	19	0		
10	QPSK	25	12	18.18	18.42	18.54	19	0		
10	QPSK	25	25	18.21	18.41	18.31	19	0		
10	16QAM	1	0	18.27	18.47	18.14	19	0		
10	16QAM	1	25	18.30	18.44	18.59	19	0		
10	16QAM	25	0	18.32	18.32	18.29	19	0		
10	16QAM	25	0	18.26	18.40	18.25	19	0		
10	16QAM	25	12	18.28	18.50	18.31	19	0		
10	16QAM	25	25	18.43	18.46	18.24	19	0		
10	16QAM	50	0	18.21	18.47	18.17	19	0		
10	16QAM	1	0	18.23	18.57	18.23	19	0		
10	16QAM	1	25	18.28	18.62	18.38	19	0		
10	16QAM	1	49	18.47	18.42	18.24	19	0		
10	16QAM	25	12	18.18	18.62	18.31	19	0		
10	16QAM	25	25	18.18	18.50	18.46	19	0		
10	16QAM	50	0	18.36	18.53	18.38	19	0		
10	256QAM	1	0	18.18	18.43	18.37	19	0		
10	256QAM	1	25	18.17	18.69	18.34	19	0		
10	256QAM	1	49	18.47	18.36	18.49	19	0		
10	256QAM	25	0	18.31	18.39	18.38	19	0		
10	256QAM	25	12	18.29	18.50	18.24	19	0		
10	256QAM	25	25	18.20	18.50	18.50	19	0		
10	256QAM	50	0	18.30	18.66	18.38	19	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.40	18.56	18.28	19	0		
5	QPSK	1	12	18.50	18.73	18.51	19	0		
5	QPSK	1	24	18.32	18.53	18.38	19	0		
5	QPSK	12	0	18.34	18.43	18.65	19	0		
5	QPSK	12	7	18.22	18.45	18.59	19	0		
5	QPSK	12	12	18.23	18.39	18.41	19	0		
5	QPSK	24	0	18.30	18.47	18.35	19	0		
5	QPSK	24	0	18.28	18.37	18.15	19	0		
5	16QAM	1	12	18.51	18.61	18.41	19	0		
5	16QAM	1	24	18.26	18.55	18.36	19	0		
5	16QAM	12	0	18.25	18.46	18.26	19	0		
5	16QAM	12	7	18.27	18.48	18.49	19	0		
5	16QAM	12	12	18.25	18.51	18.24	19	0		
5	16QAM	24	0	18.33	18.34	18.32	19	0		
5	16QAM	1	0	18.25	18.38	18.25	19	0		
5	16QAM	1	12	18.36	18.50	18.31	19	0		
5	16QAM	1	24	18.39	18.49	18.33	19	0		
5	16QAM	12	0	18.24	18.60	18.34	19	0		
5	16QAM	24	0	18.35	18.53	18.20	19	0		
5	16QAM	12	12	18.20	18.62	18.49	19	0		
5	16QAM	24	0	18.38	18.51	18.36	19	0		
5	256QAM	1	0	18.28	18.57	18.24	19	0		
5	256QAM	1	12	18.16	18.64	18.52	19	0		
5	256QAM	1	24	18.40	18.53	18.26	19	0		
5	256QAM	12	0	18.35	18.50	18.24	19	0		
5	256QAM	12	7	18.27	18.41	18.42	19	0		
5	256QAM	12	12	18.15	18.48	18.44	19	0		
5	256QAM	24	0	18.25	18.51	18.15	19	0		

Band 41 Ant1 DS15										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.25	18.52	18.54	19.2	0		
20	QPSK	1	49	18.27	17.97	18.15	18.01	18.17		
20	QPSK	30	0	18.08	18.01	18.28	18.04	18.20		
20	QPSK	50	0	18.05	18.14	18.31	17.95	18.24		
20	QPSK	50	24	18.07	18.10	18.27	18.06	18.20		
20	QPSK	50	24	18.04	18.23	18.37	18.01	18.21		
20	QPSK	100	0	18.04	17.98	18.23	18.07	18.17		
20	16QAM	1	0	18.04	17.93	18.12	18.03	18.22		
20	16QAM	1	49	18.20	17.85	18.13	17.98	17.88		
20	16QAM	1	99	18.05	17.95	18.12	17.90	18.16		
20	16QAM	50	0	18.05	18.06	17.97	17.92	18.00		
20	16QAM	50	24	18.07	18.00	18.11	17.97	18.15		
20	16QAM	50	50	18.08	17.80	18.14	17.95	18.04		
20	16QAM	100	0	17.97	17.90	18.05	17.95	18.03		
20	16QAM	100	0	17.95	18.10	18.11	17.93	18.00		
20	16QAM	1	49	18.24	17.94	18.24	18.00	18.04		
20	16QAM	1	99	18.13	18.00	18.16	17.95	18.03		
20	16QAM	50	0	17.89	18.00	18.10	17.78	18.04		
20	16QAM	50	24	17.85	17.95	18.13	17.93	18.06		
20	16QAM	50	50	18.08	17.92	18.10	17.94	18.02		
20	16QAM	100	0	18.11	17.90	18.26	17.86	18.11		
20	256QAM	1	0	17.83	17.85	18.06	17.97	18.10		
20	256QAM	1	49	18.08	17.85	18.14	17.85	18.08		
20	256QAM	1	99	18.00	17.86	17.90	17.92	18.11		
20	256QAM	30	0	17.87	17.89	18.00	18.00	18.09		
20	256QAM	50	24	18.15	17.84	18.13	17.94	18.15		
20	256QAM	50	50	17.89	17.79	18.12	18.01	17.96		
20	256QAM	100	0	18.03	18.12	18.30	18.00	18.08		
Channel										
Frequency (MHz)										
16	QPSK	1	0	18.04	18.12	18.10	19.2	0		
16	QPSK	1	37	18.17	17.83	17.95	17.90	17.98		
16	QPSK	1	74	18.07	17.98					



**GBM100 Arel Default**

Cell	Band Average Power (dBm)			Turn-up Limit (dBm)	Frame Average Power (dBm)			Turn-up Limit (dBm)
	1920	1960	1970		1920	1960	1970	
Frequency (MHz)	1955.2	1960	1965.8		1955.2	1960	1965.8	
OPRS 1 Tx Watt	30.27	30.35	30.25	31.00	31.27	31.38	31.25	32.00
OPRS 2 Tx Watt	26.90	27.02	26.81	28.00	28.90	29.02	28.86	29.00
OPRS 3 Tx Watt	24.80	24.89	24.91	26.00	26.84	26.93	26.95	27.04
OPRS 4 Tx Watt	24.48	24.58	24.52	25.00	26.48	26.58	26.52	27.00
EDGE 1 Tx Watt	23.59	23.77	23.63	25.00	26.09	26.77	26.63	27.00
EDGE 2 Tx Watt	22.38	22.47	22.33	23.00	24.38	24.47	24.33	25.00
EDGE 3 Tx Watt	18.53	18.58	18.68	20.00	19.27	19.32	19.44	20.00
EDGE 4 Tx Watt	18.36	18.61	18.38	20.00	19.58	19.81	19.54	20.00

**WCDMA II Arel OSS**

Cell	WCDMA II			Turn-up Limit (dBm)	WCDMA IV Arel OSS			Turn-up Limit (dBm)
	9602	9600	9698		1932	1413	1613	
Frequency (MHz)	1955.2	1960	1970.8		1932	1413	1798	
ISPP Rel 99	22.85	22.73	22.87	23.00	22.21	22.26	22.23	23.00
ISPP Rel 99	22.87	22.81	22.80	23.00	22.24	22.31	22.28	23.00
ISPP Rel 8	21.44	21.83	21.52	22.00	21.17	21.28	21.28	22.00
ISPP Rel 8	21.58	21.85	21.67	22.00	21.24	21.35	21.35	22.00
ISPP Rel 8	20.97	21.02	21.15	22.00	20.85	20.89	20.79	21.00
ISPP Rel 8	21.04	21.00	21.12	22.00	20.71	20.88	20.84	21.00
ISPP Rel 8	21.33	21.59	21.54	22.00	21.08	21.14	21.17	22.00
ISPP Rel 8	21.35	21.50	21.70	22.00	21.18	21.30	21.50	22.00
ISPP Rel 8	20.92	21.13	21.00	22.00	20.75	20.71	20.74	21.00
ISPP Rel 8	20.50	20.98	21.08	22.00	20.82	20.73	20.72	21.00
ISPP Rel 8	21.48	21.47	21.58	22.00	21.27	20.82	20.82	22.00
ISPP Rel 8	19.82	19.58	19.87	20.00	19.82	19.38	19.61	20.00
ISPP Rel 8	20.38	20.61	20.72	21.00	19.93	19.84	19.81	21.00
ISPP Rel 8	19.75	19.58	19.78	20.00	19.87	19.59	19.72	20.00
ISPP Rel 8	21.44	21.57	21.54	22.00	21.08	21.01	20.88	22.00
ISPP Rel 7	18.50	19.00	18.58	20.00	18.39	18.53	18.45	19.00

Band 2 Ant2 DSIs									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Hsp. / Freq.	Power Mtd. / Freq.	Turn-up Time (min)	MPR (dB)	
Channel									
	Frequency (MHz)			1860	1868	1900			
20	QPSK	1	0	23.49	23.27	23.55			
20	QPSK	1	49	23.57	23.35	23.79			
20	QPSK	1	99	23.23	23.28	23.26			
20	QPSK	50	0	23.11	23.47	23.33			
20	QPSK	50	50	23.30	23.31	23.29			
20	QPSK	50	99	23.06	23.09	23.23			
20	QPSK	100	0	23.25	23.42	23.41			
20	QPSK	100	50	23.19	23.39	23.30			
20	QPSK	100	99	23.19	23.15	23.10			
20	QPSK	150	0	23.25	23.40	23.33			
20	QPSK	150	50	23.25	23.31	23.29			
20	QPSK	150	99	23.21	23.17	23.09			
20	QPSK	150	150	23.05	23.09	23.17			
20	QPSK	1	0	22.74	22.81	22.88			
20	QPSK	1	49	22.92	22.89	22.92			
20	QPSK	1	99	22.95	22.91	22.89			
20	QPSK	50	0	21.92	22.16	22.10			
20	QPSK	50	50	21.81	22.16	22.11			
20	QPSK	50	99	21.95	21.98	21.99			
20	QPSK	100	0	21.75	21.81	21.91			
20	QPSK	100	50	21.90	21.92	21.93			
20	QPSK	100	99	21.86	21.84	21.85			
20	QPSK	150	0	19.84	19.87	19.83			
20	QPSK	150	50	19.85	19.87	19.89			
20	QPSK	150	99	19.92	19.94	20.04			
20	QPSK	150	150	19.91	19.88	19.96			
20	QPSK	150	199	19.91	19.89	19.91			
Channel									
	Frequency (MHz)			1865	1869	1915			
15	QPSK	1	0	23.17	23.45	23.43			
15	QPSK	1	49	23.20	23.27	23.28			
15	QPSK	1	99	23.17	23.22	23.18			
15	QPSK	36	0	22.97	23.32	23.18			
15	QPSK	36	36	23.22	23.18	23.18			
15	QPSK	36	72	23.09	23.02	23.16			
15	QPSK	75	0	23.12	23.07	23.04			
15	QPSK	75	36	23.18	23.07	23.08			
15	QPSK	150	0	23.09	23.09	23.04			
15	QPSK	150	72	23.05	23.01	23.00			
15	QPSK	150	144	22.98	22.80	22.74			
15	QPSK	36	252	22.80	22.73	22.73			
15	QPSK	36	504	22.85	22.81	22.80			
15	QPSK	75	0	22.81	22.87	22.72			
15	QPSK	75	36	22.75	22.71	22.71			
15	QPSK	75	72	22.78	22.75	22.75			
15	QPSK	36	0	21.78	22.12	22.03			
15	QPSK	36	36	21.86	22.04	22.04			
15	QPSK	36	72	21.94	21.93	21.93			
15	QPSK	75	0	21.86	21.84	21.83			
15	QPSK	75	36	21.79	21.93	21.73			
15	QPSK	75	0	21.78	21.82	21.78			
15	QPSK	150	0	19.84	19.84	19.84			
15	QPSK	150	72	19.84	19.84	19.82			
15	QPSK	150	144	19.75	19.85	19.76			
15	QPSK	150	216	19.85	19.82	19.83			
15	QPSK	150	288	19.85	19.82	19.83			
15	QPSK	150	360	19.85	19.82	19.83			
15	QPSK	150	432	19.85	19.82	19.83			
15	QPSK	150	504	19.75	19.80	19.80			
15	QPSK	150	576	19.75	19.80	19.80			
15	QPSK	150	648	19.75	19.80	19.80			
15	QPSK	150	720	19.75	19.80	19.80			
15	QPSK	150	792	19.75	19.80	19.80			
15	QPSK	150	864	19.75	19.80	19.80			
15	QPSK	150	936	19.75	19.80	19.80			
15	QPSK	150	1008	19.75	19.80	19.80			
15	QPSK	150	1080	19.75	19.80	19.80			
15	QPSK	150	1152	19.75	19.80	19.80			
15	QPSK	150	1224	19.75	19.80	19.80			
15	QPSK	150	1296	19.75	19.80	19.80			
15	QPSK	150	1368	19.75	19.80	19.80			
15	QPSK	150	1440	19.75	19.80	19.80			
15	QPSK	150	1512	19.75	19.80	19.80			
15	QPSK	150	1584	19.75	19.80	19.80			
15	QPSK	150	1656	19.75	19.80	19.80			
15	QPSK	150	1728	19.75	19.80	19.80			
15	QPSK	150	1800	19.75	19.80	19.80			
15	QPSK	150	1872	19.75	19.80	19.80			
15	QPSK	150	1944	19.75	19.80	19.80			
15	QPSK	150	2016	19.75	19.80	19.80			
15	QPSK	150	2088	19.75	19.80	19.80			
15	QPSK	150	2160	19.75	19.80	19.80			
15	QPSK	150	2232	19.75	19.80	19.80			
15	QPSK	150	2304	19.75	19.80	19.80			
15	QPSK	150	2376	19.75	19.80	19.80			
15	QPSK	150	2448	19.75	19.80	19.80			
15	QPSK	150	2520	19.75	19.80	19.80			
15	QPSK	150	2592	19.75	19.80	19.80			
15	QPSK	150	2664	19.75	19.80	19.80			
15	QPSK	150	2736	19.75	19.80	19.80			
15	QPSK	150	2808	19.75	19.80	19.80			
15	QPSK	150	2880	19.75	19.80	19.80			
15	QPSK	150	2952	19.75	19.80	19.80			
15	QPSK	150	3024	19.75	19.80	19.80			
15	QPSK	150	3096	19.75	19.80	19.80			
15	QPSK	150	3168	19.75	19.80	19.80			
15	QPSK	150	3240	19.75	19.80	19.80			
15	QPSK	150	3312	19.75	19.80	19.80			
15	QPSK	150	3384	19.75	19.80	19.80			
15	QPSK	150	3456	19.75	19.80	19.80			
15	QPSK	150	3528	19.75	19.80	19.80			
15	QPSK	150	3600	19.75	19.80	19.80			
15	QPSK	150	3672	19.75	19.80	19.80			
15	QPSK	150	3744	19.75	19.80	19.80			
15	QPSK	150	3816	19.75	19.80	19.80			
15	QPSK	150	3888	19.75	19.80	19.80			
15	QPSK	150	3960	19.75	19.80	19.80			
15	QPSK	150	4032	19.75	19.80	19.80			
15	QPSK	150	4104	19.75	19.80	19.80			
15	QPSK	150	4176	19.75	19.80	19.80			
15	QPSK	150	4248	19.75	19.80	19.80			
15	QPSK	150	4320	19.75	19.80	19.80			
15	QPSK	150	4392	19.75	19.80	19.80			
15	QPSK	150	4464	19.75	19.80	19.80			
15	QPSK	150	4536	19.75	19.80	19.80			
15	QPSK	150	4608	19.75	19.80	19.80			
15	QPSK	150	4680	19.75	19.80	19.80			
15	QPSK	150	4752	19.75	19.80	19.80			
15	QPSK	150	4824	19.75	19.80	19.80			
15	QPSK	150	4896	19.75	19.80	19.80			
15	QPSK	150	4968	19.75	19.80	19.80			
15	QPSK	150	5040	19.75	19.80	19.80			
15	QPSK	150	5112	19.75	19.80	19.80			
15	QPSK	150	5184	19.75	19.80	19.80			
15	QPSK	150	5256	19.75	19.80	19.80			
15	QPSK	150	5328	19.75	19.80	19.80			
15	QPSK	150	5400	19.75	19.80	19.80			
15	QPSK	150	5472	19.75	19.80	19.80			
15	QPSK	150	5544	19.75	19.80	19.80			
15	QPSK	150	5616	19.75	19.80	19.80			
15	QPSK	150	5688	19.75	19.80	19.80			
15	QPSK	150	5760	19.75	19.80	19.80			
15	QPSK	150	5832	19.75	19.80	19.80			
15	QPSK	150	5904	19.75	19.80	19.80			
15	QPSK	150	5976	19.75	19.80	19.80			
15	QPSK	150	6048						



Band 38 Ant2 DSIS										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				38750	38900	38150				
20	QPSK	1	0	22.01	22.15	21.80				
20	QPSK	1	49	22.07	21.87	22.11	22.7	0		
20	QPSK	50	24	21.99	22.16	22.16				
20	QPSK	50	0	22.07	22.14	22.00				
20	QPSK	50	24	21.95	22.09	21.93	22.7	0		
20	QPSK	100	0	21.81	22.10	22.05				
20	HQAM	1	0	21.87	22.03	21.94	22.7	0		
20	HQAM	1	49	21.90	22.11	21.81				
20	HQAM	1	99	21.90	21.91	22.07				
20	HQAM	50	0	21.88	22.01	22.02				
20	HQAM	50	24	22.05	21.98	21.98	22.7	0		
20	HQAM	100	0	21.90	22.11	21.93				
20	HQAM	100	0	22.09	21.82	21.86				
20	HQAM	1	49	21.84	21.80	21.96	22.7	0		
20	HQAM	1	99	21.86	21.80	21.87				
20	HQAM	50	24	22.05	21.78	21.98				
20	HQAM	100	0	21.87	22.17	22.03	22.7	0		
20	HQAM	100	0	21.83	21.99	21.80				
20	SSBAM	1	0	19.92	20.07	19.98				
20	SSBAM	1	49	20.00	20.02	20.23	20.7	2		
20	SSBAM	1	99	19.96	20.17	20.19				
20	SSBAM	50	0	20.00	20.21	19.99				
20	SSBAM	50	24	19.98	19.97	20.22	20.7	2		
20	SSBAM	50	50	19.95	20.10	20.12				
20	SSBAM	100	0	20.00	20.00	19.98				
Channel										
Frequency (MHz)				38725	38900	38175	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	22.12	22.14	21.74				
15	QPSK	1	37	21.88	21.86	21.87	22.7	0		
15	QPSK	1	74	21.70	22.04	22.07				
15	QPSK	36	0	21.86	22.06	21.98				
15	QPSK	36	20	21.96	21.93	21.72	22.7	0		
15	QPSK	36	39	21.97	21.98	21.88				
15	QPSK	75	0	21.83	22.10	21.94				
15	HQAM	1	0	21.89	22.03	21.88	22.7	0		
15	HQAM	1	37	21.81	21.76	21.88				
15	HQAM	1	74	21.78	21.83	21.92				
15	HQAM	36	0	21.88	21.90	21.81				
15	HQAM	36	20	21.96	21.81	21.74	22.7	0		
15	HQAM	36	39	21.91	22.01	21.94				
15	HQAM	75	0	21.89	21.87	21.89				
15	HQAM	75	0	21.85	22.01	21.94	22.7	0		
15	HQAM	1	37	21.89	21.78	21.94				
15	HQAM	1	74	21.85	21.96	21.71				
15	HQAM	36	0	21.82	21.88	21.92				
15	HQAM	36	20	21.92	21.86	21.77	22.7	0		
15	HQAM	36	39	21.77	21.76	21.88				
15	HQAM	75	0	21.78	21.83	21.82				
15	SSBAM	1	0	19.78	19.88	19.88	20.7	2		
15	SSBAM	1	37	20.06	20.06	20.15				
15	SSBAM	1	74	19.78	20.15	20.00				
15	SSBAM	36	0	19.85	20.22	19.95				
15	SSBAM	36	20	19.85	19.97	20.02	20.7	2		
15	SSBAM	36	39	19.85	20.05	19.92				
15	SSBAM	75	0	19.89	20.00	19.86				
Channel										
Frequency (MHz)				38725	38900	38150	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.08	22.06	22.07				
10	QPSK	1	25	21.99	21.92	22.04	22.7	0		
10	QPSK	1	49	21.92	22.08	22.03				
10	QPSK	12	0	21.98	22.05	21.86				
10	QPSK	25	12	21.77	21.90	21.77	22.7	0		
10	QPSK	25	25	21.84	21.72	21.88				
10	HQAM	1	0	21.78	21.87	21.86	22.7	0		
10	HQAM	1	25	21.70	22.03	21.81				
10	HQAM	1	49	21.87	21.73	21.93				
10	HQAM	25	0	21.89	21.85	21.89				
10	HQAM	25	12	21.96	21.89	21.74	22.7	0		
10	HQAM	25	25	21.83	22.02	21.75				
10	HQAM	50	0	21.99	21.87	21.88				
10	HQAM	50	0	21.76	22.03	22.06	22.7	0		
10	HQAM	1	25	21.84	21.84	21.82	22.7	0		
10	HQAM	1	49	21.81	21.97	21.83				
10	HQAM	25	0	21.83	22.13	21.82				
10	HQAM	25	12	21.85	21.80	21.99	22.7	0		
10	HQAM	25	25	21.93	21.86	21.91				
10	HQAM	50	0	21.89	21.88	21.79				
10	SSBAM	1	0	19.91	20.08	19.95	20.7	2		
10	SSBAM	1	49	19.75	20.06	20.09				
10	SSBAM	25	0	19.89	20.02	19.97				
10	SSBAM	25	12	19.94	19.94	20.14	20.7	2		
10	SSBAM	25	25	19.85	20.11	20.04				
10	SSBAM	50	0	19.80	20.10	19.74				
Channel										
Frequency (MHz)				38725	38900	38175	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.96	22.16	21.98				
5	QPSK	1	19	22.04	21.80	21.95	22.7	0		
5	QPSK	1	24	21.91	21.88	22.06				
5	QPSK	12	0	22.00	22.02	21.82				
5	QPSK	12	7	21.73	21.99	21.87	22.7	0		
5	QPSK	12	19	21.91	21.92	21.90				
5	QPSK	25	0	21.76	21.82	21.88				
5	HQAM	1	0	21.85	21.86	21.91				
5	HQAM	1	12	21.79	21.83	21.79	22.7	0		
5	HQAM	1	24	21.86	21.83	22.06				
5	HQAM	12	0	21.84	21.82	21.99				
5	HQAM	12	7	22.03	21.92	21.89	22.7	0		
5	HQAM	12	19	21.72	22.00	21.87				
5	HQAM	25	0	21.91	21.77	21.81				
5	HQAM	1	0	21.73	21.96	22.04	22.7	0		
5	HQAM	1	12	21.73	21.81	21.88				
5	HQAM	1	24	21.89	21.87	21.81				
5	HQAM	12	0	21.82	22.03	21.82	22.7	0		
5	HQAM	12	7	22.05	21.74	21.91				
5	HQAM	12	19	21.88	22.05	22.00				
5	HQAM	25	0	21.81	21.83	21.86				
5	SSBAM	1	0	19.89	20.00	19.83	20.7	2		
5	SSBAM	1	12	20.06	19.88	20.15				
5	SSBAM	1	24	19.84	20.13	20.13				
5	SSBAM	12	0	19.83	20.07	19.87				
5	SSBAM	12	7	19.95	19.82	20.11	20.7	2		
5	SSBAM	12	19	19.77	20.11	19.95				
5	SSBAM	25	0	19.83	19.96	19.74				

Band 41 Ant2 DSIS										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				39750	40185	40600	41065	41460		
20	QPSK	1	0	22.75	22.73	22.63	22.80	22.80		
20	QPSK	1	49	22.89	22.71	22.79	22.79	22.79	23.2	0
20	QPSK	50	24	22.95	22.66	22.74	22.81	22.81		
20	QPSK	50	0	22.89	22.74	22.70	22.65	22.69		
20	QPSK	50	24	22.96	22.62	22.75	22.74	22.83	23.2	0
20	QPSK	100	0	22.88	22.63	22.74	22.75	22.72		
20	QPSK	100	0	22.85	22.73	22.80	22.73	22.72		
20	HQAM	1	0	22.83	22.68	22.76	22.80	22.85	23.2	0
20	HQAM	1	49	22.75	22.68	22.86	22.83	22.75		
20	HQAM	1	99	22.70	22.71	22.83	22.84	22.99		
20	HQAM	50	0	22.81	22.66	22.78	22.82	22.88		
20	HQAM	50	24	22.84	22.68	22.86	22.87	22.80	23.2	0
20	HQAM	50	50	22.74	22.77	22.72	22.74	22.81		
20	HQAM	100	0	22.80	22.62	22.74	22.76	22.88		
20	HQAM	100	0	22.74	22.48	22.75	22.69	22.75		
20	HQAM	1	49	22.69	22.73	22.87	22.71	22.82	23.2	0
20	HQAM	1	99	22.82	22.65	22.86	22.80	22.82		
20	HQAM	50	24	22.28	22.25	22.25	22.47	22.22		
20	HQAM	50	50	22.34	22.25	22.40	22.39	22.24	22.7	0.5
20	HQAM	100	0	22.18	22.23	22.24	22.23	22.12		
20	HQAM	100	0	22.28	22.25	22.38	22.37	22.33		
20	SSBAM	1	0	19.85	19.85	19.90	19.83	19.75		
20	SSBAM	1	49	19.79	19.83	20.06	20.00	19.83	20.7	2.5
20	SSBAM	1	99	19.72	19.86	19.83	19.86	19.81		
20	SSBAM	50	0	20.00	19.97	20.07	19.89	19.84		
20	SSBAM	50	24	19.71	19.79	19.04	19.87	19.94	20.7	2.5
20	SSBAM	50	50	19.83	19.89	19.83	19.78	19.72		
20	SSBAM	100	0	19.90	19.88	19.84	19.81	19.81		
Channel										
Frequency (MHz)				39750	40173	40600	41068	41460	Tune-up limit (dBm)	MPR (dB)
16	QPSK	1	0	22.63	22.73	22.73	22.73	22.80		
16	QPSK	1	37	22.84	22.68	22.78				



Band 4 Ant3 DSIS										
RV (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-up (dB)	MPE (dB)		
Channel										
Frequency (MHz)		1700	1732.5	1765						
20	QPSK	1	0	18.44	18.54	18.42				
20	QPSK	1	49	18.39	18.37	18.41	20	0		
20	QPSK	1	99	18.39	18.37	18.41	20	0		
20	QPSK	50	0	18.24	18.47	18.34				
20	QPSK	50	24	18.28	18.45	18.38				
20	QPSK	50	50	18.37	18.16	18.44				
20	QPSK	100	0	18.25	18.32	18.31				
20	QPSK	100	0	18.37	18.41	18.28				
20	16QAM	1	49	18.37	18.18	18.42	20	0		
20	16QAM	1	99	18.24	18.33	18.37				
20	16QAM	50	0	18.22	18.26	18.28				
20	16QAM	50	24	18.24	18.32	18.32				
20	16QAM	50	50	18.30	18.41	18.23				
20	16QAM	100	0	18.25	18.31	18.35				
20	16QAM	1	0	18.38	18.27	18.30				
20	84QAM	1	49	18.24	18.22	18.22				
20	84QAM	50	0	18.23	18.26	18.31				
20	84QAM	50	0	18.08	18.27	18.37				
20	84QAM	50	24	18.27	18.34	18.33				
20	84QAM	50	50	18.26	18.34	18.30				
20	256QAM	1	49	18.26	18.31	18.30				
20	256QAM	1	99	18.13	18.45	18.19				
20	256QAM	50	0	18.17	18.38	18.18				
20	256QAM	50	24	18.26	18.46	18.44				
20	256QAM	50	50	18.37	18.34	18.16				
20	256QAM	100	0	18.26	18.23	18.21				
Channel										
Frequency (MHz)		2000	2032.5	2065						
15	QPSK	1	0	18.22	18.42	18.20				
15	QPSK	1	37	18.29	18.24	18.27				
15	QPSK	1	74	18.29	18.24	18.42				
15	QPSK	36	0	18.14	18.30	18.18				
15	QPSK	36	25	18.05	18.25	18.09				
15	QPSK	36	39	18.37	18.30	18.20				
15	QPSK	75	0	18.32	18.34	18.31				
15	16QAM	1	0	18.23	18.23	18.17				
15	16QAM	1	37	18.24	18.34	18.27				
15	16QAM	1	74	18.25	18.26	18.31				
15	16QAM	36	0	18.20	18.15	18.14				
15	16QAM	36	25	18.20	18.13	18.11				
15	16QAM	36	39	18.27	18.36	18.28				
15	16QAM	75	0	18.22	18.27	18.32				
15	84QAM	1	0	18.34	18.12	18.12				
15	84QAM	1	37	18.24	18.24	18.29				
15	84QAM	1	74	18.25	18.34	18.35				
15	84QAM	36	0	18.25	18.09	18.33				
15	84QAM	36	25	18.27	18.26	18.23				
15	84QAM	36	39	18.15	18.15	18.17				
15	84QAM	75	0	18.12	18.46	18.36				
15	256QAM	1	0	18.24	18.28	18.28				
15	256QAM	1	37	18.20	18.14	18.19				
15	256QAM	1	74	18.13	18.26	18.20				
15	256QAM	36	25	18.09	18.44	18.38				
15	256QAM	36	39	18.23	18.27	18.18				
15	256QAM	75	0	18.11	18.24	18.20				
Channel										
Frequency (MHz)		2000	2032.5	2065						
10	QPSK	1	0	18.17	18.26	18.21				
10	QPSK	1	25	18.28	18.47	18.29				
10	QPSK	1	49	18.31	18.18	18.24				
10	QPSK	1	74	18.18	18.22	18.34				
10	QPSK	25	12	18.10	18.28	18.25				
10	QPSK	25	25	18.19	18.46	18.31				
10	16QAM	1	0	18.32	18.33	18.30				
10	16QAM	1	24	18.36	18.42	18.24				
10	16QAM	25	0	18.21	18.37	18.24				
10	16QAM	25	12	18.27	18.27	18.15				
10	16QAM	25	25	18.03	18.23	18.20				
10	16QAM	50	0	18.08	18.20	18.27				
10	84QAM	1	0	18.30	18.20	18.23				
10	84QAM	1	24	18.10	18.24	18.18				
10	84QAM	1	49	18.17	18.18	18.24				
10	84QAM	25	0	18.02	18.05	18.15				
10	84QAM	25	12	18.27	18.26	18.21				
10	84QAM	25	25	18.12	18.19	18.30				
10	84QAM	50	0	18.17	18.36	18.25				
10	256QAM	1	0	18.18	18.39	18.34				
10	256QAM	1	24	18.08	18.18	18.08				
10	256QAM	1	49	18.11	18.25	18.01				
10	256QAM	25	12	18.21	18.36	18.45				
10	256QAM	25	25	18.22	18.22	18.18				
10	256QAM	50	0	18.33	18.29	18.19				
Channel										
Frequency (MHz)		1897.5	1930	1962.5						
5	QPSK	1	0	18.27	18.26	18.21				
5	QPSK	1	12	18.17	18.25	18.20				
5	QPSK	1	24	18.34	18.21	18.22				
5	QPSK	12	0	18.26	18.21	18.14				
5	QPSK	12	7	18.23	18.36	18.10				
5	QPSK	12	13	18.33	18.46	18.41				
5	QPSK	25	0	18.15	18.25	18.21				
5	16QAM	1	0	18.30	18.28	18.20				
5	16QAM	12	0	18.18	18.18	18.18				
5	16QAM	12	7	18.23	18.15	18.20				
5	16QAM	12	13	18.26	18.33	18.22				
5	16QAM	25	0	18.03	18.20	18.40				
5	84QAM	1	0	18.23	18.17	18.27				
5	84QAM	1	12	18.16	18.16	18.20				
5	84QAM	1	24	18.18	18.23	18.21				
5	84QAM	12	0	18.24	18.11	18.35				
5	84QAM	12	7	18.21	18.32	18.29				
5	84QAM	12	13	18.24	18.18	18.19				
5	84QAM	25	0	18.26	18.46	18.31				
5	256QAM	1	0	18.22	18.26	18.21				
5	256QAM	1	12	18.08	18.25	18.13				
5	256QAM	1	24	18.08	18.35	18.04				
5	256QAM	12	0	18.19	18.31	18.14				
5	256QAM	12	7	18.20	18.47	18.36				
5	256QAM	12	13	18.21	18.20	18.20				
5	256QAM	25	0	18.03	18.15	18.04				
Channel										
Frequency (MHz)		1897.5	1930	1962.5						
3	QPSK	1	0	18.38	18.42	18.25				
3	QPSK	1	8	18.19	18.33	18.21				
3	QPSK	1	14	18.26	18.26	18.29				
3	QPSK	8	0	18.13	18.36	18.14				
3	QPSK	8	4	18.22	18.46	18.17				
3	QPSK	8	7	18.21	18.50	18.23				
3	QPSK	15	0	18.28	18.28	18.23				
3	16QAM	1	0	18.32	18.42	18.15				
3	16QAM	1	8	18.22	18.52	18.20				
3	16QAM	1	14	18.24	18.48	18.24				
3	16QAM	8	0	18.15	18.25	18.32				
3	16QAM	8	4	18.09	18.10	18.09				
3	16QAM	8	7	18.06	18.49	18.24				
3	16QAM	15	0	18.14	18.22	18.28				
3	84QAM	1	0	18.18	18.24	18.27				
3	84QAM	1	8	18.13	18.07	18.27				
3	84QAM	1	14	18.02	18.31	18.22				
3	84QAM	8	0	18.22	18.24	18.21				
3	84QAM	8	4	18.24	18.34	18.14				
3	84QAM	8	7	18.24	18.31	18.11				
3	84QAM	15	0	18.27	18.05	18.25				
3	256QAM	1	8	18.10	18.17	18.13				
3	256QAM	1	14	18.07	18.44	18.24				
3	256QAM	8	0	18.26	18.18	18.02				
3	256QAM	8	4	18.25	18.35	18.45				
3	256QAM	8	7	18.25	18.39	18.29				
3	256QAM	15	0	18.09	18.07	18.08				
Channel										
Frequency (MHz)		1897.5	1930	1962.5						
1.4	QPSK	1	0	18.34	18.38	18.26				
1.4	QPSK	1	3	18.30	18.42	18.43				
1.4	QPSK	1	3	18.31	18.17	18.42				
1.4	QPSK	1	6	18.16	18.31	18.19				
1.4	QPSK	3	1	18.07	18.34	18.07				
1.4	QPSK	3	3	18.21	18.44	18.07				
1.4	QPSK	3	6	18.24	18.11	18.29				
1.4	16QAM	1	0	18.26	18.24	18.37				
1.4	16QAM	1	3	18.27	18.35	18.21				
1.4	16QAM	1	6	18.06	18.30	18.21				
1.4	16QAM	3	0	18.10	18.18	18.22				
1.4	16QAM	3	1	18.24	18.38	18.20				
1.4	16QAM	3	3	18.07	18.23	18.17				
1.4	16QAM	6	0	18.21	18.22	18.24				
1.4	84QAM									



Band 38 Ant3 DSIS									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				38750	38900	38150			
20	QPSK	1	0	19.93	19.93	19.93	20	0	
20	QPSK	1	49	18.95	19.02	18.88	20	0	
20	QPSK	50	24	18.95	18.95	18.95	20	0	
20	QPSK	50	24	18.93	18.93	18.93	20	0	
20	QPSK	100	0	18.88	18.98	18.92	20	0	
20	16QAM	1	0	18.94	18.92	18.93	20	0	
20	16QAM	1	49	18.95	18.96	18.95	20	0	
20	16QAM	1	99	18.90	18.92	18.93	20	0	
20	16QAM	50	24	18.94	18.94	18.75	20	0	
20	16QAM	50	50	18.91	18.86	18.73	20	0	
20	16QAM	100	0	18.77	18.72	18.76	20	0	
20	16QAM	1	49	18.84	18.83	18.82	20	0	
20	16QAM	50	0	18.94	18.90	18.76	20	0	
20	16QAM	50	24	18.96	18.94	18.95	20	0	
20	16QAM	100	0	18.90	18.97	18.81	20	0	
20	16QAM	100	0	18.71	18.87	18.76	20	0	
20	25QAM	1	0	18.92	18.79	18.71	20	0	
20	25QAM	1	49	18.96	18.86	18.76	20	0	
20	25QAM	1	99	18.81	18.88	18.70	20	0	
20	25QAM	50	0	18.88	18.89	18.87	20	0	
20	25QAM	50	24	18.78	18.95	18.88	20	0	
20	25QAM	50	50	18.86	18.86	18.89	20	0	
20	25QAM	100	0	18.85	18.86	18.88	20	0	
Channel									
Frequency (MHz)				31625	31600	31715	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.93	18.93	18.93	20	0	
15	QPSK	1	37	18.86	18.85	18.76	20	0	
15	QPSK	1	74	18.84	18.81	18.76	20	0	
15	QPSK	36	0	18.94	18.79	18.83	20	0	
15	QPSK	36	20	18.77	18.85	18.80	20	0	
15	QPSK	75	0	18.78	18.93	18.88	20	0	
15	16QAM	1	0	18.87	18.94	18.82	20	0	
15	16QAM	1	37	18.81	18.81	18.74	20	0	
15	16QAM	1	74	18.83	18.86	18.85	20	0	
15	16QAM	36	0	18.87	18.82	18.61	20	0	
15	16QAM	36	20	18.82	18.86	18.86	20	0	
15	16QAM	36	50	18.76	18.80	18.88	20	0	
15	16QAM	75	0	18.94	18.73	18.72	20	0	
15	16QAM	1	0	18.72	18.77	18.65	20	0	
15	16QAM	1	37	18.76	18.84	18.76	20	0	
15	16QAM	1	74	18.79	18.93	18.81	20	0	
15	16QAM	36	0	18.83	18.75	18.77	20	0	
15	16QAM	36	20	18.94	18.83	18.60	20	0	
15	16QAM	36	50	18.88	18.89	18.89	20	0	
15	16QAM	75	0	18.85	18.77	18.67	20	0	
15	25QAM	1	0	18.88	18.75	18.67	20	0	
15	25QAM	1	37	18.70	18.84	18.62	20	0	
15	25QAM	1	74	18.71	18.78	18.56	20	0	
15	25QAM	36	0	18.77	18.85	18.81	20	0	
15	25QAM	36	20	18.87	18.87	18.84	20	0	
15	25QAM	36	50	18.77	18.82	18.65	20	0	
15	25QAM	75	0	18.80	18.82	18.81	20	0	
Channel									
Frequency (MHz)				2572.5	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.91	18.90	18.90	20	0	
10	QPSK	1	25	18.86	18.90	18.75	20	0	
10	QPSK	1	49	18.83	18.80	18.88	20	0	
10	QPSK	25	0	18.91	18.82	18.82	20	0	
10	QPSK	25	12	18.86	18.84	18.87	20	0	
10	QPSK	25	25	18.84	18.85	18.82	20	0	
10	QPSK	50	0	18.82	18.93	18.89	20	0	
10	16QAM	1	0	18.88	18.89	18.89	20	0	
10	16QAM	1	25	18.75	18.84	18.81	20	0	
10	16QAM	1	49	18.82	18.95	18.90	20	0	
10	16QAM	25	0	18.72	18.81	18.61	20	0	
10	16QAM	25	12	18.85	18.86	18.65	20	0	
10	16QAM	25	25	18.81	18.76	18.59	20	0	
10	16QAM	50	0	18.88	18.76	18.62	20	0	
10	16QAM	1	0	18.90	18.73	18.66	20	0	
10	16QAM	1	25	18.81	18.81	18.79	20	0	
10	16QAM	1	49	18.80	18.86	18.65	20	0	
10	16QAM	25	0	18.71	18.70	18.64	20	0	
10	16QAM	25	12	18.80	18.84	18.85	20	0	
10	16QAM	25	25	18.77	18.90	18.72	20	0	
10	16QAM	50	0	18.69	18.69	18.60	20	0	
10	25QAM	1	0	18.88	18.65	18.64	20	0	
10	25QAM	1	25	18.89	18.76	18.65	20	0	
10	25QAM	1	49	18.73	18.71	18.65	20	0	
10	25QAM	25	0	18.68	18.80	18.85	20	0	
10	25QAM	25	12	18.84	18.79	18.85	20	0	
10	25QAM	25	25	18.73	18.94	18.59	20	0	
10	25QAM	50	0	18.45	18.67	18.49	20	0	
Channel									
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	18.86	18.88	18.83	20	0	
5	QPSK	1	19	18.80	18.88	18.79	20	0	
5	QPSK	1	24	18.82	18.82	18.81	20	0	
5	QPSK	12	0	18.89	18.78	18.86	20	0	
5	QPSK	12	7	18.87	18.77	18.86	20	0	
5	QPSK	12	19	18.90	18.86	18.71	20	0	
5	QPSK	25	0	18.87	18.84	18.86	20	0	
5	QPSK	25	12	18.80	18.89	18.75	20	0	
5	16QAM	1	12	18.82	18.87	18.72	20	0	
5	16QAM	1	24	18.78	18.90	18.81	20	0	
5	16QAM	12	0	18.79	18.72	18.56	20	0	
5	16QAM	12	7	18.73	18.77	18.59	20	0	
5	16QAM	12	19	18.76	18.82	18.69	20	0	
5	16QAM	25	0	18.72	18.74	18.68	20	0	
5	16QAM	1	0	18.83	18.87	18.64	20	0	
5	16QAM	1	12	18.66	18.82	18.67	20	0	
5	16QAM	1	24	18.68	18.90	18.73	20	0	
5	16QAM	12	0	18.72	18.77	18.64	20	0	
5	16QAM	12	7	18.83	18.87	18.59	20	0	
5	16QAM	12	19	18.87	18.79	18.66	20	0	
5	16QAM	25	0	18.84	18.81	18.66	20	0	
5	25QAM	1	0	18.85	18.74	18.64	20	0	
5	25QAM	1	12	18.87	18.72	18.64	20	0	
5	25QAM	1	24	18.68	18.84	18.57	20	0	
5	25QAM	12	0	18.73	18.76	18.77	20	0	
5	25QAM	12	7	18.81	18.92	18.71	20	0	
5	25QAM	12	19	18.75	18.73	18.60	20	0	
5	25QAM	25	0	18.46	18.48	18.53	20	0	

Band 41 Ant3 DSIS										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				39750	40185	40660	41066	41460		
20	QPSK	1	0	20.10	20.14	20.13	20.13	20.10		
20	QPSK	1	49	20.03	20.10	20.15	20.12	20.18	21	
20	QPSK	50	24	20.04	20.05	20.19	20.04	20.20		
20	QPSK	50	0	19.97	20.11	20.17	20.07	20.10		
20	QPSK	50	24	19.93	20.19	20.12	20.11	20.05		
20	QPSK	100	0	19.85	19.90	20.11	20.14	20.14		
20	QPSK	100	0	20.06	20.00	20.16	19.97	20.07		
20	16QAM	1	0	19.95	20.03	20.14	20.02	20.19		
20	16QAM	1	49	19.89	19.95	20.00	19.84	20.10		
20	16QAM	1	99	19.98	19.95	19.95	19.85	20.09		
20	16QAM	50	0	19.80	20.02	19.98	19.91	20.15		
20	16QAM	50	24	19.89	20.00	20.00	19.97	19.98		
20	16QAM	50	50	19.83	19.86	19.96	20.07	20.09		
20	16QAM	100	0	19.84	19.86	20.07	19.86	19.99		
20	16QAM	1	0	19.93	20.00	20.14	20.07	20.13		
20	16QAM	1	49	19.86	19.83	20.13	19.95	20.05		
20	16QAM	1	99	19.90	19.85	20.00	19.90	20.09		
20	16QAM	50	0	19.93	20.08	20.05	20.01	20.14		
20	16QAM	50	24	19.81	19.94	20.13	19.94	19.97		
20	16QAM	50	50	19.85	19.90	20.00	19.97	20.03		
20	16QAM	100	0	20.04	20.07	20.19	20.10	20.10		
20	25QAM	1	0	19.92	19.22	19.18	19.10	19.23		
20	25QAM	1	49	19.91	19.13	19.17	19.08	19.17		
20	25QAM	1	99	18.98	19.04	19.11	19.04	19.27		
20	25QAM	50	0	19.88	19.12	19.08	19.09	19.04		
20	25QAM	50	24	19.90	19.04	19.11	19.14	19.08		
20	25QAM	50	50	18.88	18.87	19.02	19.18	19.19		
20	25QAM	100	0	19.13	19.10	19.90	19.90	19.98		
Channel										
Frequency (MHz)				39750	40173	40660	41066	41460	Tune-up limit (dBm)	MPR (dB)
16	QPSK	1	0	20.11	20.02	20.04	20.12	20.12	21	0
16	QPSK	1	37	19.94	20.03	20.04	19.92	20.12	21	0
16	QPSK	1	74	19.89	19.87	20.06	19.94	20.10	21	0
16	QPSK	36	0	19.8						

### UL CA power

Ant 0 Full Power&DSI3&5&1&4

CA_7C								
Combination 20MHz+20MHz (1RB+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	21.17	22.50
21100	21298	QPSK	1	99	1	0	21.30	22.50
21350	21152	QPSK	1	0	1	99	21.21	22.50

Ant 0 Full Power&DSI 1&4&5

CA_38C								
Combination 20MHz+20MHz (1RB+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	21.10	22.00
37901	38099	QPSK	1	99	1	0	21.25	22.00
38150	37952	QPSK	1	0	1	99	21.17	22.00

Ant 1 Full Power

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.35	23.50
21100	21298	QPSK	1	99	1	0	22.40	23.50
21350	21152	QPSK	1	0	1	99	22.27	23.50

Ant 1 Full Power&DSI3&4

CA_38C								
Combination 20MHz+20MHz (1RB+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	22.20	23.00
37901	38099	QPSK	1	99	1	0	22.24	23.00
38150	37952	QPSK	1	0	1	99	22.13	23.00

Ant 2 Full Power&DSI 1&4

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.92	23.70
21100	21298	QPSK	1	99	1	0	23.11	23.70
21350	21152	QPSK	1	0	1	99	23.05	23.70

Ant 2 Full Power&DSI 1&4

CA_38C								
Combination 20MHz+20MHz (1RB+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	22.87	23.70
37901	38099	QPSK	1	99	1	0	23.14	23.70
38150	37952	QPSK	1	0	1	99	23.00	23.70

Ant 3 Full Power&DSI4

CA_7C								
Combination 20MHz+20MHz (1RB+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	21.86	23.00
21100	21298	QPSK	1	99	1	0	22.00	23.00
21350	21152	QPSK	1	0	1	99	21.92	23.00

Ant 3 Full Power&DSI4

CA_38C								
Combination 20MHz+20MHz (1RB+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	21.97	23.00
37901	38099	QPSK	1	99	1	0	22.13	23.00
38150	37952	QPSK	1	0	1	99	21.85	23.00



Ant 1 DSI1&5

CA_7C								
Combination 20MHz+20MHz (1RB+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	16.31	17.50
21100	21298	QPSK	1	99	1	0	16.47	17.50
21350	21152	QPSK	1	0	1	99	16.46	17.50

Ant 1 DSI1&5

CA_38C								
Combination 20MHz+20MHz (1RB+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	18.36	19.00
37901	38099	QPSK	1	99	1	0	18.43	19.00
38150	37952	QPSK	1	0	1	99	18.30	19.00

Ant 1 DSI3&4

CA_7C								
Combination 20MHz+20MHz (1RB+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	20.33	21.50
21100	21298	QPSK	1	99	1	0	20.46	21.50
21350	21152	QPSK	1	0	1	99	20.41	21.50

Ant 2 DSI3&5

CA_38C								
Combination 20MHz+20MHz (1RB+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	21.98	22.70
37901	38099	QPSK	1	99	1	0	22.14	22.70
38150	37952	QPSK	1	0	1	99	21.97	22.70

Ant 2 DSI3&5

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.03	22.70
21100	21298	QPSK	1	99	1	0	22.18	22.70
21350	21152	QPSK	1	0	1	99	22.01	22.70

Ant 3 DSI1&5

CA_38C								
Combination 20MHz+20MHz (1RB+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	19.01	20.00
37901	38099	QPSK	1	99	1	0	19.05	20.00
38150	37952	QPSK	1	0	1	99	18.95	20.00

Ant 3 DSI1&5

CA_7C								
Combination 20MHz+20MHz (1RB+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	17.41	18.50
21100	21298	QPSK	1	99	1	0	17.49	18.50
21350	21152	QPSK	1	0	1	99	17.43	18.50

Ant 3 DSI3

CA_38C								
Combination 20MHz+20MHz (1RB+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	21.37	22.50
37901	38099	QPSK	1	99	1	0	21.48	22.50
38150	37952	QPSK	1	0	1	99	21.39	22.50

Ant 3 DSI3

CA_7C								
Combination 20MHz+20MHz (1RB+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	20.87	22.00
21100	21298	QPSK	1	99	1	0	20.92	22.00
21350	21152	QPSK	1	0	1	99	20.75	22.00



DL CA Power

2CA DL

CA List	PCC										SCC					Power	
	LTE Band	BW	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL Offset	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)	
	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2			
CA_2A-2A	Band 2	20M	1880	1890	QPSK	1	0		Band 2	5M	1988	1175		24.05	24.23		
	Band 2	20M	1880	1890	QPSK	1	0		Band 2	5M	1988	1175		24.28	24.49		
CA_2A-4A	Band 2	20M	1880	1890	QPSK	1	0		Band 4	20M	2133	2175	4x4MIMO	24.10	24.23		
	Band 2	20M	1880	1890	QPSK	1	0		Band 4	20M	2133	2175	4x4MIMO	24.32	24.49		
CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.88	22.96		
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		24.81	24.87		
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		24.87	25.00		
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.62	23.75		
	Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2133	2175	4x4MIMO	24.83	25.01		
	Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2133	2175	4x4MIMO	24.62	24.78		
CA_38C	Band 38	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2600	38048	4x4MIMO	22.52	22.67		
	Band 38	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2600	38048	4x4MIMO	24.17	24.34		
	Band 38	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2600	38048	4x4MIMO	25.03	25.10		
CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 38	20M	2600	38048	4x4MIMO	23.81	23.96		
	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2688	41565	4x4MIMO	22.80	22.93		
	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2688	41565	4x4MIMO	24.27	24.42		
	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2688	41565	4x4MIMO	25.01	25.16		
CA_66B	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154	66879	4x4MIMO	23.88	24.09		
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154	66879	4x4MIMO	22.86	23.02		
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154	66879	4x4MIMO	24.78	24.91		
CA_66C	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154	66879	4x4MIMO	24.92	25.06		
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154	66879	4x4MIMO	23.67	23.81		
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2165	66984	4x4MIMO	22.88	23.02		
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2165	66984	4x4MIMO	24.85	24.91		
CA_66C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2165	66984	4x4MIMO	24.92	25.06		
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2165	66984	4x4MIMO	23.72	23.81		



### 3CA DL

3CA List	PCC									SCC1				SCC2				Power			
	LTE	BW	BW	UL	UL	Mod.	ULF	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-7C	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.12	24.23
	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.40	24.49
CA_2A-7A-7A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.08	24.23
	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.42	24.49
CA_4A-7C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.84	22.96
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.67	24.87
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.91	25.00
	Band 7	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.56	23.75
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.05	23.21
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.34	24.52
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	25.04	25.16
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.82	24.03
CA_5A-7A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.80	25.01
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.53	24.78
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		23.11	23.21
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		24.39	24.52
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		25.07	25.16
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		23.86	24.03
CA_5A-7A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.77	25.01
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.58	24.78
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	23.08	23.21
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	24.31	24.52
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	24.99	25.16
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	23.83	24.03
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525		24.66	24.91
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525		24.96	25.06
CA_41D	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	22.70	22.93
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	24.22	24.42
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	24.98	25.16
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	23.84	24.09



Full&Default Power Mode

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	25.07	25.12	25.05		
20	PI/2 BPSK	1	53	24.96	25.09	25.02	25.7	0.0
20	PI/2 BPSK	1	104	24.92	25.04	24.93		
20	PI/2 BPSK	50	0	24.61	24.69	24.59	25.2	0.5
20	PI/2 BPSK	50	28	25.01	25.15	25.04	25.7	0.0
20	PI/2 BPSK	50	56	24.51	24.65	24.60	25.2	0.5
20	PI/2 BPSK	100	0	24.57	24.67	24.61		
20	QPSK	1	1	25.10	25.16	25.06		
20	QPSK	1	53	24.98	25.11	25.03	25.7	0.0
20	QPSK	1	104	24.72	24.81	24.70		
20	QPSK	50	0	24.09	24.21	24.09	24.7	1.0
20	QPSK	50	28	25.12	25.16	25.11	25.7	0.0
20	QPSK	50	56	24.15	24.19	24.06	24.7	1.0
20	QPSK	100	0	24.08	24.15	24.09		
20	16QAM	1	1	23.87	23.94	23.88	24.7	1.0
20	64QAM	1	1	22.37	22.45	22.39	23.2	2.5
20	256QAM	1	1	20.73	20.76	20.71	21.2	4.5
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	25.01	25.05	24.95	25.7	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	25.05	25.03	24.95	25.7	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	25.00	25.13	24.92	25.7	0.0

n7 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.32	21.43	21.34		
40	PI/2 BPSK	1	108	21.33	21.41	21.36	23.0	0.0
40	PI/2 BPSK	1	214	21.11	21.26	21.13		
40	PI/2 BPSK	108	0	20.84	20.90	20.76	22.5	0.5
40	PI/2 BPSK	108	54	21.27	21.33	21.27	23.0	0.0
40	PI/2 BPSK	108	108	20.72	20.82	20.72	22.5	0.5
40	PI/2 BPSK	216	0	20.73	20.86	20.76		
40	QPSK	1	1	21.39	21.45	21.37		
40	QPSK	1	108	21.30	21.34	21.24	23.0	0.0
40	QPSK	1	214	21.19	21.24	21.17		
40	QPSK	108	0	20.35	20.42	20.28	22.0	1.0
40	QPSK	108	54	21.27	21.40	21.27	23.0	0.0
40	QPSK	108	108	20.31	20.37	20.26	22.0	1.0
40	QPSK	216	0	20.34	20.41	20.36		
40	16QAM	1	1	20.43	20.54	20.46	22.0	1.0
40	64QAM	1	1	18.67	18.78	18.66	20.5	2.5
40	256QAM	1	1	17.11	17.15	17.07	18.5	4.5
Channel				509000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	21.29	21.32	21.27	23.0	0.0
Channel				502000	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	21.27	21.37	21.30	23.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.34	21.37	21.28	23.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	21.35	21.36	21.29	23.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	21.29	21.41	21.28	23.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	21.27	21.40	21.29	23.0	0.0



n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.79	21.87	21.75		
40	PI/2 BPSK	1	53	21.77	21.91	21.86	23.3	0.0
40	PI/2 BPSK	1	104	21.87	21.90	21.79		
40	PI/2 BPSK	50	0	21.43	21.52	21.45	22.8	0.5
40	PI/2 BPSK	50	28	21.79	21.86	21.74	23.3	0.0
40	PI/2 BPSK	50	56	21.37	21.51	21.48	22.8	0.5
40	PI/2 BPSK	100	0	21.39	21.49	21.42		
40	QPSK	1	1	21.87	21.96	21.82		
40	QPSK	1	53	21.87	21.93	21.81	23.3	0.0
40	QPSK	1	104	21.87	21.90	21.86		
40	QPSK	50	0	20.91	21.02	20.95	22.3	1.0
40	QPSK	50	28	21.89	21.92	21.84	23.3	0.0
40	QPSK	50	56	20.91	21.04	21.00	22.3	1.0
40	QPSK	100	0	20.86	20.97	20.84		
40	16QAM	1	1	20.85	20.93	20.84	22.3	1.0
40	64QAM	1	1	19.22	19.33	19.23	20.8	2.5
40	256QAM	1	1	17.46	17.62	17.55	18.0	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.84	21.87	21.74	23.3	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.70	21.82	21.73	23.3	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.70	21.85	21.75	23.3	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	21.70	21.89	21.67	23.3	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.90	21.96	21.88		
100	PI/2 BPSK	1	137	21.73	21.87	21.84	23.3	0.0
100	PI/2 BPSK	1	271	21.71	21.78	21.68		
100	PI/2 BPSK	135	0	21.26	21.39	21.34	22.8	0.5
100	PI/2 BPSK	135	69	21.76	21.87	21.76	23.3	0.0
100	PI/2 BPSK	135	138	21.27	21.30	21.20	22.8	0.5
100	PI/2 BPSK	270	0	21.29	21.40	21.35		
100	QPSK	1	1	21.86	21.98	21.91		
100	QPSK	1	137	21.86	21.94	21.87	23.3	0.0
100	QPSK	1	271	21.53	21.66	21.62		
100	QPSK	135	0	20.81	20.92	20.81	22.3	1.0
100	QPSK	135	69	21.70	21.84	21.77	23.3	0.0
100	QPSK	135	138	20.73	20.81	20.67	22.3	1.0
100	QPSK	270	0	20.79	20.83	20.74		
100	16QAM	1	1	20.91	20.99	20.90	22.3	1.0
100	64QAM	1	1	19.55	19.61	19.57	20.8	2.5
100	256QAM	1	1	17.63	17.68	17.57	18.8	4.5
Channel				509200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.78	21.91	21.77	23.3	0.0
Channel				507204	518598	529996		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.61	21.83	21.87	23.3	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.76	21.93	21.79	23.3	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.61	21.91	21.79	23.3	0.0
Channel				504204	518598	532996		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.79	21.93	21.78	23.3	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.78	21.94	21.81	23.3	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.72	21.86	21.77	23.3	0.0
Channel				501204	518598	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.76	21.93	21.85	23.3	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	24.73	24.78	24.68		
20	PI/2 BPSK	1	53	24.67	24.73	24.69	25.5	0.0
20	PI/2 BPSK	1	104	24.57	24.68	24.61		
20	PI/2 BPSK	50	0	24.23	24.38	24.32	25.0	0.5
20	PI/2 BPSK	50	28	24.67	24.80	24.75	25.5	0.0
20	PI/2 BPSK	50	56	24.25	24.33	24.23		
20	PI/2 BPSK	100	0	24.21	24.34	24.28	25.0	0.5
20	QPSK	1	1	24.70	24.81	24.75		
20	QPSK	1	53	24.72	24.79	24.73	25.5	0.0
20	QPSK	1	104	24.56	24.60	24.56		
20	QPSK	50	0	23.82	23.87	23.73	24.5	1.0
20	QPSK	50	28	24.73	24.81	24.67	25.5	0.0
20	QPSK	50	56	23.72	23.80	23.69	24.5	1.0
20	QPSK	100	0	23.69	23.77	23.65		
20	16QAM	1	1	23.58	23.73	23.60	24.5	1.0
20	64QAM	1	1	21.98	22.07	22.01	23.0	2.5
20	256QAM	1	1	20.20	20.37	20.23	21.0	4.5
Channel				168300	168800	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.63	24.77	24.61	25.5	0.0
Channel				165900	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.58	24.72	24.57	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	24.62	24.71	24.71	25.5	0.0

n7 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.46	23.54	23.42		
40	PI/2 BPSK	1	108	23.49	23.52	23.41	24.0	0.0
40	PI/2 BPSK	1	214	23.38	23.50	23.36		
40	PI/2 BPSK	108	0	22.90	23.04	22.95	23.5	0.5
40	PI/2 BPSK	108	54	23.38	23.50	23.40	24.0	0.0
40	PI/2 BPSK	108	108	22.85	22.99	22.88		
40	PI/2 BPSK	216	0	22.90	23.00	22.90	23.5	0.5
40	QPSK	1	1	23.51	23.57	23.49		
40	QPSK	1	108	23.43	23.52	23.43	24.0	0.0
40	QPSK	1	214	23.43	23.55	23.50		
40	QPSK	108	0	22.46	22.56	22.49	23.0	1.0
40	QPSK	108	54	23.34	23.46	23.32	24.0	0.0
40	QPSK	108	108	22.32	22.47	22.40		
40	QPSK	216	0	22.46	22.57	22.51	23.0	1.0
40	16QAM	1	1	22.51	22.63	22.59	23.0	1.0
40	64QAM	1	1	20.91	20.96	20.87	21.5	2.5
40	256QAM	1	1	19.00	19.03	18.90	19.5	4.5
Channel				509000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.43	23.45	23.39	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.42	23.45	23.44	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.37	23.51	23.38	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.40	23.46	23.44	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.41	23.53	23.35	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.34	23.48	23.38	24.0	0.0



n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	24.56	24.64	24.55		
40	PI/2 BPSK	1	53	24.45	24.57	24.48	25.7	0.0
40	PI/2 BPSK	1	104	24.51	24.60	24.49		
40	PI/2 BPSK	50	0	24.11	24.21	24.18	25.2	0.5
40	PI/2 BPSK	50	28	24.53	24.63	24.49	25.7	0.0
40	PI/2 BPSK	50	56	24.00	24.08	23.96		
40	PI/2 BPSK	100	0	24.04	24.12	24.05	25.2	0.5
40	QPSK	1	1	24.53	24.66	24.59		
40	QPSK	1	53	24.48	24.58	24.46	25.7	0.0
40	QPSK	1	104	24.50	24.64	24.60		
40	QPSK	50	0	23.55	23.66	23.61	24.7	1.0
40	QPSK	50	28	24.48	24.58	24.55	25.7	0.0
40	QPSK	50	56	23.47	23.56	23.51		
40	QPSK	100	0	23.45	23.58	23.51	24.7	1.0
40	16QAM	1	1	23.48	23.59	23.54	24.7	1.0
40	64QAM	1	1	22.06	22.12	22.03	23.2	2.5
40	256QAM	1	1	20.04	20.14	20.07	21.2	4.5
Channel				517092	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.49	24.62	24.54	25.7	0.0
Channel				516090	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.38	24.56	24.50	25.7	0.0
Channel				515092	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	24.41	24.57	24.54	25.7	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	24.44	24.51	24.48	25.7	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.60	24.66	24.61		
100	PI/2 BPSK	1	137	24.38	24.52	24.42	25.7	0.0
100	PI/2 BPSK	1	271	24.35	24.46	24.32		
100	PI/2 BPSK	135	0	23.94	24.01	23.98	25.2	0.5
100	PI/2 BPSK	135	69	24.36	24.49	24.43	25.7	0.0
100	PI/2 BPSK	135	138	23.94	23.98	23.95		
100	PI/2 BPSK	270	0	23.92	24.02	23.95	25.2	0.5
100	QPSK	1	1	24.31	24.69	24.56		
100	QPSK	1	137	24.44	24.55	24.52	25.7	0.0
100	QPSK	1	271	24.42	24.50	24.45		
100	QPSK	135	0	23.46	23.50	23.41	24.7	1.0
100	QPSK	135	69	24.56	24.63	24.49	25.7	0.0
100	QPSK	135	138	23.35	23.48	23.37		
100	QPSK	270	0	23.52	23.58	23.44	24.7	1.0
100	16QAM	1	1	23.68	23.74	23.66	24.7	1.0
100	64QAM	1	1	22.04	22.09	21.98	23.2	2.5
100	256QAM	1	1	20.09	20.15	20.08	21.2	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.46	24.56	24.42	25.7	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.51	24.54	24.48	25.7	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.44	24.60	24.47	25.7	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.49	24.65	24.43	25.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.46	24.65	24.49	25.7	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.40	24.64	24.49	25.7	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.51	24.64	24.47	25.7	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.50	24.54	24.43	25.7	0.0

n7 Ant2 Default								
Channel	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	24.17	24.25	24.17		
40	PI/2 BPSK	1	108	24.05	24.20	24.13	24.7	0.0
40	PI/2 BPSK	1	214	24.08	24.22	24.13		
40	PI/2 BPSK	108	0	23.50	23.62	23.52	24.2	0.5
40	PI/2 BPSK	108	54	24.03	24.09	23.95	24.7	0.0
40	PI/2 BPSK	108	108	23.67	23.77	23.69	24.2	0.5
40	PI/2 BPSK	216	0	23.60	23.66	23.56		
40	QPSK	1	1	24.23	24.30	24.16		
40	QPSK	1	108	24.12	24.26	24.11	24.7	0.0
40	QPSK	1	214	24.08	24.22	24.17		
40	QPSK	108	0	23.10	23.13	23.09	23.7	1.0
40	QPSK	108	54	24.02	24.11	24.00	24.7	0.0
40	QPSK	108	108	23.10	23.24	23.13	23.7	1.0
40	QPSK	216	0	23.17	23.20	23.16		
40	16QAM	1	1	23.27	23.34	23.25	23.7	1.0
40	64QAM	1	1	21.34	21.38	21.25	22.2	2.5
40	256QAM	1	1	19.75	19.80	19.72	20.2	4.5
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.11	24.16	24.04	24.7	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.17	24.23	24.08	24.7	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	24.09	24.15	24.09	24.7	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.19	24.21	24.12	24.7	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.10	24.21	24.12	24.7	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.14	24.16	24.03	24.7	0.0





n38 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.12	25.26	25.14		
40	PI/2 BPSK	1	53	25.09	25.18	25.05	25.7	0.0
40	PI/2 BPSK	1	104	25.20	25.31	25.22		
40	PI/2 BPSK	50	0	24.70	24.77	24.73	25.2	0.5
40	PI/2 BPSK	50	28	25.12	25.22	25.11	25.7	0.0
40	PI/2 BPSK	50	56	24.80	24.71	24.61	25.2	0.5
40	PI/2 BPSK	100	0	24.71	24.74	24.62		
40	QPSK	1	1	25.20	25.34	25.26		
40	QPSK	1	53	25.08	25.22	25.08	25.7	0.0
40	QPSK	1	104	25.17	25.30	25.18		
40	QPSK	50	0	24.25	24.28	24.19	24.7	1.0
40	QPSK	50	28	25.17	25.21	25.09	25.7	0.0
40	QPSK	50	56	24.10	24.14	24.05	24.7	1.0
40	QPSK	100	0	24.09	24.22	24.11		
40	16QAM	1	1	24.16	24.24	24.17	24.7	1.0
40	64QAM	1	1	22.56	22.64	22.53	23.2	2.5
40	256QAM	1	1	20.72	20.76	20.68	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	25.15	25.20	25.13		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	25.7	0.0
20	QPSK	1	1	25.12	25.22	25.19		
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	25.10	25.20	25.19		
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	25.07	25.26	25.17		

n41 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.17	25.31	25.21		
100	PI/2 BPSK	1	137	25.18	25.33	25.27	25.7	0.0
100	PI/2 BPSK	1	271	25.19	25.34	25.25		
100	PI/2 BPSK	135	0	24.66	24.79	24.73	25.2	0.5
100	PI/2 BPSK	135	69	25.18	25.28	25.23	25.7	0.0
100	PI/2 BPSK	135	138	24.69	24.81	24.75	25.2	0.5
100	PI/2 BPSK	270	0	24.64	24.78	24.75		
100	QPSK	1	1	24.96	25.38	25.28		
100	QPSK	1	137	25.17	25.28	25.24	25.7	0.0
100	QPSK	1	271	25.10	25.20	25.07		
100	QPSK	135	0	24.17	24.25	24.14	24.7	1.0
100	QPSK	135	69	25.14	25.28	25.22	25.7	0.0
100	QPSK	135	138	24.22	24.34	24.20	24.7	1.0
100	QPSK	270	0	24.16	24.25	24.11		
100	16QAM	1	1	24.11	24.22	24.17	24.7	1.0
100	64QAM	1	1	22.49	22.58	22.53	23.2	2.5
100	256QAM	1	1	20.75	20.78	20.70	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	25.24	25.28	25.20		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	25.7	0.0
80	QPSK	1	1	25.27	25.28	25.19		
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	25.32	25.22		
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	25.19	25.31	25.24		
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	25.22	25.32	25.19		
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	25.19	25.28	25.15		
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	25.23	25.24	25.19		
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	25.27	25.30	25.15		



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	22.17	22.27	22.20	23.5	0.0
40	PI/2 BPSK	1	108	22.17	22.22	22.12		
40	PI/2 BPSK	1	214	22.19	22.26	22.21		
40	PI/2 BPSK	108	0	21.65	21.72	21.64	23.0	0.5
40	PI/2 BPSK	108	54	22.09	22.18	22.05	23.5	0.0
40	PI/2 BPSK	108	108	21.59	21.64	21.57	23.0	0.5
40	PI/2 BPSK	216	0	21.56	21.71	21.57		
40	QPSK	1	1	22.20	22.32	22.12	23.5	0.0
40	QPSK	1	108	22.14	22.20	22.13		
40	QPSK	1	214	22.24	22.29	22.25		
40	QPSK	108	0	21.09	21.23	21.13	22.5	1.0
40	QPSK	108	54	22.15	22.26	22.13	23.5	0.0
40	QPSK	108	108	21.02	21.16	21.09	22.5	1.0
40	QPSK	216	0	21.17	21.23	21.03		
40	16QAM	1	1	21.29	21.37	21.27	22.5	1.0
40	64QAM	1	1	19.71	19.75	19.67	21.0	2.5
40	256QAM	1	1	17.78	17.84	17.73	19.0	4.5
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	22.17	22.24	22.02	23.5	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	22.05	22.22	22.04	23.5	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	22.11	22.20	22.08	23.5	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.06	22.24	22.00	23.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.09	22.17	22.02	23.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	22.15	22.21	22.02	23.5	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	22.89	22.92	22.80	24.3	0.0
40	PI/2 BPSK	1	53	22.79	22.89	22.78		
40	PI/2 BPSK	1	104	22.76	22.86	22.80		
40	PI/2 BPSK	50	0	22.26	22.37	22.25	23.8	0.5
40	PI/2 BPSK	50	28	22.78	22.88	22.83	24.3	0.0
40	PI/2 BPSK	50	56	22.31	22.35	22.27	23.8	0.5
40	PI/2 BPSK	100	0	22.08	22.21	22.16		
40	QPSK	1	1	22.81	22.94	22.88	24.3	0.0
40	QPSK	1	53	22.85	22.92	22.83		
40	QPSK	1	104	22.76	22.85	22.79		
40	QPSK	50	0	21.91	21.95	21.91	23.3	1.0
40	QPSK	50	28	22.82	22.89	22.78	24.3	0.0
40	QPSK	50	56	21.74	21.85	21.70	23.3	1.0
40	QPSK	100	0	21.90	22.01	21.86		
40	16QAM	1	1	21.82	21.89	21.83	23.3	1.0
40	64QAM	1	1	20.31	20.39	20.32	21.8	2.5
40	256QAM	1	1	18.40	18.54	18.41	19.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	24.5	0.0
30	QPSK	1	1	22.74	22.80	22.83	24.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	24.5	0.0
20	QPSK	1	1	22.70	22.86	22.76	24.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	24.5	0.0
15	QPSK	1	1	22.78	22.83	22.84	24.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	24.3	0.0
10	QPSK	1	1	22.73	22.82	22.78	24.3	0.0

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	22.86	22.92	22.84	24.5	0.0
100	PI/2 BPSK	1	137	22.77	22.90	22.77		
100	PI/2 BPSK	1	271	22.72	22.84	22.71		
100	PI/2 BPSK	135	0	22.29	22.39	22.31	24.0	0.5
100	PI/2 BPSK	135	69	22.75	22.87	22.76	24.5	0.0
100	PI/2 BPSK	135	138	22.08	22.22	22.08	24.0	0.5
100	PI/2 BPSK	270	0	22.19	22.33	22.29		
100	QPSK	1	1	22.69	22.98	22.88	24.5	0.0
100	QPSK	1	137	22.74	22.87	22.73		
100	QPSK	1	271	22.73	22.84	22.79		
100	QPSK	135	0	21.81	21.85	21.70	23.5	1.0
100	QPSK	135	69	22.79	22.90	22.83	24.5	0.0
100	QPSK	135	138	21.69	21.76	21.67	23.5	1.0
100	QPSK	270	0	21.84	21.96	21.86		
100	16QAM	1	1	21.79	21.90	21.80	23.5	1.0
100	64QAM	1	1	20.39	20.45	20.38	22.0	2.5
100	256QAM	1	1	18.57	18.90	18.46	20.0	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	24.5	0.0
90	QPSK	1	1	22.54	22.88	22.79	24.5	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	24.5	0.0
80	QPSK	1	1	22.63	22.87	22.75	24.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	24.5	0.0
70	QPSK	1	1	22.61	22.85	22.83	24.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	24.5	0.0
60	QPSK	1	1	22.61	22.91	22.81	24.5	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	24.5	0.0
50	QPSK	1	1	22.59	22.85	22.82	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	24.5	0.0
40	QPSK	1	1	22.65	22.84	22.79	24.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	24.5	0.0
30	QPSK	1	1	22.55	22.91	22.82	24.5	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	24.5	0.0
20	QPSK	1	1	22.66	22.94	22.80	24.5	0.0



PC3 Part270 n77 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	24.66	24.75	24.67	26.0	0.0
100	PI/2 BPSK	1	137	24.59	24.67	24.53		
100	PI/2 BPSK	1	271	24.64	24.71	24.59		
100	PI/2 BPSK	135	0	24.19	24.24	24.07		
100	PI/2 BPSK	135	69	24.54	24.66	24.59		
100	PI/2 BPSK	135	138	24.12	24.17	24.01		
100	PI/2 BPSK	270	0	24.09	24.20	24.17		
100	QPSK	1	1	24.72	24.79	24.68		
100	QPSK	1	137	24.49	24.64	24.51		
100	QPSK	1	271	24.42	24.52	24.40		
100	QPSK	135	0	23.57	23.68	23.60	25.0	1.0
100	QPSK	135	69	24.63	24.68	24.59	26.0	0.0
100	QPSK	135	138	23.54	23.60	23.48	25.0	1.0
100	QPSK	270	0	23.66	23.70	23.62	25.0	1.0
100	16QAM	1	1	23.71	23.84	23.80	25.0	1.0
100	64QAM	1	1	22.01	22.12	21.99	23.5	2.5
100	256QAM	1	1	20.27	20.34	20.21	21.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.60	24.64	24.55	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.67	24.71	24.55	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.65	24.67	24.59	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.62	24.74	24.55	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.65	24.65	24.59	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.70	24.71	24.60	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.66	24.76	24.62	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.62	24.67	24.55	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.58	24.69	24.53	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.67	24.72	24.58	23.0	0.0

PC2 Part270 n77 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	26.73	26.79	26.76	28.0	0.0
100	PI/2 BPSK	1	137	26.58	26.62	26.58		
100	PI/2 BPSK	1	271	26.65	26.70	26.61		
100	PI/2 BPSK	135	0	26.05	26.15	26.05		
100	PI/2 BPSK	135	69	26.54	26.62	26.50		
100	PI/2 BPSK	135	138	25.97	26.05	25.91		
100	PI/2 BPSK	270	0	26.03	26.14	26.02		
100	QPSK	1	1	26.81	26.89	26.68		
100	QPSK	1	137	26.60	26.74	26.67		
100	QPSK	1	271	26.49	26.66	26.57		
100	QPSK	135	0	25.64	25.68	25.65	27.0	1.0
100	QPSK	135	69	26.71	26.78	26.65	28.0	0.0
100	QPSK	135	138	25.48	25.58	25.54	27.0	1.0
100	QPSK	270	0	25.66	25.70	25.60	27.0	1.0
100	16QAM	1	1	25.64	25.77	25.63	27.0	1.0
100	64QAM	1	1	23.94	23.95	23.94	25.5	2.5
100	256QAM	1	1	22.34	22.39	22.33	23.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.79	26.83	26.59	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.75	26.77	26.65	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.68	26.80	26.53	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.74	26.84	26.66	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.72	26.81	26.58	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.68	26.86	26.56	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.71	26.79	26.62	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.73	26.87	26.52	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.67	26.84	26.58	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.77	26.84	26.57	23.0	0.0



PC3 Part27Q n77 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	24.71	24.71	24.71	26.0	0.0
100	PI/2 BPSK	1	137	24.76	24.76	24.76		
100	PI/2 BPSK	1	271	24.68	24.68	24.68		
100	PI/2 BPSK	135	0	24.20	24.20	24.20		
100	PI/2 BPSK	135	69	24.72	24.72	24.72		
100	PI/2 BPSK	135	138	24.24	24.24	24.24		
100	PI/2 BPSK	270	0	24.26	24.26	24.26		
100	QPSK	1	1	24.77	24.77	24.77		
100	QPSK	1	137	24.69	24.69	24.69		
100	QPSK	1	271	24.73	24.73	24.73		
100	QPSK	135	0	23.65	23.65	23.65	25.0	1.0
100	QPSK	135	69	24.70	24.70	24.70	26.0	0.0
100	QPSK	135	138	23.72	23.72	23.72	25.0	1.0
100	QPSK	270	0	23.71	23.71	23.71	25.0	1.0
100	16QAM	1	1	23.73	23.73	23.73	25.0	1.0
100	64QAM	1	1	22.21	22.21	22.21	23.5	2.5
100	256QAM	1	1	20.22	20.22	20.22	21.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.87	24.85	24.83	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.84	24.81	24.83	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.71	24.74	24.73	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.87	24.74	24.71	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.75	24.61	24.63	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.69	24.65	24.61	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.66	24.65	24.67	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.70	24.60	24.74	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.61	24.72	24.72	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.67	24.73	24.74	23.0	0.0

PC2 Part27Q n77 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	26.70	26.70	26.70	28.0	0.0
100	PI/2 BPSK	1	137	26.66	26.66	26.66		
100	PI/2 BPSK	1	271	26.64	26.64	26.64		
100	PI/2 BPSK	135	0	26.15	26.15	26.15		
100	PI/2 BPSK	135	69	26.66	26.66	26.66		
100	PI/2 BPSK	135	138	26.06	26.06	26.06		
100	PI/2 BPSK	270	0	26.12	26.12	26.12		
100	QPSK	1	1	26.74	26.74	26.74		
100	QPSK	1	137	26.63	26.63	26.63		
100	QPSK	1	271	26.61	26.61	26.61		
100	QPSK	135	0	25.58	25.58	25.58	27.0	1.0
100	QPSK	135	69	26.69	26.69	26.69	28.0	0.0
100	QPSK	135	138	25.54	25.54	25.54	27.0	1.0
100	QPSK	270	0	25.63	25.63	25.63	27.0	1.0
100	16QAM	1	1	25.68	25.68	25.68	27.0	1.0
100	64QAM	1	1	24.20	24.20	24.20	25.5	2.5
100	256QAM	1	1	22.12	22.12	22.12	23.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.89	26.88	26.71	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.82	26.81	26.70	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.88	26.83	26.83	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.81	26.88	26.82	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.89	26.88	26.80	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.70	26.70	26.64	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.87	26.71	26.69	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.71	26.65	26.59	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.80	26.83	26.66	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.88	26.89	26.60	23.0	0.0



PC3 Part270 n78 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	24.67	24.67				
100	PI/2 BPSK	1	137	24.58	24.58		26.0	0.0	
100	PI/2 BPSK	1	271	24.64	24.64				
100	PI/2 BPSK	135	0	24.36	24.36		25.5	0.5	
100	PI/2 BPSK	135	69	24.67	24.67		26.0	0.0	
100	PI/2 BPSK	135	138	24.28	24.28				
100	PI/2 BPSK	270	0	24.33	24.33		25.5	0.5	
100	QPSK	1	1	24.69	24.69				
100	QPSK	1	137	24.67	24.67		26.0	0.0	
100	QPSK	1	271	24.62	24.62				
100	QPSK	135	0	23.78	23.78		25.0	1.0	
100	QPSK	135	69	24.64	24.64		26.0	0.0	
100	QPSK	135	138	23.75	23.75		25.0	1.0	
100	QPSK	270	0	23.74	23.74				
100	16QAM	1	1	23.68	23.68		25.0	1.0	
100	64QAM	1	1	22.21	22.21		23.5	2.5	
100	256QAM	1	1	20.26	20.26		21.5	4.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	24.85	24.56	24.52	23.0	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	24.57	24.57	24.57	23.0	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	24.84	24.80	24.84	23.0	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	24.67	24.62	24.63	23.0	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	24.52	24.61	24.55	23.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	24.81	24.83	24.59	23.0	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	24.60	24.54	24.60	23.0	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	24.66	24.66	24.56	23.0	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.62	3750	3792.51			
15	QPSK	1	1	24.81	24.85	24.68	23.0	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	24.55	24.53	24.67	23.0	0.0	

PC2 Part270 n78 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	26.78	26.78				
100	PI/2 BPSK	1	137	26.72	26.72		28.0	0.0	
100	PI/2 BPSK	1	271	26.70	26.70				
100	PI/2 BPSK	135	0	26.26	26.26		27.5	0.5	
100	PI/2 BPSK	135	69	26.76	26.76		28.0	0.0	
100	PI/2 BPSK	135	138	26.27	26.27				
100	PI/2 BPSK	270	0	26.28	26.28		27.5	0.5	
100	QPSK	1	1	26.80	26.80				
100	QPSK	1	137	26.76	26.76		28.0	0.0	
100	QPSK	1	271	26.78	26.78				
100	QPSK	135	0	25.74	25.74		27.0	1.0	
100	QPSK	135	69	26.72	26.72		28.0	0.0	
100	QPSK	135	138	25.76	25.76		27.0	1.0	
100	QPSK	270	0	25.74	25.74				
100	16QAM	1	1	25.96	25.96		27.0	1.0	
100	64QAM	1	1	24.33	24.33		25.5	2.5	
100	256QAM	1	1	22.24	22.24		23.5	4.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	26.74	26.78	26.74	23.0	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	26.88	26.71	26.72	23.0	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	26.87	26.86	26.78	23.0	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	26.79	26.76	26.71	23.0	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	26.72	26.83	26.87	23.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	26.85	26.86	26.83	23.0	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	26.76	26.77	26.87	23.0	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	26.76	26.76	26.76	23.0	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.62	3750	3792.51			
15	QPSK	1	1	26.83	26.88	26.71	23.0	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	26.76	26.76	26.75	23.0	0.0	



PC3 Part27Q n78 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	24.60	24.60	24.60	26.0	0.0	
100	PI/2 BPSK	1	137	24.53	24.53	24.53			
100	PI/2 BPSK	1	271	24.60	24.60	24.60			
100	PI/2 BPSK	135	0	24.27	24.27	24.27			
100	PI/2 BPSK	135	69	24.58	24.58	24.58			
100	PI/2 BPSK	135	138	24.21	24.21	24.21			
100	PI/2 BPSK	270	0	24.24	24.24	24.24			
100	QPSK	1	1	24.64	24.64	24.64			
100	QPSK	1	137	24.58	24.58	24.58			
100	QPSK	1	271	24.45	24.45	24.45			
100	QPSK	135	0	23.71	23.71	23.71	25.0	1.0	
100	QPSK	135	69	24.56	24.56	24.56	26.0	0.0	
100	QPSK	135	138	23.62	23.62	23.62	25.0	1.0	
100	QPSK	270	0	23.67	23.67	23.67	25.0	1.0	
100	16QAM	1	1	23.62	23.62	23.62	25.0	1.0	
100	64QAM	1	1	21.94	21.94	21.94	23.5	2.5	
100	256QAM	1	1	20.22	20.22	20.22	21.5	4.5	
Channel				633000					
Frequency (MHz)				3495					
90	QPSK	1	1	24.50	24.52	24.60	28.0	0.0	
Channel				632668					
Frequency (MHz)				3490.02					
80	QPSK	1	1	24.40	24.40	24.55	28.0	0.0	
Channel				632334					
Frequency (MHz)				3485.01					
70	QPSK	1	1	24.48	24.50	24.54	28.0	0.0	
Channel				632000					
Frequency (MHz)				3480					
60	QPSK	1	1	24.52	24.50	24.54	28.0	0.0	
Channel				631668					
Frequency (MHz)				3475.02					
50	QPSK	1	1	24.54	24.40	24.61	28.0	0.0	
Channel				631334					
Frequency (MHz)				3470.01					
40	QPSK	1	1	24.50	24.51	24.58	28.0	0.0	
Channel				631000					
Frequency (MHz)				3465					
30	QPSK	1	1	24.47	24.55	24.50	28.0	0.0	
Channel				630668					
Frequency (MHz)				3460.02					
20	QPSK	1	1	24.60	24.52	24.53	28.0	0.0	
Channel				630500					
Frequency (MHz)				3457.5					
15	QPSK	1	1	24.57	24.62	24.52	28.0	0.0	
Channel				630334					
Frequency (MHz)				3455.01					
10	QPSK	1	1	24.51	24.60	24.53	28.0	0.0	

PC2 Part27Q n78 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	26.63	26.63	26.63	28.0	0.0	
100	PI/2 BPSK	1	137	26.60	26.60	26.60			
100	PI/2 BPSK	1	271	26.58	26.58	26.58			
100	PI/2 BPSK	135	0	26.17	26.17	26.17			
100	PI/2 BPSK	135	69	26.64	26.64	26.64			
100	PI/2 BPSK	135	138	26.14	26.14	26.14			
100	PI/2 BPSK	270	0	26.12	26.12	26.12			
100	QPSK	1	1	26.70	26.70	26.70			
100	QPSK	1	137	26.61	26.61	26.61			
100	QPSK	1	271	26.66	26.66	26.66			
100	QPSK	135	0	25.59	25.59	25.59	27.0	1.0	
100	QPSK	135	69	26.62	26.62	26.62	28.0	0.0	
100	QPSK	135	138	25.68	25.68	25.68	27.0	1.0	
100	QPSK	270	0	25.59	25.59	25.59	27.0	1.0	
100	16QAM	1	1	25.59	25.59	25.59	27.0	1.0	
100	64QAM	1	1	23.95	23.95	23.95	25.5	2.5	
100	256QAM	1	1	22.39	22.39	22.39	23.5	4.5	
Channel				633000					
Frequency (MHz)				3495					
90	QPSK	1	1	28.67	28.63	28.53	28.0	0.0	
Channel				632668					
Frequency (MHz)				3490.02					
80	QPSK	1	1	28.62	28.65	28.58	28.0	0.0	
Channel				632334					
Frequency (MHz)				3485.01					
70	QPSK	1	1	28.58	28.67	28.58	28.0	0.0	
Channel				632000					
Frequency (MHz)				3480					
60	QPSK	1	1	28.56	28.68	28.62	28.0	0.0	
Channel				631668					
Frequency (MHz)				3475.02					
50	QPSK	1	1	28.59	28.64	28.57	28.0	0.0	
Channel				631334					
Frequency (MHz)				3470.01					
40	QPSK	1	1	28.64	28.57	28.59	28.0	0.0	
Channel				631000					
Frequency (MHz)				3465					
30	QPSK	1	1	28.63	28.61	28.66	28.0	0.0	
Channel				630668					
Frequency (MHz)				3460.02					
20	QPSK	1	1	28.61	28.62	28.63	28.0	0.0	
Channel				630500					
Frequency (MHz)				3457.5					
15	QPSK	1	1	28.64	28.54	28.57	28.0	0.0	
Channel				630334					
Frequency (MHz)				3455.01					
10	QPSK	1	1	28.59	28.64	28.63	28.0	0.0	



### PC3 Part270 n77 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Tune-up limit (dBm)	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	23.29	23.42		22.55		
100	PI/2 BPSK	1	137	23.23	23.33	25.1	22.40	24.0	0.0
100	PI/2 BPSK	1	271	23.32	23.47		22.52		
100	PI/2 BPSK	135	0	22.87	22.97	24.6	22.03	24.0	0.0
100	PI/2 BPSK	135	69	23.33	23.37	25.1	22.40	24.0	0.0
100	PI/2 BPSK	135	138	22.82	23.05	24.6	22.13	24.0	0.0
100	PI/2 BPSK	270	0	22.86	22.89		21.98		
100	QPSK	1	1	23.52	23.56		22.58		
100	QPSK	1	137	23.30	23.42	25.1	22.45	24.0	0.0
100	QPSK	1	271	23.39	23.48		22.57		
100	QPSK	135	0	22.29	22.32	24.1	21.42	24.0	0.0
100	QPSK	135	69	23.47	23.54	25.1	22.68	24.0	0.0
100	QPSK	135	138	22.37	22.33	24.1	21.39	24.0	0.0
100	QPSK	270	0	22.26	22.38		21.49		
100	16QAM	1	1	22.46	22.53	24.1	21.67	24.0	0.0
100	64QAM	1	1	20.87	21.41	22.6	20.11	24.0	0.0
100	256QAM	1	1	19.05	19.15	20.6	18.25	24.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.44	23.54	25.1	22.53	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.37	23.45	25.1	22.45	24.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.49	23.47	25.1	22.45	24.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.45	23.39	25.1	22.51	24.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.38	23.50	25.1	22.44	24.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.35	23.46	25.1	22.47	24.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.47	23.46	25.1	22.42	24.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.38	23.39	25.1	22.54	24.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.41	23.41	25.1	22.49	24.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.45	23.42	25.1	22.45	24.0	0.0

### PC2 Part270 n77 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Tune-up limit (dBm)	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	25.37	25.42		24.76		
100	PI/2 BPSK	1	137	25.26	25.32	27.1	24.73	26.6	0.0
100	PI/2 BPSK	1	271	25.35	25.50		24.74		
100	PI/2 BPSK	135	0	24.75	24.87	26.6	24.73	26.6	0.0
100	PI/2 BPSK	135	69	25.30	25.37	27.1	24.65	26.6	0.0
100	PI/2 BPSK	135	138	24.86	24.95	26.6	24.64	26.6	0.0
100	PI/2 BPSK	270	0	24.77	24.90		24.74		
100	QPSK	1	1	25.40	25.56		24.83		
100	QPSK	1	137	25.25	25.34	27.1	24.79	26.6	0.0
100	QPSK	1	271	25.40	25.50		24.78		
100	QPSK	135	0	24.31	24.35	26.1	23.72	26.6	0.0
100	QPSK	135	69	25.42	25.47	27.1	24.71	26.6	0.0
100	QPSK	135	138	24.24	24.29	26.1	23.79	26.6	0.0
100	QPSK	270	0	24.23	24.40		23.77		
100	16QAM	1	1	24.36	24.44	26.1	23.72	26.6	0.0
100	64QAM	1	1	22.63	22.95	24.6	22.40	26.6	0.0
100	256QAM	1	1	20.99	21.03	22.6	20.41	26.6	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.24	25.48	27.1	24.71	26.6	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.28	25.52	27.1	24.71	26.6	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.32	25.42	27.1	24.70	26.6	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.37	25.46	27.1	24.69	26.6	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.34	25.41	27.1	24.66	26.6	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.28	25.47	27.1	24.64	26.6	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.35	25.51	27.1	24.67	26.6	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.38	25.48	27.1	24.63	26.6	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.27	25.45	27.1	24.67	26.6	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.33	25.42	27.1	24.67	26.6	0.0





PC3 Part27Q n77 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	23.39	633334				
100	PI/2 BPSK	1	137	23.41	633334		25.1	0.0	
100	PI/2 BPSK	1	271	23.45	633334				
100	PI/2 BPSK	135	0	22.63	633334		24.6	0.5	
100	PI/2 BPSK	135	69	23.38	633334		25.1	0.0	
100	PI/2 BPSK	135	138	22.92	633334				
100	PI/2 BPSK	270	0	22.62	633334		24.6	0.5	
100	QPSK	1	1	23.54	633334				
100	QPSK	1	137	23.38	633334		25.1	0.0	
100	QPSK	1	271	23.53	633334				
100	QPSK	135	0	22.30	633334		24.1	1.0	
100	QPSK	135	69	23.31	633334		25.1	0.0	
100	QPSK	135	138	22.41	633334		24.1	1.0	
100	QPSK	270	0	22.42	633334				
100	16QAM	1	1	22.58	633334		24.1	1.0	
100	64QAM	1	1	20.92	633334		22.6	2.5	
100	256QAM	1	1	18.79	633334		20.6	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.48	633000	633668	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02	25.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.49	632668	634000	Tune-up limit (dBm)	MPR (dB)	
				3499.02	3500.01	3510	25.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.40	632334	634334	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3515.01	25.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.41	632000	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02	25.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.44	631668	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525	25.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.39	631334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3500.01	3530.01	25.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.51	631000	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02	25.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.39	630668	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540	25.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.45	630500	636168	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500.01	3542.52	25.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.38	630334	636334	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500.01	3545.01	25.1	0.0	

PC2 Part27Q n77 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	25.32	633334				
100	PI/2 BPSK	1	137	25.23	633334		27.1	0.0	
100	PI/2 BPSK	1	271	25.49	633334				
100	PI/2 BPSK	135	0	24.86	633334		26.6	0.5	
100	PI/2 BPSK	135	69	25.31	633334		27.1	0.0	
100	PI/2 BPSK	135	138	24.92	633334				
100	PI/2 BPSK	270	0	24.80	633334		26.6	0.5	
100	QPSK	1	1	25.55	633334				
100	QPSK	1	137	25.35	633334		27.1	0.0	
100	QPSK	1	271	25.46	633334				
100	QPSK	135	0	24.28	633334		26.1	1.0	
100	QPSK	135	69	25.37	633334		27.1	0.0	
100	QPSK	135	138	24.41	633334				
100	QPSK	270	0	24.47	633334		26.1	1.0	
100	16QAM	1	1	24.39	633334		26.1	1.0	
100	64QAM	1	1	22.89	633334		24.6	2.5	
100	256QAM	1	1	20.76	633334		22.6	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.48	633000	633668	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02	27.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.43	632668	634000	Tune-up limit (dBm)	MPR (dB)	
				3499.02	3500.01	3510	27.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.48	632334	634334	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3515.01	27.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.45	632000	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02	27.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.44	631668	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525	27.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.43	631334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3500.01	3530.01	27.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.50	631000	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02	27.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.44	630668	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540	27.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.48	630500	636168	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500.01	3542.52	27.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.51	630334	636334	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500.01	3545.01	27.1	0.0	



PC3 Part270 n78 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		23.28				
100	PI/2 BPSK	1	137		23.20		25.1	0.0	
100	PI/2 BPSK	1	271		23.16				
100	PI/2 BPSK	135	0		22.71		24.6	0.5	
100	PI/2 BPSK	135	69		23.20		25.1	0.0	
100	PI/2 BPSK	135	138		22.74		24.6	0.5	
100	PI/2 BPSK	270	0		22.69				
100	QPSK	1	1		23.34				
100	QPSK	1	137		23.22		25.1	0.0	
100	QPSK	1	271		23.15				
100	QPSK	135	0		22.11		24.1	1.0	
100	QPSK	135	69		23.15		25.1	0.0	
100	QPSK	135	138		22.12		24.1	1.0	
100	QPSK	270	0		22.13				
100	16QAM	1	1		22.23		24.1	1.0	
100	64QAM	1	1		20.69		22.6	2.5	
100	256QAM	1	1		18.65		20.6	4.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		23.27	23.20	23.20	25.1	0.0
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		23.21	23.31	23.10	25.1	0.0
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		23.21	23.27	23.10	25.1	0.0
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		23.20	23.20	23.31	25.1	0.0
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		23.19	23.20	23.22	25.1	0.0
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		23.20	23.20	23.20	25.1	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		23.18	23.27	23.17	25.1	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		23.22	23.21	23.21	25.1	0.0
Channel				647168	650000	652834			
Frequency (MHz)				3707.62	3750	3792.61			
15	QPSK	1	1		23.30	23.31	23.29	25.1	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		23.20	23.23	23.28	25.1	0.0

PC2 Part270 n78 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		25.21				
100	PI/2 BPSK	1	137		25.28		27.1	0.0	
100	PI/2 BPSK	1	271		25.30				
100	PI/2 BPSK	135	0		24.64		26.6	0.5	
100	PI/2 BPSK	135	69		25.24		27.1	0.0	
100	PI/2 BPSK	135	138		24.79		26.6	0.5	
100	PI/2 BPSK	270	0		24.65				
100	QPSK	1	1		25.31				
100	QPSK	1	137		25.29		27.1	0.0	
100	QPSK	1	271		25.23				
100	QPSK	135	0		24.15		26.1	1.0	
100	QPSK	135	69		25.21		27.1	0.0	
100	QPSK	135	138		24.32		26.1	1.0	
100	QPSK	270	0		24.22				
100	16QAM	1	1		24.17		26.1	1.0	
100	64QAM	1	1		22.92		24.6	2.5	
100	256QAM	1	1		20.70		22.6	4.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.18	25.28	25.21	27.1	0.0
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.15	25.20	25.28	27.1	0.0
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.25	25.29	25.20	27.1	0.0
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.17	25.20	25.18	27.1	0.0
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.28	25.29	25.25	27.1	0.0
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.23	25.17	25.28	27.1	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.17	25.28	25.24	27.1	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.15	25.18	25.25	27.1	0.0
Channel				647168	650000	652834			
Frequency (MHz)				3707.62	3750	3792.61			
15	QPSK	1	1		25.19	25.18	25.14	27.1	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.23	25.29	25.28	27.1	0.0



PC3 Part27Q n78 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	23.45	23.45	23.45	25.1	0.0	
100	PI/2 BPSK	1	137	23.43	23.43	23.43			
100	PI/2 BPSK	1	271	23.31	23.31	23.31			
100	PI/2 BPSK	135	0	22.89	22.89	22.89			
100	PI/2 BPSK	135	69	23.33	23.33	23.33			
100	PI/2 BPSK	135	138	22.86	22.86	22.86			
100	PI/2 BPSK	270	0	22.78	22.78	22.78			
100	QPSK	1	1	23.51	23.51	23.51			
100	QPSK	1	137	23.46	23.46	23.46			
100	QPSK	1	271	23.19	23.19	23.19			
100	QPSK	135	0	22.29	22.29	22.29	24.1	1.0	
100	QPSK	135	69	23.39	23.39	23.39	25.1	0.0	
100	QPSK	135	138	22.36	22.36	22.36	24.1	1.0	
100	QPSK	270	0	22.34	22.34	22.34	24.1	1.0	
100	16QAM	1	1	22.16	22.16	22.16	24.1	1.0	
100	64QAM	1	1	20.78	20.78	20.78	22.6	2.5	
100	256QAM	1	1	18.64	18.64	18.64	20.6	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.40	23.37	23.35	25.1	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	23.35	23.43	23.43	25.1	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	23.42	23.37	23.42	25.1	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	23.35	23.47	23.48	25.1	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	23.42	23.43	23.48	25.1	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.30	23.37	23.41	25.1	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	23.45	23.46	23.34	25.1	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	23.39	23.35	23.43	25.1	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	23.47	23.38	23.45	25.1	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	23.38	23.38	23.39	25.1	0.0	

PC2 Part27Q n78 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	25.36	25.36	25.36	27.1	0.0	
100	PI/2 BPSK	1	137	25.43	25.43	25.43			
100	PI/2 BPSK	1	271	25.50	25.50	25.50			
100	PI/2 BPSK	135	0	24.84	24.84	24.84			
100	PI/2 BPSK	135	69	25.41	25.41	25.41			
100	PI/2 BPSK	135	138	24.85	24.85	24.85			
100	PI/2 BPSK	270	0	24.86	24.86	24.86			
100	QPSK	1	1	25.52	25.52	25.52			
100	QPSK	1	137	25.45	25.45	25.45			
100	QPSK	1	271	25.41	25.41	25.41			
100	QPSK	135	0	24.34	24.34	24.34	26.1	1.0	
100	QPSK	135	69	25.39	25.39	25.39	27.1	0.0	
100	QPSK	135	138	24.46	24.46	24.46	26.1	1.0	
100	QPSK	270	0	24.37	24.37	24.37	26.1	1.0	
100	16QAM	1	1	24.34	24.34	24.34	26.1	1.0	
100	64QAM	1	1	22.98	22.98	22.98	24.6	2.5	
100	256QAM	1	1	20.72	20.72	20.72	22.6	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	25.46	25.51	25.47	27.1	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	25.42	25.43	25.41	27.1	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	25.47	25.51	25.40	27.1	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	25.44	25.43	25.42	27.1	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	25.43	25.40	25.40	27.1	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	25.50	25.51	25.51	27.1	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	25.45	25.44	25.43	27.1	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	25.48	25.48	25.48	27.1	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	25.46	25.45	25.40	27.1	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	25.45	25.39	25.43	27.1	0.0	



PC3 Part270 n77 Ant8 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	23.71	23.85	23.80	25.5	0.0	
100	PI/2 BPSK	1	137	23.86	23.75	23.70			
100	PI/2 BPSK	1	271	23.74	23.77	23.65			
100	PI/2 BPSK	135	0	23.17	23.30	23.24	25.0	0.5	
100	PI/2 BPSK	135	69	23.68	23.78	23.63	25.5	0.0	
100	PI/2 BPSK	135	138	23.22	23.27	23.11	25.0	0.5	
100	PI/2 BPSK	270	0	23.25	23.33	23.24			
100	QPSK	1	1	23.85	23.92	23.72			
100	QPSK	1	137	23.71	23.63	23.76	25.5	0.0	
100	QPSK	1	271	23.74	23.65	23.73			
100	QPSK	135	0	22.87	22.92	22.76			
100	QPSK	135	69	23.81	23.69	23.69	25.5	0.0	
100	QPSK	135	138	22.73	22.82	22.72	24.5	1.0	
100	QPSK	270	0	22.78	22.83	22.66			
100	16QAM	1	1	22.56	22.61	22.58			
100	64QAM	1	1	21.25	21.30	21.21	23.0	2.5	
100	256QAM	1	1	19.25	19.41	19.37	21.0	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.81	23.80	23.67	25.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.78	23.81	23.57	25.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.83	23.83	23.63	25.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.74	23.83	23.65	25.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.70	23.70	23.55	25.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.79	23.86	23.59	25.5	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.71	23.80	23.60	25.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.69	23.81	23.63	25.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51			
15	QPSK	1	1	23.82	23.87	23.67	25.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.78	23.88	23.57	25.5	0.0	

PC2 Part270 n77 Ant8 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.72	25.87	25.82	27.5	0.0	
100	PI/2 BPSK	1	137	25.86	25.94	25.82			
100	PI/2 BPSK	1	271	25.91	26.00	25.86			
100	PI/2 BPSK	135	0	25.31	25.47	25.37	27.0	0.5	
100	PI/2 BPSK	135	69	25.77	25.92	25.77	27.5	0.0	
100	PI/2 BPSK	135	138	25.30	25.44	25.39	27.0	0.5	
100	PI/2 BPSK	270	0	25.36	25.45	25.30			
100	QPSK	1	1	25.96	26.01	25.83			
100	QPSK	1	137	25.86	25.93	25.91	27.5	0.0	
100	QPSK	1	271	25.93	25.99	25.95			
100	QPSK	135	0	24.78	24.95	24.90			
100	QPSK	135	69	25.81	25.87	25.70	27.5	0.0	
100	QPSK	135	138	24.77	24.88	24.84	26.5	1.0	
100	QPSK	270	0	24.80	24.86	24.69			
100	16QAM	1	1	24.89	24.98	24.89			
100	64QAM	1	1	23.30	23.62	23.50	25.0	2.5	
100	256QAM	1	1	21.41	21.53	21.47	23.0	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.87	25.98	25.79	27.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.81	25.95	25.74	27.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.87	25.99	25.79	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	25.90	25.87	25.67	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	25.91	25.96	25.67	27.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.89	25.87	25.71	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	25.81	25.96	25.76	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	25.84	25.96	25.72	27.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	25.92	25.87	25.72	27.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.82	25.97	25.80	27.5	0.0	



PC3 Part27Q n77 Ant8 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	23.78	23.78			
100	PI/2 BPSK	1	137	23.62	23.62		25.5	0.0
100	PI/2 BPSK	1	271	23.67	23.67			
100	PI/2 BPSK	135	0	23.06	23.06		25.0	0.5
100	PI/2 BPSK	135	69	23.66	23.66		25.5	0.0
100	PI/2 BPSK	135	138	23.22	23.22		25.0	0.5
100	PI/2 BPSK	270	0	23.11	23.11			
100	QPSK	1	1	23.60	23.60			
100	QPSK	1	137	23.65	23.65		25.5	0.0
100	QPSK	1	271	23.72	23.72			
100	QPSK	135	0	22.59	22.59		24.5	1.0
100	QPSK	135	69	23.76	23.76		25.5	0.0
100	QPSK	135	138	22.71	22.71		24.5	1.0
100	QPSK	270	0	22.68	22.68			
100	16QAM	1	1	22.78	22.78		24.5	1.0
100	64QAM	1	1	21.32	21.32		23.0	2.5
100	256QAM	1	1	19.21	19.21		21.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	25.5	0.0
90	QPSK	1	1	23.69	23.70	23.62	25.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	25.5	0.0
80	QPSK	1	1	23.72	23.72	23.68	25.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	25.5	0.0
70	QPSK	1	1	23.65	23.65	23.69	25.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	25.5	0.0
60	QPSK	1	1	23.59	23.72	23.61	25.5	0.0
Channel				631668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	25.5	0.0
50	QPSK	1	1	23.69	23.70	23.72	25.5	0.0
Channel				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	25.5	0.0
40	QPSK	1	1	23.68	23.77	23.74	25.5	0.0
Channel				631000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	25.5	0.0
30	QPSK	1	1	23.72	23.71	23.71	25.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	25.5	0.0
20	QPSK	1	1	23.71	23.70	23.69	25.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	25.5	0.0
15	QPSK	1	1	23.70	23.70	23.65	25.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	25.5	0.0
10	QPSK	1	1	23.71	23.68	23.72	25.5	0.0

PC2 Part27Q n77 Ant8 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	25.80	25.80			
100	PI/2 BPSK	1	137	25.64	25.64		27.5	0.0
100	PI/2 BPSK	1	271	25.77	25.77			
100	PI/2 BPSK	135	0	25.10	25.10		27.0	0.5
100	PI/2 BPSK	135	69	25.62	25.62		27.5	0.0
100	PI/2 BPSK	135	138	25.15	25.15		27.0	0.5
100	PI/2 BPSK	270	0	25.11	25.11			
100	QPSK	1	1	25.94	25.94			
100	QPSK	1	137	25.70	25.70		27.5	0.0
100	QPSK	1	271	25.80	25.80			
100	QPSK	135	0	24.69	24.69		26.5	1.0
100	QPSK	135	69	25.63	25.63		27.5	0.0
100	QPSK	135	138	24.71	24.71		26.5	1.0
100	QPSK	270	0	24.78	24.78			
100	16QAM	1	1	24.76	24.76		26.5	1.0
100	64QAM	1	1	23.37	23.37		25.0	2.5
100	256QAM	1	1	21.29	21.29		23.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	27.5	0.0
90	QPSK	1	1	25.69	25.80	25.79	27.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	27.5	0.0
80	QPSK	1	1	25.62	25.80	25.76	27.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	27.5	0.0
70	QPSK	1	1	25.78	25.67	25.64	27.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	27.5	0.0
60	QPSK	1	1	25.63	25.68	25.79	27.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	27.5	0.0
50	QPSK	1	1	25.64	25.78	25.67	27.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	27.5	0.0
40	QPSK	1	1	25.65	25.67	25.77	27.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	27.5	0.0
30	QPSK	1	1	25.71	25.75	25.79	27.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	27.5	0.0
20	QPSK	1	1	25.67	25.79	25.75	27.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	27.5	0.0
15	QPSK	1	1	25.68	25.75	25.69	27.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	27.5	0.0
10	QPSK	1	1	25.64	25.78	25.67	27.5	0.0



PC3 Part270 n78 Ant8 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	23.74					
100	PI/2 BPSK	1	137	23.78			25.5	0.0	
100	PI/2 BPSK	1	271	23.82					
100	PI/2 BPSK	135	0	23.35			25.0	0.5	
100	PI/2 BPSK	135	69	23.60			25.5	0.0	
100	PI/2 BPSK	135	138	23.29			25.0	0.5	
100	PI/2 BPSK	270	0	23.38					
100	QPSK	1	1	23.68					
100	QPSK	1	137	23.76			25.5	0.0	
100	QPSK	1	271	23.84					
100	QPSK	135	0	22.64			24.5	1.0	
100	QPSK	135	69	23.65			25.5	0.0	
100	QPSK	135	138	22.82			24.5	1.0	
100	QPSK	270	0	22.87					
100	16QAM	1	1	22.82			24.5	1.0	
100	64QAM	1	1	21.34			23.0	2.5	
100	256QAM	1	1	19.47			21.0	4.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	23.72	23.78	23.76	25.5	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	23.78	23.77	23.72	25.5	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	23.71	23.83	23.76	25.5	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	23.78	23.81	23.77	25.5	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	23.80	23.72	23.71	25.5	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.72	23.72	23.82	25.5	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	23.77	23.83	23.80	25.5	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	23.68	23.84	23.69	25.5	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.62	3750	3792.51			
15	QPSK	1	1	23.71	23.85	23.80	25.5	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	23.80	23.78	23.79	25.5	0.0	

PC2 Part270 n78 Ant8 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	25.80					
100	PI/2 BPSK	1	137	25.78			27.5	0.0	
100	PI/2 BPSK	1	271	25.82					
100	PI/2 BPSK	135	0	25.27			27.0	0.5	
100	PI/2 BPSK	135	69	25.79			27.5	0.0	
100	PI/2 BPSK	135	138	25.24			27.0	0.5	
100	PI/2 BPSK	270	0	25.25					
100	QPSK	1	1	25.84					
100	QPSK	1	137	25.78			27.5	0.0	
100	QPSK	1	271	25.82					
100	QPSK	135	0	24.76			26.5	1.0	
100	QPSK	135	69	25.79			27.5	0.0	
100	QPSK	135	138	24.87			26.5	1.0	
100	QPSK	270	0	24.82					
100	16QAM	1	1	24.89			26.5	1.0	
100	64QAM	1	1	23.28			25.0	2.5	
100	256QAM	1	1	21.44			23.0	4.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	25.78	25.71	25.78	27.5	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	25.87	25.79	25.78	27.5	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	25.83	25.73	25.71	27.5	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	25.74	25.74	25.78	27.5	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	25.87	25.80	25.68	27.5	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	25.75	25.69	25.72	27.5	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	25.76	25.68	25.68	27.5	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	25.68	25.77	25.76	27.5	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	25.68	25.73	25.79	27.5	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	25.73	25.76	25.68	27.5	0.0	



PC3 Part27Q n78 Ant8 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	23.78	23.78		25.5	0.0	
100	PI/2 BPSK	1	137	23.73	23.73				
100	PI/2 BPSK	1	271	23.75	23.75				
100	PI/2 BPSK	135	0	23.24	23.24		25.0	0.5	
100	PI/2 BPSK	135	69	23.75	23.75		25.5	0.0	
100	PI/2 BPSK	135	138	23.39	23.39		25.0	0.5	
100	PI/2 BPSK	270	0	23.30	23.30				
100	QPSK	1	1	23.79	23.79		25.5	0.0	
100	QPSK	1	137	23.68	23.68				
100	QPSK	1	271	23.74	23.74				
100	QPSK	135	0	22.68	22.68		24.5	1.0	
100	QPSK	135	69	23.70	23.70		25.5	0.0	
100	QPSK	135	138	22.84	22.84		24.5	1.0	
100	QPSK	270	0	22.76	22.76				
100	16QAM	1	1	22.86	22.86		24.5	1.0	
100	64QAM	1	1	21.32	21.32		23.0	2.5	
100	256QAM	1	1	19.34	19.34		21.0	4.5	
Channel				633000					
Frequency (MHz)				3495					
90	QPSK	1	1	23.64	23.76	23.63	25.5	0.0	
Channel				632668					
Frequency (MHz)				3490.02					
80	QPSK	1	1	23.84	23.77	23.84	25.5	0.0	
Channel				632334					
Frequency (MHz)				3485.01					
70	QPSK	1	1	23.74	23.60	23.63	25.5	0.0	
Channel				632000					
Frequency (MHz)				3480					
60	QPSK	1	1	23.60	23.70	23.63	25.5	0.0	
Channel				631668					
Frequency (MHz)				3475.02					
50	QPSK	1	1	23.65	23.71	23.62	25.5	0.0	
Channel				631334					
Frequency (MHz)				3470.01					
40	QPSK	1	1	23.69	23.72	23.70	25.5	0.0	
Channel				631000					
Frequency (MHz)				3465					
30	QPSK	1	1	23.70	23.70	23.65	25.5	0.0	
Channel				630668					
Frequency (MHz)				3460.02					
20	QPSK	1	1	23.62	23.73	23.72	25.5	0.0	
Channel				630500					
Frequency (MHz)				3457.5					
15	QPSK	1	1	23.72	23.75	23.61	25.5	0.0	
Channel				630334					
Frequency (MHz)				3455.01					
10	QPSK	1	1	23.67	23.74	23.65	25.5	0.0	

PC2 Part27Q n78 Ant8 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	25.75	25.75		27.5	0.0	
100	PI/2 BPSK	1	137	25.70	25.70				
100	PI/2 BPSK	1	271	25.78	25.78				
100	PI/2 BPSK	135	0	25.18	25.18		27.0	0.5	
100	PI/2 BPSK	135	69	25.66	25.66		27.5	0.0	
100	PI/2 BPSK	135	138	25.38	25.38		27.0	0.5	
100	PI/2 BPSK	270	0	25.06	25.06				
100	QPSK	1	1	25.80	25.80		27.5	0.0	
100	QPSK	1	137	25.75	25.75				
100	QPSK	1	271	25.72	25.72				
100	QPSK	135	0	24.65	24.65		26.5	1.0	
100	QPSK	135	69	25.70	25.70		27.5	0.0	
100	QPSK	135	138	24.78	24.78		26.5	1.0	
100	QPSK	270	0	24.68	24.68				
100	16QAM	1	1	24.74	24.74		26.5	1.0	
100	64QAM	1	1	23.25	23.25		25.0	2.5	
100	256QAM	1	1	21.28	21.28		23.0	4.5	
Channel				633000					
Frequency (MHz)				3495					
90	QPSK	1	1	25.66	25.69	25.69	27.5	0.0	
Channel				632668					
Frequency (MHz)				3490.02					
80	QPSK	1	1	25.73	25.75	25.72	27.5	0.0	
Channel				632334					
Frequency (MHz)				3485.01					
70	QPSK	1	1	25.68	25.77	25.61	27.5	0.0	
Channel				632000					
Frequency (MHz)				3480					
60	QPSK	1	1	25.69	25.68	25.75	27.5	0.0	
Channel				631668					
Frequency (MHz)				3475.02					
50	QPSK	1	1	25.61	25.64	25.69	27.5	0.0	
Channel				631334					
Frequency (MHz)				3470.01					
40	QPSK	1	1	25.69	25.76	25.68	27.5	0.0	
Channel				631000					
Frequency (MHz)				3465					
30	QPSK	1	1	25.71	25.76	25.71	27.5	0.0	
Channel				630668					
Frequency (MHz)				3460.02					
20	QPSK	1	1	25.65	25.69	25.74	27.5	0.0	
Channel				630500					
Frequency (MHz)				3457.5					
15	QPSK	1	1	25.73	25.72	25.64	27.5	0.0	
Channel				630334					
Frequency (MHz)				3455.01					
10	QPSK	1	1	25.71	25.65	25.62	27.5	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	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.93	19.99	19.50			
100	PI/2 BPSK	1	137	19.92	20.01	19.58	21.0	0.0	
100	PI/2 BPSK	1	271	19.94	19.98	19.46			
100	PI/2 BPSK	135	0	19.21	19.37	18.88	20.5	0.5	
100	PI/2 BPSK	135	69	19.83	19.98	19.51	21.0	0.0	
100	PI/2 BPSK	135	138	19.44	19.49	19.02			
100	PI/2 BPSK	270	0	19.31	19.36	18.80	20.5	0.5	
100	QPSK	1	1	20.01	20.09	19.54			
100	QPSK	1	137	19.85	19.92	19.42	21.0	0.0	
100	QPSK	1	271	19.90	20.05	19.51			
100	QPSK	135	0	18.81	18.92	18.42	20.0	1.0	
100	QPSK	135	69	19.90	20.02	19.47	21.0	0.0	
100	QPSK	135	138	18.83	18.93	18.38			
100	QPSK	270	0	18.86	18.98	18.48	20.0	1.0	
100	16QAM	1	1	18.82	18.86	18.37	20.0	1.0	
100	64QAM	1	1	17.29	17.37	16.94	18.5	2.5	
100	256QAM	1	1	15.37	15.51	15.02	16.5	4.5	
Channel				648688	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	21.0	0.0	
90	QPSK	1	1	19.93	20.04	19.46	21.0	0.0	
Channel				648334	656000	662688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	21.0	0.0	
80	QPSK	1	1	19.95	20.05	19.46	21.0	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	21.0	0.0	
70	QPSK	1	1	19.89	19.98	19.46	21.0	0.0	
Channel				648688	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	21.0	0.0	
60	QPSK	1	1	19.87	19.92	19.46	21.0	0.0	
Channel				648334	656000	663688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	21.0	0.0	
50	QPSK	1	1	19.92	19.96	19.39	21.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	21.0	0.0	
40	QPSK	1	1	19.97	19.99	19.49	21.0	0.0	
Channel				647688	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	21.0	0.0	
30	QPSK	1	1	19.98	19.93	19.44	21.0	0.0	
Channel				647334	656000	664688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	21.0	0.0	
20	QPSK	1	1	19.91	19.97	19.41	21.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	21.0	0.0	
15	QPSK	1	1	19.96	20.04	19.51	21.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	21.0	0.0	
10	QPSK	1	1	19.94	20.02	19.42	21.0	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	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	21.73	21.84	21.59			
100	PI/2 BPSK	1	137	21.91	21.94	21.56	23.5	0.0	
100	PI/2 BPSK	1	271	21.87	21.93	21.51			
100	PI/2 BPSK	135	0	21.23	21.31	21.12	23.0	0.5	
100	PI/2 BPSK	135	69	21.62	21.77	21.51	23.5	0.0	
100	PI/2 BPSK	135	138	21.20	21.30	21.10			
100	PI/2 BPSK	270	0	21.27	21.34	21.10	23.0	0.5	
100	QPSK	1	1	21.95	22.00	21.53			
100	QPSK	1	137	21.85	21.97	21.62	23.5	0.0	
100	QPSK	1	271	21.85	21.96	21.58			
100	QPSK	135	0	20.64	20.79	20.51	22.5	1.0	
100	QPSK	135	69	21.81	21.81	21.53	23.5	0.0	
100	QPSK	135	138	20.71	20.77	20.54			
100	QPSK	270	0	20.72	20.87	20.52	22.5	1.0	
100	16QAM	1	1	20.78	20.82	20.58	22.5	1.0	
100	64QAM	1	1	19.20	19.35	19.01	21.0	2.5	
100	256QAM	1	1	17.35	17.39	17.01	19.0	4.5	
Channel				649688	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	21.0	0.0	
90	QPSK	1	1	21.84	21.87	21.51	23.5	0.0	
Channel				649334	656000	662688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	21.0	0.0	
80	QPSK	1	1	21.81	21.86	21.54	23.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	21.0	0.0	
70	QPSK	1	1	21.79	21.87	21.58	23.5	0.0	
Channel				648688	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	21.0	0.0	
60	QPSK	1	1	21.87	21.84	21.57	23.5	0.0	
Channel				648334	656000	663688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	21.0	0.0	
50	QPSK	1	1	21.91	21.94	21.58	23.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	21.0	0.0	
40	QPSK	1	1	21.82	21.86	21.54	23.5	0.0	
Channel				647688	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	21.0	0.0	
30	QPSK	1	1	21.79	21.95	21.57	23.5	0.0	
Channel				647334	656000	664688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	21.0	0.0	
20	QPSK	1	1	21.93	21.90	21.59	23.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	21.0	0.0	
15	QPSK	1	1	21.89	21.86	21.59	23.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	21.0	0.0	
10	QPSK	1	1	21.80	21.92	21.54	23.5	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									
Frequency (MHz)				633334	3500.01				
100	PI/2 BPSK	1	1	19.76					
100	PI/2 BPSK	1	137	19.73			21.0	0.0	
100	PI/2 BPSK	1	271	19.73					
100	PI/2 BPSK	135	0	19.19			20.5	0.5	
100	PI/2 BPSK	135	69	19.73			21.0	0.0	
100	PI/2 BPSK	135	138	19.18			20.5	0.5	
100	PI/2 BPSK	270	0	19.13					
100	QPSK	1	1	19.66					
100	QPSK	1	137	19.78			21.0	0.0	
100	QPSK	1	271	19.84					
100	QPSK	135	0	19.78			20.0	1.0	
100	QPSK	135	69	19.78			21.0	0.0	
100	QPSK	135	138	19.83			20.0	1.0	
100	QPSK	270	0	19.91					
100	16QAM	1	1	18.86			20.0	1.0	
100	64QAM	1	1	17.19			18.5	2.5	
100	256QAM	1	1	15.30			16.5	4.5	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	19.81	19.73	19.72	21.0	0.0	
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	19.89	19.71	19.74	21.0	0.0	
Channel									
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	19.78	19.70	19.71	21.0	0.0	
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	19.82	19.72	19.71	21.0	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	19.71	19.83	19.81	21.0	0.0	
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	19.77	19.84	19.73	21.0	0.0	
Channel									
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.77	19.77	19.70	21.0	0.0	
Channel									
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.83	19.76	19.82	21.0	0.0	
Channel									
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.82	19.74	19.73	21.0	0.0	
Channel									
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.73	19.77	19.71	21.0	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									
Frequency (MHz)				633334	3500.01				
100	PI/2 BPSK	1	1	21.83					
100	PI/2 BPSK	1	137	21.79			23.5	0.0	
100	PI/2 BPSK	1	271	21.87					
100	PI/2 BPSK	135	0	21.18			23.0	0.5	
100	PI/2 BPSK	135	69	21.83			23.5	0.0	
100	PI/2 BPSK	135	138	21.33			23.0	0.5	
100	PI/2 BPSK	270	0	21.25					
100	QPSK	1	1	21.92					
100	QPSK	1	137	21.89			23.5	0.0	
100	QPSK	1	271	21.87					
100	QPSK	135	0	20.95			22.5	1.0	
100	QPSK	135	69	21.85			23.5	0.0	
100	QPSK	135	138	20.95			22.5	1.0	
100	QPSK	270	0	21.03					
100	16QAM	1	1	20.93			22.5	1.0	
100	64QAM	1	1	19.21			21.0	2.5	
100	256QAM	1	1	17.36			19.0	4.5	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	21.84	21.77	21.82	23.5	0.0	
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	21.78	21.77	21.90	23.5	0.0	
Channel									
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	21.79	21.81	21.84	23.5	0.0	
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	21.79	21.79	21.79	23.5	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	21.83	21.84	21.88	23.5	0.0	
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	21.84	21.88	21.80	23.5	0.0	
Channel									
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.81	21.89	21.82	23.5	0.0	
Channel									
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.78	21.77	21.85	23.5	0.0	
Channel									
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.84	21.87	21.83	23.5	0.0	
Channel									
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.88	21.78	21.83	23.5	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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	3750	3750	3750		
100	PI/2 BPSK	1	137	19.64	19.64	19.64	21.0	0.0
100	PI/2 BPSK	1	271	19.66	19.66	19.66		
100	PI/2 BPSK	135	0	19.16	19.16	19.16	20.5	0.5
100	PI/2 BPSK	135	69	19.58	19.58	19.58	21.0	0.0
100	PI/2 BPSK	135	138	19.09	19.09	19.09		
100	PI/2 BPSK	270	0	19.15	19.15	19.15	20.5	0.5
100	QPSK	1	1	19.60	19.60	19.60		
100	QPSK	1	137	19.70	19.70	19.70	21.0	0.0
100	QPSK	1	271	19.71	19.71	19.71		
100	QPSK	135	0	18.80	18.80	18.80	20.0	1.0
100	QPSK	135	69	19.72	19.72	19.72	21.0	0.0
100	QPSK	135	138	18.73	18.73	18.73		
100	QPSK	270	0	18.89	18.89	18.89	20.0	1.0
100	16QAM	1	1	18.80	18.80	18.80	20.0	1.0
100	64QAM	1	1	17.12	17.12	17.12	18.5	2.5
100	256QAM	1	1	15.23	15.23	15.23	16.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.77	19.70	19.71	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.72	19.68	19.67	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.74	19.76	19.69	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.71	19.74	19.69	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.69	19.76	19.73	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.65	19.71	19.63	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.71	19.64	19.73	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.64	19.78	19.70	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.72	19.65	19.72	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.67	19.65	19.78	21.0	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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	3750	3750	3750		
100	PI/2 BPSK	1	137	21.76	21.76	21.76	23.5	0.0
100	PI/2 BPSK	1	271	21.68	21.68	21.68		
100	PI/2 BPSK	135	0	21.11	21.11	21.11	23.0	0.5
100	PI/2 BPSK	135	69	21.61	21.61	21.61	23.5	0.0
100	PI/2 BPSK	135	138	21.22	21.22	21.22		
100	PI/2 BPSK	270	0	21.24	21.24	21.24	23.0	0.5
100	QPSK	1	1	21.94	21.94	21.94		
100	QPSK	1	137	21.73	21.73	21.73	23.5	0.0
100	QPSK	1	271	21.69	21.69	21.69		
100	QPSK	135	0	20.74	20.74	20.74	22.5	1.0
100	QPSK	135	69	21.77	21.77	21.77	23.5	0.0
100	QPSK	135	138	20.78	20.78	20.78		
100	QPSK	270	0	20.82	20.82	20.82	22.5	1.0
100	16QAM	1	1	20.71	20.71	20.71	22.5	1.0
100	64QAM	1	1	19.19	19.19	19.19	21.0	2.5
100	256QAM	1	1	17.29	17.29	17.29	19.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.80	21.79	21.72	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.72	21.70	21.74	23.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.78	21.69	21.72	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.81	21.79	21.77	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.75	21.81	21.80	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.82	21.79	21.82	23.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.71	21.80	21.76	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.78	21.67	21.77	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.81	21.72	21.82	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.75	21.69	21.73	23.5	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	19.72			21.0	0.0	
100	PI/2 BPSK	1	137	19.65					
100	PI/2 BPSK	1	271	19.62					
100	PI/2 BPSK	135	0	19.13			20.5	0.5	
100	PI/2 BPSK	135	69	19.66			21.0	0.0	
100	PI/2 BPSK	135	138	19.11			20.5	0.5	
100	PI/2 BPSK	270	0	19.14					
100	QPSK	1	1	19.78			21.0	0.0	
100	QPSK	1	137	19.72					
100	QPSK	1	271	19.64					
100	QPSK	135	0	18.72			20.0	1.0	
100	QPSK	135	69	19.75			21.0	0.0	
100	QPSK	135	138	18.78			20.0	1.0	
100	QPSK	270	0	18.89					
100	16QAM	1	1	18.84			20.0	1.0	
100	64QAM	1	1	17.23			18.5	2.5	
100	256QAM	1	1	15.20			16.5	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	19.67	19.62	19.84	21.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	19.71	19.62	19.61	21.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	19.61	19.70	19.69	21.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	19.73	19.62	19.73	21.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	19.65	19.66	19.69	21.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	19.69	19.72	19.69	21.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	19.67	19.75	19.72	21.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	19.63	19.69	19.76	21.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	19.66	19.74	19.62	21.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	19.73	19.69	19.62	21.0	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	21.59			23.5	0.0	
100	PI/2 BPSK	1	137	21.64					
100	PI/2 BPSK	1	271	21.59					
100	PI/2 BPSK	135	0	21.04			23.0	0.5	
100	PI/2 BPSK	135	69	21.58			23.5	0.0	
100	PI/2 BPSK	135	138	21.16			23.0	0.5	
100	PI/2 BPSK	270	0	21.18					
100	QPSK	1	1	21.74			23.5	0.0	
100	QPSK	1	137	21.63					
100	QPSK	1	271	21.61					
100	QPSK	135	0	20.86			22.5	1.0	
100	QPSK	135	69	21.70			23.5	0.0	
100	QPSK	135	138	20.76			22.5	1.0	
100	QPSK	270	0	20.92					
100	16QAM	1	1	20.75			22.5	1.0	
100	64QAM	1	1	19.10			21.0	2.5	
100	256QAM	1	1	17.14			19.0	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	21.58	21.57	21.70	23.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	21.68	21.57	21.64	23.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	21.59	21.60	21.68	23.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	21.71	21.71	21.64	23.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	21.61	21.60	21.69	23.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	21.58	21.68	21.62	23.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	21.68	21.69	21.65	23.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	21.71	21.60	21.69	23.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	21.60	21.63	21.58	23.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	21.58	21.64	21.63	23.5	0.0	



Reduced Power Mode for DS11

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				168800	167300	167300		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.07	25.12	25.05	25.7	0.0
20	PI/2 BPSK	1	53	24.96	25.09	25.02		
20	PI/2 BPSK	1	104	24.92	25.04	24.93		
20	PI/2 BPSK	50	0	24.61	24.69	24.59	25.2	0.5
20	PI/2 BPSK	50	28	25.01	25.15	25.04	25.7	0.0
20	PI/2 BPSK	50	56	24.51	24.65	24.60	25.2	0.5
20	PI/2 BPSK	100	0	24.57	24.67	24.61		
20	QPSK	1	1	25.10	25.18	25.06		
20	QPSK	1	53	24.98	25.11	25.03	25.7	0.0
20	QPSK	1	104	24.72	24.81	24.70		
20	QPSK	50	0	24.09	24.21	24.09	24.7	1.0
20	QPSK	50	28	25.12	25.16	25.11	25.7	0.0
20	QPSK	50	56	24.15	24.19	24.06	24.7	1.0
20	QPSK	100	0	24.08	24.15	24.09		
20	16QAM	1	1	23.87	23.94	23.88	24.7	1.0
20	64QAM	1	1	22.37	22.45	22.39	23.2	2.5
20	256QAM	1	1	20.73	20.78	20.71	21.2	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	25.01	25.05	24.96	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	25.06	25.03	24.96	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	25.00	25.13	24.92	25.7	0.0

n7 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.32	21.43	21.34	23.0	0.0
40	PI/2 BPSK	1	108	21.33	21.41	21.36		
40	PI/2 BPSK	1	214	21.11	21.26	21.13		
40	PI/2 BPSK	108	0	20.84	20.90	20.76	22.5	0.5
40	PI/2 BPSK	108	54	21.27	21.33	21.27	23.0	0.0
40	PI/2 BPSK	108	108	20.72	20.82	20.72	22.5	0.5
40	PI/2 BPSK	216	0	20.73	20.86	20.76		
40	QPSK	1	1	21.39	21.45	21.37		
40	QPSK	1	108	21.30	21.34	21.24	23.0	0.0
40	QPSK	1	214	21.19	21.24	21.17		
40	QPSK	108	0	20.35	20.42	20.28		
40	QPSK	108	54	21.27	21.40	21.27	23.0	0.0
40	QPSK	108	108	20.31	20.37	20.26	22.0	1.0
40	QPSK	216	0	20.34	20.41	20.36		
40	16QAM	1	1	20.43	20.54	20.46		
40	64QAM	1	1	18.67	18.78	18.66	20.5	2.5
40	256QAM	1	1	17.11	17.15	17.07	18.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.29	21.32	21.27	23.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.27	21.37	21.30	23.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	21.34	21.37	21.28	23.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.35	21.36	21.29	23.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.29	21.41	21.28	23.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.27	21.40	21.29	23.0	0.0



n38 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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	21.79	21.87	21.75	23.3	0.0	
40	PI/2 BPSK	1	53	21.77	21.91	21.86			
40	PI/2 BPSK	1	104	21.87	21.90	21.79			
40	PI/2 BPSK	50	0	21.43	21.52	21.45	22.8	0.5	
40	PI/2 BPSK	50	28	21.79	21.86	21.74	23.3	0.0	
40	PI/2 BPSK	50	56	21.37	21.51	21.48	22.8	0.5	
40	PI/2 BPSK	100	0	21.39	21.49	21.42			
40	QPSK	1	1	21.87	21.96	21.82			
40	QPSK	1	53	21.87	21.93	21.81	23.3	0.0	
40	QPSK	1	104	21.87	21.90	21.86			
40	QPSK	50	0	20.91	21.02	20.95	22.3	1.0	
40	QPSK	50	28	21.89	21.92	21.84	23.3	0.0	
40	QPSK	50	56	20.91	21.04	21.00	22.3	1.0	
40	QPSK	100	0	20.86	20.97	20.84			
40	16QAM	1	1	20.85	20.93	20.84	22.3	1.0	
40	64QAM	1	1	19.22	19.33	19.23	20.8	2.5	
40	256QAM	1	1	17.48	17.62	17.55	18.8	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	23.3	0.0	
30	QPSK	1	1	21.84	21.87	21.74	23.3	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	23.3	0.0	
20	QPSK	1	1	21.79	21.92	21.73	23.3	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	23.3	0.0	
15	QPSK	1	1	21.76	21.85	21.75	23.3	0.0	
Channel				516004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	23.3	0.0	
10	QPSK	1	1	21.76	21.89	21.67	23.3	0.0	

n41 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				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.90	21.96	21.88			
100	PI/2 BPSK	1	137	21.73	21.87	21.84	23.3	0.0	
100	PI/2 BPSK	1	271	21.71	21.78	21.68			
100	PI/2 BPSK	135	0	21.26	21.39	21.34	22.8	0.5	
100	PI/2 BPSK	135	69	21.76	21.87	21.76	23.3	0.0	
100	PI/2 BPSK	135	138	21.27	21.30	21.20	22.8	0.5	
100	PI/2 BPSK	270	0	21.29	21.40	21.35			
100	QPSK	1	1	21.86	21.99	21.91			
100	QPSK	1	137	21.86	21.94	21.87	23.3	0.0	
100	QPSK	1	271	21.53	21.66	21.62			
100	QPSK	135	0	20.81	20.92	20.81	22.3	1.0	
100	QPSK	135	69	21.70	21.84	21.77	23.3	0.0	
100	QPSK	135	138	20.73	20.81	20.67	22.3	1.0	
100	QPSK	270	0	20.79	20.83	20.74			
100	16QAM	1	1	20.91	20.99	20.90	22.3	1.0	
100	64QAM	1	1	19.55	19.61	19.57	20.8	2.5	
100	256QAM	1	1	17.63	17.68	17.57	18.8	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	23.3	0.0	
90	QPSK	1	1	21.78	21.91	21.77	23.3	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	23.3	0.0	
80	QPSK	1	1	21.81	21.83	21.87	23.3	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	23.3	0.0	
70	QPSK	1	1	21.76	21.93	21.79	23.3	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	23.3	0.0	
60	QPSK	1	1	21.81	21.91	21.79	23.3	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	23.3	0.0	
50	QPSK	1	1	21.79	21.93	21.78	23.3	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	23.3	0.0	
40	QPSK	1	1	21.78	21.94	21.81	23.3	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	23.3	0.0	
30	QPSK	1	1	21.72	21.86	21.77	23.3	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	23.3	0.0	
20	QPSK	1	1	21.76	21.93	21.85	23.3	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	20.86	20.95	20.75	22.0	0.0	
20	PI/2 BPSK	1	53	20.90	20.92	20.91			
20	PI/2 BPSK	1	104	20.74	20.90	20.73			
20	PI/2 BPSK	50	0	20.84	20.94	20.91	22.0	0.0	
20	PI/2 BPSK	50	28	20.82	20.88	20.75	22.0	0.0	
20	PI/2 BPSK	50	56	20.84	20.91	20.88			
20	PI/2 BPSK	100	0	20.88	20.93	20.88	22.0	0.0	
20	QPSK	1	1	20.99	21.12	20.94	22.0	0.0	
20	QPSK	1	53	20.73	20.88	20.72			
20	QPSK	1	104	20.83	20.83	20.83			
20	QPSK	50	0	20.87	20.87	20.90	22.0	0.0	
20	QPSK	50	28	20.89	20.97	20.95	22.0	0.0	
20	QPSK	50	56	20.70	20.90	20.89			
20	QPSK	100	0	20.77	20.91	20.82	22.0	0.0	
20	16QAM	1	1	20.77	20.77	20.63	22.0	0.0	
20	64QAM	1	1	20.94	21.07	20.91	22.0	0.0	
20	256QAM	1	1	19.86	19.97	19.92	21.0	1.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	20.84	20.96	20.81	22.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	20.89	21.07	20.92	22.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	20.85	20.95	20.96	22.0	0.0	

n7 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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	16.43	16.57	16.57	17.0	0.0	
40	PI/2 BPSK	1	108	16.50	16.50	16.47			
40	PI/2 BPSK	1	214	16.34	16.40	16.21			
40	PI/2 BPSK	108	0	16.33	16.55	16.39	17.0	0.0	
40	PI/2 BPSK	108	54	16.24	16.40	16.37	17.0	0.0	
40	PI/2 BPSK	108	108	16.40	16.42	16.38			
40	PI/2 BPSK	216	0	16.42	16.50	16.50	17.0	0.0	
40	QPSK	1	1	16.60	16.61	16.58	17.0	0.0	
40	QPSK	1	108	16.43	16.54	16.47			
40	QPSK	1	214	16.49	16.52	16.38			
40	QPSK	108	0	16.50	16.55	16.49	17.0	0.0	
40	QPSK	108	54	16.56	16.60	16.54	17.0	0.0	
40	QPSK	108	108	16.43	16.50	16.46			
40	QPSK	216	0	16.44	16.54	16.46	17.0	0.0	
40	16QAM	1	1	16.56	16.60	16.42	17.0	0.0	
40	64QAM	1	1	16.58	16.60	16.51	17.0	0.0	
40	256QAM	1	1	16.41	16.57	16.54	17.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.41	16.54	16.56	17.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	16.41	16.45	16.37	17.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.45	16.45	16.41	17.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.54	16.47	16.51	17.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.40	16.58	16.60	17.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.48	16.45	16.39	17.0	0.0	



n38 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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.97	17.10	17.12	18.2	0.0	
40	PI/2 BPSK	1	53	16.75	16.93	16.86			
40	PI/2 BPSK	1	104	16.81	16.92	16.84			
40	PI/2 BPSK	50	0	16.78	16.99	16.78	18.2	0.0	
40	PI/2 BPSK	50	28	16.70	16.87	16.80	18.2	0.0	
40	PI/2 BPSK	50	56	16.67	16.87	16.75	18.2	0.0	
40	PI/2 BPSK	100	0	16.79	16.92	16.91			
40	QPSK	1	1	17.05	17.13	17.08	18.2	0.0	
40	QPSK	1	53	16.89	16.80	16.79			
40	QPSK	1	104	16.81	16.81	16.76			
40	QPSK	50	0	16.76	16.94	16.94	18.2	0.0	
40	QPSK	50	28	16.87	17.00	16.99	18.2	0.0	
40	QPSK	50	56	16.83	16.92	16.79	18.2	0.0	
40	QPSK	100	0	16.90	16.96	16.86			
40	16QAM	1	1	16.75	16.86	16.70	18.2	0.0	
40	64QAM	1	1	16.92	16.92	16.82	18.2	0.0	
40	256QAM	1	1	16.91	16.98	16.98	18.2	0.0	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	18.2	0.0	
30	QPSK	1	1	17.05	17.12	17.08	18.2	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	18.2	0.0	
20	QPSK	1	1	16.87	17.07	17.00	18.2	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	18.2	0.0	
15	QPSK	1	1	17.02	16.94	17.09	18.2	0.0	
Channel				516004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	18.2	0.0	
10	QPSK	1	1	16.89	16.93	17.09	18.2	0.0	

n41 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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.89	16.95	16.75	18.2	0.0	
100	PI/2 BPSK	1	137	16.88	16.87	16.73			
100	PI/2 BPSK	1	271	16.76	16.76	16.65			
100	PI/2 BPSK	135	0	17.00	17.05	16.98	18.2	0.0	
100	PI/2 BPSK	135	69	16.99	17.00	16.82	18.2	0.0	
100	PI/2 BPSK	135	138	16.75	16.90	16.70	18.2	0.0	
100	PI/2 BPSK	270	0	16.86	16.95	16.84			
100	QPSK	1	1	16.98	17.15	17.05	18.2	0.0	
100	QPSK	1	137	16.86	16.99	16.79			
100	QPSK	1	271	16.86	16.86	16.85			
100	QPSK	135	0	16.86	16.99	16.92	18.2	0.0	
100	QPSK	135	69	17.01	17.14	17.11	18.2	0.0	
100	QPSK	135	138	16.79	16.93	16.94	18.2	0.0	
100	QPSK	270	0	16.80	17.00	16.96			
100	16QAM	1	1	16.89	16.86	16.83	18.2	0.0	
100	64QAM	1	1	16.93	17.11	17.06	18.2	0.0	
100	256QAM	1	1	16.98	17.11	17.06	18.2	0.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	18.2	0.0	
90	QPSK	1	1	16.91	17.08	17.01	18.2	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	18.2	0.0	
80	QPSK	1	1	16.91	17.02	17.06	18.2	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	18.2	0.0	
70	QPSK	1	1	16.76	17.11	16.83	18.2	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	18.2	0.0	
60	QPSK	1	1	16.87	17.03	16.95	18.2	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	18.2	0.0	
50	QPSK	1	1	16.84	16.96	16.89	18.2	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	18.2	0.0	
40	QPSK	1	1	16.79	17.10	16.96	18.2	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	18.2	0.0	
30	QPSK	1	1	16.94	17.13	17.01	18.2	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	18.2	0.0	
20	QPSK	1	1	16.84	17.12	16.96	18.2	0.0	



n7 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	24.17	24.25	24.17		
40	PI/2 BPSK	1	108	24.05	24.20	24.13	24.7	0.0
40	PI/2 BPSK	1	214	24.08	24.22	24.13		
40	PI/2 BPSK	108	0	23.50	23.62	23.52	24.2	0.5
40	PI/2 BPSK	108	54	24.03	24.09	23.95	24.7	0.0
40	PI/2 BPSK	108	108	23.67	23.77	23.69		
40	PI/2 BPSK	216	0	23.60	23.66	23.56	24.2	0.5
40	QPSK	1	1	24.23	24.30	24.16		
40	QPSK	1	108	24.12	24.26	24.11	24.7	0.0
40	QPSK	1	214	24.08	24.22	24.17		
40	QPSK	108	0	23.10	23.13	23.09	23.7	1.0
40	QPSK	108	54	24.02	24.11	24.00	24.7	0.0
40	QPSK	108	108	23.10	23.24	23.13		
40	QPSK	216	0	23.17	23.20	23.16	23.7	1.0
40	16QAM	1	1	23.27	23.34	23.25	23.7	1.0
40	64QAM	1	1	21.34	21.38	21.25	22.2	2.5
40	256QAM	1	1	19.75	19.80	19.72	20.2	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.11	24.16	24.04	24.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.17	24.23	24.08	24.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	24.09	24.15	24.09	24.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.19	24.21	24.12	24.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.10	24.21	24.12	24.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.14	24.16	24.03	24.7	0.0





n38 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	25.12	25.26	25.14			
40	PI/2 BPSK	1	53	25.09	25.18	25.05	25.7	0.0	
40	PI/2 BPSK	1	104	25.20	25.31	25.22			
40	PI/2 BPSK	50	0	24.70	24.77	24.73	25.2	0.5	
40	PI/2 BPSK	50	28	25.12	25.22	25.11	25.7	0.0	
40	PI/2 BPSK	50	56	24.60	24.71	24.61	25.2	0.5	
40	PI/2 BPSK	100	0	24.71	24.74	24.62			
40	QPSK	1	1	25.20	25.34	25.26			
40	QPSK	1	53	25.08	25.22	25.08	25.7	0.0	
40	QPSK	1	104	25.17	25.30	25.18			
40	QPSK	50	0	24.25	24.28	24.19	24.7	1.0	
40	QPSK	50	28	25.17	25.21	25.09	25.7	0.0	
40	QPSK	50	56	24.10	24.14	24.05			
40	QPSK	100	0	24.09	24.22	24.11	24.7	1.0	
40	16QAM	1	1	24.16	24.24	24.17	24.7	1.0	
40	64QAM	1	1	22.56	22.64	22.53	23.2	2.5	
40	256QAM	1	1	20.72	20.76	20.68	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	25.15	25.20	25.18	25.7	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	25.7	0.0	
20	QPSK	1	1	25.12	25.22	25.19	25.7	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2571.51	2595	2612.49	25.7	0.0	
15	QPSK	1	1	25.16	25.20	25.19	25.7	0.0	
Channel				516004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	25.7	0.0	
10	QPSK	1	1	25.07	25.26	25.17	25.7	0.0	

n41 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	25.17	25.31	25.21			
100	PI/2 BPSK	1	137	25.18	25.33	25.27	25.7	0.0	
100	PI/2 BPSK	1	271	25.19	25.34	25.25			
100	PI/2 BPSK	135	0	24.66	24.79	24.73	25.2	0.5	
100	PI/2 BPSK	135	69	25.18	25.28	25.23	25.7	0.0	
100	PI/2 BPSK	135	138	24.69	24.81	24.75	25.2	0.5	
100	PI/2 BPSK	270	0	24.64	24.78	24.75			
100	QPSK	1	1	24.96	25.38	25.28			
100	QPSK	1	137	25.17	25.28	25.24	25.7	0.0	
100	QPSK	1	271	25.10	25.20	25.07			
100	QPSK	135	0	24.17	24.25	24.14	24.7	1.0	
100	QPSK	135	69	25.14	25.28	25.22	25.7	0.0	
100	QPSK	135	138	24.22	24.34	24.20	24.7	1.0	
100	QPSK	270	0	24.16	24.25	24.11			
100	16QAM	1	1	24.11	24.22	24.17	24.7	1.0	
100	64QAM	1	1	22.49	22.58	22.53	23.2	2.5	
100	256QAM	1	1	20.75	20.78	20.70	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	25.24	25.26	25.20	25.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	25.7	0.0	
80	QPSK	1	1	25.27	25.26	25.19	25.7	0.0	
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	25.32	25.22	25.7	0.0	
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	25.19	25.31	25.24	25.7	0.0	
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	25.22	25.32	25.19	25.7	0.0	
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	25.19	25.28	25.15	25.7	0.0	
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	25.23	25.24	25.19	25.7	0.0	
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	25.27	25.30	25.15	25.7	0.0	



### n7 Ant3 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2820	2835	2850		
40	PI/2 BPSK	1	1	17.53	17.63	17.52		
40	PI/2 BPSK	1	108	17.20	17.28	17.21	19.0	0.0
40	PI/2 BPSK	1	214	17.16	17.25	17.21		
40	PI/2 BPSK	108	0	17.37	17.51	17.35	19.0	0.0
40	PI/2 BPSK	108	54	17.55	17.60	17.48	19.0	0.0
40	PI/2 BPSK	108	108	17.18	17.33	17.18		
40	PI/2 BPSK	216	0	17.22	17.29	17.18	19.0	0.0
40	QPSK	1	1	17.60	17.65	17.64		
40	QPSK	1	108	17.42	17.51	17.38	19.0	0.0
40	QPSK	1	214	17.20	17.37	17.26		
40	QPSK	108	0	17.34	17.65	17.50	19.0	0.0
40	QPSK	108	54	17.56	17.57	17.36	19.0	0.0
40	QPSK	108	108	17.50	17.51	17.52		
40	QPSK	216	0	17.41	17.43	17.21	19.0	0.0
40	16QAM	1	1	17.16	17.30	17.24	19.0	0.0
40	64QAM	1	1	17.26	17.41	17.38	19.0	0.0
40	256QAM	1	1	17.33	17.36	17.26	19.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.56	17.60	17.41	19.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.50	17.56	17.42	19.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.57	17.44	17.49	19.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.45	17.60	17.50	19.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.48	17.51	17.55	19.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.55	17.57	17.53	19.0	0.0



n38 Ant3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.32	17.49	17.44	18.8	0.0	
40	PI/2 BPSK	1	53	17.40	17.40	17.22			
40	PI/2 BPSK	1	104	17.33	17.42	17.25			
40	PI/2 BPSK	50	0	17.44	17.42	17.39	18.8	0.0	
40	PI/2 BPSK	50	28	17.25	17.39	17.39	18.8	0.0	
40	PI/2 BPSK	50	56	17.23	17.38	17.39	18.8	0.0	
40	PI/2 BPSK	100	0	17.25	17.45	17.44			
40	QPSK	1	1	17.40	17.50	17.45	18.8	0.0	
40	QPSK	1	53	17.26	17.37	17.35			
40	QPSK	1	104	17.43	17.49	17.41			
40	QPSK	50	0	17.25	17.38	17.37	18.8	0.0	
40	QPSK	50	28	17.23	17.42	17.34	18.8	0.0	
40	QPSK	50	56	17.38	17.37	17.34	18.8	0.0	
40	QPSK	100	0	17.31	17.43	17.37			
40	16QAM	1	1	17.40	17.45	17.33	18.8	0.0	
40	64QAM	1	1	17.25	17.40	17.40	18.8	0.0	
40	256QAM	1	1	17.37	17.32	17.37	18.8	0.0	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	18.8	0.0	
30	QPSK	1	1	17.34	17.45	17.27	18.8	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	18.8	0.0	
20	QPSK	1	1	17.41	17.35	17.38	18.8	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2575.51	2595	2612.49	18.8	0.0	
15	QPSK	1	1	17.32	17.44	17.40	18.8	0.0	
Channel				516004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	18.8	0.0	
10	QPSK	1	1	17.29	17.48	17.36	18.8	0.0	

n41 Ant3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.32	17.39	17.40	19.0	0.0	
100	PI/2 BPSK	1	137	17.44	17.46	17.42			
100	PI/2 BPSK	1	271	17.40	17.42	17.37			
100	PI/2 BPSK	135	0	17.41	17.49	17.35	19.0	0.0	
100	PI/2 BPSK	135	69	17.41	17.43	17.42	19.0	0.0	
100	PI/2 BPSK	135	138	17.41	17.42	17.40	19.0	0.0	
100	PI/2 BPSK	270	0	17.41	17.47	17.35			
100	QPSK	1	1	17.53	17.55	17.32	19.0	0.0	
100	QPSK	1	137	17.35	17.42	17.31			
100	QPSK	1	271	17.31	17.47	17.48			
100	QPSK	135	0	17.49	17.52	17.33	19.0	0.0	
100	QPSK	135	69	17.52	17.57	17.48	19.0	0.0	
100	QPSK	135	138	17.42	17.42	17.32	19.0	0.0	
100	QPSK	270	0	17.41	17.50	17.46			
100	16QAM	1	1	17.43	17.44	17.39	19.0	0.0	
100	64QAM	1	1	17.47	17.51	17.44	19.0	0.0	
100	256QAM	1	1	17.33	17.48	17.44	19.0	0.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	19.0	0.0	
90	QPSK	1	1	17.42	17.54	17.48	19.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	19.0	0.0	
80	QPSK	1	1	17.53	17.56	17.52	19.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	19.0	0.0	
70	QPSK	1	1	17.33	17.38	17.32	19.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	19.0	0.0	
60	QPSK	1	1	17.46	17.55	17.32	19.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	19.0	0.0	
50	QPSK	1	1	17.38	17.44	17.36	19.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	19.0	0.0	
40	QPSK	1	1	17.45	17.42	17.32	19.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	19.0	0.0	
30	QPSK	1	1	17.41	17.53	17.49	19.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	19.0	0.0	
20	QPSK	1	1	17.38	17.41	17.32	19.0	0.0	



### PC3 Part270 n77 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								
Frequency (MHz)				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.75	15.91	15.71		
100	PI/2 BPSK	1	137	15.75	15.76	15.58	17.0	0.0
100	PI/2 BPSK	1	271	15.56	15.77	15.77		
100	PI/2 BPSK	135	0	15.70	15.77	15.71	17.0	0.0
100	PI/2 BPSK	135	69	15.81	15.82	15.60	17.0	0.0
100	PI/2 BPSK	135	138	15.45	15.64	15.61		
100	PI/2 BPSK	270	0	15.76	15.81	15.62	17.0	0.0
100	QPSK	1	1	15.82	15.99	15.87		
100	QPSK	1	137	15.82	15.70	15.72	17.0	0.0
100	QPSK	1	271	15.72	15.66	15.86		
100	QPSK	135	0	15.74	15.86	15.88	17.0	0.0
100	QPSK	135	69	15.83	15.90	15.86	17.0	0.0
100	QPSK	135	138	15.71	15.76	15.75		
100	QPSK	270	0	15.85	15.87	15.81	17.0	0.0
100	16QAM	1	1	15.67	15.80	15.69	17.0	0.0
100	64QAM	1	1	15.87	15.95	15.75	17.0	0.0
100	256QAM	1	1	15.74	15.87	15.67	17.0	0.0
Channel								
Frequency (MHz)				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.62	15.79	15.78	17.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.67	15.95	15.87	17.0	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	15.77	15.79	15.88	17.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.81	15.95	15.72	17.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.63	15.96	15.81	17.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.66	15.96	15.69	17.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.81	15.83	15.79	17.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.75	15.95	15.66	17.0	0.0
Channel								
Frequency (MHz)				647000	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.77	15.87	15.75	17.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.61	15.87	15.87	17.0	0.0

### PC2 Part270 n77 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								
Frequency (MHz)				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.62	18.87	18.83		
100	PI/2 BPSK	1	137	18.69	18.65	18.42	20.0	0.0
100	PI/2 BPSK	1	271	18.47	18.61	18.63		
100	PI/2 BPSK	135	0	18.55	18.58	18.66	20.0	0.0
100	PI/2 BPSK	135	69	18.75	18.71	18.51	20.0	0.0
100	PI/2 BPSK	135	138	18.34	18.55	18.43		
100	PI/2 BPSK	270	0	18.73	18.77	18.56	20.0	0.0
100	QPSK	1	1	18.79	18.95	18.82		
100	QPSK	1	137	18.46	18.56	18.52	20.0	0.0
100	QPSK	1	271	18.59	18.53	18.72		
100	QPSK	135	0	18.67	18.69	18.76	20.0	0.0
100	QPSK	135	69	18.84	18.88	18.83	20.0	0.0
100	QPSK	135	138	18.64	18.80	18.75		
100	QPSK	270	0	18.81	18.86	18.83	20.0	0.0
100	16QAM	1	1	18.65	18.74	18.53	20.0	0.0
100	64QAM	1	1	18.72	18.77	18.56	20.0	0.0
100	256QAM	1	1	18.61	18.78	18.50	20.0	0.0
Channel								
Frequency (MHz)				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.66	18.84	18.75	20.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.76	18.83	18.82	20.0	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	18.65	18.90	18.80	20.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.61	18.82	18.82	20.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.72	18.88	18.85	20.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.64	18.74	18.82	20.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.69	18.82	18.81	20.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.78	18.93	18.71	20.0	0.0
Channel								
Frequency (MHz)				647000	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.57	18.93	18.81	20.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.79	18.86	18.64	20.0	0.0



### PC3 Part27Q n77 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								
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	15.70	15.72	15.73	17.0	0.0
100	PI/2 BPSK	1	137	15.72	15.73	15.74		
100	PI/2 BPSK	1	271	15.76	15.77	15.78		
100	PI/2 BPSK	135	0	15.75	15.76	15.77		
100	PI/2 BPSK	135	69	15.69	15.70	15.71		
100	PI/2 BPSK	135	138	15.73	15.74	15.75		
100	PI/2 BPSK	270	0	15.79	15.80	15.81		
100	QPSK	1	1	15.81	15.82	15.83		
100	QPSK	1	137	15.83	15.84	15.85		
100	QPSK	1	271	15.86	15.87	15.88		
100	QPSK	135	0	15.71	15.72	15.73		
100	QPSK	135	69	15.70	15.71	15.72		
100	QPSK	135	138	15.77	15.78	15.79		
100	QPSK	270	0	15.75	15.76	15.77		
100	16QAM	1	1	15.62	15.63	15.64		
100	64QAM	1	1	15.74	15.75	15.76		
100	256QAM	1	1	15.61	15.62	15.63		
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	17.0	0.0
90	QPSK	1	1	15.62	15.59	15.72	17.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	17.0	0.0
80	QPSK	1	1	15.65	15.68	15.74	17.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	17.0	0.0
70	QPSK	1	1	15.58	15.79	15.65	17.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	17.0	0.0
60	QPSK	1	1	15.58	15.65	15.64	17.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	17.0	0.0
50	QPSK	1	1	15.69	15.61	15.61	17.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	17.0	0.0
40	QPSK	1	1	15.62	15.79	15.76	17.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	17.0	0.0
30	QPSK	1	1	15.63	15.76	15.64	17.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	17.0	0.0
20	QPSK	1	1	15.69	15.74	15.70	17.0	0.0
Channel								
Frequency (MHz)				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	17.0	0.0
15	QPSK	1	1	15.67	15.80	15.56	17.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	17.0	0.0
10	QPSK	1	1	15.69	15.78	15.68	17.0	0.0

### PC2 Part27Q n77 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								
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	18.61	18.68	18.68	20.0	0.0
100	PI/2 BPSK	1	137	18.68	18.74	18.74		
100	PI/2 BPSK	1	271	18.74	18.75	18.76		
100	PI/2 BPSK	135	0	18.65	18.66	18.67		
100	PI/2 BPSK	135	69	18.63	18.64	18.65		
100	PI/2 BPSK	135	138	18.68	18.69	18.70		
100	PI/2 BPSK	270	0	18.85	18.86	18.87		
100	QPSK	1	1	18.87	18.88	18.89		
100	QPSK	1	137	18.91	18.92	18.93		
100	QPSK	1	271	18.96	18.97	18.98		
100	QPSK	135	0	18.66	18.67	18.68		
100	QPSK	135	69	18.85	18.86	18.87		
100	QPSK	135	138	18.75	18.76	18.77		
100	QPSK	270	0	18.81	18.82	18.83		
100	16QAM	1	1	18.69	18.70	18.71		
100	64QAM	1	1	18.79	18.80	18.81		
100	256QAM	1	1	18.72	18.73	18.74		
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	20.0	0.0
90	QPSK	1	1	18.76	18.78	18.76	20.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	20.0	0.0
80	QPSK	1	1	18.73	18.80	18.74	20.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	20.0	0.0
70	QPSK	1	1	18.76	18.70	18.77	20.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	20.0	0.0
60	QPSK	1	1	18.64	18.79	18.66	20.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	20.0	0.0
50	QPSK	1	1	18.74	18.63	18.66	20.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	20.0	0.0
40	QPSK	1	1	18.58	18.75	18.82	20.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	20.0	0.0
30	QPSK	1	1	18.76	18.72	18.69	20.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	20.0	0.0
20	QPSK	1	1	18.72	18.65	18.72	20.0	0.0
Channel								
Frequency (MHz)				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	20.0	0.0
15	QPSK	1	1	18.62	18.79	18.78	20.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	20.0	0.0
10	QPSK	1	1	18.55	18.65	18.62	20.0	0.0



**PC3 Part270 n78 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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	16.25			17.5	0.0
100	PI/2 BPSK	1	137	16.28				
100	PI/2 BPSK	1	271	16.30				
100	PI/2 BPSK	135	0	16.28			17.5	0.0
100	PI/2 BPSK	135	69	16.30			17.5	0.0
100	PI/2 BPSK	135	138	16.16			17.5	0.0
100	PI/2 BPSK	270	0	16.21				
100	QPSK	1	1	16.32			17.5	0.0
100	QPSK	1	137	16.26				
100	QPSK	1	271	16.28				
100	QPSK	135	0	16.23			17.5	0.0
100	QPSK	135	69	16.30			17.5	0.0
100	QPSK	135	138	16.23			17.5	0.0
100	QPSK	270	0	16.25			17.5	0.0
100	16QAM	1	1	16.22			17.5	0.0
100	64QAM	1	1	16.24			17.5	0.0
100	256QAM	1	1	16.30			17.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.24	16.13	16.12	17.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.19	16.28	16.11	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.16	16.15	16.05	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.18	16.29	16.19	17.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				16.18	16.29	16.08		
50	QPSK	1	1	16.08	16.30	16.23	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.13	16.30	16.15	17.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.28	16.20	16.23	17.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.13	16.28	16.26	17.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.12	16.27	16.05	17.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.13	16.28	16.22	17.5	0.0

**PC2 Part270 n78 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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	19.31			20.5	0.0
100	PI/2 BPSK	1	137	19.37				
100	PI/2 BPSK	1	271	19.21				
100	PI/2 BPSK	135	0	19.22			20.5	0.0
100	PI/2 BPSK	135	69	19.37			20.5	0.0
100	PI/2 BPSK	135	138	19.10			20.5	0.0
100	PI/2 BPSK	270	0	19.28				
100	QPSK	1	1	19.40			20.5	0.0
100	QPSK	1	137	19.36				
100	QPSK	1	271	19.27				
100	QPSK	135	0	19.13			20.5	0.0
100	QPSK	135	69	19.35			20.5	0.0
100	QPSK	135	138	19.29			20.5	0.0
100	QPSK	270	0	19.32			20.5	0.0
100	16QAM	1	1	19.24			20.5	0.0
100	64QAM	1	1	19.25			20.5	0.0
100	256QAM	1	1	19.35			20.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.30	19.21	19.27	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.13	19.25	19.23	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.21	19.32	19.14	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.26	19.39	19.19	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.31	19.34	19.10	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.29	19.27	19.17	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.15	19.22	19.17	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.24	19.25	19.22	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.26	19.18	19.32	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.20	19.29	19.30	20.5	0.0



PC3 Part27Q n78 Ant6 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	16.10			17.5	0.0	
100	PI/2 BPSK	1	137	16.08					
100	PI/2 BPSK	1	271	16.10					
100	PI/2 BPSK	135	0	16.12			17.5	0.0	
100	PI/2 BPSK	135	69	16.19			17.5	0.0	
100	PI/2 BPSK	135	138	16.00			17.5	0.0	
100	PI/2 BPSK	270	0	16.03					
100	QPSK	1	1	16.28			17.5	0.0	
100	QPSK	1	137	16.16					
100	QPSK	1	271	16.26					
100	QPSK	135	0	16.20			17.5	0.0	
100	QPSK	135	69	16.25			17.5	0.0	
100	QPSK	135	138	16.07			17.5	0.0	
100	QPSK	270	0	16.19					
100	16QAM	1	1	16.16			17.5	0.0	
100	64QAM	1	1	16.13			17.5	0.0	
100	256QAM	1	1	16.20			17.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.18	16.20	16.00	17.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	16.03	16.11	16.05	17.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.22	16.06	16.16	17.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.09	16.10	16.12	17.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.07	16.17	16.03	17.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.02	16.21	16.04	17.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.01	16.13	16.21	17.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.18	16.10	16.01	17.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	16.06	16.13	16.19	17.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	16.17	16.24	16.01	17.5	0.0	

PC2 Part27Q n78 Ant6 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	19.06			20.5	0.0	
100	PI/2 BPSK	1	137	19.13					
100	PI/2 BPSK	1	271	19.00					
100	PI/2 BPSK	135	0	19.14			20.5	0.0	
100	PI/2 BPSK	135	69	19.20			20.5	0.0	
100	PI/2 BPSK	135	138	19.10			20.5	0.0	
100	PI/2 BPSK	270	0	19.05					
100	QPSK	1	1	19.25			20.5	0.0	
100	QPSK	1	137	19.19					
100	QPSK	1	271	19.19					
100	QPSK	135	0	19.15			20.5	0.0	
100	QPSK	135	69	19.23			20.5	0.0	
100	QPSK	135	138	19.06			20.5	0.0	
100	QPSK	270	0	19.21					
100	16QAM	1	1	19.22			20.5	0.0	
100	64QAM	1	1	19.06			20.5	0.0	
100	256QAM	1	1	19.08			20.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	19.07	19.06	19.17	20.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	19.23	19.09	19.16	20.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	19.18	19.05	19.15	20.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	19.10	19.11	19.18	20.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	19.11	19.08	19.20	20.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	19.10	19.23	19.15	20.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	19.21	19.04	19.10	20.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	19.14	19.19	19.13	20.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	19.13	19.04	19.14	20.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	19.01	19.19	19.06	20.5	0.0	



PC3 Part270 n77 Ant7 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.40	15.53	15.29		
100	PI/2 BPSK	1	137	15.21	15.48	15.20	17.1	0.0
100	PI/2 BPSK	1	271	15.32	15.56	15.25		
100	PI/2 BPSK	135	0	15.37	15.28	15.28	17.1	0.0
100	PI/2 BPSK	135	69	15.55	15.51	15.26	17.1	0.0
100	PI/2 BPSK	135	138	15.25	15.49	15.29	17.1	0.0
100	PI/2 BPSK	270	0	15.22	15.31	15.27		
100	QPSK	1	1	15.57	15.73	15.48		
100	QPSK	1	137	15.29	15.46	15.38	17.1	0.0
100	QPSK	1	271	15.44	15.53	15.52		
100	QPSK	135	0	15.13	15.16	15.17	17.1	0.0
100	QPSK	135	69	15.59	15.68	15.52	17.1	0.0
100	QPSK	135	138	15.21	15.14	15.12		
100	QPSK	270	0	15.14	15.37	15.17	17.1	0.0
100	16QAM	1	1	15.46	15.31	15.23	17.1	0.0
100	64QAM	1	1	15.27	15.31	15.27	17.1	0.0
100	256QAM	1	1	15.45	15.50	15.54	17.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.37	15.57	15.42	17.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.51	15.55	15.39	17.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.48	15.71	15.38	17.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.49	15.66	15.32	17.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.38	15.57	15.37	17.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.40	15.68	15.31	17.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.48	15.58	15.31	17.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.54	15.66	15.29	17.1	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.42	15.70	15.42	17.1	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.57	15.67	15.48	17.1	0.0

PC2 Part270 n77 Ant7 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.50	18.46	18.30		
100	PI/2 BPSK	1	137	18.25	18.39	18.18	20.1	0.0
100	PI/2 BPSK	1	271	18.31	18.53	18.32		
100	PI/2 BPSK	135	0	18.43	18.24	18.34	20.1	0.0
100	PI/2 BPSK	135	69	18.50	18.60	18.26	20.1	0.0
100	PI/2 BPSK	135	138	18.23	18.52	18.33	20.1	0.0
100	PI/2 BPSK	270	0	18.18	18.38	18.23		
100	QPSK	1	1	18.51	18.79	18.57		
100	QPSK	1	137	18.20	18.45	18.40	20.1	0.0
100	QPSK	1	271	18.47	18.67	18.64		
100	QPSK	135	0	18.25	18.16	18.27	20.1	0.0
100	QPSK	135	69	18.65	18.71	18.45	20.1	0.0
100	QPSK	135	138	18.17	18.23	18.22		
100	QPSK	270	0	18.24	18.28	18.14	20.1	0.0
100	16QAM	1	1	18.52	18.31	18.26	20.1	0.0
100	64QAM	1	1	18.33	18.26	18.30	20.1	0.0
100	256QAM	1	1	18.59	18.51	18.55	20.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.53	18.56	18.37	20.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.52	18.61	18.45	20.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.45	18.51	18.52	20.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.50	18.82	18.30	20.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.55	18.66	18.37	20.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.55	18.68	18.52	20.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.58	18.61	18.47	20.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.57	18.63	18.38	20.1	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.45	18.66	18.48	20.1	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.58	18.65	18.51	20.1	0.0





PC3 Part27Q n77 Ant7 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3500.01								
100	PI/2 BPSK	1	1	15.59			17.1	0.0
100	PI/2 BPSK	1	137	15.56				
100	PI/2 BPSK	1	271	15.60				
100	PI/2 BPSK	135	0	15.53				
100	PI/2 BPSK	135	69	15.60				
100	PI/2 BPSK	135	138	15.63				
100	PI/2 BPSK	270	0	15.58				
100	QPSK	1	1	15.64				
100	QPSK	1	137	15.47				
100	QPSK	1	271	15.54				
100	QPSK	135	0	15.47				
100	QPSK	135	69	15.51				
100	QPSK	135	138	15.42				
100	QPSK	270	0	15.53				
100	16QAM	1	1	15.39				
100	64QAM	1	1	15.41				
100	256QAM	1	1	15.56				
Channel								
Frequency (MHz)								
633000 633334 633668								
3495 3500.01 3505.02								
90	QPSK	1	1	15.62	15.56	15.61	17.1	0.0
Channel								
Frequency (MHz)								
632668 633334 634000								
3490.02 3500.01 3510								
80	QPSK	1	1	15.45	15.54	15.63	17.1	0.0
Channel								
Frequency (MHz)								
632334 633334 634334								
3485.01 3500.01 3515.01								
70	QPSK	1	1	15.50	15.59	15.62	17.1	0.0
Channel								
Frequency (MHz)								
632000 633334 634668								
3480 3500.01 3520.02								
60	QPSK	1	1	15.56	15.43	15.58	17.1	0.0
Channel								
Frequency (MHz)								
631668 633334 635000								
3475.02 3500.01 3525								
50	QPSK	1	1	15.56	15.53	15.48	17.1	0.0
Channel								
Frequency (MHz)								
631334 633334 635334								
3470.01 3500.01 3530.01								
40	QPSK	1	1	15.42	15.58	15.50	17.1	0.0
Channel								
Frequency (MHz)								
631000 633334 635668								
3465 3500.01 3535.02								
30	QPSK	1	1	15.59	15.42	15.51	17.1	0.0
Channel								
Frequency (MHz)								
630668 633334 636000								
3460.02 3500.01 3540								
20	QPSK	1	1	15.50	15.44	15.48	17.1	0.0
Channel								
Frequency (MHz)								
630300 633334 636168								
3457.5 3500.01 3542.52								
15	QPSK	1	1	15.53	15.41	15.56	17.1	0.0
Channel								
Frequency (MHz)								
630334 633334 636334								
3455.01 3500.01 3545.01								
10	QPSK	1	1	15.49	15.43	15.45	17.1	0.0

PC2 Part27Q n77 Ant7 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3500.01								
100	PI/2 BPSK	1	1	18.52			20.1	0.0
100	PI/2 BPSK	1	137	18.45				
100	PI/2 BPSK	1	271	18.46				
100	PI/2 BPSK	135	0	18.44				
100	PI/2 BPSK	135	69	18.64				
100	PI/2 BPSK	135	138	18.61				
100	PI/2 BPSK	270	0	18.58				
100	QPSK	1	1	18.67				
100	QPSK	1	137	18.46				
100	QPSK	1	271	18.51				
100	QPSK	135	0	18.44				
100	QPSK	135	69	18.53				
100	QPSK	135	138	18.49				
100	QPSK	270	0	18.43				
100	16QAM	1	1	18.29				
100	64QAM	1	1	18.30				
100	256QAM	1	1	18.29				
Channel								
Frequency (MHz)								
633000 633334 633668								
3495 3500.01 3505.02								
90	QPSK	1	1	18.37	18.29	18.23	20.1	0.0
Channel								
Frequency (MHz)								
632668 633334 634000								
3490.02 3500.01 3510								
80	QPSK	1	1	18.36	18.14	18.25	20.1	0.0
Channel								
Frequency (MHz)								
632334 633334 634334								
3485.01 3500.01 3515.01								
70	QPSK	1	1	18.29	18.22	18.21	20.1	0.0
Channel								
Frequency (MHz)								
632000 633334 634668								
3480 3500.01 3520.02								
60	QPSK	1	1	18.40	18.38	18.24	20.1	0.0
Channel								
Frequency (MHz)								
631668 633334 635000								
3475.02 3500.01 3525								
50	QPSK	1	1	18.43	18.33	18.24	20.1	0.0
Channel								
Frequency (MHz)								
631334 633334 635334								
3470.01 3500.01 3530.01								
40	QPSK	1	1	18.40	18.14	18.30	20.1	0.0
Channel								
Frequency (MHz)								
631000 633334 635668								
3465 3500.01 3535.02								
30	QPSK	1	1	18.33	18.33	18.27	20.1	0.0
Channel								
Frequency (MHz)								
630668 633334 636000								
3460.02 3500.01 3540								
20	QPSK	1	1	18.29	18.34	18.20	20.1	0.0
Channel								
Frequency (MHz)								
630300 633334 636168								
3457.5 3500.01 3542.52								
15	QPSK	1	1	18.31	18.22	18.43	20.1	0.0
Channel								
Frequency (MHz)								
630334 633334 636334								
3455.01 3500.01 3545.01								
10	QPSK	1	1	18.34	18.34	18.21	20.1	0.0



### PC3 Part270 n78 Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	15.46			17.1	0.0
100	PI/2 BPSK	1	137	15.32				
100	PI/2 BPSK	1	271	15.25				
100	PI/2 BPSK	135	0	15.38			17.1	0.0
100	PI/2 BPSK	135	69	15.33			17.1	0.0
100	PI/2 BPSK	135	138	15.51			17.1	0.0
100	PI/2 BPSK	270	0	15.40				
100	QPSK	1	1	15.53			17.1	0.0
100	QPSK	1	137	15.35				
100	QPSK	1	271	15.25				
100	QPSK	135	0	15.20			17.1	0.0
100	QPSK	135	69	15.47			17.1	0.0
100	QPSK	135	138	15.30			17.1	0.0
100	QPSK	270	0	15.43			17.1	0.0
100	16QAM	1	1	15.51			17.1	0.0
100	64QAM	1	1	15.41			17.1	0.0
100	256QAM	1	1	15.26			17.1	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	15.32	15.23	15.31	17.1	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	15.24	15.24	15.24	17.1	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3725	3750	3775	(dBm)	(dB)
70	QPSK	1	1	15.21	15.31	15.29	17.1	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	15.22	15.23	15.20	17.1	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	15.24	15.17	15.18	17.1	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.27	15.35	15.20	17.1	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	15.38	15.19	15.40	17.1	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	15.35	15.22	15.30	17.1	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	15.21	15.31	15.34	17.1	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	15.28	15.24	15.22	17.1	0.0

### PC2 Part270 n78 Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	18.33			20.1	0.0
100	PI/2 BPSK	1	137	18.22				
100	PI/2 BPSK	1	271	18.18				
100	PI/2 BPSK	135	0	18.32			20.1	0.0
100	PI/2 BPSK	135	69	18.30			20.1	0.0
100	PI/2 BPSK	135	138	18.50			20.1	0.0
100	PI/2 BPSK	270	0	18.39				
100	QPSK	1	1	18.61			20.1	0.0
100	QPSK	1	137	18.37				
100	QPSK	1	271	18.17				
100	QPSK	135	0	18.16			20.1	0.0
100	QPSK	135	69	18.38			20.1	0.0
100	QPSK	135	138	18.15			20.1	0.0
100	QPSK	270	0	18.40			20.1	0.0
100	16QAM	1	1	18.41			20.1	0.0
100	64QAM	1	1	18.20			20.1	0.0
100	256QAM	1	1	18.16			20.1	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	18.31	18.15	18.18	20.1	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	18.27	18.11	18.21	20.1	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3725	3750	3775	(dBm)	(dB)
70	QPSK	1	1	18.18	18.13	18.25	20.1	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.16	18.13	18.19	20.1	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	18.14	18.17	18.24	20.1	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.31	18.19	18.15	20.1	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	18.17	18.12	18.13	20.1	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	18.33	18.22	18.18	20.1	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	18.20	18.19	18.30	20.1	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	18.13	18.20	18.23	20.1	0.0



PC3 Part27Q n78 Ant7 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	15.55			17.1	0.0	
100	PI/2 BPSK	1	137	15.61					
100	PI/2 BPSK	1	271	15.55					
100	PI/2 BPSK	135	0	15.63			17.1	0.0	
100	PI/2 BPSK	135	69	15.53			17.1	0.0	
100	PI/2 BPSK	135	138	15.44			17.1	0.0	
100	PI/2 BPSK	270	0	15.47					
100	QPSK	1	1	15.68			17.1	0.0	
100	QPSK	1	137	15.65					
100	QPSK	1	271	15.29					
100	QPSK	135	0	15.50			17.1	0.0	
100	QPSK	135	69	15.58			17.1	0.0	
100	QPSK	135	138	15.46			17.1	0.0	
100	QPSK	270	0	15.60			17.1	0.0	
100	16QAM	1	1	15.29			17.1	0.0	
100	64QAM	1	1	15.54			17.1	0.0	
100	256QAM	1	1	15.37			17.1	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	15.32	15.31	15.30	17.1	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	15.51	15.27	15.42	17.1	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	15.31	15.37	15.37	17.1	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	15.41	15.42	15.40	17.1	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	15.42	15.34	15.45	17.1	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	15.35	15.32	15.28	17.1	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	15.34	15.26	15.42	17.1	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	15.33	15.26	15.32	17.1	0.0	
Channel				630300	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	15.46	15.46	15.28	17.1	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	15.34	15.42	15.33	17.1	0.0	

PC2 Part27Q n78 Ant7 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	18.50			20.1	0.0	
100	PI/2 BPSK	1	137	18.54					
100	PI/2 BPSK	1	271	18.51					
100	PI/2 BPSK	135	0	18.53			20.1	0.0	
100	PI/2 BPSK	135	69	18.53			20.1	0.0	
100	PI/2 BPSK	135	138	18.50			20.1	0.0	
100	PI/2 BPSK	270	0	18.52					
100	QPSK	1	1	18.56			20.1	0.0	
100	QPSK	1	137	18.52					
100	QPSK	1	271	18.39					
100	QPSK	135	0	18.49			20.1	0.0	
100	QPSK	135	69	18.52			20.1	0.0	
100	QPSK	135	138	18.50			20.1	0.0	
100	QPSK	270	0	18.49			20.1	0.0	
100	16QAM	1	1	18.36			20.1	0.0	
100	64QAM	1	1	18.53			20.1	0.0	
100	256QAM	1	1	18.28			20.1	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	18.33	18.28	18.12	20.1	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	18.23	18.31	18.13	20.1	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	18.31	18.32	18.14	20.1	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	18.15	18.30	18.16	20.1	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	18.33	18.20	18.30	20.1	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	18.22	18.14	18.14	20.1	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	18.33	18.19	18.23	20.1	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	18.25	18.25	18.19	20.1	0.0	
Channel				630300	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	18.26	18.17	18.13	20.1	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	18.25	18.23	18.31	20.1	0.0	



PC3 Part270 n77 Ant8 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pl/2 BPSK	1	1	23.71	23.85	23.80			
100	Pl/2 BPSK	1	137	23.66	23.75	23.70	25.5	0.0	
100	Pl/2 BPSK	1	271	23.74	23.77	23.65			
100	Pl/2 BPSK	135	0	23.17	23.30	23.24	25.0	0.5	
100	Pl/2 BPSK	135	69	23.68	23.78	23.63	25.5	0.0	
100	Pl/2 BPSK	135	138	23.22	23.27	23.11	25.0	0.5	
100	Pl/2 BPSK	270	0	23.25	23.33	23.24			
100	QPSK	1	1	23.85	23.92	23.72			
100	QPSK	1	137	23.71	23.83	23.76	25.5	0.0	
100	QPSK	1	271	23.74	23.85	23.73			
100	QPSK	135	0	22.87	22.92	22.76	24.5	1.0	
100	QPSK	135	69	23.81	23.89	23.69	25.5	0.0	
100	QPSK	135	138	22.73	22.82	22.72	24.5	1.0	
100	QPSK	270	0	22.78	22.83	22.66			
100	16QAM	1	1	22.56	22.61	22.58	24.5	1.0	
100	64QAM	1	1	21.25	21.30	21.21	23.0	2.5	
100	256QAM	1	1	19.25	19.41	19.37	21.0	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.81	23.80	23.67	25.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.78	23.81	23.57	25.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.83	23.83	23.63	25.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.74	23.83	23.65	25.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.70	23.79	23.55	25.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.79	23.86	23.59	25.5	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.71	23.80	23.60	25.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.69	23.81	23.63	25.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.82	23.87	23.67	25.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.78	23.88	23.57	25.5	0.0	

PC2 Part270 n77 Ant8 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pl/2 BPSK	1	1	25.72	25.87	25.82			
100	Pl/2 BPSK	1	137	25.86	25.94	25.82	27.5	0.0	
100	Pl/2 BPSK	1	271	25.91	26.00	25.86			
100	Pl/2 BPSK	135	0	25.31	25.47	25.37	27.0	0.5	
100	Pl/2 BPSK	135	69	25.77	25.92	25.77	27.5	0.0	
100	Pl/2 BPSK	135	138	25.30	25.44	25.39	27.0	0.5	
100	Pl/2 BPSK	270	0	25.36	25.45	25.30			
100	QPSK	1	1	25.96	26.01	25.83			
100	QPSK	1	137	25.86	25.93	25.91	27.5	0.0	
100	QPSK	1	271	25.93	25.99	25.95			
100	QPSK	135	0	24.78	24.95	24.80	26.5	1.0	
100	QPSK	135	69	25.81	25.87	25.70	27.5	0.0	
100	QPSK	135	138	24.77	24.88	24.84	26.5	1.0	
100	QPSK	270	0	24.81	24.86	24.69			
100	16QAM	1	1	24.89	24.98	24.89	26.5	1.0	
100	64QAM	1	1	23.50	23.62	23.50	25.0	2.5	
100	256QAM	1	1	21.41	21.53	21.47	23.0	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.87	25.98	25.79	27.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.81	25.95	25.74	27.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.87	25.99	25.79	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	25.90	25.87	25.67	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	25.91	25.96	25.67	27.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.86	25.87	25.71	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	25.81	25.96	25.76	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	25.84	25.96	25.72	27.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	25.92	25.87	25.72	27.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.82	25.97	25.80	27.5	0.0	



PC3 Part27Q n77 Ant8 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3500.01	633334				
100	Pl/2 BPSK	1	1	23.78			25.5	0.0	
100	Pl/2 BPSK	1	137	23.62					
100	Pl/2 BPSK	1	271	23.67					
100	Pl/2 BPSK	135	0	23.06			25.0	0.5	
100	Pl/2 BPSK	135	69	23.66			25.5	0.0	
100	Pl/2 BPSK	135	138	23.22			25.0	0.5	
100	Pl/2 BPSK	270	0	23.11					
100	QPSK	1	1	23.80			25.5	0.0	
100	QPSK	1	137	23.65					
100	QPSK	1	271	23.72					
100	QPSK	135	0	22.59			24.5	1.0	
100	QPSK	135	69	23.76			25.5	0.0	
100	QPSK	135	138	22.71			24.5	1.0	
100	QPSK	270	0	22.68					
100	16QAM	1	1	22.78			24.5	1.0	
100	64QAM	1	1	21.32			23.0	2.5	
100	256QAM	1	1	19.21			21.0	4.5	
Channel									
Frequency (MHz)									
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02			
90	QPSK	1	1	23.69	23.70	23.62	25.5	0.0	
Channel									
Frequency (MHz)									
				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3490.02	3500.01	3510			
80	QPSK	1	1	23.73	23.72	23.68	25.5	0.0	
Channel									
Frequency (MHz)									
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3515.01			
70	QPSK	1	1	23.65	23.65	23.69	25.5	0.0	
Channel									
Frequency (MHz)									
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02			
60	QPSK	1	1	23.69	23.72	23.81	25.5	0.0	
Channel									
Frequency (MHz)									
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525			
50	QPSK	1	1	23.69	23.70	23.72	25.5	0.0	
Channel									
Frequency (MHz)									
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.68	23.77	23.74	25.5	0.0	
Channel									
Frequency (MHz)									
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02			
30	QPSK	1	1	23.72	23.71	23.71	25.5	0.0	
Channel									
Frequency (MHz)									
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540			
20	QPSK	1	1	23.71	23.76	23.69	25.5	0.0	
Channel									
Frequency (MHz)									
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500.01	3542.52			
15	QPSK	1	1	23.70	23.70	23.65	25.5	0.0	
Channel									
Frequency (MHz)									
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500.01	3545.01			
10	QPSK	1	1	23.71	23.68	23.72	25.5	0.0	

PC2 Part27Q n77 Ant8 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3500.01	633334				
100	Pl/2 BPSK	1	1	25.80			27.5	0.0	
100	Pl/2 BPSK	1	137	25.64					
100	Pl/2 BPSK	1	271	25.77					
100	Pl/2 BPSK	135	0	25.10			27.0	0.5	
100	Pl/2 BPSK	135	69	25.62			27.5	0.0	
100	Pl/2 BPSK	135	138	25.15			27.0	0.5	
100	Pl/2 BPSK	270	0	25.11					
100	QPSK	1	1	25.84			27.5	0.0	
100	QPSK	1	137	25.70					
100	QPSK	1	271	25.80					
100	QPSK	135	0	24.69			26.5	1.0	
100	QPSK	135	69	25.63			27.5	0.0	
100	QPSK	135	138	24.71			26.5	1.0	
100	QPSK	270	0	24.78					
100	16QAM	1	1	24.76			26.5	1.0	
100	64QAM	1	1	23.37			25.0	2.5	
100	256QAM	1	1	21.29			23.0	4.5	
Channel									
Frequency (MHz)									
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02			
90	QPSK	1	1	25.69	25.80	25.79	27.5	0.0	
Channel									
Frequency (MHz)									
				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3490.02	3500.01	3510			
80	QPSK	1	1	25.62	25.80	25.76	27.5	0.0	
Channel									
Frequency (MHz)									
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3515.01			
70	QPSK	1	1	25.76	25.67	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02			
60	QPSK	1	1	25.63	25.68	25.79	27.5	0.0	
Channel									
Frequency (MHz)									
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525			
50	QPSK	1	1	25.64	25.78	25.67	27.5	0.0	
Channel									
Frequency (MHz)									
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3500.01	3530.01			
40	QPSK	1	1	25.65	25.67	25.77	27.5	0.0	
Channel									
Frequency (MHz)									
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02			
30	QPSK	1	1	25.71	25.75	25.79	27.5	0.0	
Channel									
Frequency (MHz)									
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540			
20	QPSK	1	1	25.67	25.79	25.75	27.5	0.0	
Channel									
Frequency (MHz)									
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500.01	3542.52			
15	QPSK	1	1	25.66	25.75	25.69	27.5	0.0	
Channel									
Frequency (MHz)									
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500.01	3545.01			
10	QPSK	1	1	25.64	25.78	25.67	27.5	0.0	



PC3 Part270 n78 Ant8 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		23.74		25.5	0.0	
100	PI/2 BPSK	1	137		23.78				
100	PI/2 BPSK	1	271		23.82				
100	PI/2 BPSK	135	0		23.35		25.0	0.5	
100	PI/2 BPSK	135	69		23.80		25.5	0.0	
100	PI/2 BPSK	135	138		23.29		25.0	0.5	
100	PI/2 BPSK	270	0		23.38				
100	QPSK	1	1		23.88		25.5	0.0	
100	QPSK	1	137		23.76				
100	QPSK	1	271		23.84				
100	QPSK	135	0		22.84		24.5	1.0	
100	QPSK	135	69		23.85		25.5	0.0	
100	QPSK	135	138		22.82		24.5	1.0	
100	QPSK	270	0		22.87				
100	16QAM	1	1		22.82		24.5	1.0	
100	64QAM	1	1		21.34		23.0	2.5	
100	256QAM	1	1		19.47		21.0	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		23.72	23.73	23.76	25.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		23.78	23.77	23.72	25.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		23.71	23.83	23.76	25.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		23.73	23.81	23.77	25.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		23.80	23.72	23.71	25.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		23.72	23.72	23.82	25.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		23.77	23.83	23.80	25.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		23.68	23.84	23.69	25.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		23.71	23.85	23.80	25.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		23.80	23.78	23.79	25.5	0.0

PC2 Part270 n78 Ant8 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		25.80		27.5	0.0	
100	PI/2 BPSK	1	137		25.78				
100	PI/2 BPSK	1	271		25.82				
100	PI/2 BPSK	135	0		25.27		27.0	0.5	
100	PI/2 BPSK	135	69		25.79		27.5	0.0	
100	PI/2 BPSK	135	138		25.24		27.0	0.5	
100	PI/2 BPSK	270	0		25.25				
100	QPSK	1	1		25.84		27.5	0.0	
100	QPSK	1	137		25.78				
100	QPSK	1	271		25.82				
100	QPSK	135	0		24.76		26.5	1.0	
100	QPSK	135	69		25.79		27.5	0.0	
100	QPSK	135	138		24.87		26.5	1.0	
100	QPSK	270	0		24.82				
100	16QAM	1	1		24.89		26.5	1.0	
100	64QAM	1	1		23.28		25.0	2.5	
100	256QAM	1	1		21.44		23.0	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.76	25.71	25.78	27.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.67	25.79	25.78	27.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.83	25.73	25.71	27.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.74	25.74	25.78	27.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.67	25.80	25.88	27.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.75	25.69	25.72	27.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.76	25.68	25.68	27.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.66	25.77	25.76	27.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.68	25.73	25.79	27.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.73	25.76	25.68	27.5	0.0



PC3 Part27Q n78 Ant8 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	633334	633334			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	23.78			25.5	0.0	
100	PI/2 BPSK	1	137	23.73					
100	PI/2 BPSK	1	271	23.75					
100	PI/2 BPSK	135	0	23.24			25.0	0.5	
100	PI/2 BPSK	135	69	23.75			25.5	0.0	
100	PI/2 BPSK	135	138	23.39			25.0	0.5	
100	PI/2 BPSK	270	0	23.30					
100	QPSK	1	1	23.79			25.5	0.0	
100	QPSK	1	137	23.68					
100	QPSK	1	271	23.74					
100	QPSK	135	0	22.68			24.5	1.0	
100	QPSK	135	69	23.70			25.5	0.0	
100	QPSK	135	138	22.84			24.5	1.0	
100	QPSK	270	0	22.76					
100	16QAM	1	1	22.86			24.5	1.0	
100	64QAM	1	1	21.32			23.0	2.5	
100	256QAM	1	1	19.34			21.0	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	23.64	23.76	23.63	25.5	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	23.64	23.77	23.64	25.5	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	23.74	23.68	23.63	25.5	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	23.69	23.78	23.63	25.5	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	23.65	23.71	23.62	25.5	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.69	23.72	23.70	25.5	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	23.73	23.76	23.65	25.5	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	23.62	23.73	23.72	25.5	0.0	
Channel				630300	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	23.72	23.75	23.61	25.5	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	23.67	23.74	23.65	25.5	0.0	

PC2 Part27Q n78 Ant8 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	633334	633334			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	25.75			27.5	0.0	
100	PI/2 BPSK	1	137	25.70					
100	PI/2 BPSK	1	271	25.78					
100	PI/2 BPSK	135	0	25.18			27.0	0.5	
100	PI/2 BPSK	135	69	25.66			27.5	0.0	
100	PI/2 BPSK	135	138	25.38			27.0	0.5	
100	PI/2 BPSK	270	0	25.06					
100	QPSK	1	1	25.80			27.5	0.0	
100	QPSK	1	137	25.75					
100	QPSK	1	271	25.72					
100	QPSK	135	0	24.65			26.5	1.0	
100	QPSK	135	69	25.70			27.5	0.0	
100	QPSK	135	138	24.78			26.5	1.0	
100	QPSK	270	0	24.68					
100	16QAM	1	1	24.74			26.5	1.0	
100	64QAM	1	1	23.25			25.0	2.5	
100	256QAM	1	1	21.28			23.0	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	25.66	25.69	25.69	27.5	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	25.73	25.75	25.72	27.5	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	25.68	25.77	25.61	27.5	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	25.69	25.66	25.75	27.5	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	25.61	25.64	25.69	27.5	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	25.69	25.76	25.66	27.5	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	25.71	25.76	25.71	27.5	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	25.65	25.69	25.74	27.5	0.0	
Channel				630300	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	25.73	25.72	25.64	27.5	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	25.71	25.65	25.62	27.5	0.0	



**PC3 Part270 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.46	15.52	15.21		
100	PI/2 BPSK	1	137	15.43	15.61	15.21	16.5	0.0
100	PI/2 BPSK	1	271	15.57	15.63	15.11		
100	PI/2 BPSK	135	0	15.24	15.58	15.07	16.5	0.0
100	PI/2 BPSK	135	69	15.51	15.68	15.03	16.5	0.0
100	PI/2 BPSK	135	138	15.59	15.56	15.01	16.5	0.0
100	PI/2 BPSK	270	0	15.30	15.52	14.89		
100	QPSK	1	1	15.64	15.69	15.19		
100	QPSK	1	137	15.38	15.55	14.93	16.5	0.0
100	QPSK	1	271	15.60	15.67	15.12		
100	QPSK	135	0	15.36	15.57	14.91	16.5	0.0
100	QPSK	135	69	15.55	15.61	15.18	16.5	0.0
100	QPSK	135	138	15.38	15.56	15.03	16.5	0.0
100	QPSK	270	0	15.40	15.50	15.08		
100	16QAM	1	1	15.32	15.57	15.02	16.5	0.0
100	64QAM	1	1	15.29	15.53	15.04	16.5	0.0
100	256QAM	1	1	15.37	15.51	15.02	16.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.45	15.59	15.09	16.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.48	15.63	15.04	16.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	15.62	15.58	14.99	16.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.61	15.58	15.05	16.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.65	15.65	15.05	16.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.44	15.52	15.16	16.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.52	15.61	15.04	16.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.61	15.68	15.12	16.5	0.0
Channel				647000	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.56	15.47	15.20	16.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.50	15.62	15.16	16.5	0.0

**PC2 Part270 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.44	18.48	18.21		
100	PI/2 BPSK	1	137	18.49	18.58	18.07	19.5	0.0
100	PI/2 BPSK	1	271	18.50	18.42	18.17		
100	PI/2 BPSK	135	0	18.41	18.40	18.11	19.5	0.0
100	PI/2 BPSK	135	69	18.27	18.29	18.17	19.5	0.0
100	PI/2 BPSK	135	138	18.24	18.33	18.28	19.5	0.0
100	PI/2 BPSK	270	0	18.46	18.40	18.25		
100	QPSK	1	1	18.51	18.59	18.43		
100	QPSK	1	137	18.48	18.49	18.17	19.5	0.0
100	QPSK	1	271	18.33	18.50	18.09		
100	QPSK	135	0	18.19	18.31	18.10	19.5	0.0
100	QPSK	135	69	18.30	18.58	18.21	19.5	0.0
100	QPSK	135	138	18.31	18.27	18.04	19.5	0.0
100	QPSK	270	0	18.26	18.56	18.09		
100	16QAM	1	1	18.32	18.42	18.09	19.5	0.0
100	64QAM	1	1	18.37	18.35	18.14	19.5	0.0
100	256QAM	1	1	17.35	17.39	17.01	18.5	1.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.43	18.56	18.14	19.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.46	18.55	18.42	19.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	18.48	18.50	18.11	19.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.50	18.45	18.11	19.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.51	18.40	18.08	19.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.55	18.53	18.05	19.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.52	18.49	18.01	19.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.48	18.47	18.01	19.5	0.0
Channel				647000	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.49	18.46	18.09	19.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.47	18.45	18.09	19.5	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										
Frequency (MHz)				633334						
3500.01				3500.01						
100	PI/2 BPSK	1	1	15.39			16.5	0.0		
100	PI/2 BPSK	1	137	15.25						
100	PI/2 BPSK	1	271	15.22						
100	PI/2 BPSK	135	0	15.22						
100	PI/2 BPSK	135	69	15.31						
100	PI/2 BPSK	135	138	15.27			16.5	0.0		
100	PI/2 BPSK	270	0	15.16			16.5	0.0		
100	QPSK	1	1	15.47						
100	QPSK	1	137	15.41						
100	QPSK	1	271	15.41			16.5	0.0		
100	QPSK	135	0	15.41			16.5	0.0		
100	QPSK	135	69	15.44			16.5	0.0		
100	QPSK	135	138	15.35			16.5	0.0		
100	QPSK	270	0	15.38			16.5	0.0		
100	16QAM	1	1	15.42			16.5	0.0		
100	64QAM	1	1	15.31			16.5	0.0		
100	256QAM	1	1	15.30			16.5	0.0		
Channel				633000	633334	633668				
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	15.23	15.23	15.26	16.5	0.0		
Channel				632668	633334	634000				
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	15.39	15.17	15.32	16.5	0.0		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3515.01				
70	QPSK	1	1	15.38	15.33	15.15	16.5	0.0		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	1	15.27	15.19	15.27	16.5	0.0		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1	15.41	15.12	15.23	16.5	0.0		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	15.33	15.29	15.25	16.5	0.0		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	3535.02				
30	QPSK	1	1	15.29	15.13	15.14	16.5	0.0		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	15.28	15.11	15.21	16.5	0.0		
Channel				630334	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1	15.36	15.27	15.25	16.5	0.0		
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	1	15.20	15.34	15.15	16.5	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										
Frequency (MHz)				633334						
3500.01				3500.01						
100	PI/2 BPSK	1	1	18.27			19.5	0.0		
100	PI/2 BPSK	1	137	18.34						
100	PI/2 BPSK	1	271	18.46						
100	PI/2 BPSK	135	0	18.16						
100	PI/2 BPSK	135	69	18.41						
100	PI/2 BPSK	135	138	18.30			19.5	0.0		
100	PI/2 BPSK	270	0	18.13			19.5	0.0		
100	QPSK	1	1	18.63						
100	QPSK	1	137	18.43						
100	QPSK	1	271	18.34			19.5	0.0		
100	QPSK	135	0	18.54			19.5	0.0		
100	QPSK	135	69	18.55			19.5	0.0		
100	QPSK	135	138	18.36			19.5	0.0		
100	QPSK	270	0	18.46			19.5	0.0		
100	16QAM	1	1	18.45			19.5	0.0		
100	64QAM	1	1	18.28			19.5	0.0		
100	256QAM	1	1	17.36			18.5	1.0		
Channel				633000	633334	633668				
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	18.25	18.29	18.31	19.5	0.0		
Channel				632668	633334	634000				
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	18.37	18.24	18.36	19.5	0.0		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3515.01				
70	QPSK	1	1	18.36	18.24	18.25	19.5	0.0		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	1	18.25	18.31	18.40	19.5	0.0		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1	18.27	18.36	18.29	19.5	0.0		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	18.33	18.17	18.44	19.5	0.0		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	3535.02				
30	QPSK	1	1	18.34	18.30	18.33	19.5	0.0		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	18.34	18.23	18.44	19.5	0.0		
Channel				630334	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1	18.45	18.35	18.42	19.5	0.0		
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	1	18.38	18.19	18.26	19.5	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	Pl/2 BPSK	1	1	14.19			15.5	0.0
100	Pl/2 BPSK	1	137	14.31				
100	Pl/2 BPSK	1	271	14.17				
100	Pl/2 BPSK	135	0	14.18			15.5	0.0
100	Pl/2 BPSK	135	69	14.18			15.5	0.0
100	Pl/2 BPSK	135	138	14.23			15.5	0.0
100	Pl/2 BPSK	270	0	14.24				
100	QPSK	1	1	14.53			15.5	0.0
100	QPSK	1	137	14.36				
100	QPSK	1	271	14.35				
100	QPSK	135	0	14.39			15.5	0.0
100	QPSK	135	69	14.44			15.5	0.0
100	QPSK	135	138	14.41			15.5	0.0
100	QPSK	270	0	14.39			15.5	0.0
100	16QAM	1	1	14.50			15.5	0.0
100	64QAM	1	1	14.15			15.5	0.0
100	256QAM	1	1	14.22			15.5	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	14.19	14.10	14.27	15.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	14.19	14.23	14.13	15.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	14.28	14.12	14.11	15.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	14.22	14.15	14.21	15.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	14.32	14.13	14.16	15.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	14.24	14.13	14.32	15.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	14.19	14.27	14.26	15.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	14.16	14.25	14.26	15.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	14.36	14.23	14.10	15.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	14.21	14.25	14.30	15.5	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	Pl/2 BPSK	1	1	17.46			18.5	0.0
100	Pl/2 BPSK	1	137	17.51				
100	Pl/2 BPSK	1	271	17.46				
100	Pl/2 BPSK	135	0	17.20			18.5	0.0
100	Pl/2 BPSK	135	69	17.25			18.5	0.0
100	Pl/2 BPSK	135	138	17.39			18.5	0.0
100	Pl/2 BPSK	270	0	17.40				
100	QPSK	1	1	17.64			18.5	0.0
100	QPSK	1	137	17.53				
100	QPSK	1	271	17.50				
100	QPSK	135	0	17.38			18.5	0.0
100	QPSK	135	69	17.49			18.5	0.0
100	QPSK	135	138	17.38			18.5	0.0
100	QPSK	270	0	17.41			18.5	0.0
100	16QAM	1	1	17.29			18.5	0.0
100	64QAM	1	1	17.31			18.5	0.0
100	256QAM	1	1	17.29			18.5	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	17.30	17.23	17.30	18.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	17.20	17.28	17.12	18.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	17.20	17.22	17.28	18.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	17.20	17.36	17.13	18.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	17.35	17.35	17.22	18.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	17.23	17.20	17.15	18.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	17.33	17.28	17.15	18.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	17.37	17.38	17.20	18.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	17.29	17.32	17.16	18.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	17.29	17.26	17.32	18.5	0.0



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	14.45			15.5	0.0
100	PI/2 BPSK	1	137	14.23				
100	PI/2 BPSK	1	271	14.38				
100	PI/2 BPSK	135	0	14.41			15.5	0.0
100	PI/2 BPSK	135	69	14.33			15.5	0.0
100	PI/2 BPSK	135	138	14.40			15.5	0.0
100	PI/2 BPSK	270	0	14.42			15.5	0.0
100	QPSK	1	1	14.58			15.5	0.0
100	QPSK	1	137	14.53				
100	QPSK	1	271	14.29				
100	QPSK	135	0	14.32			15.5	0.0
100	QPSK	135	69	14.52			15.5	0.0
100	QPSK	135	138	14.45			15.5	0.0
100	QPSK	270	0	14.47			15.5	0.0
100	16QAM	1	1	14.51			15.5	0.0
100	64QAM	1	1	14.36			15.5	0.0
100	256QAM	1	1	14.31			15.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	3505.02	
90	QPSK	1	1	14.23	14.08	14.23	15.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	14.19	14.09	14.21	15.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	14.18	14.09	14.20	15.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	14.25	14.04	14.19	15.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	14.09	14.21	14.22	15.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	14.10	14.18	14.13	15.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	14.06	14.16	14.07	15.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	14.19	14.21	14.14	15.5	0.0
Channel				630300	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	14.20	14.17	14.21	15.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	14.17	14.07	14.19	15.5	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	17.11			18.5	0.0
100	PI/2 BPSK	1	137	17.29				
100	PI/2 BPSK	1	271	17.19				
100	PI/2 BPSK	135	0	17.19			18.5	0.0
100	PI/2 BPSK	135	69	17.19			18.5	0.0
100	PI/2 BPSK	135	138	17.18			18.5	0.0
100	PI/2 BPSK	270	0	17.23			18.5	0.0
100	QPSK	1	1	17.41			18.5	0.0
100	QPSK	1	137	17.19				
100	QPSK	1	271	17.13				
100	QPSK	135	0	17.14			18.5	0.0
100	QPSK	135	69	17.29			18.5	0.0
100	QPSK	135	138	17.27			18.5	0.0
100	QPSK	270	0	17.31			18.5	0.0
100	16QAM	1	1	17.34			18.5	0.0
100	64QAM	1	1	17.27			18.5	0.0
100	256QAM	1	1	17.14			18.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	3505.02	
90	QPSK	1	1	17.00	17.08	17.19	18.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	17.10	17.04	17.16	18.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	17.09	17.01	17.22	18.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	17.01	16.99	17.11	18.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	17.02	17.08	17.13	18.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	17.09	16.98	17.21	18.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	17.01	16.96	17.17	18.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	17.04	16.98	17.12	18.5	0.0
Channel				630300	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	16.98	16.95	17.18	18.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	16.99	17.08	17.11	18.5	0.0



### Reduced Power Mode for DSI3

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	25.07	25.12	25.05	25.7	0.0
20	PI/2 BPSK	1	53	24.96	25.09	25.02		
20	PI/2 BPSK	1	104	24.92	25.04	24.93		
20	PI/2 BPSK	50	0	24.61	24.69	24.59		
20	PI/2 BPSK	50	28	25.01	25.15	25.04	25.2	0.5
20	PI/2 BPSK	50	56	24.51	24.65	24.60	25.7	0.0
20	PI/2 BPSK	100	0	24.57	24.67	24.61	25.2	0.5
20	QPSK	1	1	25.10	25.18	25.06	25.7	0.0
20	QPSK	1	53	24.98	25.11	25.03		
20	QPSK	1	104	24.72	24.81	24.70		
20	QPSK	50	0	24.09	24.21	24.09		
20	QPSK	50	28	25.12	25.16	25.11	24.7	1.0
20	QPSK	50	56	24.15	24.19	24.06	24.7	0.0
20	QPSK	100	0	24.08	24.15	24.09	24.7	1.0
20	16QAM	1	1	23.87	23.94	23.88	24.7	1.0
20	64QAM	1	1	22.37	22.45	22.39	23.2	2.5
20	256QAM	1	1	20.73	20.78	20.71	21.2	4.5
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	25.01	25.05	24.96	25.7	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	25.06	25.03	24.96	25.7	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	25.00	25.13	24.92	25.7	0.0

n7 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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.32	21.43	21.34	23.0	0.0
40	PI/2 BPSK	1	108	21.33	21.41	21.36		
40	PI/2 BPSK	1	214	21.11	21.26	21.13		
40	PI/2 BPSK	108	0	20.64	20.90	20.76		
40	PI/2 BPSK	108	54	21.27	21.33	21.27	22.5	0.5
40	PI/2 BPSK	108	108	20.72	20.82	20.72	23.0	0.0
40	PI/2 BPSK	216	0	20.73	20.86	20.76	22.5	0.5
40	QPSK	1	1	21.39	21.45	21.37	23.0	0.0
40	QPSK	1	108	21.30	21.34	21.24		
40	QPSK	1	214	21.19	21.24	21.17		
40	QPSK	108	0	20.35	20.42	20.28		
40	QPSK	108	54	21.27	21.40	21.27	22.0	1.0
40	QPSK	108	108	20.31	20.37	20.26	23.0	0.0
40	QPSK	216	0	20.34	20.41	20.36	22.0	1.0
40	16QAM	1	1	20.43	20.54	20.46	22.0	1.0
40	64QAM	1	1	18.67	18.78	18.66	20.5	2.5
40	256QAM	1	1	17.11	17.15	17.07	18.5	4.5
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.29	21.32	21.27	23.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.27	21.37	21.30	23.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	21.34	21.37	21.28	23.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.35	21.36	21.29	23.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.29	21.41	21.28	23.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.27	21.40	21.29	23.0	0.0



n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.79	21.87	21.75	23.3	0.0
40	PI/2 BPSK	1	53	21.77	21.91	21.86		
40	PI/2 BPSK	1	104	21.87	21.90	21.79	22.8	0.5
40	PI/2 BPSK	50	0	21.43	21.52	21.45		
40	PI/2 BPSK	50	28	21.79	21.86	21.74		
40	PI/2 BPSK	50	56	21.37	21.51	21.48	22.8	0.5
40	PI/2 BPSK	100	0	21.39	21.49	21.42		
40	QPSK	1	1	21.87	21.96	21.82	23.3	0.0
40	QPSK	1	53	21.87	21.93	21.81		
40	QPSK	1	104	21.87	21.90	21.86	22.3	1.0
40	QPSK	50	0	20.91	21.02	20.95		
40	QPSK	50	28	21.89	21.92	21.84		
40	QPSK	50	56	20.91	21.04	21.00	22.3	1.0
40	QPSK	100	0	20.86	20.97	20.84		
40	16QAM	1	1	20.85	20.93	20.84	22.3	1.0
40	64QAM	1	1	19.22	19.33	19.23	20.8	2.5
40	256QAM	1	1	17.48	17.62	17.55	18.8	4.5
Channel				517002	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99	23.3	0.0
30	QPSK	1	1	21.84	21.87	21.74	23.3	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	23.3	0.0
20	QPSK	1	1	21.79	21.92	21.73	23.3	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49	23.3	0.0
15	QPSK	1	1	21.76	21.85	21.75	23.3	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98	23.3	0.0
10	QPSK	1	1	21.76	21.89	21.67	23.3	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.90	21.96	21.88	23.3	0.0
100	PI/2 BPSK	1	137	21.73	21.87	21.84		
100	PI/2 BPSK	1	271	21.71	21.78	21.68	22.8	0.5
100	PI/2 BPSK	135	0	21.26	21.39	21.34		
100	PI/2 BPSK	135	69	21.76	21.87	21.76		
100	PI/2 BPSK	135	138	21.27	21.30	21.20	22.8	0.5
100	PI/2 BPSK	270	0	21.29	21.40	21.35		
100	QPSK	1	1	21.86	21.98	21.91	23.3	0.0
100	QPSK	1	137	21.86	21.94	21.87		
100	QPSK	1	271	21.53	21.66	21.62	22.3	1.0
100	QPSK	135	0	20.81	20.92	20.81		
100	QPSK	135	69	21.70	21.84	21.77		
100	QPSK	135	138	20.73	20.81	20.67	22.3	1.0
100	QPSK	270	0	20.79	20.83	20.74		
100	16QAM	1	1	20.91	20.99	20.90	22.3	1.0
100	64QAM	1	1	19.55	19.61	19.57	20.8	2.5
100	256QAM	1	1	17.63	17.68	17.57	18.8	4.5
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	23.3	0.0
90	QPSK	1	1	21.78	21.91	21.77	23.3	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	23.3	0.0
80	QPSK	1	1	21.81	21.83	21.87	23.3	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	23.3	0.0
70	QPSK	1	1	21.76	21.93	21.79	23.3	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98	23.3	0.0
60	QPSK	1	1	21.81	21.91	21.79	23.3	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	23.3	0.0
50	QPSK	1	1	21.79	21.93	21.78	23.3	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	23.3	0.0
40	QPSK	1	1	21.78	21.94	21.81	23.3	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	23.3	0.0
30	QPSK	1	1	21.72	21.86	21.77	23.3	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	23.3	0.0
20	QPSK	1	1	21.76	21.93	21.85	23.3	0.0
Channel				500202	518598	536996		
Frequency (MHz)				2501.01	2592.99	2674.98	23.3	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	24.73	24.78	24.68			
20	PI/2 BPSK	1	53	24.67	24.73	24.69	25.5	0.0	
20	PI/2 BPSK	1	104	24.57	24.68	24.61			
20	PI/2 BPSK	50	0	24.23	24.38	24.32	25.0	0.5	
20	PI/2 BPSK	50	28	24.67	24.80	24.75	25.5	0.0	
20	PI/2 BPSK	50	56	24.25	24.33	24.23			
20	PI/2 BPSK	100	0	24.21	24.34	24.28	25.0	0.5	
20	QPSK	1	1	24.70	24.81	24.75			
20	QPSK	1	53	24.72	24.79	24.73	25.5	0.0	
20	QPSK	1	104	24.56	24.60	24.56			
20	QPSK	50	0	23.82	23.87	23.73	24.5	1.0	
20	QPSK	50	28	24.73	24.81	24.67	25.5	0.0	
20	QPSK	50	56	23.72	23.80	23.69	24.5	1.0	
20	QPSK	100	0	23.69	23.77	23.65			
20	16QAM	1	1	23.58	23.73	23.60	24.5	1.0	
20	64QAM	1	1	21.98	22.07	22.01	23.0	2.5	
20	256QAM	1	1	20.29	20.37	20.23	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	24.63	24.77	24.61	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.58	24.72	24.67	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	24.62	24.71	24.71	25.5	0.0	

n7 Ant1 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	19.13	19.25	19.15			
40	PI/2 BPSK	1	108	19.08	19.15	19.00	19.5	0.0	
40	PI/2 BPSK	1	214	19.07	19.18	18.99			
40	PI/2 BPSK	108	0	19.16	19.20	19.17	19.5	0.0	
40	PI/2 BPSK	108	54	19.15	19.13	19.08	19.5	0.0	
40	PI/2 BPSK	108	108	19.01	19.08	18.88			
40	PI/2 BPSK	216	0	19.08	19.17	19.09	19.5	0.0	
40	QPSK	1	1	19.28	19.30	19.26			
40	QPSK	1	108	19.01	19.22	19.19	19.5	0.0	
40	QPSK	1	214	19.14	19.15	18.95			
40	QPSK	108	0	18.95	19.16	19.11	19.5	0.0	
40	QPSK	108	54	19.16	19.26	19.23	19.5	0.0	
40	QPSK	108	108	19.03	19.12	19.01			
40	QPSK	216	0	19.20	19.24	19.11	19.5	0.0	
40	16QAM	1	1	19.06	19.13	19.06	19.5	0.0	
40	64QAM	1	1	19.01	19.13	19.04	19.5	0.0	
40	256QAM	1	1	19.04	19.15	19.08	19.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.98	19.28	19.10	19.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.97	19.18	19.11	19.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.02	19.29	19.16	19.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.98	19.12	19.16	19.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.10	19.20	19.19	19.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.07	19.14	19.10	19.5	0.0	

n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.56	18.61	18.42	19.7	0.0
40	PI/2 BPSK	1	53	18.53	18.57	18.54		
40	PI/2 BPSK	1	104	18.56	18.60	18.47		
40	PI/2 BPSK	50	0	18.54	18.60	18.52		
40	PI/2 BPSK	50	28	18.49	18.50	18.38	19.7	0.0
40	PI/2 BPSK	50	56	18.35	18.52	18.47	19.7	0.0
40	PI/2 BPSK	100	0	18.53	18.60	18.47		
40	QPSK	1	1	18.53	18.68	18.65	19.7	0.0
40	QPSK	1	53	18.44	18.58	18.37		
40	QPSK	1	104	18.51	18.59	18.48		
40	QPSK	50	0	18.46	18.61	18.51		
40	QPSK	50	28	18.46	18.62	18.58	19.7	0.0
40	QPSK	50	56	18.50	18.59	18.43	19.7	0.0
40	QPSK	100	0	18.52	18.58	18.51		
40	16QAM	1	1	18.56	18.54	18.56	19.7	0.0
40	64QAM	1	1	18.42	18.30	18.31	19.7	0.0
40	256QAM	1	1	18.41	18.51	18.39	19.7	0.0
Channel				517002	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.40	18.48	18.62	19.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.42	18.47	18.65	19.7	0.0
Channel				515502	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.41	18.50	18.45	19.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.39	18.63	18.67	19.7	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.56	18.55	18.49	19.7	0.0
100	PI/2 BPSK	1	137	18.48	18.48	18.45		
100	PI/2 BPSK	1	271	18.59	18.47	18.41		
100	PI/2 BPSK	135	0	18.46	18.45	18.45		
100	PI/2 BPSK	135	69	18.34	18.50	18.30	19.7	0.0
100	PI/2 BPSK	135	138	18.35	18.44	18.29	19.7	0.0
100	PI/2 BPSK	270	0	18.30	18.47	18.26		
100	QPSK	1	1	18.62	18.70	18.60	19.7	0.0
100	QPSK	1	137	18.43	18.48	18.45		
100	QPSK	1	271	18.27	18.42	18.26		
100	QPSK	135	0	18.43	18.52	18.33		
100	QPSK	135	69	18.47	18.66	18.51	19.7	0.0
100	QPSK	135	138	18.33	18.60	18.52	19.7	0.0
100	QPSK	270	0	18.42	18.54	18.32		
100	16QAM	1	1	18.29	18.49	18.51	19.7	0.0
100	64QAM	1	1	18.26	18.28	18.37	19.7	0.0
100	256QAM	1	1	18.38	18.28	18.50	19.7	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.43	18.52	18.49	19.7	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.51	18.57	18.49	19.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.53	18.50	18.46	19.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.56	18.60	18.45	19.7	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.43	18.59	18.62	19.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.53	18.55	18.56	19.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.50	18.49	18.40	19.7	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.50	18.49	18.49	19.7	0.0



n7 Ant2 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	20.60	20.81	20.64	21.2	0.0
40	PI/2 BPSK	1	108	20.74	20.85	20.70		
40	PI/2 BPSK	1	214	20.82	20.82	20.61		
40	PI/2 BPSK	108	0	20.85	20.87	20.74	21.2	0.0
40	PI/2 BPSK	108	54	20.71	20.79	20.71	21.2	0.0
40	PI/2 BPSK	108	108	20.70	20.78	20.72	21.2	0.0
40	PI/2 BPSK	216	0	20.87	20.87	20.81		
40	QPSK	1	1	20.73	20.93	20.71		
40	QPSK	1	108	20.66	20.80	20.66	21.2	0.0
40	QPSK	1	214	20.84	20.82	20.69		
40	QPSK	108	0	20.76	20.86	20.81		
40	QPSK	108	54	20.67	20.83	20.68	21.2	0.0
40	QPSK	108	108	20.70	20.84	20.67	21.2	0.0
40	QPSK	216	0	20.80	20.85	20.67		
40	16QAM	1	1	20.61	20.77	20.78		
40	64QAM	1	1	20.63	20.75	20.76	21.2	0.0
40	256QAM	1	1	19.60	19.74	19.71	20.2	1.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.59	20.87	20.70	21.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.65	20.84	20.62	21.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.67	20.81	20.51	21.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.56	20.81	20.63	21.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.61	20.73	20.54	21.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.59	20.79	20.60	21.2	0.0



n38 Ant2 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	21.2	0.0	
Frequency (MHz)				2580.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.86	20.90	20.87			
40	PI/2 BPSK	1	53	20.80	20.82	20.84			
40	PI/2 BPSK	1	104	20.77	20.83	20.71			
40	PI/2 BPSK	50	0	20.63	20.81	20.69			
40	PI/2 BPSK	50	28	20.72	20.78	20.80			
40	PI/2 BPSK	50	56	20.67	20.80	20.81			
40	PI/2 BPSK	100	0	20.83	20.82	20.67			
40	QPSK	1	1	20.90	20.94	20.92			
40	QPSK	1	53	20.54	20.70	20.71			
40	QPSK	1	104	20.56	20.71	20.62			
40	QPSK	50	0	20.69	20.82	20.75			
40	QPSK	50	28	20.78	20.86	20.77			
40	QPSK	50	56	20.71	20.80	20.80			
40	QPSK	100	0	20.70	20.78	20.63			
40	16QAM	1	1	20.57	20.63	20.42			
40	64QAM	1	1	20.93	20.62	20.80			
40	256QAM	1	1	20.69	20.84	20.76			
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	21.2	0.0	
30	QPSK	1	1	20.69	20.74	20.71	21.2	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	21.2	0.0	
20	QPSK	1	1	20.71	20.92	20.87	21.2	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	21.2	0.0	
15	QPSK	1	1	20.82	20.75	20.91	21.2	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	21.2	0.0	
10	QPSK	1	1	20.77	20.89	20.87	21.2	0.0	

n41 Ant2 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	21.7	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.80	20.95	20.86			
100	PI/2 BPSK	1	137	20.73	20.82	20.74			
100	PI/2 BPSK	1	271	20.71	20.87	20.72			
100	PI/2 BPSK	135	0	21.03	21.06	20.96			
100	PI/2 BPSK	135	69	20.94	21.09	21.10			
100	PI/2 BPSK	135	138	20.88	21.08	21.09			
100	PI/2 BPSK	270	0	21.03	21.07	20.88			
100	QPSK	1	1	21.13	21.28	21.24			
100	QPSK	1	137	21.07	21.21	21.16			
100	QPSK	1	271	20.97	21.15	20.93			
100	QPSK	135	0	21.07	21.12	21.06			
100	QPSK	135	69	21.13	21.24	20.98			
100	QPSK	135	138	21.09	21.09	20.94			
100	QPSK	270	0	20.92	21.12	21.02			
100	16QAM	1	1	20.91	21.10	21.07			
100	64QAM	1	1	21.17	21.26	21.25			
100	256QAM	1	1	20.63	20.74	20.58			
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	21.7	0.0	
90	QPSK	1	1	20.94	21.25	21.15	21.7	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	21.7	0.0	
80	QPSK	1	1	21.07	21.08	21.04	21.7	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	21.7	0.0	
70	QPSK	1	1	21.00	21.20	21.26	21.7	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	21.7	0.0	
60	QPSK	1	1	20.95	21.08	21.17	21.7	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	21.7	0.0	
50	QPSK	1	1	21.03	21.17	21.25	21.7	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	21.7	0.0	
40	QPSK	1	1	20.92	21.09	21.03	21.7	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	21.7	0.0	
30	QPSK	1	1	21.09	21.09	21.12	21.7	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	21.7	0.0	
20	QPSK	1	1	21.04	21.23	21.15	21.7	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	20.49	20.57	20.52	22.0	0.0
40	PI/2 BPSK	1	108	20.46	20.44	20.42		
40	PI/2 BPSK	1	214	20.32	20.42	20.38		
40	PI/2 BPSK	108	0	20.39	20.52	20.49	22.0	0.0
40	PI/2 BPSK	108	54	20.57	20.60	20.57	22.0	0.0
40	PI/2 BPSK	108	108	20.52	20.55	20.54	22.0	0.0
40	PI/2 BPSK	216	0	20.34	20.36	20.32		
40	QPSK	1	1	20.60	20.64	20.56		
40	QPSK	1	108	20.38	20.55	20.49	22.0	0.0
40	QPSK	1	214	20.32	20.45	20.35		
40	QPSK	108	0	20.53	20.60	20.49		
40	QPSK	108	54	20.39	20.55	20.49	22.0	0.0
40	QPSK	108	108	20.34	20.35	20.33	22.0	0.0
40	QPSK	216	0	20.51	20.52	20.50		
40	16QAM	1	1	20.32	20.50	20.49		
40	64QAM	1	1	19.51	19.56	19.42	21.0	1.0
40	256QAM	1	1	17.46	17.64	17.54	19.0	3.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.51	20.62	20.51	22.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.52	20.56	20.39	22.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.57	20.50	20.44	22.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.39	20.60	20.46	22.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.47	20.61	20.41	22.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.36	20.59	20.45	22.0	0.0



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	20.25	20.43	20.23	21.8	0.0	
40	PI/2 BPSK	1	53	20.30	20.41	20.29			
40	PI/2 BPSK	1	104	20.14	20.35	20.27			
40	PI/2 BPSK	50	0	20.28	20.37	20.34	21.8	0.0	
40	PI/2 BPSK	50	28	20.22	20.29	20.27	21.8	0.0	
40	PI/2 BPSK	50	56	20.29	20.28	20.08	21.8	0.0	
40	PI/2 BPSK	100	0	20.22	20.30	20.20			
40	QPSK	1	1	20.36	20.45	20.30	21.8	0.0	
40	QPSK	1	53	20.22	20.33	20.27			
40	QPSK	1	104	20.19	20.29	20.11			
40	QPSK	50	0	20.25	20.35	20.24	21.8	0.0	
40	QPSK	50	28	20.41	20.44	20.26	21.8	0.0	
40	QPSK	50	56	20.17	20.29	20.20	21.8	0.0	
40	QPSK	100	0	20.23	20.34	20.16			
40	16QAM	1	1	20.25	20.35	20.35	21.8	0.0	
40	64QAM	1	1	20.21	20.33	20.16	21.8	0.0	
40	256QAM	1	1	18.35	18.37	18.19	19.8	2.0	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	20.14	20.31	20.09	21.8	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	20.16	20.33	20.14	21.8	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	20.34	20.30	20.21	21.8	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	20.19	20.30	20.28	21.8	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	20.35	20.40	20.41	22.0	0.0	
100	PI/2 BPSK	1	137	20.33	20.36	20.26			
100	PI/2 BPSK	1	271	20.36	20.43	20.26			
100	PI/2 BPSK	135	0	20.42	20.46	20.35	22.0	0.0	
100	PI/2 BPSK	135	69	20.32	20.39	20.24	22.0	0.0	
100	PI/2 BPSK	135	138	20.27	20.33	20.23	22.0	0.0	
100	PI/2 BPSK	270	0	20.35	20.39	20.41			
100	QPSK	1	1	20.38	20.50	20.46	22.0	0.0	
100	QPSK	1	137	20.24	20.41	20.38			
100	QPSK	1	271	20.41	20.39	20.18			
100	QPSK	135	0	20.39	20.39	20.28	22.0	0.0	
100	QPSK	135	69	20.28	20.46	20.42	22.0	0.0	
100	QPSK	135	138	20.31	20.32	20.32	22.0	0.0	
100	QPSK	270	0	20.28	20.36	20.16			
100	16QAM	1	1	20.36	20.48	20.34	22.0	0.0	
100	64QAM	1	1	20.16	20.33	20.26	22.0	0.0	
100	256QAM	1	1	18.52	18.63	18.48	20.0	2.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	20.34	20.48	20.28	22.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	20.22	20.38	20.30	22.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	20.19	20.45	20.39	22.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	20.36	20.45	20.29	22.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	20.34	20.41	20.31	22.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	20.30	20.37	20.35	22.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	20.39	20.41	20.42	22.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	20.39	20.28	20.33	22.0	0.0	



PC3 Part270 n77 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pl/2 BPSK	1	1	17.83	17.86	17.86			
100	Pl/2 BPSK	1	137	17.58	17.54	17.65	19.0	0.0	
100	Pl/2 BPSK	1	271	17.50	17.48	17.42			
100	Pl/2 BPSK	135	0	17.44	17.64	17.59	19.0	0.0	
100	Pl/2 BPSK	135	69	17.71	17.68	17.63	19.0	0.0	
100	Pl/2 BPSK	135	138	17.53	17.50	17.61	19.0	0.0	
100	Pl/2 BPSK	270	0	17.55	17.46	17.74			
100	QPSK	1	1	17.77	17.95	17.79			
100	QPSK	1	137	17.56	17.57	17.45	19.0	0.0	
100	QPSK	1	271	17.62	17.50	17.51			
100	QPSK	135	0	17.50	17.68	17.53	19.0	0.0	
100	QPSK	135	69	17.86	17.90	17.80	19.0	0.0	
100	QPSK	135	138	17.47	17.52	17.65	19.0	0.0	
100	QPSK	270	0	17.75	17.83	17.71			
100	16QAM	1	1	17.81	17.81	17.81	19.0	0.0	
100	64QAM	1	1	17.46	17.60	17.55	19.0	0.0	
100	256QAM	1	1	17.53	17.62	17.61	19.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	19.0	0.0	
90	QPSK	1	1	17.72	17.94	17.72	19.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	19.0	0.0	
80	QPSK	1	1	17.58	17.90	17.66	19.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	19.0	0.0	
70	QPSK	1	1	17.58	17.93	17.69	19.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	19.0	0.0	
60	QPSK	1	1	17.61	17.84	17.80	19.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	19.0	0.0	
50	QPSK	1	1	17.64	17.74	17.79	19.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	19.0	0.0	
40	QPSK	1	1	17.61	17.81	17.88	19.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	19.0	0.0	
30	QPSK	1	1	17.77	17.88	17.66	19.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	19.0	0.0	
20	QPSK	1	1	17.75	17.85	17.61	19.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	19.0	0.0	
15	QPSK	1	1	17.73	17.81	17.73	19.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	19.0	0.0	
10	QPSK	1	1	17.57	17.63	17.80	19.0	0.0	

PC2 Part270 n77 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pl/2 BPSK	1	1	20.50	20.78	20.69			
100	Pl/2 BPSK	1	137	20.76	20.68	20.59	22.0	0.0	
100	Pl/2 BPSK	1	271	20.58	20.68	20.67			
100	Pl/2 BPSK	135	0	20.79	20.87	20.71	22.0	0.0	
100	Pl/2 BPSK	135	69	20.52	20.54	20.59	22.0	0.0	
100	Pl/2 BPSK	135	138	20.69	20.71	20.53	22.0	0.0	
100	Pl/2 BPSK	270	0	20.69	20.83	20.85			
100	QPSK	1	1	20.88	20.92	20.85			
100	QPSK	1	137	20.83	20.82	20.58	22.0	0.0	
100	QPSK	1	271	20.69	20.67	20.46			
100	QPSK	135	0	20.68	20.76	20.83	22.0	0.0	
100	QPSK	135	69	20.65	20.89	20.64	22.0	0.0	
100	QPSK	135	138	20.54	20.65	20.44	22.0	0.0	
100	QPSK	270	0	20.70	20.85	20.77			
100	16QAM	1	1	20.60	20.60	20.67	22.0	0.0	
100	64QAM	1	1	20.79	20.72	20.69	22.0	0.0	
100	256QAM	1	1	20.81	20.82	20.73	22.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	19.0	0.0	
90	QPSK	1	1	20.72	20.89	20.73	22.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	19.0	0.0	
80	QPSK	1	1	20.88	20.81	20.67	22.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	19.0	0.0	
70	QPSK	1	1	20.88	20.79	20.81	22.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	19.0	0.0	
60	QPSK	1	1	20.74	20.76	20.70	22.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	19.0	0.0	
50	QPSK	1	1	20.77	20.81	20.69	22.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	19.0	0.0	
40	QPSK	1	1	20.82	20.83	20.84	22.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	19.0	0.0	
30	QPSK	1	1	20.72	20.75	20.84	22.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	19.0	0.0	
20	QPSK	1	1	20.72	20.84	20.68	22.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	19.0	0.0	
15	QPSK	1	1	20.77	20.82	20.68	22.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	19.0	0.0	
10	QPSK	1	1	20.84	20.86	20.64	22.0	0.0	



### PC3 Part27Q n77 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	17.71	17.71	17.71	19.0	0.0
100	PI/2 BPSK	1	137	17.63	17.63	17.63		
100	PI/2 BPSK	1	271	17.41	17.41	17.41		
100	PI/2 BPSK	135	0	17.56	17.56	17.56		
100	PI/2 BPSK	135	69	17.61	17.61	17.61		
100	PI/2 BPSK	135	138	17.43	17.43	17.43		
100	PI/2 BPSK	270	0	17.63	17.63	17.63		
100	QPSK	1	1	17.87	17.87	17.87		
100	QPSK	1	137	17.55	17.55	17.55		
100	QPSK	1	271	17.72	17.72	17.72		
100	QPSK	135	0	17.57	17.57	17.57		
100	QPSK	135	69	17.86	17.86	17.86		
100	QPSK	135	138	17.65	17.65	17.65		
100	QPSK	270	0	17.75	17.75	17.75		
100	16QAM	1	1	17.62	17.62	17.62		
100	64QAM	1	1	17.78	17.78	17.78		
100	256QAM	1	1	17.52	17.52	17.52		
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.73	17.79	17.48	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.61	17.85	17.62	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.72	17.80	17.62	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.77	17.83	17.47	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.66	17.71	17.52	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.77	17.71	17.61	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.67	17.73	17.55	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.69	17.72	17.47	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.63	17.69	17.51	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.73	17.60	17.67	19.0	0.0

### PC2 Part27Q n77 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	20.63	20.63	20.63	22.0	0.0
100	PI/2 BPSK	1	137	20.71	20.71	20.71		
100	PI/2 BPSK	1	271	20.57	20.57	20.57		
100	PI/2 BPSK	135	0	20.68	20.68	20.68		
100	PI/2 BPSK	135	69	20.68	20.68	20.68		
100	PI/2 BPSK	135	138	20.64	20.64	20.64		
100	PI/2 BPSK	270	0	20.66	20.66	20.66		
100	QPSK	1	1	20.86	20.86	20.86		
100	QPSK	1	137	20.62	20.62	20.62		
100	QPSK	1	271	20.63	20.63	20.63		
100	QPSK	135	0	20.54	20.54	20.54		
100	QPSK	135	69	20.79	20.79	20.79		
100	QPSK	135	138	20.55	20.55	20.55		
100	QPSK	270	0	20.76	20.76	20.76		
100	16QAM	1	1	20.51	20.51	20.51		
100	64QAM	1	1	20.73	20.73	20.73		
100	256QAM	1	1	20.44	20.44	20.44		
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.70	20.78	20.69	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.77	20.80	20.65	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.78	20.71	20.62	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.83	20.85	20.64	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.83	20.67	20.66	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.61	20.83	20.77	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.78	20.72	20.62	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.67	20.76	20.57	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.69	20.79	20.66	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.74	20.64	20.75	22.0	0.0



PC3 Part270 n78 Ant6 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	18.19					
100	PI/2 BPSK	1	137	18.15			19.5	0.0	
100	PI/2 BPSK	1	271	18.07					
100	PI/2 BPSK	135	0	18.08			19.5	0.0	
100	PI/2 BPSK	135	69	18.09			19.5	0.0	
100	PI/2 BPSK	135	138	18.03					
100	PI/2 BPSK	270	0	18.08			19.5	0.0	
100	QPSK	1	1	18.35					
100	QPSK	1	137	18.15			19.5	0.0	
100	QPSK	1	271	18.14					
100	QPSK	135	0	18.12			19.5	0.0	
100	QPSK	135	69	18.27			19.5	0.0	
100	QPSK	135	138	18.15					
100	QPSK	270	0	18.25			19.5	0.0	
100	16QAM	1	1	18.00			19.5	0.0	
100	64QAM	1	1	17.90			19.5	0.0	
100	256QAM	1	1	18.08			19.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	18.12	18.15	18.15	19.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	18.08	18.19	18.14	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.27	18.22	18.02	19.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	18.09	18.29	18.14	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	18.21	18.15	18.16	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.07	18.28	18.10	19.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	18.19	18.22	18.11	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	18.19	18.28	18.02	19.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	18.18	18.20	17.97	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.09	18.16	17.99	19.5	0.0	

PC2 Part270 n78 Ant6 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	21.35					
100	PI/2 BPSK	1	137	21.34			22.5	0.0	
100	PI/2 BPSK	1	271	21.30					
100	PI/2 BPSK	135	0	21.33			22.5	0.0	
100	PI/2 BPSK	135	69	21.36			22.5	0.0	
100	PI/2 BPSK	135	138	21.32					
100	PI/2 BPSK	270	0	21.35			22.5	0.0	
100	QPSK	1	1	21.37					
100	QPSK	1	137	21.35			22.5	0.0	
100	QPSK	1	271	21.30					
100	QPSK	135	0	21.31			22.5	0.0	
100	QPSK	135	69	21.34			22.5	0.0	
100	QPSK	135	138	21.32					
100	QPSK	270	0	21.31			22.5	0.0	
100	16QAM	1	1	21.13			22.5	0.0	
100	64QAM	1	1	21.21			22.5	0.0	
100	256QAM	1	1	21.13			22.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.17	21.28	21.26	22.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.21	21.35	21.23	22.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.29	21.20	21.29	22.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	21.23	21.30	21.23	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.18	21.16	21.32	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.27	21.24	21.17	22.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	21.15	21.20	21.33	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	21.11	21.21	21.27	22.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	21.23	21.33	21.20	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	21.23	21.32	21.21	22.5	0.0	



PC3 Part27Q n78 Ant6 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.14				
100	PI/2 BPSK	1	137		18.00		19.5	0.0	
100	PI/2 BPSK	1	271		18.05				
100	PI/2 BPSK	135	0		18.01		19.5	0.0	
100	PI/2 BPSK	135	69		18.05		19.5	0.0	
100	PI/2 BPSK	135	138		17.89				
100	PI/2 BPSK	270	0		17.99		19.5	0.0	
100	QPSK	1	1		18.24				
100	QPSK	1	137		18.12		19.5	0.0	
100	QPSK	1	271		18.10				
100	QPSK	135	0		17.97		19.5	0.0	
100	QPSK	135	69		18.21		19.5	0.0	
100	QPSK	135	138		17.98				
100	QPSK	270	0		18.17		19.5	0.0	
100	16QAM	1	1		17.89		19.5	0.0	
100	64QAM	1	1		17.71		19.5	0.0	
100	256QAM	1	1		17.97		19.5	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	18.19	18.05	19.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		18.01	18.17	18.18	19.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		18.05	18.10	18.03	19.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		18.14	18.05	18.13	19.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		18.01	18.14	18.10	19.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		18.04	18.23	18.13	19.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		18.14	18.16	18.06	19.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		18.06	18.15	18.19	19.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		18.10	18.14	18.13	19.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		18.17	18.20	18.06	19.5	0.0

PC2 Part27Q n78 Ant6 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		21.15				
100	PI/2 BPSK	1	137		21.00		22.5	0.0	
100	PI/2 BPSK	1	271		20.97				
100	PI/2 BPSK	135	0		20.93		22.5	0.0	
100	PI/2 BPSK	135	69		20.95		22.5	0.0	
100	PI/2 BPSK	135	138		20.93				
100	PI/2 BPSK	270	0		21.05		22.5	0.0	
100	QPSK	1	1		21.26				
100	QPSK	1	137		21.21		22.5	0.0	
100	QPSK	1	271		20.11				
100	QPSK	135	0		20.99		22.5	0.0	
100	QPSK	135	69		21.23		22.5	0.0	
100	QPSK	135	138		20.89				
100	QPSK	270	0		21.21		22.5	0.0	
100	16QAM	1	1		20.86		22.5	0.0	
100	64QAM	1	1		20.70		22.5	0.0	
100	256QAM	1	1		21.04		22.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		21.10	21.12	21.11	22.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		21.13	21.25	21.22	22.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		21.11	21.08	21.13	22.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		21.20	21.08	21.17	22.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		21.02	21.16	21.12	22.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		21.12	21.23	21.09	22.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		21.15	21.20	21.19	22.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		21.09	21.20	21.10	22.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		21.05	21.12	21.05	22.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		21.15	21.15	21.10	22.5	0.0



PC3 Part270 n77 Ant7 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.19	18.31	18.26			
100	PI/2 BPSK	1	137	18.27	18.25	18.15	20.1	0.0	
100	PI/2 BPSK	1	271	18.44	18.55	18.38			
100	PI/2 BPSK	135	0	18.42	18.45	18.39	20.1	0.0	
100	PI/2 BPSK	135	69	18.23	18.33	18.39	20.1	0.0	
100	PI/2 BPSK	135	138	18.30	18.48	18.46			
100	PI/2 BPSK	270	0	18.47	18.35	18.32	20.1	0.0	
100	QPSK	1	1	18.48	18.59	18.51			
100	QPSK	1	137	18.39	18.45	18.32	20.1	0.0	
100	QPSK	1	271	18.45	18.54	18.47			
100	QPSK	135	0	18.27	18.42	18.31	20.1	0.0	
100	QPSK	135	69	18.46	18.55	18.50	20.1	0.0	
100	QPSK	135	138	18.29	18.33	18.34	20.1	0.0	
100	QPSK	270	0	18.25	18.33	18.24			
100	16QAM	1	1	18.36	18.48	18.38	20.1	0.0	
100	64QAM	1	1	18.54	18.40	18.53	20.1	0.0	
100	256QAM	1	1	18.43	18.44	18.50	20.1	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.35	18.47	18.48	20.1	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.36	18.56	18.46	20.1	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.40	18.46	18.39	20.1	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.38	18.57	18.45	20.1	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.41	18.55	18.39	20.1	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.45	18.57	18.42	20.1	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.36	18.43	18.33	20.1	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.34	18.50	18.55	20.1	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.36	18.44	18.41	20.1	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.49	18.57	18.32	20.1	0.0	

PC2 Part270 n77 Ant7 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	21.14	21.31	21.17			
100	PI/2 BPSK	1	137	21.34	21.40	21.30	23.1	0.0	
100	PI/2 BPSK	1	271	21.50	21.32	21.30			
100	PI/2 BPSK	135	0	21.43	21.33	21.25	23.1	0.0	
100	PI/2 BPSK	135	69	21.24	21.34	21.38	23.1	0.0	
100	PI/2 BPSK	135	138	21.31	21.48	21.34			
100	PI/2 BPSK	270	0	21.46	21.30	21.31	23.1	0.0	
100	QPSK	1	1	21.48	21.61	21.45			
100	QPSK	1	137	21.45	21.52	21.52	23.1	0.0	
100	QPSK	1	271	21.39	21.52	21.47			
100	QPSK	135	0	21.32	21.36	21.33	23.1	0.0	
100	QPSK	135	69	21.42	21.53	21.30	23.1	0.0	
100	QPSK	135	138	21.46	21.11	21.39	23.1	0.0	
100	QPSK	270	0	21.32	21.44	21.33			
100	16QAM	1	1	21.28	21.50	21.39	23.1	0.0	
100	64QAM	1	1	21.34	21.33	21.27	23.1	0.0	
100	256QAM	1	1	21.30	21.51	21.41	22.6	0.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	21.43	21.37	21.47	23.1	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	21.24	21.38	21.31	23.1	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	21.32	21.38	21.42	23.1	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	21.38	21.36	21.39	23.1	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	21.42	21.45	21.37	23.1	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.22	21.38	21.49	23.1	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	21.23	21.23	21.42	23.1	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	21.32	21.39	21.31	23.1	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	21.44	21.33	21.35	23.1	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	21.40	21.42	21.30	23.1	0.0	





PC3 Part27Q n77 Ant7 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	18.38					
100	PI/2 BPSK	1	137	18.58			20.1	0.0	
100	PI/2 BPSK	1	271	18.52					
100	PI/2 BPSK	135	0	18.51			20.1	0.0	
100	PI/2 BPSK	135	69	18.40			20.1	0.0	
100	PI/2 BPSK	135	138	18.61					
100	PI/2 BPSK	270	0	18.34			20.1	0.0	
100	QPSK	1	1	18.64					
100	QPSK	1	137	18.38			20.1	0.0	
100	QPSK	1	271	18.54					
100	QPSK	135	0	18.43			20.1	0.0	
100	QPSK	135	69	18.50			20.1	0.0	
100	QPSK	135	138	18.45			20.1	0.0	
100	QPSK	270	0	18.44					
100	16QAM	1	1	18.45			20.1	0.0	
100	64QAM	1	1	18.44			20.1	0.0	
100	256QAM	1	1	18.29			20.1	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.34	18.50	18.44	20.1	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.53	18.36	18.42	20.1	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.36	18.47	18.57	20.1	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.50	18.47	18.39	20.1	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.50	18.36	18.37	20.1	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.38	18.36	18.61	20.1	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	18.46	18.39	18.59	20.1	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.35	18.41	18.59	20.1	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.45	18.34	18.40	20.1	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.46	18.50	18.42	20.1	0.0	

PC2 Part27Q n77 Ant7 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	21.37					
100	PI/2 BPSK	1	137	21.63			23.1	0.0	
100	PI/2 BPSK	1	271	21.73					
100	PI/2 BPSK	135	0	21.57			23.1	0.0	
100	PI/2 BPSK	135	69	21.43			23.1	0.0	
100	PI/2 BPSK	135	138	21.67					
100	PI/2 BPSK	270	0	21.46			23.1	0.0	
100	QPSK	1	1	21.77					
100	QPSK	1	137	21.54			23.1	0.0	
100	QPSK	1	271	21.73					
100	QPSK	135	0	21.57			23.1	0.0	
100	QPSK	135	69	21.58			23.1	0.0	
100	QPSK	135	138	21.45					
100	QPSK	270	0	21.47			23.1	0.0	
100	16QAM	1	1	21.55			23.1	0.0	
100	64QAM	1	1	21.52			23.1	0.0	
100	256QAM	1	1	20.76			22.6	0.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	21.45	21.41	21.38	23.1	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	21.51	21.49	21.52	23.1	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	21.42	21.52	21.44	23.1	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	21.37	21.60	21.46	23.1	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	21.36	21.46	21.54	23.1	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	21.50	21.45	21.43	23.1	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	21.42	21.62	21.54	23.1	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.59	21.54	21.42	23.1	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	21.46	21.57	21.45	23.1	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	21.41	21.60	21.36	23.1	0.0	



PC3 Part270 n78 Ant7 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI/2 BPSK	1	1		18.30					
100	PI/2 BPSK	1	137		18.28		20.1	0.0		
100	PI/2 BPSK	1	271		18.32					
100	PI/2 BPSK	135	0		18.28		20.1	0.0		
100	PI/2 BPSK	135	69		18.28		20.1	0.0		
100	PI/2 BPSK	135	138		18.40		20.1	0.0		
100	PI/2 BPSK	270	0		18.29					
100	QPSK	1	1		18.46					
100	QPSK	1	137		18.26		20.1	0.0		
100	QPSK	1	271		18.29					
100	QPSK	135	0		18.33		20.1	0.0		
100	QPSK	135	69		18.26		20.1	0.0		
100	QPSK	135	138		18.25		20.1	0.0		
100	QPSK	270	0		18.30					
100	16QAM	1	1		18.38		20.1	0.0		
100	64QAM	1	1		18.27		20.1	0.0		
100	256QAM	1	1		18.24		20.1	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	649668	650000	650334				
Channel										
Frequency (MHz)										
80	QPSK	1	1	3740.01	3750	3760.02				
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.18	18.21	18.21				
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.23	18.29	18.31				
Channel										
Frequency (MHz)										
50	QPSK	1	1	648334	650000	651668				
Channel										
Frequency (MHz)										
40	QPSK	1	1	648000	650000	652000				
Channel										
Frequency (MHz)										
30	QPSK	1	1	647668	650000	652334				
Channel										
Frequency (MHz)										
20	QPSK	1	1	647334	650000	652668				
Channel										
Frequency (MHz)										
15	QPSK	1	1	647000	650000	653000				
Channel										
Frequency (MHz)										
10	QPSK	1	1	3705	3750	3795				

PC2 Part270 n78 Ant7 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI/2 BPSK	1	1		21.42					
100	PI/2 BPSK	1	137		21.18		23.1	0.0		
100	PI/2 BPSK	1	271		21.22					
100	PI/2 BPSK	135	0		21.32		23.1	0.0		
100	PI/2 BPSK	135	69		21.19		23.1	0.0		
100	PI/2 BPSK	135	138		21.44		23.1	0.0		
100	PI/2 BPSK	270	0		21.38					
100	QPSK	1	1		21.47					
100	QPSK	1	137		21.22		23.1	0.0		
100	QPSK	1	271		21.36					
100	QPSK	135	0		21.26		23.1	0.0		
100	QPSK	135	69		21.22		23.1	0.0		
100	QPSK	135	138		21.28		23.1	0.0		
100	QPSK	270	0		21.37					
100	16QAM	1	1		21.43		23.1	0.0		
100	64QAM	1	1		21.17		23.1	0.0		
100	256QAM	1	1		20.70		22.6	0.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	649668	650000	650334				
Channel										
Frequency (MHz)										
80	QPSK	1	1	649334	650000	650668				
Channel										
Frequency (MHz)										
70	QPSK	1	1	649000	650000	651000				
Channel										
Frequency (MHz)										
60	QPSK	1	1	648668	650000	651334				
Channel										
Frequency (MHz)										
50	QPSK	1	1	648334	650000	651668				
Channel										
Frequency (MHz)										
40	QPSK	1	1	648000	650000	652000				
Channel										
Frequency (MHz)										
30	QPSK	1	1	647668	650000	652334				
Channel										
Frequency (MHz)										
20	QPSK	1	1	647334	650000	652668				
Channel										
Frequency (MHz)										
15	QPSK	1	1	647000	650000	653000				
Channel										
Frequency (MHz)										
10	QPSK	1	1	21.15	21.19	21.19				



PC3 Part27Q n78 Ant7 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	18.50			20.1	0.0
100	PI/2 BPSK	1	137	18.48				
100	PI/2 BPSK	1	271	18.32				
100	PI/2 BPSK	135	0	18.31			20.1	0.0
100	PI/2 BPSK	135	69	18.31			20.1	0.0
100	PI/2 BPSK	135	138	18.31			20.1	0.0
100	PI/2 BPSK	270	0	18.31			20.1	0.0
100	QPSK	1	1	18.52			20.1	0.0
100	QPSK	1	137	18.38				
100	QPSK	1	271	18.19				
100	QPSK	135	0	18.20			20.1	0.0
100	QPSK	135	69	18.48			20.1	0.0
100	QPSK	135	138	18.38			20.1	0.0
100	QPSK	270	0	18.38			20.1	0.0
100	16QAM	1	1	18.26			20.1	0.0
100	64QAM	1	1	18.30			20.1	0.0
100	256QAM	1	1	18.35			20.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.43	18.46	18.27	20.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.43	18.47	18.34	20.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.44	18.39	18.38	20.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.47	18.38	18.46	20.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.48	18.26	18.42	20.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.50	18.32	18.30	20.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.41	18.33	18.35	20.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.46	18.28	18.43	20.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.49	18.40	18.25	20.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.33	18.34	18.38	20.1	0.0

PC2 Part27Q n78 Ant7 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	21.54			23.1	0.0
100	PI/2 BPSK	1	137	21.61				
100	PI/2 BPSK	1	271	21.34				
100	PI/2 BPSK	135	0	21.51			23.1	0.0
100	PI/2 BPSK	135	69	21.31			23.1	0.0
100	PI/2 BPSK	135	138	21.50			23.1	0.0
100	PI/2 BPSK	270	0	21.49			23.1	0.0
100	QPSK	1	1	21.63			23.1	0.0
100	QPSK	1	137	21.51				
100	QPSK	1	271	21.39				
100	QPSK	135	0	21.39			23.1	0.0
100	QPSK	135	69	21.57			23.1	0.0
100	QPSK	135	138	21.44			23.1	0.0
100	QPSK	270	0	21.41			23.1	0.0
100	16QAM	1	1	21.40			23.1	0.0
100	64QAM	1	1	21.37			23.1	0.0
100	256QAM	1	1	20.72			22.6	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.41	21.53	21.50	23.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.46	21.48	21.51	23.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.47	21.60	21.53	23.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.36	21.60	21.51	23.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.16	21.21	21.17	23.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.49	21.54	21.40	23.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.51	21.40	21.57	23.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.16	21.21	21.17	23.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.46	21.54	21.48	23.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.35	21.57	21.48	23.1	0.0



PC3 Part270 n77 Ant8 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	14.88	15.04	14.96	16.5	0.0	
100	PI/2 BPSK	1	137	14.82	14.93	14.96			
100	PI/2 BPSK	1	271	14.73	14.77	14.69			
100	PI/2 BPSK	135	0	15.00	14.98	14.89			
100	PI/2 BPSK	135	69	14.92	14.94	14.93			
100	PI/2 BPSK	135	138	14.83	14.86	14.99			
100	PI/2 BPSK	270	0	14.92	14.77	15.12			
100	QPSK	1	1	15.09	15.13	15.06			
100	QPSK	1	137	14.81	14.84	14.77			
100	QPSK	1	271	14.89	14.75	14.76			
100	QPSK	135	0	14.85	14.95	14.86			
100	QPSK	135	69	14.97	15.08	15.01			
100	QPSK	135	138	15.07	15.01	15.04			
100	QPSK	270	0	14.95	15.05	14.91			
100	16QAM	1	1	14.87	14.85	14.88			
100	64QAM	1	1	14.91	14.98	14.84			
100	256QAM	1	1	14.95	14.94	14.81			
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.09	14.92	15.06	16.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.10	14.98	15.02	16.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.03	15.00	14.89	16.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.05	14.94	14.87	16.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.90	15.01	14.89	16.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.88	14.97	14.93	16.5	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	14.99	14.91	15.05	16.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.08	15.06	15.06	16.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51			
15	QPSK	1	1	15.07	14.93	14.86	16.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	14.94	15.08	14.90	16.5	0.0	

PC2 Part270 n77 Ant8 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.04	18.00	18.09	19.5	0.0	
100	PI/2 BPSK	1	137	17.93	17.87	18.05			
100	PI/2 BPSK	1	271	17.97	17.79	17.84			
100	PI/2 BPSK	135	0	18.00	17.96	17.96			
100	PI/2 BPSK	135	69	18.09	18.15	18.09			
100	PI/2 BPSK	135	138	17.98	17.97	18.04			
100	PI/2 BPSK	270	0	17.99	17.79	18.18			
100	QPSK	1	1	18.19	18.20	18.17			
100	QPSK	1	137	17.92	17.87	17.76			
100	QPSK	1	271	18.07	17.95	17.84			
100	QPSK	135	0	17.94	18.03	18.02			
100	QPSK	135	69	18.06	18.15	18.04			
100	QPSK	135	138	18.08	18.10	18.02			
100	QPSK	270	0	18.02	18.09	17.98			
100	16QAM	1	1	18.04	17.91	17.92			
100	64QAM	1	1	18.10	18.03	18.04			
100	256QAM	1	1	18.05	18.05	18.00			
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.06	18.00	18.16	19.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.98	18.16	17.95	19.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.09	18.08	18.15	19.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.08	18.00	18.09	19.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.14	18.02	17.97	19.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.16	18.12	18.06	19.5	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	18.05	18.08	19.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.04	18.15	18.15	19.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51			
15	QPSK	1	1	18.14	18.17	18.00	19.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.18	18.15	18.10	19.5	0.0	





PC3 Part270 n78 Ant8 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		15.79				
100	PI/2 BPSK	1	137		15.54		17.5	0.0	
100	PI/2 BPSK	1	271		15.76				
100	PI/2 BPSK	135	0		15.73		17.5	0.0	
100	PI/2 BPSK	135	69		15.84		17.5	0.0	
100	PI/2 BPSK	135	138		15.74				
100	PI/2 BPSK	270	0		15.64		17.5	0.0	
100	QPSK	1	1		15.96				
100	QPSK	1	137		15.74		17.5	0.0	
100	QPSK	1	271		15.60				
100	QPSK	135	0		15.74		17.5	0.0	
100	QPSK	135	69		15.91		17.5	0.0	
100	QPSK	135	138		15.72				
100	QPSK	270	0		15.88		17.5	0.0	
100	16QAM	1	1		15.77		17.5	0.0	
100	64QAM	1	1		15.72		17.5	0.0	
100	256QAM	1	1		15.76		17.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		15.86	15.77	15.82	17.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		15.84	15.74	15.87	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		15.80	15.88	15.87	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		15.76	15.85	15.66	17.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		15.82	15.82	15.88	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		15.85	15.89	15.77	17.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		15.69	15.88	15.70	17.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		15.81	15.93	15.78	17.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		15.69	15.93	15.86	17.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		15.86	15.87	15.83	17.5	0.0

PC2 Part270 n78 Ant8 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		18.79				
100	PI/2 BPSK	1	137		18.79		20.5	0.0	
100	PI/2 BPSK	1	271		18.76				
100	PI/2 BPSK	135	0		18.91		20.5	0.0	
100	PI/2 BPSK	135	69		18.81		20.5	0.0	
100	PI/2 BPSK	135	138		18.74				
100	PI/2 BPSK	270	0		18.87		20.5	0.0	
100	QPSK	1	1		18.92				
100	QPSK	1	137		18.77		20.5	0.0	
100	QPSK	1	271		18.80				
100	QPSK	135	0		18.82		20.5	0.0	
100	QPSK	135	69		18.87		20.5	0.0	
100	QPSK	135	138		18.72				
100	QPSK	270	0		18.82		20.5	0.0	
100	16QAM	1	1		18.85		20.5	0.0	
100	64QAM	1	1		18.70		20.5	0.0	
100	256QAM	1	1		18.82		20.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.87	18.87	18.79	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.79	18.77	18.79	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.91	18.86	18.67	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.72	18.72	18.63	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.74	18.87	18.58	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.80	18.84	18.57	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.83	18.84	18.73	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.72	18.71	18.59	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		18.72	18.82	18.74	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		18.74	18.78	18.58	20.5	0.0



PC3 Part27Q n78 Ant8 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		15.71				
100	PI/2 BPSK	1	137		15.71		17.5	0.0	
100	PI/2 BPSK	1	271		15.78				
100	PI/2 BPSK	135	0		15.80		17.5	0.0	
100	PI/2 BPSK	135	69		15.73		17.5	0.0	
100	PI/2 BPSK	135	138		15.75				
100	PI/2 BPSK	270	0		15.70		17.5	0.0	
100	QPSK	1	1		15.81				
100	QPSK	1	137		15.58		17.5	0.0	
100	QPSK	1	271		15.67				
100	QPSK	135	0		15.61		17.5	0.0	
100	QPSK	135	69		15.78		17.5	0.0	
100	QPSK	135	138		15.67		17.5	0.0	
100	QPSK	270	0		15.75				
100	16QAM	1	1		15.71		17.5	0.0	
100	64QAM	1	1		15.64		17.5	0.0	
100	256QAM	1	1		15.66		17.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		15.61	15.69	15.51	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		15.61	15.78	15.55	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		15.56	15.78	15.71	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		15.55	15.65	15.73	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		15.56	15.71	15.57	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		15.54	15.63	15.70	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		15.63	15.79	15.67	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		15.57	15.60	15.60	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		15.61	15.78	15.52	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		15.67	15.62	15.68	17.5	0.0

PC2 Part27Q n78 Ant8 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		18.79				
100	PI/2 BPSK	1	137		18.63		20.5	0.0	
100	PI/2 BPSK	1	271		18.85				
100	PI/2 BPSK	135	0		18.78		20.5	0.0	
100	PI/2 BPSK	135	69		18.68		20.5	0.0	
100	PI/2 BPSK	135	138		18.80				
100	PI/2 BPSK	270	0		18.84		20.5	0.0	
100	QPSK	1	1		18.88				
100	QPSK	1	137		18.66		20.5	0.0	
100	QPSK	1	271		18.80				
100	QPSK	135	0		18.66		20.5	0.0	
100	QPSK	135	69		18.85		20.5	0.0	
100	QPSK	135	138		18.66		20.5	0.0	
100	QPSK	270	0		18.76				
100	16QAM	1	1		18.80		20.5	0.0	
100	64QAM	1	1		18.71		20.5	0.0	
100	256QAM	1	1		18.70		20.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		18.70	18.76	18.68	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		18.63	18.68	18.57	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		18.65	18.75	18.66	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		18.67	18.79	18.54	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		18.73	18.87	18.54	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		18.77	18.79	18.74	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		18.60	18.70	18.69	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		18.64	18.75	18.65	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		18.64	18.72	18.73	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		18.67	18.85	18.55	20.5	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.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.83				
100	PI/2 BPSK	1	137		18.62		20.0	0.0	
100	PI/2 BPSK	1	271		18.78				
100	PI/2 BPSK	135	0		18.69		20.0	0.0	
100	PI/2 BPSK	135	69		18.66		20.0	0.0	
100	PI/2 BPSK	135	138		18.63		20.0	0.0	
100	PI/2 BPSK	270	0		18.73				
100	QPSK	1	1		18.95				
100	QPSK	1	137		18.88		20.0	0.0	
100	QPSK	1	271		18.77				
100	QPSK	135	0		18.78		20.0	0.0	
100	QPSK	135	69		18.87		20.0	0.0	
100	QPSK	135	138		18.83		20.0	0.0	
100	QPSK	270	0		18.91				
100	16QAM	1	1		18.86		20.0	0.0	
100	64QAM	1	1		17.19		18.5	1.5	
100	256QAM	1	1		15.30		16.5	3.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	20.0	0.0	
90	QPSK	1	1		18.89	18.62	18.72	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	20.0	0.0	
80	QPSK	1	1		18.85	18.82	18.70	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	20.0	0.0	
70	QPSK	1	1		18.89	18.74	18.83	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	20.0	0.0	
60	QPSK	1	1		18.88	18.77	18.65	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.0	0.0	
50	QPSK	1	1		18.86	18.68	18.70	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	20.0	0.0	
40	QPSK	1	1		18.72	18.71	18.63	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	20.0	0.0	
30	QPSK	1	1		18.84	18.85	18.88	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.0	0.0	
20	QPSK	1	1		18.74	18.63	18.62	20.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	20.0	0.0	
15	QPSK	1	1		18.71	18.76	18.68	20.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	20.0	0.0	
10	QPSK	1	1		18.72	18.69	18.67	20.0	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					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		21.83				
100	PI/2 BPSK	1	137		21.79		23.0	0.0	
100	PI/2 BPSK	1	271		21.87				
100	PI/2 BPSK	135	0		21.18		22.5	0.5	
100	PI/2 BPSK	135	69		21.83		23.0	0.0	
100	PI/2 BPSK	135	138		21.33		22.5	0.5	
100	PI/2 BPSK	270	0		21.25				
100	QPSK	1	1		21.92				
100	QPSK	1	137		21.89		23.0	0.0	
100	QPSK	1	271		21.87				
100	QPSK	135	0		20.95		22.0	1.0	
100	QPSK	135	69		21.85		23.0	0.0	
100	QPSK	135	138		20.85		22.0	1.0	
100	QPSK	270	0		21.03				
100	16QAM	1	1		20.93		22.0	1.0	
100	64QAM	1	1		19.21		20.5	2.5	
100	256QAM	1	1		17.36		18.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	23.0	0.0	
90	QPSK	1	1		21.84	21.77	21.82	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	23.0	0.0	
80	QPSK	1	1		21.76	21.77	21.80	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	23.0	0.0	
70	QPSK	1	1		21.79	21.81	21.84	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	23.0	0.0	
60	QPSK	1	1		21.79	21.79	21.79	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	23.0	0.0	
50	QPSK	1	1		21.83	21.84	21.88	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	23.0	0.0	
40	QPSK	1	1		21.84	21.88	21.80	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	23.0	0.0	
30	QPSK	1	1		21.81	21.89	21.82	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1		21.76	21.77	21.85	23.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	23.0	0.0	
15	QPSK	1	1		21.84	21.87	21.83	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	23.0	0.0	
10	QPSK	1	1		21.88	21.78	21.83	23.0	0.0



PC3 Part270 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	18.17					
100	PI/2 BPSK	1	137	18.22			19.5	0.0	
100	PI/2 BPSK	1	271	18.12					
100	PI/2 BPSK	135	0	18.09			19.5	0.0	
100	PI/2 BPSK	135	69	18.18			19.5	0.0	
100	PI/2 BPSK	135	138	18.07			19.5	0.0	
100	PI/2 BPSK	270	0	18.27					
100	QPSK	1	1	18.39					
100	QPSK	1	137	18.21			19.5	0.0	
100	QPSK	1	271	18.29					
100	QPSK	135	0	18.31			19.5	0.0	
100	QPSK	135	69	18.38			19.5	0.0	
100	QPSK	135	138	18.33			19.5	0.0	
100	QPSK	270	0	18.28					
100	16QAM	1	1	18.22			19.5	0.0	
100	64QAM	1	1	17.12			18.5	1.0	
100	256QAM	1	1	15.23			16.5	3.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	18.20	18.14	18.12	19.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	18.18	18.30	18.10	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	18.36	18.14	18.22	19.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	18.31	18.10	18.11	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	18.27	18.26	18.29	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	18.35	18.10	18.26	19.5	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	18.27	18.09	18.20	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	18.33	18.27	18.28	19.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	18.19	18.28	18.28	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	18.23	18.27	18.18	19.5	0.0	

PC2 Part270 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	21.19					
100	PI/2 BPSK	1	137	21.18			22.5	0.0	
100	PI/2 BPSK	1	271	21.27					
100	PI/2 BPSK	135	0	21.11			22.5	0.0	
100	PI/2 BPSK	135	69	21.08			22.5	0.0	
100	PI/2 BPSK	135	138	21.22			22.5	0.0	
100	PI/2 BPSK	270	0	21.24					
100	QPSK	1	1	21.42					
100	QPSK	1	137	21.29			22.5	0.0	
100	QPSK	1	271	21.19					
100	QPSK	135	0	20.74			22.0	0.5	
100	QPSK	135	69	21.17			22.5	0.0	
100	QPSK	135	138	20.78			22.0	0.5	
100	QPSK	270	0	20.82					
100	16QAM	1	1	20.71			22.0	0.5	
100	64QAM	1	1	19.19			20.5	2.0	
100	256QAM	1	1	17.29			18.5	4.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	21.31	21.17	21.22	22.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	21.22	21.27	21.13	22.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	21.27	21.33	21.18	22.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	21.31	21.38	21.26	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	21.25	21.36	21.33	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.26	21.24	21.33	22.5	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	21.37	21.36	21.16	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	21.34	21.41	21.33	22.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	21.36	21.25	21.32	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	21.33	21.24	21.23	22.5	0.0	



PC3 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					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1	18.12					
100	PI/2 BPSK	1	137	18.17			19.5	0.0	
100	PI/2 BPSK	1	271	18.10					
100	PI/2 BPSK	135	0	18.13			19.5	0.0	
100	PI/2 BPSK	135	69	18.10			19.5	0.0	
100	PI/2 BPSK	135	138	18.11					
100	PI/2 BPSK	270	0	18.24			19.5	0.0	
100	QPSK	1	1	18.37					
100	QPSK	1	137	18.14			19.5	0.0	
100	QPSK	1	271	18.24					
100	QPSK	135	0	18.16			19.5	0.0	
100	QPSK	135	69	18.32			19.5	0.0	
100	QPSK	135	138	18.30					
100	QPSK	270	0	18.25			19.5	0.0	
100	16QAM	1	1	18.15			19.5	0.0	
100	64QAM	1	1	17.23			18.5	1.0	
100	256QAM	1	1	15.20			16.5	3.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.20	18.09	18.18	19.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.13	18.13	18.23	19.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.14	18.20	18.05	19.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.07	18.12	18.14	19.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.26	18.15	18.05	19.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.10	18.14	18.08	19.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	18.24	18.04	18.22	19.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.17	18.01	18.20	19.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.17	18.05	18.15	19.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.10	18.17	18.20	19.5	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					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1	21.12					
100	PI/2 BPSK	1	137	21.14			22.5	0.0	
100	PI/2 BPSK	1	271	21.10					
100	PI/2 BPSK	135	0	21.04			22.5	0.0	
100	PI/2 BPSK	135	69	21.12			22.5	0.0	
100	PI/2 BPSK	135	138	21.16					
100	PI/2 BPSK	270	0	21.18			22.5	0.0	
100	QPSK	1	1	21.26					
100	QPSK	1	137	21.15			22.5	0.0	
100	QPSK	1	271	21.04					
100	QPSK	135	0	20.86			22.0	0.5	
100	QPSK	135	69	21.26			22.5	0.0	
100	QPSK	135	138	20.76					
100	QPSK	270	0	20.92			22.0	0.5	
100	16QAM	1	1	20.75			22.0	0.5	
100	64QAM	1	1	19.10			20.5	2.0	
100	256QAM	1	1	17.14			18.5	4.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	21.18	21.03	21.11	22.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	21.16	21.08	21.21	22.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	21.17	21.01	21.21	22.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	21.11	21.05	21.11	22.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	21.08	21.10	21.21	22.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	21.12	21.05	21.12	22.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	21.09	21.11	21.16	22.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.07	21.13	21.18	22.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	21.08	21.09	21.24	22.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	21.18	21.05	21.09	22.5	0.0	



### Reduced Power Mode for DSI4

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	25.7	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.07	25.12	25.05	25.7	0.0
20	PI/2 BPSK	1	53	24.96	25.09	25.02		
20	PI/2 BPSK	1	104	24.92	25.04	24.93	25.2	0.5
20	PI/2 BPSK	50	0	24.61	24.69	24.59		
20	PI/2 BPSK	50	28	25.01	25.15	25.04	25.7	0.0
20	PI/2 BPSK	50	56	24.51	24.65	24.60		
20	PI/2 BPSK	100	0	24.57	24.67	24.61	25.2	0.5
20	QPSK	1	1	25.10	25.18	25.06		
20	QPSK	1	53	24.98	25.11	25.03	25.7	0.0
20	QPSK	1	104	24.72	24.81	24.70		
20	QPSK	50	0	24.09	24.21	24.09	24.7	1.0
20	QPSK	50	28	25.12	25.16	25.11		
20	QPSK	50	56	24.15	24.19	24.06	24.7	1.0
20	QPSK	100	0	24.08	24.15	24.09		
20	16QAM	1	1	23.87	23.94	23.88	24.7	1.0
20	64QAM	1	1	22.37	22.45	22.39		
20	256QAM	1	1	20.73	20.78	20.71	21.2	4.5
Channel				166300	167300	168300	25.7	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	25.01	25.05	24.96	25.7	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	25.06	25.03	24.96	25.7	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	25.00	25.13	24.92	25.7	0.0
Channel				164800	167300	170300		
Frequency (MHz)				824	836.5	848		

n7 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				504000	507000	510000	23.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.32	21.43	21.34	23.0	0.0
40	PI/2 BPSK	1	108	21.33	21.41	21.36		
40	PI/2 BPSK	1	214	21.11	21.26	21.13	22.5	0.5
40	PI/2 BPSK	108	0	20.84	20.90	20.76		
40	PI/2 BPSK	108	54	21.27	21.33	21.27	23.0	0.0
40	PI/2 BPSK	108	108	20.72	20.82	20.72		
40	PI/2 BPSK	216	0	20.73	20.86	20.76	22.5	0.5
40	QPSK	1	1	21.39	21.45	21.37		
40	QPSK	1	108	21.30	21.34	21.24	23.0	0.0
40	QPSK	1	214	21.19	21.24	21.17		
40	QPSK	108	0	20.35	20.42	20.28	22.0	1.0
40	QPSK	108	54	21.27	21.40	21.27		
40	QPSK	108	108	20.31	20.37	20.26	22.0	1.0
40	QPSK	216	0	20.34	20.41	20.36		
40	16QAM	1	1	20.43	20.54	20.46	22.0	1.0
40	64QAM	1	1	18.67	18.78	18.66		
40	256QAM	1	1	17.11	17.15	17.07	18.5	4.5
Channel				503000	507000	511000	23.0	0.0
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.29	21.32	21.27	23.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.27	21.37	21.30	23.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2550		
20	PI/2 BPSK	1	1	21.34	21.37	21.28	23.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.35	21.36	21.29	23.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.29	21.41	21.28	23.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.27	21.40	21.29	23.0	0.0
Channel				500000	507000	514000		
Frequency (MHz)				2500	2535	2570		



n38 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				518004	519000	519996					
Frequency (MHz)				2590.02	2595	2599.98					
40	PI/2 BPSK	1	1	21.79	21.87	21.75	23.3	0.0			
40	PI/2 BPSK	1	53	21.77	21.91	21.86					
40	PI/2 BPSK	1	104	21.87	21.90	21.79					
40	PI/2 BPSK	50	0	21.43	21.52	21.45	22.8	0.5			
40	PI/2 BPSK	50	28	21.79	21.86	21.74	23.3	0.0			
40	PI/2 BPSK	50	56	21.37	21.51	21.48	22.8	0.5			
40	PI/2 BPSK	100	0	21.39	21.49	21.42					
40	QPSK	1	1	21.87	21.96	21.82					
40	QPSK	1	53	21.87	21.93	21.81	23.3	0.0			
40	QPSK	1	104	21.87	21.90	21.86					
40	QPSK	50	0	20.91	21.02	20.95					
40	QPSK	50	28	21.89	21.92	21.84	23.3	0.0			
40	QPSK	50	56	20.91	21.04	21.00	22.3	1.0			
40	QPSK	100	0	20.86	20.97	20.84					
40	16QAM	1	1	20.85	20.93	20.84					
40	64QAM	1	1	19.22	19.33	19.23	20.8	2.5			
40	256QAM	1	1	17.48	17.62	17.55	18.8	4.5			
Channel				517002	519000	520998	Tune-up limit	MPR			
Frequency (MHz)				2585.01	2595	2604.99	23.3	0.0			
30	QPSK	1	1	21.84	21.87	21.74	23.3	0.0			
Channel				516000	519000	522000			Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610			23.3	0.0	
20	QPSK	1	1	21.79	21.92	21.73	23.3	0.0			
Channel				515502	519000	522498			Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49			23.3	0.0	
15	QPSK	1	1	21.76	21.85	21.75	23.3	0.0			
Channel				515004	519000	522996			Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98			23.3	0.0	
10	QPSK	1	1	21.76	21.89	21.67	23.3	0.0			

n41 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				509202	518598	528000					
Frequency (MHz)				2546.01	2592.99	2640					
100	PI/2 BPSK	1	1	21.90	21.96	21.88	23.3	0.0			
100	PI/2 BPSK	1	137	21.73	21.87	21.84					
100	PI/2 BPSK	1	271	21.71	21.78	21.68					
100	PI/2 BPSK	135	0	21.26	21.39	21.34	22.8	0.5			
100	PI/2 BPSK	135	69	21.76	21.87	21.76	23.3	0.0			
100	PI/2 BPSK	135	138	21.27	21.30	21.20					
100	PI/2 BPSK	270	0	21.29	21.40	21.35					
100	QPSK	1	1	21.86	21.98	21.91	23.3	0.0			
100	QPSK	1	137	21.86	21.94	21.87					
100	QPSK	1	271	21.53	21.66	21.62					
100	QPSK	135	0	20.81	20.92	20.81	22.3	1.0			
100	QPSK	135	69	21.70	21.84	21.77	23.3	0.0			
100	QPSK	135	138	20.73	20.81	20.67					
100	QPSK	270	0	20.79	20.83	20.74					
100	16QAM	1	1	20.91	20.99	20.90	22.3	1.0			
100	64QAM	1	1	19.55	19.61	19.57	20.8	2.5			
100	256QAM	1	1	17.63	17.68	17.57	18.8	4.5			
Channel				508200	518598	528996	Tune-up limit	MPR			
Frequency (MHz)				2541	2592.99	2644.98	23.3	0.0			
90	QPSK	1	1	21.78	21.91	21.77	23.3	0.0			
Channel				507204	518598	529998			Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			23.3	0.0	
80	QPSK	1	1	21.81	21.83	21.87	23.3	0.0			
Channel				506202	518598	531000			Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			23.3	0.0	
70	QPSK	1	1	21.76	21.93	21.79	23.3	0.0			
Channel				505200	518598	531996			Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			23.3	0.0	
60	QPSK	1	1	21.81	21.91	21.79	23.3	0.0			
Channel				504204	518598	532998			Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			23.3	0.0	
50	QPSK	1	1	21.79	21.93	21.78	23.3	0.0			
Channel				503202	518598	534000			Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670			23.3	0.0	
40	QPSK	1	1	21.78	21.94	21.81	23.3	0.0			
Channel				502200	518598	534996			Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			23.3	0.0	
30	QPSK	1	1	21.72	21.86	21.77	23.3	0.0			
Channel				501204	518598	535998			Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			23.3	0.0	
20	QPSK	1	1	21.76	21.93	21.85	23.3	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	24.73	24.78	24.68	25.5	0.0		
20	PI/2 BPSK	1	53	24.67	24.73	24.69				
20	PI/2 BPSK	1	104	24.57	24.68	24.61				
20	PI/2 BPSK	50	0	24.23	24.38	24.32	25.0	0.5		
20	PI/2 BPSK	50	28	24.67	24.80	24.75	25.5	0.0		
20	PI/2 BPSK	50	56	24.25	24.33	24.23	25.0	0.5		
20	PI/2 BPSK	100	0	24.21	24.34	24.28				
20	QPSK	1	1	24.70	24.81	24.75				
20	QPSK	1	53	24.72	24.79	24.73	25.5	0.0		
20	QPSK	1	104	24.56	24.60	24.56				
20	QPSK	50	0	23.82	23.87	23.73				
20	QPSK	50	28	24.73	24.81	24.67	25.5	0.0		
20	QPSK	50	56	23.72	23.80	23.69	24.5	1.0		
20	QPSK	100	0	23.69	23.77	23.65				
20	16QAM	1	1	23.58	23.73	23.60				
20	64QAM	1	1	21.98	22.07	22.01	23.0	2.5		
20	256QAM	1	1	20.29	20.37	20.23	21.0	4.5		
Channel				166300	167300	168300	Tune-up limit	MPR		
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)		
15	QPSK	1	1	24.63	24.77	24.61	25.5	0.0		
Channel				165800	167300	168800	Tune-up limit	MPR		
Frequency (MHz)				829	836.5	844	(dBm)	(dB)		
10	QPSK	1	1	24.58	24.72	24.67	25.5	0.0		
Channel				165300	167300	169300	Tune-up limit	MPR		
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)		
5	QPSK	1	1	24.62	24.71	24.71	25.5	0.0		

n7 Ant1 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	PI/2 BPSK	1	1	18.84	18.96	18.86	19.5	0.0		
40	PI/2 BPSK	1	108	18.79	18.86	18.71				
40	PI/2 BPSK	1	214	18.78	18.89	18.70				
40	PI/2 BPSK	108	0	18.87	18.91	18.88	19.5	0.0		
40	PI/2 BPSK	108	54	18.86	18.84	18.79	19.5	0.0		
40	PI/2 BPSK	108	108	18.72	18.79	18.59	19.5	0.0		
40	PI/2 BPSK	216	0	18.79	18.88	18.80				
40	QPSK	1	1	18.99	19.01	18.97				
40	QPSK	1	108	18.72	18.93	18.90	19.5	0.0		
40	QPSK	1	214	18.85	18.86	18.66				
40	QPSK	108	0	18.66	18.87	18.82				
40	QPSK	108	54	18.87	18.97	18.94	19.5	0.0		
40	QPSK	108	108	18.74	18.83	18.72	19.5	0.0		
40	QPSK	216	0	18.91	18.95	18.82				
40	16QAM	1	1	18.77	18.84	18.77				
40	64QAM	1	1	18.72	18.84	18.75	19.5	0.0		
40	256QAM	1	1	18.75	18.86	18.79	19.5	0.0		
Channel				503000	507000	511000	Tune-up limit	MPR		
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)		
30	QPSK	1	1	18.69	18.99	18.81	19.5	0.0		
Channel				502500	507000	511500	Tune-up limit	MPR		
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)		
25	QPSK	1	1	18.68	18.89	18.82	19.5	0.0		
Channel				502000	507000	512000	Tune-up limit	MPR		
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)		
20	QPSK	1	1	18.73	19.00	18.87	19.5	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	18.83	18.87	19.5	0.0		
Channel				501000	507000	513000	Tune-up limit	MPR		
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)		
10	QPSK	1	1	18.81	18.91	18.90	19.5	0.0		
Channel				500500	507000	513500	Tune-up limit	MPR		
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)		
5	QPSK	1	1	18.78	18.85	18.81	19.5	0.0		



n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.56	18.61	18.42	19.7	0.0
40	PI/2 BPSK	1	53	18.53	18.57	18.54		
40	PI/2 BPSK	1	104	18.56	18.60	18.47		
40	PI/2 BPSK	50	0	18.54	18.60	18.52	19.7	0.0
40	PI/2 BPSK	50	28	18.49	18.50	18.38	19.7	0.0
40	PI/2 BPSK	50	56	18.35	18.52	18.47	19.7	0.0
40	PI/2 BPSK	100	0	18.53	18.60	18.47		
40	QPSK	1	1	18.53	18.68	18.65		
40	QPSK	1	53	18.44	18.58	18.37	19.7	0.0
40	QPSK	1	104	18.51	18.59	18.48		
40	QPSK	50	0	18.46	18.61	18.51		
40	QPSK	50	28	18.46	18.62	18.58	19.7	0.0
40	QPSK	50	56	18.50	18.59	18.43	19.7	0.0
40	QPSK	100	0	18.52	18.58	18.51		
40	16QAM	1	1	18.56	18.54	18.56		
40	64QAM	1	1	18.42	18.30	18.31	19.7	0.0
40	256QAM	1	1	18.41	18.51	18.39	19.7	0.0
Channel				517002	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.40	18.48	18.62	19.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.42	18.47	18.65	19.7	0.0
Channel				515502	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.41	18.50	18.45	19.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.39	18.63	18.67	19.7	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.56	18.55	18.49	19.7	0.0
100	PI/2 BPSK	1	137	18.48	18.48	18.45		
100	PI/2 BPSK	1	271	18.59	18.47	18.41		
100	PI/2 BPSK	135	0	18.46	18.45	18.45	19.7	0.0
100	PI/2 BPSK	135	69	18.34	18.50	18.30	19.7	0.0
100	PI/2 BPSK	135	138	18.35	18.44	18.29	19.7	0.0
100	PI/2 BPSK	270	0	18.30	18.47	18.26		
100	QPSK	1	1	18.62	18.70	18.60		
100	QPSK	1	137	18.43	18.48	18.45	19.7	0.0
100	QPSK	1	271	18.27	18.42	18.26		
100	QPSK	135	0	18.43	18.52	18.33		
100	QPSK	135	69	18.47	18.66	18.51	19.7	0.0
100	QPSK	135	138	18.33	18.60	18.52	19.7	0.0
100	QPSK	270	0	18.42	18.54	18.32		
100	16QAM	1	1	18.29	18.49	18.51		
100	64QAM	1	1	18.26	18.28	18.37	19.7	0.0
100	256QAM	1	1	18.38	18.28	18.50	19.7	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.43	18.52	18.49	19.7	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.51	18.57	18.49	19.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.53	18.50	18.46	19.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.56	18.60	18.45	19.7	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.43	18.59	18.62	19.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.53	18.55	18.56	19.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.50	18.49	18.40	19.7	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.50	18.49	18.49	19.7	0.0



### n7 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	24.17	24.25	24.17	24.7	0.0
40	PI/2 BPSK	1	108	24.05	24.20	24.13		
40	PI/2 BPSK	1	214	24.08	24.22	24.13		
40	PI/2 BPSK	108	0	23.50	23.62	23.52	24.2	0.5
40	PI/2 BPSK	108	54	24.03	24.09	23.95	24.7	0.0
40	PI/2 BPSK	108	108	23.67	23.77	23.69	24.2	0.5
40	PI/2 BPSK	216	0	23.60	23.66	23.56		
40	QPSK	1	1	24.23	24.30	24.16		
40	QPSK	1	108	24.12	24.26	24.11	24.7	0.0
40	QPSK	1	214	24.08	24.22	24.17		
40	QPSK	108	0	23.10	23.13	23.09		
40	QPSK	108	54	24.02	24.11	24.00	23.7	1.0
40	QPSK	108	108	23.10	23.24	23.13	24.7	0.0
40	QPSK	216	0	23.17	23.20	23.16	23.7	1.0
40	16QAM	1	1	23.27	23.34	23.25	23.7	1.0
40	64QAM	1	1	21.34	21.38	21.25	22.2	2.5
40	256QAM	1	1	19.75	19.80	19.72	20.2	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.11	24.16	24.04	24.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.17	24.23	24.08	24.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	24.09	24.15	24.09	24.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.19	24.21	24.12	24.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.10	24.21	24.12	24.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.14	24.16	24.03	24.7	0.0





n38 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	25.12	25.26	25.14			
40	PI/2 BPSK	1	53	25.09	25.18	25.05	25.7	0.0	
40	PI/2 BPSK	1	104	25.20	25.31	25.22			
40	PI/2 BPSK	50	0	24.70	24.77	24.73	25.2	0.5	
40	PI/2 BPSK	50	28	25.12	25.22	25.11	25.7	0.0	
40	PI/2 BPSK	50	56	24.60	24.71	24.61			
40	PI/2 BPSK	100	0	24.71	24.74	24.62	25.2	0.5	
40	QPSK	1	1	25.20	25.34	25.26			
40	QPSK	1	53	25.08	25.22	25.08	25.7	0.0	
40	QPSK	1	104	25.17	25.30	25.18			
40	QPSK	50	0	24.25	24.28	24.19	24.7	1.0	
40	QPSK	50	28	25.17	25.21	25.09	25.7	0.0	
40	QPSK	50	56	24.10	24.14	24.05			
40	QPSK	100	0	24.09	24.22	24.11	24.7	1.0	
40	16QAM	1	1	24.16	24.24	24.17	24.7	1.0	
40	64QAM	1	1	22.56	22.64	22.53	23.2	2.5	
40	256QAM	1	1	20.72	20.76	20.68	21.2	4.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	25.15	25.20	25.18	25.7	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	25.12	25.22	25.19	25.7	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	25.16	25.20	25.19	25.7	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	25.07	25.26	25.17	25.7	0.0	

n41 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	25.17	25.31	25.21			
100	PI/2 BPSK	1	137	25.18	25.33	25.27	25.7	0.0	
100	PI/2 BPSK	1	271	25.19	25.34	25.25			
100	PI/2 BPSK	135	0	24.66	24.79	24.73	25.2	0.5	
100	PI/2 BPSK	135	69	25.18	25.28	25.23	25.7	0.0	
100	PI/2 BPSK	135	138	24.69	24.81	24.75			
100	PI/2 BPSK	270	0	24.64	24.78	24.75	25.2	0.5	
100	QPSK	1	1	24.96	25.38	25.28			
100	QPSK	1	137	25.17	25.28	25.24	25.7	0.0	
100	QPSK	1	271	25.10	25.20	25.07			
100	QPSK	135	0	24.17	24.25	24.14	24.7	1.0	
100	QPSK	135	69	25.14	25.28	25.22	25.7	0.0	
100	QPSK	135	138	24.22	24.34	24.20			
100	QPSK	270	0	24.16	24.25	24.11	24.7	1.0	
100	16QAM	1	1	24.11	24.22	24.17	24.7	1.0	
100	64QAM	1	1	22.49	22.58	22.53	23.2	2.5	
100	256QAM	1	1	20.75	20.78	20.70	21.2	4.5	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	25.24	25.26	25.20	25.7	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	25.27	25.26	25.19	25.7	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	25.21	25.32	25.22	25.7	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	25.19	25.31	25.24	25.7	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	25.22	25.32	25.19	25.7	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	25.19	25.28	25.15	25.7	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	25.23	25.24	25.19	25.7	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	25.27	25.30	25.15	25.7	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	22.17	22.27	22.20	23.5	0.0
40	PI/2 BPSK	1	108	22.17	22.22	22.12		
40	PI/2 BPSK	1	214	22.19	22.26	22.21		
40	PI/2 BPSK	108	0	21.65	21.72	21.64	23.0	0.5
40	PI/2 BPSK	108	54	22.09	22.18	22.05	23.5	0.0
40	PI/2 BPSK	108	108	21.59	21.64	21.57	23.0	0.5
40	PI/2 BPSK	216	0	21.56	21.71	21.57		
40	QPSK	1	1	22.20	22.32	22.12		
40	QPSK	1	108	22.14	22.20	22.13	23.5	0.0
40	QPSK	1	214	22.24	22.29	22.25		
40	QPSK	108	0	21.09	21.23	21.13		
40	QPSK	108	54	22.15	22.26	22.13	23.5	0.0
40	QPSK	108	108	21.02	21.16	21.09	22.5	1.0
40	QPSK	216	0	21.17	21.23	21.03		
40	16QAM	1	1	21.29	21.37	21.27		
40	64QAM	1	1	19.71	19.75	19.67	21.0	2.5
40	256QAM	1	1	17.78	17.84	17.73	19.0	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.17	22.24	22.02	23.5	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.05	22.22	22.04	23.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.11	22.20	22.08	23.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.06	22.24	22.00	23.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.09	22.17	22.02	23.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.15	22.21	22.02	23.5	0.0



n38 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	21.87	21.97	21.87	23.3	0.0	
40	PI/2 BPSK	1	53	21.86	21.96	21.96			
40	PI/2 BPSK	1	104	21.86	21.92	21.75			
40	PI/2 BPSK	50	0	21.74	21.95	21.76	23.3	0.0	
40	PI/2 BPSK	50	28	21.75	21.94	21.87	23.3	0.0	
40	PI/2 BPSK	50	56	21.75	21.92	21.78	23.3	0.0	
40	PI/2 BPSK	100	0	21.92	21.95	21.79			
40	QPSK	1	1	22.03	22.07	21.96			
40	QPSK	1	53	21.81	21.87	21.83	23.3	0.0	
40	QPSK	1	104	21.88	21.94	21.80			
40	QPSK	50	0	21.91	21.98	21.91			
40	QPSK	50	28	22.00	22.05	21.99	23.3	0.0	
40	QPSK	50	56	21.80	21.98	21.78	23.3	0.0	
40	QPSK	100	0	21.91	21.99	21.90			
40	16QAM	1	1	22.03	21.97	21.88			
40	64QAM	1	1	20.73	20.88	20.69	21.8	1.5	
40	256QAM	1	1	18.60	18.80	18.80	19.8	3.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	23.3	0.0	
30	QPSK	1	1	22.02	22.03	21.74	23.3	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	21.96	21.90	21.92	23.3	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.04	21.98	21.98	23.3	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	21.88	21.89	21.79	23.3	0.0	

n41 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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.35	22.40	22.37	24.0	0.0	
100	PI/2 BPSK	1	137	22.41	22.40	22.34			
100	PI/2 BPSK	1	271	22.28	22.32	22.26			
100	PI/2 BPSK	135	0	22.34	22.48	22.48	24.0	0.0	
100	PI/2 BPSK	135	69	22.43	22.41	22.48			
100	PI/2 BPSK	135	138	22.40	22.42	22.30			
100	PI/2 BPSK	270	0	22.41	22.40	22.35	24.0	0.0	
100	QPSK	1	1	22.41	22.49	22.39			
100	QPSK	1	137	22.47	22.45	22.34			
100	QPSK	1	271	22.26	22.45	22.39	24.0	0.0	
100	QPSK	135	0	21.68	21.88	21.78			
100	QPSK	135	69	22.45	22.47	22.43			
100	QPSK	135	138	21.82	21.80	21.64	23.5	0.0	
100	QPSK	270	0	21.68	21.80	21.64			
100	16QAM	1	1	21.86	21.92	21.76			
100	64QAM	1	1	20.25	20.38	20.28	22.0	2.0	
100	256QAM	1	1	18.37	18.39	18.24			
100	256QAM	1	1	18.37	18.39	18.24			
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0	
90	QPSK	1	1	22.42	22.44	22.19	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.26	22.45	22.31	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.20	22.36	22.28	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.36	22.47	22.27	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.39	22.42	22.25	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.25	22.29	22.40	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.36	22.36	22.27	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.28	22.45	22.39	24.0	0.0	

### PC3 Part270 n77 Ant6 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.83	17.86	17.86	19.0	0.0
100	PI/2 BPSK	1	137	17.58	17.54	17.65		
100	PI/2 BPSK	1	271	17.50	17.48	17.42		
100	PI/2 BPSK	135	0	17.44	17.64	17.59		
100	PI/2 BPSK	135	69	17.71	17.68	17.63		
100	PI/2 BPSK	135	138	17.53	17.50	17.61		
100	PI/2 BPSK	270	0	17.55	17.46	17.74		
100	QPSK	1	1	17.77	17.95	17.79		
100	QPSK	1	137	17.56	17.57	17.45		
100	QPSK	1	271	17.62	17.50	17.51		
100	QPSK	135	0	17.50	17.68	17.53		
100	QPSK	135	69	17.86	17.90	17.80		
100	QPSK	135	138	17.47	17.52	17.65		
100	QPSK	270	0	17.75	17.83	17.71		
100	16QAM	1	1	17.81	17.81	17.81	19.0	0.0
100	64QAM	1	1	17.46	17.60	17.55	19.0	0.0
100	256QAM	1	1	17.53	17.62	17.61	19.0	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	17.72	17.94	17.72	19.0	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	17.58	17.90	17.66	19.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.58	17.93	17.69	19.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	17.61	17.84	17.80	19.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	17.64	17.74	17.79	19.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.61	17.81	17.88	19.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	17.77	17.88	17.86	19.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	17.75	17.85	17.61	19.0	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.62	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	17.73	17.81	17.73	19.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	17.57	17.63	17.80	19.0	0.0

### PC2 Part270 n77 Ant6 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.50	20.78	20.69	22.0	0.0
100	PI/2 BPSK	1	137	20.76	20.68	20.59		
100	PI/2 BPSK	1	271	20.58	20.68	20.67		
100	PI/2 BPSK	135	0	20.79	20.87	20.71		
100	PI/2 BPSK	135	69	20.52	20.54	20.59		
100	PI/2 BPSK	135	138	20.69	20.71	20.53		
100	PI/2 BPSK	270	0	20.69	20.83	20.85		
100	QPSK	1	1	20.88	20.92	20.85		
100	QPSK	1	137	20.83	20.82	20.58		
100	QPSK	1	271	20.69	20.67	20.46		
100	QPSK	135	0	20.68	20.76	20.83		
100	QPSK	135	69	20.65	20.89	20.64		
100	QPSK	135	138	20.54	20.85	20.44		
100	QPSK	270	0	20.70	20.85	20.77		
100	16QAM	1	1	20.60	20.80	20.67	22.0	0.0
100	64QAM	1	1	20.79	20.72	20.69	22.0	0.0
100	256QAM	1	1	20.81	20.82	20.73	22.0	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.72	20.89	20.73	22.0	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.88	20.81	20.67	22.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.88	20.79	20.81	22.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.74	20.76	20.70	22.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.77	20.81	20.69	22.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.82	20.83	20.84	22.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.72	20.75	20.84	22.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.72	20.84	20.68	22.0	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.62	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	20.77	20.82	20.88	22.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	20.84	20.86	20.64	22.0	0.0



PC3 Part27Q n77 Ant6 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	17.71					
100	PI/2 BPSK	1	137	17.63			19.0	0.0	
100	PI/2 BPSK	1	271	17.41					
100	PI/2 BPSK	135	0	17.56			19.0	0.0	
100	PI/2 BPSK	135	69	17.61			19.0	0.0	
100	PI/2 BPSK	135	138	17.43					
100	PI/2 BPSK	270	0	17.63			19.0	0.0	
100	QPSK	1	1	17.87					
100	QPSK	1	137	17.55			19.0	0.0	
100	QPSK	1	271	17.72					
100	QPSK	135	0	17.57			19.0	0.0	
100	QPSK	135	69	17.86			19.0	0.0	
100	QPSK	135	138	17.65					
100	QPSK	270	0	17.75			19.0	0.0	
100	16QAM	1	1	17.62			19.0	0.0	
100	64QAM	1	1	17.78			19.0	0.0	
100	256QAM	1	1	17.52			19.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	19.0	0.0	
90	QPSK	1	1	17.73	17.79	17.48	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	19.0	0.0	
80	QPSK	1	1	17.61	17.85	17.62	19.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	19.0	0.0	
70	QPSK	1	1	17.72	17.80	17.62	19.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	19.0	0.0	
60	QPSK	1	1	17.77	17.83	17.47	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	19.0	0.0	
50	QPSK	1	1	17.66	17.71	17.52	19.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	19.0	0.0	
40	QPSK	1	1	17.77	17.71	17.61	19.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	19.0	0.0	
30	QPSK	1	1	17.67	17.73	17.55	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	19.0	0.0	
20	QPSK	1	1	17.69	17.72	17.47	19.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	19.0	0.0	
15	QPSK	1	1	17.63	17.69	17.51	19.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	19.0	0.0	
10	QPSK	1	1	17.73	17.60	17.67	19.0	0.0	

PC2 Part27Q n77 Ant6 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	20.63					
100	PI/2 BPSK	1	137	20.71			22.0	0.0	
100	PI/2 BPSK	1	271	20.57					
100	PI/2 BPSK	135	0	20.68			22.0	0.0	
100	PI/2 BPSK	135	69	20.68			22.0	0.0	
100	PI/2 BPSK	135	138	20.64					
100	PI/2 BPSK	270	0	20.66			22.0	0.0	
100	QPSK	1	1	20.86					
100	QPSK	1	137	20.62			22.0	0.0	
100	QPSK	1	271	20.63					
100	QPSK	135	0	20.54			22.0	0.0	
100	QPSK	135	69	20.79			22.0	0.0	
100	QPSK	135	138	20.55					
100	QPSK	270	0	20.76			22.0	0.0	
100	16QAM	1	1	20.51			22.0	0.0	
100	64QAM	1	1	20.73			22.0	0.0	
100	256QAM	1	1	20.44			22.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	22.0	0.0	
90	QPSK	1	1	20.70	20.78	20.69	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	22.0	0.0	
80	QPSK	1	1	20.77	20.80	20.65	22.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	22.0	0.0	
70	QPSK	1	1	20.78	20.71	20.62	22.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	22.0	0.0	
60	QPSK	1	1	20.83	20.85	20.64	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	22.0	0.0	
50	QPSK	1	1	20.83	20.67	20.66	22.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	22.0	0.0	
40	QPSK	1	1	20.61	20.83	20.77	22.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	22.0	0.0	
30	QPSK	1	1	20.78	20.72	20.62	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	22.0	0.0	
20	QPSK	1	1	20.67	20.76	20.57	22.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	22.0	0.0	
15	QPSK	1	1	20.69	20.79	20.66	22.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	22.0	0.0	
10	QPSK	1	1	20.74	20.64	20.75	22.0	0.0	



PC3 Part270 n78 Ant6 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI/2 BPSK	1	1		18.19					
100	PI/2 BPSK	1	137		18.15		19.5	0.0		
100	PI/2 BPSK	1	271		18.07					
100	PI/2 BPSK	135	0		18.08		19.5	0.0		
100	PI/2 BPSK	135	69		18.09		19.5	0.0		
100	PI/2 BPSK	135	138		18.03		19.5	0.0		
100	PI/2 BPSK	270	0		18.08					
100	QPSK	1	1		18.35					
100	QPSK	1	137		18.15		19.5	0.0		
100	QPSK	1	271		18.14					
100	QPSK	135	0		18.12		19.5	0.0		
100	QPSK	135	69		18.27		19.5	0.0		
100	QPSK	135	138		18.15		19.5	0.0		
100	QPSK	270	0		18.25					
100	16QAM	1	1		18.00		19.5	0.0		
100	64QAM	1	1		17.90		19.5	0.0		
100	256QAM	1	1		18.08		19.5	0.0		
Channel				649668	650000	650334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1		18.12	18.15	18.15	19.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)		
80	QPSK	1	1		18.08	18.19	18.14	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1		18.27	18.22	18.02	19.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1		18.09	18.29	18.14	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1		18.21	18.15	18.16	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1		18.07	18.28	18.10	19.5	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1		18.19	18.22	18.11	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1		18.19	18.28	18.02	19.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1		18.18	18.20	17.97	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1		18.09	18.16	17.99	19.5	0.0	

PC2 Part270 n78 Ant6 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI/2 BPSK	1	1		21.35					
100	PI/2 BPSK	1	137		21.34		22.5	0.0		
100	PI/2 BPSK	1	271		21.30					
100	PI/2 BPSK	135	0		21.33		22.5	0.0		
100	PI/2 BPSK	135	69		21.36		22.5	0.0		
100	PI/2 BPSK	135	138		21.32		22.5	0.0		
100	PI/2 BPSK	270	0		21.35					
100	QPSK	1	1		21.37					
100	QPSK	1	137		21.35		22.5	0.0		
100	QPSK	1	271		21.30					
100	QPSK	135	0		21.31		22.5	0.0		
100	QPSK	135	69		21.34		22.5	0.0		
100	QPSK	135	138		21.32		22.5	0.0		
100	QPSK	270	0		21.31					
100	16QAM	1	1		21.13		22.5	0.0		
100	64QAM	1	1		21.21		22.5	0.0		
100	256QAM	1	1		21.13		22.5	0.0		
Channel				649668	650000	650334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1		21.17	21.28	21.26	22.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)		
80	QPSK	1	1		21.21	21.35	21.23	22.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1		21.29	21.20	21.29	22.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1		21.23	21.30	21.23	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1		21.18	21.16	21.32	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1		21.27	21.24	21.17	22.5	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1		21.15	21.20	21.33	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1		21.11	21.21	21.27	22.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1		21.23	21.33	21.20	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1		21.23	21.32	21.21	22.5	0.0	

PC3 Part27Q n78 Ant6 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	18.14					
100	PI/2 BPSK	1	137	18.00			19.5	0.0	
100	PI/2 BPSK	1	271	18.05					
100	PI/2 BPSK	135	0	18.01			19.5	0.0	
100	PI/2 BPSK	135	69	18.05			19.5	0.0	
100	PI/2 BPSK	135	138	17.89					
100	PI/2 BPSK	270	0	17.99			19.5	0.0	
100	QPSK	1	1	18.24					
100	QPSK	1	137	18.12			19.5	0.0	
100	QPSK	1	271	18.10					
100	QPSK	135	0	17.97			19.5	0.0	
100	QPSK	135	69	18.21			19.5	0.0	
100	QPSK	135	138	17.98					
100	QPSK	270	0	18.17			19.5	0.0	
100	16QAM	1	1	17.89			19.5	0.0	
100	64QAM	1	1	17.71			19.5	0.0	
100	256QAM	1	1	17.97			19.5	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	18.19	18.05	19.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	18.01	18.17	18.18	19.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	18.05	18.10	18.03	19.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	18.14	18.05	18.13	19.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	18.01	18.14	18.10	19.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	18.04	18.23	18.13	19.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	18.14	18.16	18.06	19.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	18.06	18.15	18.19	19.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	18.10	18.14	18.13	19.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	18.17	18.20	18.06	19.5	0.0	

PC2 Part27Q n78 Ant6 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	21.15					
100	PI/2 BPSK	1	137	21.00			22.5	0.0	
100	PI/2 BPSK	1	271	20.97					
100	PI/2 BPSK	135	0	20.93			22.5	0.0	
100	PI/2 BPSK	135	69	20.95			22.5	0.0	
100	PI/2 BPSK	135	138	20.93					
100	PI/2 BPSK	270	0	21.05			22.5	0.0	
100	QPSK	1	1	21.26					
100	QPSK	1	137	21.21			22.5	0.0	
100	QPSK	1	271	21.11					
100	QPSK	135	0	20.99			22.5	0.0	
100	QPSK	135	69	21.23			22.5	0.0	
100	QPSK	135	138	20.89					
100	QPSK	270	0	21.21			22.5	0.0	
100	16QAM	1	1	20.86			22.5	0.0	
100	64QAM	1	1	20.70			22.5	0.0	
100	256QAM	1	1	21.04			22.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	21.10	21.12	21.11	22.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	21.13	21.25	21.22	22.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	21.11	21.08	21.13	22.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	21.20	21.08	21.17	22.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	21.02	21.16	21.12	22.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	21.12	21.23	21.09	22.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	21.15	21.20	21.19	22.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	21.09	21.20	21.10	22.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	21.05	21.12	21.05	22.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	21.15	21.15	21.10	22.5	0.0	



### PC3 Part270 n77 Ant7 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.		Power Middle Ch. / Freq.		Tune-up limit (dBm)	Power High Ch. / Freq.		Tune-up limit (dBm)	MPR (dB)
				650000	656000	662000	668000					
Channel												
Frequency (MHz)												
100	PI/2 BPSK	1	1	22.21	22.37			22.55				
100	PI/2 BPSK	1	137	22.21	22.21			22.40			24.0	0.0
100	PI/2 BPSK	1	271	22.26	22.37			22.52				
100	PI/2 BPSK	135	0	22.37	22.47		24.1	22.03		24.0		0.0
100	PI/2 BPSK	135	69	22.29	22.35		24.1	22.40		24.0		0.0
100	PI/2 BPSK	135	138	22.42	22.55		24.1	22.13		24.0		0.0
100	PI/2 BPSK	270	0	22.36	22.39			21.98				
100	QPSK	1	1	22.62	22.76		24.1	22.58			24.0	0.0
100	QPSK	1	137	22.30	22.47			22.45				
100	QPSK	1	271	22.31	22.49			22.57				
100	QPSK	135	0	22.29	22.32		24.1	21.42		24.0		0.0
100	QPSK	135	69	22.57	22.72		24.1	22.68		24.0		0.0
100	QPSK	135	138	22.37	22.33		24.1	21.39		24.0		0.0
100	QPSK	270	0	22.26	22.38			21.49				
100	16QAM	1	1	22.46	22.53		24.1	21.67		24.0		0.0
100	64QAM	1	1	20.97	21.01		22.6	20.11		24.0		0.0
100	256QAM	1	1	19.05	19.15		20.6	18.25		24.0		0.0
Channel												
Frequency (MHz)												
90	QPSK	1	1	22.19	22.44		24.1	22.56		24.0		0.0
Channel												
Frequency (MHz)												
80	QPSK	1	1	22.21	22.27		24.1	22.45		24.0		0.0
Channel												
Frequency (MHz)												
70	QPSK	1	1	22.25	22.42		24.1	22.45		24.0		0.0
Channel												
Frequency (MHz)												
60	QPSK	1	1	22.30	22.26		24.1	22.51		24.0		0.0
Channel												
Frequency (MHz)												
50	QPSK	1	1	22.23	22.37		24.1	22.44		24.0		0.0
Channel												
Frequency (MHz)												
40	QPSK	1	1	22.29	22.46		24.1	22.47		24.0		0.0
Channel												
Frequency (MHz)												
30	QPSK	1	1	22.29	22.27		24.1	22.42		24.0		0.0
Channel												
Frequency (MHz)												
20	QPSK	1	1	22.15	22.27		24.1	22.54		24.0		0.0
Channel												
Frequency (MHz)												
15	QPSK	1	1	22.25	22.34		24.1	22.49		24.0		0.0
Channel												
Frequency (MHz)												
10	QPSK	1	1	22.15	22.31		24.1	22.45		24.0		0.0

### PC2 Part270 n77 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.		Power Middle Ch. / Freq.		Tune-up limit (dBm)	Power High Ch. / Freq.		Tune-up limit (dBm)	MPR (dB)
				650000	656000	662000	668000					
Channel												
Frequency (MHz)												
100	PI/2 BPSK	1	1	25.37	25.42			24.76				
100	PI/2 BPSK	1	137	25.26	25.32			24.73		27.1	26.6	0.0
100	PI/2 BPSK	1	271	25.35	25.50			24.74				
100	PI/2 BPSK	135	0	24.75	24.87		26.6	24.73		26.6		0.0
100	PI/2 BPSK	135	69	25.30	25.37		27.1	24.65		26.6		0.0
100	PI/2 BPSK	135	138	24.86	24.95		26.6	24.64		26.6		0.0
100	PI/2 BPSK	270	0	24.77	24.90			24.74				
100	QPSK	1	1	25.40	25.56		27.1	24.83			26.6	0.0
100	QPSK	1	137	25.25	25.34			24.79				
100	QPSK	1	271	25.40	25.50			24.78				
100	QPSK	135	0	24.31	24.35		26.1	23.72		26.6		0.0
100	QPSK	135	69	25.42	25.47		27.1	24.71		26.6		0.0
100	QPSK	135	138	24.24	24.29		26.1	23.79		26.6		0.0
100	QPSK	270	0	24.23	24.40			23.77				
100	16QAM	1	1	24.36	24.44		26.1	23.72		26.6		0.0
100	64QAM	1	1	22.83	22.95		24.6	22.40		26.6		0.0
100	256QAM	1	1	20.99	21.03		22.6	20.41		26.6		0.0
Channel												
Frequency (MHz)												
90	QPSK	1	1	25.24	25.48		27.1	24.71		26.6		0.0
Channel												
Frequency (MHz)												
80	QPSK	1	1	25.26	25.52		27.1	24.71		26.6		0.0
Channel												
Frequency (MHz)												
70	QPSK	1	1	25.32	25.42		27.1	24.70		26.6		0.0
Channel												
Frequency (MHz)												
60	QPSK	1	1	25.37	25.46		27.1	24.69		26.6		0.0
Channel												
Frequency (MHz)												
50	QPSK	1	1	25.34	25.41		27.1	24.66		26.6		0.0
Channel												
Frequency (MHz)												
40	QPSK	1	1	25.28	25.47		27.1	24.64		26.6		0.0
Channel												
Frequency (MHz)												
30	QPSK	1	1	25.35	25.51		27.1	24.67		26.6		0.0
Channel												
Frequency (MHz)												
20	QPSK	1	1	25.39	25.48		27.1	24.63		26.6		0.0
Channel												
Frequency (MHz)												
15	QPSK	1	1	25.27	25.45		27.1	24.67		26.6		0.0
Channel												
Frequency (MHz)												
10	QPSK	1	1	25.33	25.42		27.1	24.67		26.6		0.0





PC3 Part27Q n77 Ant7 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1	22.42	22.31	22.30	24.1	0.0	
100	PI/2 BPSK	1	137	22.41	22.31	22.30	24.1	0.0	
100	PI/2 BPSK	1	271	22.41	22.31	22.30	24.1	0.0	
100	PI/2 BPSK	135	0	22.33	22.33	22.33	24.1	0.0	
100	PI/2 BPSK	135	69	22.38	22.38	22.38	24.1	0.0	
100	PI/2 BPSK	135	138	22.42	22.42	22.42	24.1	0.0	
100	PI/2 BPSK	270	0	22.32	22.32	22.32	24.1	0.0	
100	QPSK	1	1	22.57	22.57	22.57	24.1	0.0	
100	QPSK	1	137	22.32	22.32	22.32	24.1	0.0	
100	QPSK	1	271	22.46	22.46	22.46	24.1	0.0	
100	QPSK	135	0	22.30	22.30	22.30	24.1	0.0	
100	QPSK	135	69	22.42	22.42	22.42	24.1	0.0	
100	QPSK	135	138	22.31	22.31	22.31	24.1	0.0	
100	QPSK	270	0	22.34	22.34	22.34	24.1	0.0	
100	16QAM	1	1	22.41	22.41	22.41	24.1	0.0	
100	64QAM	1	1	20.92	20.92	20.92	22.6	1.5	
100	256QAM	1	1	18.79	18.79	18.79	20.6	3.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	22.36	22.23	22.30	24.1	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	22.24	22.29	22.40	24.1	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	22.31	22.35	22.31	24.1	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	22.40	22.33	22.35	24.1	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	22.29	22.32	22.44	24.1	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	22.38	22.24	22.35	24.1	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	22.41	22.45	22.39	24.1	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	22.32	22.27	22.45	24.1	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	22.18	22.31	22.29	24.1	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	22.31	22.38	22.45	24.1	0.0	

PC2 Part27Q n77 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1	25.32	25.32	25.32	27.1	0.0	
100	PI/2 BPSK	1	137	25.23	25.23	25.23	27.1	0.0	
100	PI/2 BPSK	1	271	25.49	25.49	25.49	27.1	0.0	
100	PI/2 BPSK	135	0	24.86	24.86	24.86	26.6	0.5	
100	PI/2 BPSK	135	69	25.31	25.31	25.31	27.1	0.0	
100	PI/2 BPSK	135	138	24.92	24.92	24.92	26.6	0.5	
100	PI/2 BPSK	270	0	24.80	24.80	24.80	26.6	0.5	
100	QPSK	1	1	25.55	25.55	25.55	27.1	0.0	
100	QPSK	1	137	25.35	25.35	25.35	27.1	0.0	
100	QPSK	1	271	25.46	25.46	25.46	27.1	0.0	
100	QPSK	135	0	24.28	24.28	24.28	26.1	1.0	
100	QPSK	135	69	25.37	25.37	25.37	27.1	0.0	
100	QPSK	135	138	24.41	24.41	24.41	26.1	1.0	
100	QPSK	270	0	24.47	24.47	24.47	26.1	1.0	
100	16QAM	1	1	24.39	24.39	24.39	26.1	1.0	
100	64QAM	1	1	22.89	22.89	22.89	24.6	2.5	
100	256QAM	1	1	20.76	20.76	20.76	22.6	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	25.48	25.51	25.42	27.1	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	25.43	25.48	25.50	27.1	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	25.48	25.40	25.40	27.1	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	25.45	25.39	25.48	27.1	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	25.44	25.40	25.49	27.1	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	25.43	25.49	25.42	27.1	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	25.50	25.49	25.38	27.1	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	25.44	25.47	25.44	27.1	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	25.48	25.42	25.50	27.1	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	25.51	25.45	25.51	27.1	0.0	



PC3 Part270 n78 Ant7 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	22.90					
100	PI/2 BPSK	1	137	22.66			24.6	0.0	
100	PI/2 BPSK	1	271	22.69					
100	PI/2 BPSK	135	0	22.71			24.6	0.0	
100	PI/2 BPSK	135	69	22.65			24.6	0.0	
100	PI/2 BPSK	135	138	22.74					
100	PI/2 BPSK	270	0	22.69			24.6	0.0	
100	QPSK	1	1	22.93					
100	QPSK	1	137	22.62			24.6	0.0	
100	QPSK	1	271	22.61					
100	QPSK	135	0	22.11			24.1	0.5	
100	QPSK	135	69	22.62			24.6	0.0	
100	QPSK	135	138	22.12			24.1	0.5	
100	QPSK	270	0	22.13					
100	16QAM	1	1	22.23			24.1	0.5	
100	64QAM	1	1	20.69			22.6	2.0	
100	256QAM	1	1	18.65			20.6	4.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	22.82	22.75	22.86	24.6	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	22.75	22.70	22.72	24.6	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	22.73	22.72	22.74	24.6	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	22.71	22.77	22.86	24.6	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	22.74	22.68	22.69	24.6	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	22.69	22.67	22.80	24.6	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	22.71	22.80	22.81	24.6	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	22.71	22.88	22.81	24.6	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	22.80	22.81	22.81	24.6	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	22.85	22.81	22.78	24.6	0.0	

PC2 Part270 n78 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	25.21					
100	PI/2 BPSK	1	137	25.28			27.1	0.0	
100	PI/2 BPSK	1	271	25.30					
100	PI/2 BPSK	135	0	24.64			26.6	0.5	
100	PI/2 BPSK	135	69	25.24			27.1	0.0	
100	PI/2 BPSK	135	138	24.79					
100	PI/2 BPSK	270	0	24.65			26.6	0.5	
100	QPSK	1	1	25.31					
100	QPSK	1	137	25.29			27.1	0.0	
100	QPSK	1	271	25.23					
100	QPSK	135	0	24.15			26.1	1.0	
100	QPSK	135	69	25.21			27.1	0.0	
100	QPSK	135	138	24.22			26.1	1.0	
100	QPSK	270	0	24.22					
100	16QAM	1	1	24.17			26.1	1.0	
100	64QAM	1	1	22.82			24.6	2.5	
100	256QAM	1	1	20.70			22.6	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	25.16	25.28	25.21	27.1	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	25.15	25.20	25.26	27.1	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	25.25	25.29	25.20	27.1	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	25.17	25.20	25.18	27.1	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	25.28	25.29	25.25	27.1	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	25.23	25.17	25.28	27.1	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	25.17	25.28	25.24	27.1	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	25.15	25.18	25.25	27.1	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	25.19	25.18	25.14	27.1	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	25.23	25.29	25.28	27.1	0.0	



PC3 Part27Q n78 Ant7 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	22.98			24.6	0.0	
100	PI/2 BPSK	1	137	22.95					
100	PI/2 BPSK	1	271	22.90					
100	PI/2 BPSK	135	0	22.89			24.6	0.0	
100	PI/2 BPSK	135	69	22.75			24.6	0.0	
100	PI/2 BPSK	135	138	22.86					
100	PI/2 BPSK	270	0	22.78			24.6	0.0	
100	QPSK	1	1	23.09					
100	QPSK	1	137	23.00			24.6	0.0	
100	QPSK	1	271	22.69					
100	QPSK	135	0	22.29			24.1	0.5	
100	QPSK	135	69	22.95			24.6	0.0	
100	QPSK	135	138	22.36			24.1	0.5	
100	QPSK	270	0	22.34					
100	16QAM	1	1	22.16			24.1	0.5	
100	64QAM	1	1	20.78			22.6	2.0	
100	256QAM	1	1	18.64			20.6	4.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	22.83	22.86	22.88	24.6	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	22.89	22.96	22.88	24.6	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	23.01	22.89	22.79	24.6	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	22.78	22.88	22.74	24.6	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	22.95	22.84	22.73	24.6	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	22.87	22.88	22.78	24.6	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	22.83	22.87	22.80	24.6	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	23.01	22.97	22.74	24.6	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	22.82	22.94	22.90	24.6	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	22.85	22.92	22.95	24.6	0.0	

PC2 Part27Q n78 Ant7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	25.36					
100	PI/2 BPSK	1	137	25.43			27.1	0.0	
100	PI/2 BPSK	1	271	25.50					
100	PI/2 BPSK	135	0	24.84			26.6	0.5	
100	PI/2 BPSK	135	69	25.41			27.1	0.0	
100	PI/2 BPSK	135	138	24.95					
100	PI/2 BPSK	270	0	24.86			26.6	0.5	
100	QPSK	1	1	25.52					
100	QPSK	1	137	25.45			27.1	0.0	
100	QPSK	1	271	25.41					
100	QPSK	135	0	24.34			26.1	1.0	
100	QPSK	135	69	25.39			27.1	0.0	
100	QPSK	135	138	24.46					
100	QPSK	270	0	24.37			26.1	1.0	
100	16QAM	1	1	24.34			26.1	1.0	
100	64QAM	1	1	22.98			24.6	2.5	
100	256QAM	1	1	20.72			22.6	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	25.46	25.51	25.47	27.1	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	25.42	25.43	25.41	27.1	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	25.47	25.51	25.40	27.1	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	25.44	25.43	25.42	27.1	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	25.43	25.40	25.40	27.1	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	25.50	25.51	25.51	27.1	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	25.45	25.44	25.43	27.1	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	25.48	25.48	25.46	27.1	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	25.46	25.45	25.40	27.1	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	25.45	25.39	25.43	27.1	0.0	



PC3 Part270 n77 Ant8 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	14.88	15.04	14.96			
100	PI/2 BPSK	1	137	14.82	14.93	14.96	16.5	0.0	
100	PI/2 BPSK	1	271	14.73	14.77	14.69			
100	PI/2 BPSK	135	0	15.00	14.98	14.89	16.5	0.0	
100	PI/2 BPSK	135	69	14.92	14.94	14.93	16.5	0.0	
100	PI/2 BPSK	135	138	14.83	14.86	14.99			
100	PI/2 BPSK	270	0	14.92	14.77	15.12	16.5	0.0	
100	QPSK	1	1	15.09	15.13	15.06			
100	QPSK	1	137	14.81	14.84	14.77	16.5	0.0	
100	QPSK	1	271	14.89	14.75	14.78			
100	QPSK	135	0	14.85	14.95	14.86	16.5	0.0	
100	QPSK	135	69	14.97	15.08	15.01	16.5	0.0	
100	QPSK	135	138	15.07	15.01	15.04			
100	QPSK	270	0	14.95	15.05	14.91	16.5	0.0	
100	16QAM	1	1	14.87	14.85	14.88	16.5	0.0	
100	64QAM	1	1	14.91	14.98	14.84	16.5	0.0	
100	256QAM	1	1	14.95	14.94	14.81	16.5	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.09	14.92	15.06	16.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.10	14.98	15.02	16.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.03	15.00	14.89	16.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.05	14.94	14.87	16.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.90	15.01	14.89	16.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.88	14.97	14.93	16.5	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	14.99	14.91	15.05	16.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.08	15.06	15.06	16.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51			
15	QPSK	1	1	15.07	14.93	14.88	16.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	14.94	15.08	14.90	16.5	0.0	

PC2 Part270 n77 Ant8 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.04	18.00	18.09			
100	PI/2 BPSK	1	137	17.93	17.87	18.05	19.5	0.0	
100	PI/2 BPSK	1	271	17.97	17.79	17.84			
100	PI/2 BPSK	135	0	18.00	17.96	17.96	19.5	0.0	
100	PI/2 BPSK	135	69	18.09	18.15	18.09	19.5	0.0	
100	PI/2 BPSK	135	138	17.98	17.97	18.04			
100	PI/2 BPSK	270	0	17.99	17.79	18.18	19.5	0.0	
100	QPSK	1	1	18.19	18.20	18.17			
100	QPSK	1	137	17.92	17.87	17.76	19.5	0.0	
100	QPSK	1	271	18.07	17.95	17.84			
100	QPSK	135	0	17.94	18.03	18.02	19.5	0.0	
100	QPSK	135	69	18.06	18.15	18.04	19.5	0.0	
100	QPSK	135	138	18.08	18.10	18.02			
100	QPSK	270	0	18.02	18.09	17.98	19.5	0.0	
100	16QAM	1	1	18.04	17.91	17.92	19.5	0.0	
100	64QAM	1	1	18.10	18.03	18.04	19.5	0.0	
100	256QAM	1	1	18.05	18.05	18.00	19.5	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.06	18.00	18.16	19.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.98	18.16	17.95	19.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.09	18.08	18.15	19.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.08	18.00	18.09	19.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.14	18.02	17.97	19.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.16	18.12	18.06	19.5	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	18.05	18.08	19.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.04	18.15	18.15	19.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51			
15	QPSK	1	1	18.14	18.17	18.00	19.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.18	18.15	18.10	19.5	0.0	



PC3 Part27Q n77 Ant8 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.02				
100	PI/2 BPSK	1	137		14.89		16.5	0.0	
100	PI/2 BPSK	1	271		14.75				
100	PI/2 BPSK	135	0		14.93		16.5	0.0	
100	PI/2 BPSK	135	69		14.83		16.5	0.0	
100	PI/2 BPSK	135	138		14.72		16.5	0.0	
100	PI/2 BPSK	270	0		14.67				
100	QPSK	1	1		15.06				
100	QPSK	1	137		14.73		16.5	0.0	
100	QPSK	1	271		14.57				
100	QPSK	135	0		14.92		16.5	0.0	
100	QPSK	135	69		14.97		16.5	0.0	
100	QPSK	135	138		14.87		16.5	0.0	
100	QPSK	270	0		14.91				
100	16QAM	1	1		14.76		16.5	0.0	
100	64QAM	1	1		14.80		16.5	0.0	
100	256QAM	1	1		14.79		16.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		14.95	15.03	14.80	16.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		14.83	14.88	14.81	16.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		14.90	14.85	14.95	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		14.83	14.95	15.00	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		14.90	14.85	14.85	16.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		14.92	14.98	15.03	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		14.83	14.99	14.91	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		14.93	14.97	15.01	16.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		14.88	15.00	14.87	16.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		14.81	15.05	14.91	16.5	0.0

PC2 Part27Q n77 Ant8 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		17.75				
100	PI/2 BPSK	1	137		17.72		19.5	0.0	
100	PI/2 BPSK	1	271		17.70				
100	PI/2 BPSK	135	0		17.79		19.5	0.0	
100	PI/2 BPSK	135	69		17.81		19.5	0.0	
100	PI/2 BPSK	135	138		17.84		19.5	0.0	
100	PI/2 BPSK	270	0		17.60				
100	QPSK	1	1		17.95				
100	QPSK	1	137		17.80		19.5	0.0	
100	QPSK	1	271		17.66				
100	QPSK	135	0		17.81		19.5	0.0	
100	QPSK	135	69		17.82		19.5	0.0	
100	QPSK	135	138		17.83		19.5	0.0	
100	QPSK	270	0		17.91				
100	16QAM	1	1		17.74		19.5	0.0	
100	64QAM	1	1		17.74		19.5	0.0	
100	256QAM	1	1		17.94		19.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		17.87	17.91	17.69	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		17.87	17.94	17.83	19.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		17.72	17.85	17.80	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		17.86	17.84	17.77	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		17.69	17.83	17.82	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		17.88	17.90	17.83	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		17.73	17.75	17.90	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		17.89	17.92	17.72	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		17.91	17.77	17.88	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		17.61	17.88	17.69	19.5	0.0



PC3 Part270 n78 Ant8 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		15.79				
100	PI/2 BPSK	1	137		15.54		17.5	0.0	
100	PI/2 BPSK	1	271		15.76				
100	PI/2 BPSK	135	0		15.73		17.5	0.0	
100	PI/2 BPSK	135	69		15.84		17.5	0.0	
100	PI/2 BPSK	135	138		15.74		17.5	0.0	
100	PI/2 BPSK	270	0		15.64				
100	QPSK	1	1		15.96				
100	QPSK	1	137		15.74		17.5	0.0	
100	QPSK	1	271		15.60				
100	QPSK	135	0		15.74		17.5	0.0	
100	QPSK	135	69		15.91		17.5	0.0	
100	QPSK	135	138		15.72		17.5	0.0	
100	QPSK	270	0		15.88				
100	16QAM	1	1		15.77		17.5	0.0	
100	64QAM	1	1		15.72		17.5	0.0	
100	256QAM	1	1		15.76		17.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		15.86	15.77	15.82	17.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		15.84	15.74	15.87	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		15.80	15.88	15.87	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		15.76	15.85	15.66	17.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		15.82	15.82	15.88	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		15.85	15.89	15.77	17.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		15.69	15.88	15.70	17.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		15.81	15.93	15.78	17.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		15.69	15.93	15.86	17.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		15.80	15.87	15.83	17.5	0.0

PC2 Part270 n78 Ant8 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		18.79				
100	PI/2 BPSK	1	137		18.79		20.5	0.0	
100	PI/2 BPSK	1	271		18.76				
100	PI/2 BPSK	135	0		18.91		20.5	0.0	
100	PI/2 BPSK	135	69		18.81		20.5	0.0	
100	PI/2 BPSK	135	138		18.74		20.5	0.0	
100	PI/2 BPSK	270	0		18.87				
100	QPSK	1	1		18.92				
100	QPSK	1	137		18.77		20.5	0.0	
100	QPSK	1	271		18.80				
100	QPSK	135	0		18.82		20.5	0.0	
100	QPSK	135	69		18.87		20.5	0.0	
100	QPSK	135	138		18.75		20.5	0.0	
100	QPSK	270	0		18.82				
100	16QAM	1	1		18.85		20.5	0.0	
100	64QAM	1	1		18.70		20.5	0.0	
100	256QAM	1	1		18.82		20.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.87	18.87	18.79	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.79	18.77	18.79	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.91	18.86	18.67	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.72	18.72	18.63	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.74	18.87	18.58	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.80	18.84	18.57	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.83	18.84	18.73	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.72	18.71	18.59	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		18.72	18.82	18.74	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		18.74	18.78	18.58	20.5	0.0



PC3 Part27Q n78 Ant8 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		15.71				
100	PI/2 BPSK	1	137		15.71		17.5	0.0	
100	PI/2 BPSK	1	271		15.78				
100	PI/2 BPSK	135	0		15.80		17.5	0.0	
100	PI/2 BPSK	135	69		15.73		17.5	0.0	
100	PI/2 BPSK	135	138		15.75				
100	PI/2 BPSK	270	0		15.70		17.5	0.0	
100	QPSK	1	1		15.81				
100	QPSK	1	137		15.58		17.5	0.0	
100	QPSK	1	271		15.67				
100	QPSK	135	0		15.61		17.5	0.0	
100	QPSK	135	69		15.78		17.5	0.0	
100	QPSK	135	138		15.67				
100	QPSK	270	0		15.75		17.5	0.0	
100	16QAM	1	1		15.71		17.5	0.0	
100	64QAM	1	1		15.64		17.5	0.0	
100	256QAM	1	1		15.66		17.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		15.61	15.69	15.51	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		15.61	15.78	15.55	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		15.56	15.78	15.71	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		15.55	15.65	15.73	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		15.56	15.71	15.57	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		15.54	15.63	15.70	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		15.63	15.79	15.67	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		15.57	15.60	15.60	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		15.61	15.78	15.52	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		15.67	15.62	15.68	17.5	0.0

PC2 Part27Q n78 Ant8 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		18.79				
100	PI/2 BPSK	1	137		18.63		20.5	0.0	
100	PI/2 BPSK	1	271		18.85				
100	PI/2 BPSK	135	0		18.78		20.5	0.0	
100	PI/2 BPSK	135	69		18.68		20.5	0.0	
100	PI/2 BPSK	135	138		18.80				
100	PI/2 BPSK	270	0		18.84		20.5	0.0	
100	QPSK	1	1		18.88				
100	QPSK	1	137		18.66		20.5	0.0	
100	QPSK	1	271		18.80				
100	QPSK	135	0		18.60		20.5	0.0	
100	QPSK	135	69		18.85		20.5	0.0	
100	QPSK	135	138		18.66				
100	QPSK	270	0		18.76		20.5	0.0	
100	16QAM	1	1		18.80		20.5	0.0	
100	64QAM	1	1		18.71		20.5	0.0	
100	256QAM	1	1		18.70		20.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		18.70	18.76	18.68	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		18.63	18.68	18.57	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		18.65	18.75	18.66	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		18.67	18.79	18.54	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		18.73	18.87	18.54	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		18.77	18.79	18.74	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		18.60	18.70	18.69	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		18.64	18.75	18.65	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		18.64	18.72	18.73	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		18.67	18.85	18.55	20.5	0.0



PC3 Part270 n77 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	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.97	18.93	18.49			
100	PI/2 BPSK	1	137	18.93	18.94	18.61	20.0	0.0	
100	PI/2 BPSK	1	271	18.96	18.91	18.37			
100	PI/2 BPSK	135	0	18.61	18.95	18.27	20.0	0.0	
100	PI/2 BPSK	135	69	18.74	18.96	18.62	20.0	0.0	
100	PI/2 BPSK	135	138	19.00	19.07	18.61	20.0	0.0	
100	PI/2 BPSK	270	0	18.81	18.80	18.32			
100	QPSK	1	1	19.06	19.17	18.97			
100	QPSK	1	137	18.89	18.88	18.38	20.0	0.0	
100	QPSK	1	271	18.86	18.96	18.41			
100	QPSK	135	0	18.81	18.92	18.42	20.0	0.0	
100	QPSK	135	69	18.95	19.14	18.44	20.0	0.0	
100	QPSK	135	138	18.83	18.93	18.38	20.0	0.0	
100	QPSK	270	0	18.86	18.98	18.48			
100	16QAM	1	1	18.82	18.86	18.37	20.0	0.0	
100	64QAM	1	1	17.29	17.37	16.94	18.5	1.5	
100	256QAM	1	1	15.37	15.51	15.02	16.5	3.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.82	19.01	18.45	20.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.80	19.03	18.42	20.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.89	18.83	18.34	20.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.73	18.92	18.45	20.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.78	18.98	18.33	20.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.90	18.85	18.32	20.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.94	18.93	18.37	20.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.95	19.03	18.36	20.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.94	19.06	18.38	20.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.90	19.02	18.39	20.0	0.0	

PC2 Part270 n77 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	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	21.73	21.84	21.59			
100	PI/2 BPSK	1	137	21.91	21.94	21.56	23.0	0.0	
100	PI/2 BPSK	1	271	21.87	21.93	21.51			
100	PI/2 BPSK	135	0	21.23	21.31	21.12	22.5	0.5	
100	PI/2 BPSK	135	69	21.62	21.77	21.51	23.0	0.0	
100	PI/2 BPSK	135	138	21.20	21.30	21.10	22.5	0.5	
100	PI/2 BPSK	270	0	21.27	21.34	21.10			
100	QPSK	1	1	21.95	22.00	21.53			
100	QPSK	1	137	21.85	21.97	21.62	23.0	0.0	
100	QPSK	1	271	21.85	21.96	21.58			
100	QPSK	135	0	20.64	20.79	20.51	22.0	1.0	
100	QPSK	135	69	21.81	21.91	21.53	23.0	0.0	
100	QPSK	135	138	20.71	20.77	20.54	22.0	1.0	
100	QPSK	270	0	20.72	20.87	20.52			
100	16QAM	1	1	20.78	20.82	20.58	22.0	1.0	
100	64QAM	1	1	19.20	19.35	19.01	20.5	2.5	
100	256QAM	1	1	17.35	17.39	17.01	18.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	21.84	21.87	21.51	23.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	21.81	21.86	21.54	23.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	21.79	21.87	21.58	23.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	21.87	21.84	21.57	23.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	21.91	21.94	21.58	23.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.82	21.86	21.54	23.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	21.79	21.95	21.57	23.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	21.93	21.90	21.59	23.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	21.89	21.86	21.59	23.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	21.80	21.92	21.54	23.0	0.0	





PC3 Part27Q n77 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		18.83				
100	PI/2 BPSK	1	137		18.62		20.0	0.0	
100	PI/2 BPSK	1	271		18.78				
100	PI/2 BPSK	135	0		18.69		20.0	0.0	
100	PI/2 BPSK	135	69		18.66		20.0	0.0	
100	PI/2 BPSK	135	138		18.63		20.0	0.0	
100	PI/2 BPSK	270	0		18.73				
100	QPSK	1	1		18.95				
100	QPSK	1	137		18.88		20.0	0.0	
100	QPSK	1	271		18.77				
100	QPSK	135	0		18.78		20.0	0.0	
100	QPSK	135	69		18.87		20.0	0.0	
100	QPSK	135	138		18.83		20.0	0.0	
100	QPSK	270	0		18.91				
100	16QAM	1	1		18.86		20.0	0.0	
100	64QAM	1	1		17.19		18.5	1.5	
100	256QAM	1	1		15.30		16.5	3.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	20.0	0.0	
90	QPSK	1	1		18.89	18.62	18.72	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	20.0	0.0	
80	QPSK	1	1		18.85	18.82	18.70	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	20.0	0.0	
70	QPSK	1	1		18.89	18.74	18.83	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	20.0	0.0	
60	QPSK	1	1		18.88	18.77	18.65	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.0	0.0	
50	QPSK	1	1		18.86	18.68	18.70	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	20.0	0.0	
40	QPSK	1	1		18.72	18.71	18.63	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	20.0	0.0	
30	QPSK	1	1		18.84	18.85	18.88	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.0	0.0	
20	QPSK	1	1		18.74	18.63	18.62	20.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	20.0	0.0	
15	QPSK	1	1		18.71	18.76	18.68	20.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	20.0	0.0	
10	QPSK	1	1		18.72	18.69	18.67	20.0	0.0

PC2 Part27Q n77 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		21.83				
100	PI/2 BPSK	1	137		21.79		23.0	0.0	
100	PI/2 BPSK	1	271		21.87				
100	PI/2 BPSK	135	0		21.18		22.5	0.5	
100	PI/2 BPSK	135	69		21.83		23.0	0.0	
100	PI/2 BPSK	135	138		21.33		22.5	0.5	
100	PI/2 BPSK	270	0		21.25				
100	QPSK	1	1		21.92				
100	QPSK	1	137		21.89		23.0	0.0	
100	QPSK	1	271		21.87				
100	QPSK	135	0		20.95		22.0	1.0	
100	QPSK	135	69		21.85		23.0	0.0	
100	QPSK	135	138		20.85		22.0	1.0	
100	QPSK	270	0		21.03				
100	16QAM	1	1		20.93		22.0	1.0	
100	64QAM	1	1		19.21		20.5	2.5	
100	256QAM	1	1		17.36		18.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	23.0	0.0	
90	QPSK	1	1		21.84	21.77	21.82	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	23.0	0.0	
80	QPSK	1	1		21.76	21.77	21.80	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	23.0	0.0	
70	QPSK	1	1		21.79	21.81	21.84	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	23.0	0.0	
60	QPSK	1	1		21.79	21.79	21.79	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	23.0	0.0	
50	QPSK	1	1		21.83	21.84	21.88	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	23.0	0.0	
40	QPSK	1	1		21.84	21.88	21.80	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	23.0	0.0	
30	QPSK	1	1		21.81	21.89	21.82	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1		21.76	21.77	21.85	23.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	23.0	0.0	
15	QPSK	1	1		21.84	21.87	21.83	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	23.0	0.0	
10	QPSK	1	1		21.88	21.78	21.83	23.0	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	18.17					
100	PI/2 BPSK	1	137	18.22			19.5	0.0	
100	PI/2 BPSK	1	271	18.12					
100	PI/2 BPSK	135	0	18.09			19.5	0.0	
100	PI/2 BPSK	135	69	18.18			19.5	0.0	
100	PI/2 BPSK	135	138	18.07			19.5	0.0	
100	PI/2 BPSK	270	0	18.27					
100	QPSK	1	1	18.39					
100	QPSK	1	137	18.21			19.5	0.0	
100	QPSK	1	271	18.29					
100	QPSK	135	0	18.31			19.5	0.0	
100	QPSK	135	69	18.38			19.5	0.0	
100	QPSK	135	138	18.33			19.5	0.0	
100	QPSK	270	0	18.28					
100	16QAM	1	1	18.22			19.5	0.0	
100	64QAM	1	1	17.12			18.5	1.0	
100	256QAM	1	1	15.23			16.5	3.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	18.20	18.14	18.12	19.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	18.18	18.30	18.10	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	18.36	18.14	18.22	19.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	18.31	18.10	18.11	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	18.27	18.26	18.29	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	18.35	18.10	18.26	19.5	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	18.27	18.09	18.20	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	18.33	18.27	18.28	19.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	18.19	18.28	18.28	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	18.23	18.27	18.18	19.5	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	21.19					
100	PI/2 BPSK	1	137	21.18			22.5	0.0	
100	PI/2 BPSK	1	271	21.27					
100	PI/2 BPSK	135	0	21.11			22.5	0.0	
100	PI/2 BPSK	135	69	21.08			22.5	0.0	
100	PI/2 BPSK	135	138	21.22			22.5	0.0	
100	PI/2 BPSK	270	0	21.24					
100	QPSK	1	1	21.42					
100	QPSK	1	137	21.29			22.5	0.0	
100	QPSK	1	271	21.19					
100	QPSK	135	0	20.74			22.0	0.5	
100	QPSK	135	69	21.17			22.5	0.0	
100	QPSK	135	138	20.78			22.0	0.5	
100	QPSK	270	0	20.82					
100	16QAM	1	1	20.71			22.0	0.5	
100	64QAM	1	1	19.19			20.5	2.0	
100	256QAM	1	1	17.29			18.5	4.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	21.31	21.17	21.22	22.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	21.22	21.27	21.13	22.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	21.27	21.33	21.18	22.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	21.31	21.38	21.26	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	21.25	21.36	21.33	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.26	21.24	21.33	22.5	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	21.37	21.36	21.16	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	21.34	21.41	21.33	22.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	21.36	21.25	21.32	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	21.33	21.24	21.23	22.5	0.0	



PC3 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	18.12					
100	PI/2 BPSK	1	137	18.17			19.5	0.0	
100	PI/2 BPSK	1	271	18.10					
100	PI/2 BPSK	135	0	18.13			19.5	0.0	
100	PI/2 BPSK	135	69	18.10			19.5	0.0	
100	PI/2 BPSK	135	138	18.11					
100	PI/2 BPSK	270	0	18.24			19.5	0.0	
100	QPSK	1	1	18.37					
100	QPSK	1	137	18.14			19.5	0.0	
100	QPSK	1	271	18.24					
100	QPSK	135	0	18.16			19.5	0.0	
100	QPSK	135	69	18.32			19.5	0.0	
100	QPSK	135	138	18.30					
100	QPSK	270	0	18.25			19.5	0.0	
100	16QAM	1	1	18.15			19.5	0.0	
100	64QAM	1	1	17.23			18.5	1.0	
100	256QAM	1	1	15.20			16.5	3.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.20	18.09	18.18	19.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.13	18.13	18.23	19.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.14	18.20	18.05	19.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.07	18.12	18.14	19.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.26	18.15	18.05	19.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.10	18.14	18.08	19.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	18.24	18.04	18.22	19.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.17	18.01	18.20	19.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.17	18.05	18.15	19.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.10	18.17	18.20	19.5	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	21.12					
100	PI/2 BPSK	1	137	21.14			22.5	0.0	
100	PI/2 BPSK	1	271	21.10					
100	PI/2 BPSK	135	0	21.04			22.5	0.0	
100	PI/2 BPSK	135	69	21.12			22.5	0.0	
100	PI/2 BPSK	135	138	21.16					
100	PI/2 BPSK	270	0	21.18			22.5	0.0	
100	QPSK	1	1	21.26					
100	QPSK	1	137	21.15			22.5	0.0	
100	QPSK	1	271	21.04					
100	QPSK	135	0	20.86			22.0	0.5	
100	QPSK	135	69	21.26			22.5	0.0	
100	QPSK	135	138	20.76					
100	QPSK	270	0	20.92			22.0	0.5	
100	16QAM	1	1	20.75			22.0	0.5	
100	64QAM	1	1	19.10			20.5	2.0	
100	256QAM	1	1	17.14			18.5	4.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	21.18	21.03	21.11	22.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	21.16	21.08	21.21	22.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	21.17	21.01	21.21	22.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	21.11	21.05	21.11	22.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	21.08	21.10	21.21	22.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	21.12	21.05	21.12	22.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	21.09	21.11	21.16	22.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.07	21.13	21.18	22.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	21.08	21.09	21.24	22.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	21.18	21.05	21.09	22.5	0.0	



Reduced Power Mode for DSI5

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	25.07	25.12	25.05	25.7	0.0	
20	PI/2 BPSK	1	53	24.96	25.09	25.02			
20	PI/2 BPSK	1	104	24.92	25.04	24.93			
20	PI/2 BPSK	50	0	24.61	24.69	24.59	25.2	0.5	
20	PI/2 BPSK	50	28	25.01	25.15	25.04	25.7	0.0	
20	PI/2 BPSK	50	56	24.51	24.65	24.60	25.2	0.5	
20	PI/2 BPSK	100	0	24.57	24.67	24.61			
20	QPSK	1	1	25.10	25.18	25.06	25.7	0.0	
20	QPSK	1	53	24.98	25.11	25.03			
20	QPSK	1	104	24.72	24.81	24.70			
20	QPSK	50	0	24.09	24.21	24.09	24.7	1.0	
20	QPSK	50	28	25.12	25.16	25.11	25.7	0.0	
20	QPSK	50	56	24.15	24.19	24.06	24.7	1.0	
20	QPSK	100	0	24.08	24.15	24.09			
20	16QAM	1	1	23.87	23.94	23.88	24.7	1.0	
20	64QAM	1	1	22.37	22.45	22.39	23.2	2.5	
20	256QAM	1	1	20.73	20.78	20.71	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	25.01	25.05	24.96	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	25.06	25.03	24.96	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	25.00	25.13	24.92	25.7	0.0	

n7 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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	21.32	21.43	21.34	23.0	0.0	
40	PI/2 BPSK	1	108	21.33	21.41	21.36			
40	PI/2 BPSK	1	214	21.11	21.26	21.13			
40	PI/2 BPSK	1	214	21.11	21.26	21.13			
40	PI/2 BPSK	108	0	20.84	20.90	20.76	22.5	0.5	
40	PI/2 BPSK	108	54	21.27	21.33	21.27	23.0	0.0	
40	PI/2 BPSK	108	108	20.72	20.82	20.72	22.5	0.5	
40	PI/2 BPSK	216	0	20.73	20.86	20.76			
40	QPSK	1	1	21.39	21.45	21.37	23.0	0.0	
40	QPSK	1	108	21.30	21.34	21.24			
40	QPSK	1	214	21.19	21.24	21.17			
40	QPSK	108	0	20.35	20.42	20.28	22.0	1.0	
40	QPSK	108	54	21.27	21.40	21.27	23.0	0.0	
40	QPSK	108	108	20.31	20.37	20.26	22.0	1.0	
40	QPSK	216	0	20.34	20.41	20.36			
40	16QAM	1	1	20.43	20.54	20.46	22.0	1.0	
40	64QAM	1	1	18.67	18.78	18.66	20.5	2.5	
40	256QAM	1	1	17.11	17.15	17.07	18.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	23.0	0.0	
30	QPSK	1	1	21.29	21.32	21.27	23.0	0.0	
Channel				502900	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	23.0	0.0	
25	QPSK	1	1	21.27	21.37	21.30	23.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	23.0	0.0	
20	PI/2 BPSK	1	1	21.34	21.37	21.28	23.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	23.0	0.0	
15	QPSK	1	1	21.35	21.36	21.29	23.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	23.0	0.0	
10	QPSK	1	1	21.29	21.41	21.28	23.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	23.0	0.0	
5	QPSK	1	1	21.27	21.40	21.29	23.0	0.0	



n38 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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	21.79	21.87	21.75			
40	PI/2 BPSK	1	53	21.77	21.91	21.86	23.3	0.0	
40	PI/2 BPSK	1	104	21.87	21.90	21.79			
40	PI/2 BPSK	50	0	21.43	21.52	21.45	22.8	0.5	
40	PI/2 BPSK	50	28	21.79	21.86	21.74	23.3	0.0	
40	PI/2 BPSK	50	56	21.37	21.51	21.48			
40	PI/2 BPSK	100	0	21.39	21.49	21.42	22.8	0.5	
40	QPSK	1	1	21.87	21.96	21.82			
40	QPSK	1	53	21.87	21.93	21.81	23.3	0.0	
40	QPSK	1	104	21.87	21.90	21.86			
40	QPSK	50	0	20.91	21.02	20.95	22.3	1.0	
40	QPSK	50	28	21.89	21.92	21.84	23.3	0.0	
40	QPSK	50	56	20.91	21.04	21.00	22.3	1.0	
40	QPSK	100	0	20.86	20.97	20.84			
40	16QAM	1	1	20.85	20.93	20.84	22.3	1.0	
40	64QAM	1	1	19.22	19.33	19.23	20.8	2.5	
40	256QAM	1	1	17.48	17.62	17.55	18.8	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	23.3	0.0	
30	QPSK	1	1	21.84	21.87	21.74	23.3	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	23.3	0.0	
20	QPSK	1	1	21.79	21.92	21.73	23.3	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	23.3	0.0	
15	QPSK	1	1	21.76	21.85	21.75	23.3	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	23.3	0.0	
10	QPSK	1	1	21.76	21.89	21.67	23.3	0.0	

n41 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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.90	21.96	21.88			
100	PI/2 BPSK	1	137	21.73	21.87	21.84	23.3	0.0	
100	PI/2 BPSK	1	271	21.71	21.78	21.68			
100	PI/2 BPSK	135	0	21.26	21.39	21.34	22.8	0.5	
100	PI/2 BPSK	135	69	21.76	21.87	21.76	23.3	0.0	
100	PI/2 BPSK	135	138	21.27	21.30	21.20			
100	PI/2 BPSK	270	0	21.29	21.40	21.35	22.8	0.5	
100	QPSK	1	1	21.86	21.98	21.91			
100	QPSK	1	137	21.86	21.94	21.87	23.3	0.0	
100	QPSK	1	271	21.53	21.66	21.62			
100	QPSK	135	0	20.81	20.92	20.81	22.3	1.0	
100	QPSK	135	69	21.70	21.84	21.77	23.3	0.0	
100	QPSK	135	138	20.73	20.81	20.67			
100	QPSK	270	0	20.79	20.83	20.74	22.3	1.0	
100	16QAM	1	1	20.91	20.99	20.90	22.3	1.0	
100	64QAM	1	1	19.55	19.61	19.57	20.8	2.5	
100	256QAM	1	1	17.63	17.68	17.57	18.8	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	23.3	0.0	
90	QPSK	1	1	21.78	21.91	21.77	23.3	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	23.3	0.0	
80	QPSK	1	1	21.81	21.83	21.87	23.3	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	23.3	0.0	
70	QPSK	1	1	21.76	21.93	21.79	23.3	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	23.3	0.0	
60	QPSK	1	1	21.81	21.91	21.79	23.3	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	23.3	0.0	
50	QPSK	1	1	21.79	21.93	21.78	23.3	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	23.3	0.0	
40	QPSK	1	1	21.78	21.94	21.81	23.3	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	23.3	0.0	
30	QPSK	1	1	21.72	21.86	21.77	23.3	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	23.3	0.0	
20	QPSK	1	1	21.76	21.93	21.85	23.3	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	21.01	21.10	20.90	22.0	0.0	
20	PI/2 BPSK	1	53	21.05	21.07	21.06			
20	PI/2 BPSK	1	104	20.89	21.05	20.88			
20	PI/2 BPSK	50	0	20.99	21.09	21.06	22.0	0.0	
20	PI/2 BPSK	50	28	20.97	21.03	20.90	22.0	0.0	
20	PI/2 BPSK	50	56	20.99	21.06	21.03	22.0	0.0	
20	PI/2 BPSK	100	0	21.03	21.08	21.03			
20	QPSK	1	1	21.14	21.27	21.09			
20	QPSK	1	53	20.88	21.03	20.87	22.0	0.0	
20	QPSK	1	104	20.98	20.98	20.78			
20	QPSK	50	0	21.02	21.02	21.05			
20	QPSK	50	28	21.04	21.12	21.10	22.0	0.0	
20	QPSK	50	56	20.85	21.05	20.84	22.0	0.0	
20	QPSK	100	0	20.92	21.06	20.97			
20	16QAM	1	1	20.92	20.92	20.78			
20	64QAM	1	1	21.09	21.22	21.06	22.0	0.0	
20	256QAM	1	1	20.01	20.12	20.07	21.0	1.0	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	20.99	21.11	20.96	22.0	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	21.04	21.22	21.07	22.0	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	21.00	21.10	21.11	22.0	0.0	

n7 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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	16.43	16.57	16.57	17.0	0.0	
40	PI/2 BPSK	1	108	16.50	16.50	16.47			
40	PI/2 BPSK	1	214	16.34	16.40	16.21			
40	PI/2 BPSK	108	0	16.33	16.55	16.39	17.0	0.0	
40	PI/2 BPSK	108	54	16.24	16.40	16.37	17.0	0.0	
40	PI/2 BPSK	108	108	16.40	16.42	16.38	17.0	0.0	
40	PI/2 BPSK	216	0	16.42	16.50	16.50			
40	QPSK	1	1	16.60	16.61	16.58			
40	QPSK	1	108	16.43	16.54	16.47	17.0	0.0	
40	QPSK	1	214	16.49	16.52	16.38			
40	QPSK	108	0	16.50	16.55	16.49			
40	QPSK	108	54	16.56	16.60	16.54	17.0	0.0	
40	QPSK	108	108	16.43	16.50	16.46	17.0	0.0	
40	QPSK	216	0	16.44	16.54	16.46			
40	16QAM	1	1	16.56	16.60	16.42			
40	64QAM	1	1	16.58	16.60	16.51	17.0	0.0	
40	256QAM	1	1	16.41	16.57	16.54	17.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	16.41	16.54	16.56	17.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	16.41	16.45	16.37	17.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	16.45	16.45	16.41	17.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	16.54	16.47	16.51	17.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	16.40	16.58	16.60	17.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	16.48	16.45	16.39	17.0	0.0	



n38 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				518004	519000	519996			
Frequency (MHz)				2580.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.97	17.10	17.12	18.2	0.0	
40	PI/2 BPSK	1	53	16.75	16.93	16.86			
40	PI/2 BPSK	1	104	16.81	16.92	16.84			
40	PI/2 BPSK	50	0	16.78	16.99	16.78			
40	PI/2 BPSK	50	28	16.70	16.87	16.80	18.2	0.0	
40	PI/2 BPSK	50	56	16.67	16.87	16.75	18.2	0.0	
40	PI/2 BPSK	100	0	16.79	16.92	16.91			
40	QPSK	1	1	17.05	17.13	17.08	18.2	0.0	
40	QPSK	1	53	16.69	16.80	16.79			
40	QPSK	1	104	16.81	16.81	16.76			
40	QPSK	50	0	16.76	16.94	16.94			
40	QPSK	50	28	16.87	17.00	16.99	18.2	0.0	
40	QPSK	50	56	16.83	16.92	16.79	18.2	0.0	
40	QPSK	100	0	16.90	16.96	16.86			
40	16QAM	1	1	16.75	16.86	16.70	18.2	0.0	
40	64QAM	1	1	16.92	16.92	16.82	18.2	0.0	
40	256QAM	1	1	16.91	16.98	16.98	18.2	0.0	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	18.2	0.0	
30	QPSK	1	1	17.05	17.12	17.08	18.2	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	18.2	0.0	
20	QPSK	1	1	16.87	17.07	17.00	18.2	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	18.2	0.0	
15	QPSK	1	1	17.02	16.94	17.09	18.2	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	18.2	0.0	
10	QPSK	1	1	16.99	16.93	17.09	18.2	0.0	

n41 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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.89	16.95	16.75	18.2	0.0	
100	PI/2 BPSK	1	137	16.88	16.87	16.73			
100	PI/2 BPSK	1	271	16.76	16.76	16.65			
100	PI/2 BPSK	135	0	17.00	17.05	16.98			
100	PI/2 BPSK	135	69	16.99	17.00	16.82	18.2	0.0	
100	PI/2 BPSK	135	138	16.75	16.90	16.70	18.2	0.0	
100	PI/2 BPSK	270	0	16.86	16.95	16.84			
100	QPSK	1	1	16.98	17.15	17.05	18.2	0.0	
100	QPSK	1	137	16.86	16.99	16.79			
100	QPSK	1	271	16.66	16.86	16.85			
100	QPSK	135	0	16.86	16.99	16.92			
100	QPSK	135	69	17.01	17.14	17.11	18.2	0.0	
100	QPSK	135	138	16.79	16.93	16.94	18.2	0.0	
100	QPSK	270	0	16.80	17.00	16.96			
100	16QAM	1	1	16.69	16.86	16.83	18.2	0.0	
100	64QAM	1	1	16.93	17.11	17.06	18.2	0.0	
100	256QAM	1	1	16.98	17.11	17.06	18.2	0.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	18.2	0.0	
90	QPSK	1	1	16.91	17.08	17.01	18.2	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	18.2	0.0	
80	QPSK	1	1	16.79	17.02	17.06	18.2	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	18.2	0.0	
70	QPSK	1	1	16.76	17.11	16.83	18.2	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	18.2	0.0	
60	QPSK	1	1	16.87	17.03	16.95	18.2	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	18.2	0.0	
50	QPSK	1	1	16.84	16.96	16.89	18.2	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	18.2	0.0	
40	QPSK	1	1	16.79	17.10	16.96	18.2	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	18.2	0.0	
30	QPSK	1	1	16.94	17.13	17.01	18.2	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	18.2	0.0	
20	QPSK	1	1	16.84	17.12	16.96	18.2	0.0	

### n7 Ant2 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	20.60	20.81	20.64	21.2	0.0
40	PI/2 BPSK	1	108	20.74	20.85	20.70		
40	PI/2 BPSK	1	214	20.82	20.82	20.61		
40	PI/2 BPSK	108	0	20.85	20.87	20.74	21.2	0.0
40	PI/2 BPSK	108	54	20.71	20.79	20.71	21.2	0.0
40	PI/2 BPSK	108	108	20.70	20.78	20.72	21.2	0.0
40	PI/2 BPSK	216	0	20.87	20.87	20.81		
40	QPSK	1	1	20.73	20.93	20.71		
40	QPSK	1	108	20.66	20.80	20.66	21.2	0.0
40	QPSK	1	214	20.84	20.82	20.69		
40	QPSK	108	0	20.76	20.80	20.81		
40	QPSK	108	54	20.67	20.83	20.68	21.2	0.0
40	QPSK	108	108	20.70	20.82	20.67	21.2	0.0
40	QPSK	216	0	20.80	20.85	20.67		
40	16QAM	1	1	20.61	20.77	20.78		
40	64QAM	1	1	20.63	20.75	20.76	21.2	0.0
40	256QAM	1	1	19.60	19.74	19.71	20.2	1.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.59	20.87	20.70	21.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.65	20.84	20.62	21.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.67	20.81	20.51	21.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.56	20.81	20.63	21.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.61	20.73	20.54	21.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.59	20.79	20.60	21.2	0.0





n38 Ant2 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)				2580.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.86	20.90	20.87	21.2	0.0	
40	PI/2 BPSK	1	53	20.80	20.82	20.84			
40	PI/2 BPSK	1	104	20.77	20.83	20.71			
40	PI/2 BPSK	50	0	20.63	20.81	20.69	21.2	0.0	
40	PI/2 BPSK	50	28	20.72	20.78	20.80	21.2	0.0	
40	PI/2 BPSK	50	56	20.67	20.80	20.81	21.2	0.0	
40	PI/2 BPSK	100	0	20.83	20.82	20.67			
40	QPSK	1	1	20.90	20.94	20.92			
40	QPSK	1	53	20.54	20.70	20.71	21.2	0.0	
40	QPSK	1	104	20.56	20.71	20.62			
40	QPSK	50	0	20.69	20.82	20.75			
40	QPSK	50	28	20.78	20.86	20.77	21.2	0.0	
40	QPSK	50	56	20.71	20.80	20.80	21.2	0.0	
40	QPSK	100	0	20.70	20.78	20.63			
40	16QAM	1	1	20.57	20.63	20.42			
40	64QAM	1	1	20.93	20.62	20.80	21.2	0.0	
40	256QAM	1	1	20.69	20.84	20.76	21.2	0.0	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	20.69	20.74	20.71	21.2	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.71	20.92	20.87	21.2	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.82	20.75	20.91	21.2	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.77	20.89	20.87	21.2	0.0	

n41 Ant2 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	20.80	20.95	20.86	21.7	0.0	
100	PI/2 BPSK	1	137	20.73	20.82	20.74			
100	PI/2 BPSK	1	271	20.71	20.87	20.72			
100	PI/2 BPSK	135	0	21.03	21.06	20.96	21.7	0.0	
100	PI/2 BPSK	135	69	20.94	21.09	21.10	21.7	0.0	
100	PI/2 BPSK	135	138	20.88	21.08	21.09	21.7	0.0	
100	PI/2 BPSK	270	0	21.03	21.07	20.88			
100	QPSK	1	1	21.13	21.28	21.24			
100	QPSK	1	137	21.07	21.21	21.16	21.7	0.0	
100	QPSK	1	271	20.97	21.15	20.93			
100	QPSK	135	0	21.07	21.12	21.06			
100	QPSK	135	69	21.13	21.24	20.98	21.7	0.0	
100	QPSK	135	138	21.09	21.09	20.94	21.7	0.0	
100	QPSK	270	0	20.92	21.12	21.02			
100	16QAM	1	1	20.91	21.10	21.07			
100	64QAM	1	1	21.17	21.26	21.25	21.7	0.0	
100	256QAM	1	1	20.63	20.74	20.58	21.2	0.5	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.94	21.25	21.15	21.7	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	21.07	21.08	21.04	21.7	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.00	21.20	21.26	21.7	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.95	21.08	21.17	21.7	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.03	21.17	21.25	21.7	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.92	21.09	21.03	21.7	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.09	21.09	21.12	21.7	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.04	21.23	21.15	21.7	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	17.53	17.63	17.52	19.0	0.0
40	PI/2 BPSK	1	108	17.20	17.28	17.21		
40	PI/2 BPSK	1	214	17.16	17.25	17.21		
40	PI/2 BPSK	108	0	17.37	17.51	17.35	19.0	0.0
40	PI/2 BPSK	108	54	17.55	17.60	17.48	19.0	0.0
40	PI/2 BPSK	108	108	17.18	17.33	17.18	19.0	0.0
40	PI/2 BPSK	216	0	17.22	17.29	17.18	19.0	0.0
40	QPSK	1	1	17.60	17.65	17.64		
40	QPSK	1	108	17.42	17.51	17.38		
40	QPSK	1	214	17.20	17.37	17.26	19.0	0.0
40	QPSK	108	0	17.34	17.55	17.50		
40	QPSK	108	54	17.56	17.57	17.36		
40	QPSK	108	108	17.50	17.51	17.52	19.0	0.0
40	QPSK	216	0	17.41	17.43	17.21	19.0	0.0
40	16QAM	1	1	17.16	17.30	17.24		
40	64QAM	1	1	17.26	17.41	17.38		
40	256QAM	1	1	17.33	17.36	17.26	19.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.56	17.60	17.41	19.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.50	17.56	17.42	19.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.57	17.44	17.49	19.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.45	17.60	17.50	19.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.48	17.51	17.55	19.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.55	17.57	17.53	19.0	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	17.32	17.49	17.44	18.8	0.0	
40	PI/2 BPSK	1	53	17.40	17.40	17.22			
40	PI/2 BPSK	1	104	17.33	17.42	17.25			
40	PI/2 BPSK	50	0	17.44	17.42	17.39			
40	PI/2 BPSK	50	28	17.25	17.39	17.39			
40	PI/2 BPSK	50	56	17.23	17.38	17.39			
40	PI/2 BPSK	100	0	17.25	17.45	17.44			
40	QPSK	1	1	17.40	17.50	17.45			
40	QPSK	1	53	17.26	17.37	17.35			
40	QPSK	1	104	17.43	17.49	17.41			
40	QPSK	50	0	17.25	17.38	17.37	18.8	0.0	
40	QPSK	50	28	17.23	17.42	17.34	18.8	0.0	
40	QPSK	50	56	17.38	17.37	17.34	18.8	0.0	
40	QPSK	100	0	17.31	17.43	17.37	18.8	0.0	
40	16QAM	1	1	17.40	17.45	17.33	18.8	0.0	
40	64QAM	1	1	17.25	17.40	17.40	18.8	0.0	
40	256QAM	1	1	17.37	17.32	17.37	18.8	0.0	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	18.8	0.0	
30	QPSK	1	1	17.34	17.45	17.27	18.8	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	18.8	0.0	
20	QPSK	1	1	17.41	17.35	17.38	18.8	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	18.8	0.0	
15	QPSK	1	1	17.32	17.44	17.40	18.8	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	18.8	0.0	
10	QPSK	1	1	17.29	17.48	17.36	18.8	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	17.32	17.39	17.40	19.0	0.0	
100	PI/2 BPSK	1	137	17.44	17.46	17.42			
100	PI/2 BPSK	1	271	17.40	17.42	17.37			
100	PI/2 BPSK	135	0	17.41	17.49	17.35			
100	PI/2 BPSK	135	69	17.41	17.43	17.42			
100	PI/2 BPSK	135	138	17.41	17.42	17.40			
100	PI/2 BPSK	270	0	17.41	17.47	17.35			
100	QPSK	1	1	17.53	17.55	17.32			
100	QPSK	1	137	17.35	17.42	17.31			
100	QPSK	1	271	17.31	17.47	17.48			
100	QPSK	135	0	17.49	17.52	17.33	19.0	0.0	
100	QPSK	135	69	17.52	17.57	17.48	19.0	0.0	
100	QPSK	135	138	17.42	17.42	17.32	19.0	0.0	
100	QPSK	270	0	17.41	17.50	17.46	19.0	0.0	
100	16QAM	1	1	17.43	17.44	17.39	19.0	0.0	
100	64QAM	1	1	17.47	17.51	17.44	19.0	0.0	
100	256QAM	1	1	17.33	17.48	17.44	19.0	0.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	18.8	0.0	
90	QPSK	1	1	17.42	17.54	17.48	19.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	18.8	0.0	
80	QPSK	1	1	17.53	17.56	17.52	19.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	18.8	0.0	
70	QPSK	1	1	17.33	17.38	17.32	19.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	18.8	0.0	
60	QPSK	1	1	17.46	17.55	17.32	19.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	18.8	0.0	
50	QPSK	1	1	17.38	17.44	17.36	19.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	18.8	0.0	
40	QPSK	1	1	17.45	17.42	17.32	19.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	18.8	0.0	
30	QPSK	1	1	17.41	17.53	17.49	19.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	18.8	0.0	
20	QPSK	1	1	17.38	17.41	17.32	19.0	0.0	



PC3 Part270 n77 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.75	15.91	15.71			
100	PI/2 BPSK	1	137	15.75	15.76	15.58	17.0	0.0	
100	PI/2 BPSK	1	271	15.56	15.77	15.77			
100	PI/2 BPSK	135	0	15.70	15.77	15.71	17.0	0.0	
100	PI/2 BPSK	135	69	15.81	15.82	15.60	17.0	0.0	
100	PI/2 BPSK	135	138	15.45	15.64	15.61			
100	PI/2 BPSK	270	0	15.76	15.81	15.62	17.0	0.0	
100	QPSK	1	1	15.82	15.99	15.87			
100	QPSK	1	137	15.62	15.70	15.72	17.0	0.0	
100	QPSK	1	271	15.72	15.66	15.86			
100	QPSK	135	0	15.74	15.86	15.88	17.0	0.0	
100	QPSK	135	69	15.83	15.90	15.86	17.0	0.0	
100	QPSK	135	138	15.71	15.76	15.75	17.0	0.0	
100	QPSK	270	0	15.85	15.87	15.81			
100	16QAM	1	1	15.67	15.80	15.69	17.0	0.0	
100	64QAM	1	1	15.87	15.95	15.75	17.0	0.0	
100	256QAM	1	1	15.74	15.87	15.67	17.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.62	15.79	15.78	17.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.67	15.95	15.87	17.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.77	15.79	15.86	17.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.81	15.95	15.72	17.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.63	15.96	15.81	17.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.66	15.98	15.89	17.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.81	15.83	15.79	17.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.75	15.95	15.66	17.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51			
15	QPSK	1	1	15.77	15.87	15.75	17.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.61	15.87	15.87	17.0	0.0	

PC2 Part270 n77 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.62	18.87	18.53			
100	PI/2 BPSK	1	137	18.69	18.65	18.42	20.0	0.0	
100	PI/2 BPSK	1	271	18.47	18.61	18.63			
100	PI/2 BPSK	135	0	18.55	18.58	18.66	20.0	0.0	
100	PI/2 BPSK	135	69	18.75	18.71	18.51	20.0	0.0	
100	PI/2 BPSK	135	138	18.34	18.55	18.43			
100	PI/2 BPSK	270	0	18.73	18.77	18.56	20.0	0.0	
100	QPSK	1	1	18.79	18.95	18.82			
100	QPSK	1	137	18.46	18.56	18.52	20.0	0.0	
100	QPSK	1	271	18.59	18.53	18.72			
100	QPSK	135	0	18.67	18.69	18.76	20.0	0.0	
100	QPSK	135	69	18.84	18.88	18.83	20.0	0.0	
100	QPSK	135	138	18.64	18.60	18.75	20.0	0.0	
100	QPSK	270	0	18.81	18.86	18.83			
100	16QAM	1	1	18.65	18.74	18.53	20.0	0.0	
100	64QAM	1	1	18.72	18.77	18.56	20.0	0.0	
100	256QAM	1	1	18.61	18.78	18.50	20.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.66	18.84	18.75	20.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.76	18.83	18.82	20.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.65	18.90	18.80	20.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.61	18.82	18.82	20.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.72	18.88	18.65	20.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.64	18.74	18.62	20.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.69	18.92	18.81	20.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.78	18.93	18.71	20.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51			
15	QPSK	1	1	18.57	18.93	18.61	20.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.79	18.86	18.64	20.0	0.0	



PC3 Part27Q n77 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					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.70				
100	PI/2 BPSK	1	137		15.72		17.0	0.0	
100	PI/2 BPSK	1	271		15.76				
100	PI/2 BPSK	135	0		15.75		17.0	0.0	
100	PI/2 BPSK	135	69		15.69		17.0	0.0	
100	PI/2 BPSK	135	138		15.73				
100	PI/2 BPSK	270	0		15.79		17.0	0.0	
100	QPSK	1	1		15.81				
100	QPSK	1	137		15.63		17.0	0.0	
100	QPSK	1	271		15.63				
100	QPSK	135	0		15.71		17.0	0.0	
100	QPSK	135	69		15.79		17.0	0.0	
100	QPSK	135	138		15.77				
100	QPSK	270	0		15.75		17.0	0.0	
100	16QAM	1	1		15.62		17.0	0.0	
100	64QAM	1	1		15.74		17.0	0.0	
100	256QAM	1	1		15.61		17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	17.0	0.0	
90	QPSK	1	1		15.62	15.59	15.72	17.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	17.0	0.0	
80	QPSK	1	1		15.65	15.68	15.74	17.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	17.0	0.0	
70	QPSK	1	1		15.56	15.79	15.65	17.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	17.0	0.0	
60	QPSK	1	1		15.58	15.65	15.64	17.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	17.0	0.0	
50	QPSK	1	1		15.69	15.61	15.61	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	17.0	0.0	
40	QPSK	1	1		15.62	15.79	15.76	17.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	17.0	0.0	
30	QPSK	1	1		15.63	15.76	15.64	17.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	17.0	0.0	
20	QPSK	1	1		15.69	15.74	15.70	17.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	17.0	0.0	
15	QPSK	1	1		15.67	15.60	15.58	17.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	17.0	0.0	
10	QPSK	1	1		15.69	15.78	15.68	17.0	0.0

PC2 Part27Q n77 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					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.61				
100	PI/2 BPSK	1	137		18.68		20.0	0.0	
100	PI/2 BPSK	1	271		18.74				
100	PI/2 BPSK	135	0		18.65		20.0	0.0	
100	PI/2 BPSK	135	69		18.63		20.0	0.0	
100	PI/2 BPSK	135	138		18.68				
100	PI/2 BPSK	270	0		18.85		20.0	0.0	
100	QPSK	1	1		18.87				
100	QPSK	1	137		18.51		20.0	0.0	
100	QPSK	1	271		18.68				
100	QPSK	135	0		18.66		20.0	0.0	
100	QPSK	135	69		18.85		20.0	0.0	
100	QPSK	135	138		18.75				
100	QPSK	270	0		18.81		20.0	0.0	
100	16QAM	1	1		18.69		20.0	0.0	
100	64QAM	1	1		18.79		20.0	0.0	
100	256QAM	1	1		18.72		20.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	17.0	0.0	
90	QPSK	1	1		18.76	18.78	18.76	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	17.0	0.0	
80	QPSK	1	1		18.73	18.80	18.74	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	17.0	0.0	
70	QPSK	1	1		18.76	18.70	18.77	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	17.0	0.0	
60	QPSK	1	1		18.64	18.79	18.66	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	17.0	0.0	
50	QPSK	1	1		18.74	18.63	18.66	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	17.0	0.0	
40	QPSK	1	1		18.58	18.75	18.82	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	17.0	0.0	
30	QPSK	1	1		18.76	18.72	18.69	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	17.0	0.0	
20	QPSK	1	1		18.72	18.85	18.72	20.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	17.0	0.0	
15	QPSK	1	1		18.62	18.79	18.73	20.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	17.0	0.0	
10	QPSK	1	1		18.55	18.65	18.62	20.0	0.0



PC3 Part270 n78 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	16.25					
100	PI/2 BPSK	1	137	16.28			17.5	0.0	
100	PI/2 BPSK	1	271	16.30					
100	PI/2 BPSK	135	0	16.28			17.5	0.0	
100	PI/2 BPSK	135	69	16.30			17.5	0.0	
100	PI/2 BPSK	135	138	16.16					
100	PI/2 BPSK	270	0	16.21			17.5	0.0	
100	QPSK	1	1	16.32					
100	QPSK	1	137	16.26			17.5	0.0	
100	QPSK	1	271	16.28					
100	QPSK	135	0	16.23			17.5	0.0	
100	QPSK	135	69	16.30			17.5	0.0	
100	QPSK	135	138	16.23					
100	QPSK	270	0	16.25			17.5	0.0	
100	16QAM	1	1	16.22			17.5	0.0	
100	64QAM	1	1	16.24			17.5	0.0	
100	256QAM	1	1	16.30			17.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	16.24	16.13	16.12	17.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	16.19	16.28	16.11	17.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	16.16	16.15	16.05	17.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	16.18	16.29	16.19	17.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				16.18	16.29	16.08			
50	QPSK	1	1	16.08	16.30	16.23	17.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.13	16.30	16.15	17.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	16.28	16.20	16.23	17.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	16.13	16.28	16.25	17.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.51			
15	QPSK	1	1	16.12	16.27	16.05	17.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	16.13	16.28	16.22	17.5	0.0	

PC2 Part270 n78 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	19.31					
100	PI/2 BPSK	1	137	19.37			20.5	0.0	
100	PI/2 BPSK	1	271	19.21					
100	PI/2 BPSK	135	0	19.22			20.5	0.0	
100	PI/2 BPSK	135	69	19.37			20.5	0.0	
100	PI/2 BPSK	135	138	19.10					
100	PI/2 BPSK	270	0	19.28			20.5	0.0	
100	QPSK	1	1	19.40					
100	QPSK	1	137	19.36			20.5	0.0	
100	QPSK	1	271	19.27					
100	QPSK	135	0	19.13			20.5	0.0	
100	QPSK	135	69	19.35			20.5	0.0	
100	QPSK	135	138	19.29					
100	QPSK	270	0	19.32			20.5	0.0	
100	16QAM	1	1	19.24			20.5	0.0	
100	64QAM	1	1	19.25			20.5	0.0	
100	256QAM	1	1	19.35			20.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	19.30	19.21	19.27	20.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	19.13	19.25	19.23	20.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	19.21	19.32	19.14	20.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	19.26	19.39	19.19	20.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	19.31	19.34	19.10	20.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	19.29	19.27	19.17	20.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	19.15	19.22	19.17	20.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	19.24	19.25	19.22	20.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.51			
15	QPSK	1	1	19.26	19.18	19.32	20.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	19.20	19.29	19.30	20.5	0.0	



PC3 Part27Q n78 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					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		16.10				
100	PI/2 BPSK	1	137		16.08		17.5	0.0	
100	PI/2 BPSK	1	271		16.10				
100	PI/2 BPSK	135	0		16.12		17.5	0.0	
100	PI/2 BPSK	135	69		16.19		17.5	0.0	
100	PI/2 BPSK	135	138		16.00				
100	PI/2 BPSK	270	0		16.03		17.5	0.0	
100	QPSK	1	1		16.28				
100	QPSK	1	137		16.16		17.5	0.0	
100	QPSK	1	271		16.26				
100	QPSK	135	0		16.20		17.5	0.0	
100	QPSK	135	69		16.25		17.5	0.0	
100	QPSK	135	138		16.07		17.5	0.0	
100	QPSK	270	0		16.19				
100	16QAM	1	1		16.16		17.5	0.0	
100	64QAM	1	1		16.13		17.5	0.0	
100	256QAM	1	1		16.20		17.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		16.18	16.20	16.00	17.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		16.03	16.11	16.05	17.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		16.22	16.06	16.16	17.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		16.09	16.10	16.12	17.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		16.07	16.17	16.03	17.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		16.02	16.21	16.04	17.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		16.01	16.13	16.21	17.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		16.18	16.10	16.01	17.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		16.06	16.13	16.19	17.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		16.17	16.24	16.01	17.5	0.0

PC2 Part27Q n78 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					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.06				
100	PI/2 BPSK	1	137		19.13		20.5	0.0	
100	PI/2 BPSK	1	271		19.00				
100	PI/2 BPSK	135	0		19.14		20.5	0.0	
100	PI/2 BPSK	135	69		19.20		20.5	0.0	
100	PI/2 BPSK	135	138		19.10				
100	PI/2 BPSK	270	0		19.05		20.5	0.0	
100	QPSK	1	1		19.25				
100	QPSK	1	137		19.19		20.5	0.0	
100	QPSK	1	271		19.19				
100	QPSK	135	0		19.15		20.5	0.0	
100	QPSK	135	69		19.23		20.5	0.0	
100	QPSK	135	138		19.06				
100	QPSK	270	0		19.21				
100	16QAM	1	1		19.22		20.5	0.0	
100	64QAM	1	1		19.06		20.5	0.0	
100	256QAM	1	1		19.08		20.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		19.07	19.06	19.17	20.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		19.23	19.09	19.16	20.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		19.18	19.05	19.15	20.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		19.10	19.11	19.18	20.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		19.11	19.08	19.20	20.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		19.10	19.23	19.15	20.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		19.21	19.04	19.10	20.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		19.14	19.19	19.13	20.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		19.13	19.04	19.14	20.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		19.01	19.19	19.06	20.5	0.0



PC3 Part270 n77 Ant7 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	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.40	15.53	15.29			
100	PI/2 BPSK	1	137	15.21	15.48	15.20	17.1	0.0	
100	PI/2 BPSK	1	271	15.32	15.56	15.25			
100	PI/2 BPSK	135	0	15.37	15.28	15.28	17.1	0.0	
100	PI/2 BPSK	135	69	15.55	15.51	15.26	17.1	0.0	
100	PI/2 BPSK	135	138	15.25	15.49	15.29			
100	PI/2 BPSK	270	0	15.22	15.31	15.27	17.1	0.0	
100	QPSK	1	1	15.57	15.73	15.48			
100	QPSK	1	137	15.29	15.46	15.38	17.1	0.0	
100	QPSK	1	271	15.44	15.53	15.52			
100	QPSK	135	0	15.13	15.16	15.17	17.1	0.0	
100	QPSK	135	69	15.59	15.68	15.52	17.1	0.0	
100	QPSK	135	138	15.21	15.14	15.12	17.1	0.0	
100	QPSK	270	0	15.14	15.37	15.17			
100	16QAM	1	1	15.46	15.31	15.23	17.1	0.0	
100	64QAM	1	1	15.27	15.31	15.27	17.1	0.0	
100	256QAM	1	1	15.45	15.50	15.54	17.1	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.37	15.57	15.42	17.1	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.51	15.55	15.39	17.1	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.48	15.71	15.36	17.1	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.49	15.66	15.32	17.1	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.38	15.57	15.37	17.1	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.40	15.68	15.31	17.1	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.48	15.58	15.31	17.1	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.54	15.66	15.29	17.1	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.42	15.70	15.42	17.1	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.57	15.67	15.48	17.1	0.0	

PC2 Part270 n77 Ant7 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	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.50	18.46	18.30			
100	PI/2 BPSK	1	137	18.25	18.39	18.18	20.1	0.0	
100	PI/2 BPSK	1	271	18.31	18.53	18.32			
100	PI/2 BPSK	135	0	18.43	18.24	18.34	20.1	0.0	
100	PI/2 BPSK	135	69	18.50	18.60	18.26	20.1	0.0	
100	PI/2 BPSK	135	138	18.23	18.52	18.33			
100	PI/2 BPSK	270	0	18.18	18.38	18.23	20.1	0.0	
100	QPSK	1	1	18.51	18.79	18.57			
100	QPSK	1	137	18.20	18.45	18.40	20.1	0.0	
100	QPSK	1	271	18.47	18.67	18.64			
100	QPSK	135	0	18.25	18.16	18.27	20.1	0.0	
100	QPSK	135	69	18.65	18.71	18.45	20.1	0.0	
100	QPSK	135	138	18.17	18.23	18.22	20.1	0.0	
100	QPSK	270	0	18.24	18.28	18.14			
100	16QAM	1	1	18.52	18.31	18.26	20.1	0.0	
100	64QAM	1	1	18.33	18.26	18.30	20.1	0.0	
100	256QAM	1	1	18.59	18.51	18.55	20.1	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.53	18.56	18.37	20.1	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.52	18.61	18.45	20.1	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.45	18.61	18.52	20.1	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.50	18.62	18.30	20.1	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.55	18.66	18.37	20.1	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.55	18.68	18.52	20.1	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.58	18.61	18.47	20.1	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.57	18.63	18.38	20.1	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.45	18.66	18.48	20.1	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.58	18.65	18.51	20.1	0.0	





PC3 Part27Q n77 Ant7 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				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
100	PI/2 BPSK	1	1	15.59			17.1	0.0	
100	PI/2 BPSK	1	137	15.56					
100	PI/2 BPSK	1	271	15.60					
100	PI/2 BPSK	135	0	15.53			17.1	0.0	
100	PI/2 BPSK	135	69	15.60			17.1	0.0	
100	PI/2 BPSK	135	138	15.63					
100	PI/2 BPSK	270	0	15.58			17.1	0.0	
100	QPSK	1	1	15.64					
100	QPSK	1	137	15.47			17.1	0.0	
100	QPSK	1	271	15.54					
100	QPSK	135	0	15.47			17.1	0.0	
100	QPSK	135	69	15.51			17.1	0.0	
100	QPSK	135	138	15.42					
100	QPSK	270	0	15.53			17.1	0.0	
100	16QAM	1	1	15.39			17.1	0.0	
100	64QAM	1	1	15.41			17.1	0.0	
100	256QAM	1	1	15.56			17.1	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	15.62	15.56	15.61	17.1	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	15.45	15.54	15.63	17.1	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	15.50	15.59	15.62	17.1	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	15.48	15.43	15.58	17.1	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	15.56	15.53	15.48	17.1	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	15.42	15.58	15.50	17.1	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	15.59	15.42	15.51	17.1	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	15.50	15.44	15.48	17.1	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	15.53	15.41	15.58	17.1	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	15.49	15.43	15.45	17.1	0.0	

PC2 Part27Q n77 Ant7 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				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
100	PI/2 BPSK	1	1	18.52			20.1	0.0	
100	PI/2 BPSK	1	137	18.45					
100	PI/2 BPSK	1	271	18.46					
100	PI/2 BPSK	135	0	18.44			20.1	0.0	
100	PI/2 BPSK	135	69	18.64			20.1	0.0	
100	PI/2 BPSK	135	138	18.61					
100	PI/2 BPSK	270	0	18.58			20.1	0.0	
100	QPSK	1	1	18.67					
100	QPSK	1	137	18.46			20.1	0.0	
100	QPSK	1	271	18.51					
100	QPSK	135	0	15.44			20.1	0.0	
100	QPSK	135	69	18.53			20.1	0.0	
100	QPSK	135	138	18.49					
100	QPSK	270	0	18.43			20.1	0.0	
100	16QAM	1	1	18.29			20.1	0.0	
100	64QAM	1	1	18.30			20.1	0.0	
100	256QAM	1	1	18.29			20.1	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	18.37	18.29	18.23	20.1	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	18.36	18.14	18.25	20.1	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	18.29	18.22	18.21	20.1	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	18.40	18.38	18.24	20.1	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	18.43	18.33	18.24	20.1	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	18.40	18.14	18.30	20.1	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	18.33	18.33	18.27	20.1	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	18.29	18.34	18.20	20.1	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	18.31	18.22	18.43	20.1	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	18.34	18.34	18.21	20.1	0.0	



PC3 Part270 n78 Ant7 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		15.46				
100	PI/2 BPSK	1	137		15.32		17.1	0.0	
100	PI/2 BPSK	1	271		15.25				
100	PI/2 BPSK	135	0		15.38		17.1	0.0	
100	PI/2 BPSK	135	69		15.33		17.1	0.0	
100	PI/2 BPSK	135	138		15.51				
100	PI/2 BPSK	270	0		15.40		17.1	0.0	
100	QPSK	1	1		15.53				
100	QPSK	1	137		15.35		17.1	0.0	
100	QPSK	1	271		15.25				
100	QPSK	135	0		15.20		17.1	0.0	
100	QPSK	135	69		15.47		17.1	0.0	
100	QPSK	135	138		15.30		17.1	0.0	
100	QPSK	270	0		15.43				
100	16QAM	1	1		15.51		17.1	0.0	
100	64QAM	1	1		15.41		17.1	0.0	
100	256QAM	1	1		15.26		17.1	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		15.32	15.23	15.31	17.1	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		15.24	15.24	15.24	17.1	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		15.21	15.31	15.29	17.1	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		15.22	15.23	15.20	17.1	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		15.24	15.17	15.18	17.1	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		15.27	15.35	15.20	17.1	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		15.38	15.19	15.40	17.1	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		15.35	15.22	15.30	17.1	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		15.21	15.31	15.34	17.1	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		15.28	15.24	15.22	17.1	0.0

PC2 Part270 n78 Ant7 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		18.33				
100	PI/2 BPSK	1	137		18.22		20.1	0.0	
100	PI/2 BPSK	1	271		18.18				
100	PI/2 BPSK	135	0		18.32		20.1	0.0	
100	PI/2 BPSK	135	69		18.30		20.1	0.0	
100	PI/2 BPSK	135	138		18.50				
100	PI/2 BPSK	270	0		18.39		20.1	0.0	
100	QPSK	1	1		18.61				
100	QPSK	1	137		18.37		20.1	0.0	
100	QPSK	1	271		18.17				
100	QPSK	135	0		18.16		20.1	0.0	
100	QPSK	135	69		18.38		20.1	0.0	
100	QPSK	135	138		18.15		20.1	0.0	
100	QPSK	270	0		18.49				
100	16QAM	1	1		18.41		20.1	0.0	
100	64QAM	1	1		18.20		20.1	0.0	
100	256QAM	1	1		18.16		20.1	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		18.31	18.15	18.18	20.1	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		18.27	18.11	18.21	20.1	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		18.18	18.13	18.25	20.1	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		18.16	18.13	18.19	20.1	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		18.14	18.17	18.24	20.1	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		18.31	18.19	18.15	20.1	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		18.17	18.12	18.13	20.1	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		18.33	18.22	18.18	20.1	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		18.20	18.19	18.30	20.1	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		18.13	18.20	18.23	20.1	0.0



PC3 Part27Q n78 Ant7 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	15.55	15.55		17.1	0.0	
100	PI/2 BPSK	1	137	15.61	15.61				
100	PI/2 BPSK	1	271	15.55	15.55				
100	PI/2 BPSK	135	0	15.63	15.63		17.1	0.0	
100	PI/2 BPSK	135	69	15.53	15.53		17.1	0.0	
100	PI/2 BPSK	135	138	15.44	15.44		17.1	0.0	
100	PI/2 BPSK	270	0	15.47	15.47				
100	QPSK	1	1	15.68	15.68		17.1	0.0	
100	QPSK	1	137	15.65	15.65				
100	QPSK	1	271	15.29	15.29				
100	QPSK	135	0	15.50	15.50		17.1	0.0	
100	QPSK	135	69	15.58	15.58		17.1	0.0	
100	QPSK	135	138	15.46	15.46		17.1	0.0	
100	QPSK	270	0	15.60	15.60				
100	16QAM	1	1	15.29	15.29		17.1	0.0	
100	64QAM	1	1	15.54	15.54		17.1	0.0	
100	256QAM	1	1	15.37	15.37		17.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.32	15.31	15.30	17.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.51	15.27	15.42	17.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.31	15.37	15.37	17.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.41	15.42	15.40	17.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.42	15.34	15.45	17.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.35	15.32	15.28	17.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.34	15.28	15.42	17.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.33	15.28	15.32	17.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.46	15.46	15.28	17.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.34	15.42	15.33	17.1	0.0	

PC2 Part27Q n78 Ant7 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	18.50	18.50		20.1	0.0	
100	PI/2 BPSK	1	137	18.54	18.54				
100	PI/2 BPSK	1	271	18.51	18.51				
100	PI/2 BPSK	135	0	18.53	18.53		20.1	0.0	
100	PI/2 BPSK	135	69	18.53	18.53		20.1	0.0	
100	PI/2 BPSK	135	138	18.50	18.50		20.1	0.0	
100	PI/2 BPSK	270	0	18.52	18.52				
100	QPSK	1	1	18.56	18.56		20.1	0.0	
100	QPSK	1	137	18.52	18.52				
100	QPSK	1	271	18.39	18.39				
100	QPSK	135	0	18.49	18.49		20.1	0.0	
100	QPSK	135	69	18.52	18.52		20.1	0.0	
100	QPSK	135	138	18.50	18.50		20.1	0.0	
100	QPSK	270	0	18.49	18.49				
100	16QAM	1	1	18.36	18.36		20.1	0.0	
100	64QAM	1	1	18.53	18.53		20.1	0.0	
100	256QAM	1	1	18.28	18.28		20.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.33	18.28	18.12	20.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.23	18.31	18.13	20.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.31	18.32	18.14	20.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.15	18.30	18.16	20.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.33	18.20	18.30	20.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.22	18.14	18.14	20.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.33	18.19	18.23	20.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.25	18.25	18.19	20.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.26	18.17	18.13	20.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.25	18.23	18.31	20.1	0.0	



PC3 Part270 n77 Ant8 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	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	14.88	15.04	14.96	16.5	0.0	
100	PI/2 BPSK	1	137	14.82	14.93	14.96			
100	PI/2 BPSK	1	271	14.73	14.77	14.69			
100	PI/2 BPSK	135	0	15.00	14.98	14.89			
100	PI/2 BPSK	135	69	14.92	14.94	14.93			
100	PI/2 BPSK	135	138	14.83	14.86	14.99			
100	PI/2 BPSK	270	0	14.92	14.77	15.12			
100	QPSK	1	1	15.09	15.13	15.06			
100	QPSK	1	137	14.81	14.84	14.77			
100	QPSK	1	271	14.89	14.75	14.78			
100	QPSK	135	0	14.85	14.95	14.86			
100	QPSK	135	69	14.97	15.08	15.01			
100	QPSK	135	138	15.07	15.01	15.04			
100	QPSK	270	0	14.95	15.05	14.91			
100	16QAM	1	1	14.87	14.85	14.88	16.5	0.0	
100	64QAM	1	1	14.91	14.98	14.84	16.5	0.0	
100	256QAM	1	1	14.95	14.94	14.81	16.5	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.09	14.92	15.06	16.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.10	14.98	15.02	16.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.03	15.00	14.89	16.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.05	14.94	14.87	16.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.90	15.01	14.89	16.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.88	14.97	14.93	16.5	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	14.99	14.91	15.05	16.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.08	15.06	15.06	16.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.07	14.93	14.88	16.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	14.94	15.08	14.90	16.5	0.0	

PC2 Part270 n77 Ant8 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	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.04	18.00	18.09	19.5	0.0	
100	PI/2 BPSK	1	137	17.93	17.87	18.05			
100	PI/2 BPSK	1	271	17.97	17.79	17.84			
100	PI/2 BPSK	135	0	18.00	17.96	17.96			
100	PI/2 BPSK	135	69	18.09	18.15	18.09			
100	PI/2 BPSK	135	138	17.98	17.97	18.04			
100	PI/2 BPSK	270	0	17.99	17.79	18.18			
100	QPSK	1	1	18.19	18.20	18.17			
100	QPSK	1	137	17.92	17.87	17.76			
100	QPSK	1	271	18.07	17.95	17.84			
100	QPSK	135	0	17.94	18.03	18.02			
100	QPSK	135	69	18.06	18.15	18.04			
100	QPSK	135	138	18.08	18.10	18.02			
100	QPSK	270	0	18.02	18.09	17.98			
100	16QAM	1	1	18.04	17.91	17.92	19.5	0.0	
100	64QAM	1	1	18.10	18.03	18.04	19.5	0.0	
100	256QAM	1	1	18.05	18.05	18.00	19.5	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.06	18.00	18.16	19.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.98	18.16	17.95	19.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.09	18.08	18.15	19.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.08	18.00	18.09	19.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.14	18.02	17.97	19.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.16	18.12	18.06	19.5	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	18.05	18.08	19.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.04	18.15	18.15	19.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.14	18.17	18.00	19.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.18	18.15	18.10	19.5	0.0	



PC3 Part27Q n77 Ant8 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		15.02				
100	PI/2 BPSK	1	137		14.89		16.5	0.0	
100	PI/2 BPSK	1	271		14.75				
100	PI/2 BPSK	135	0		14.93		16.5	0.0	
100	PI/2 BPSK	135	69		14.83		16.5	0.0	
100	PI/2 BPSK	135	138		14.72		16.5	0.0	
100	PI/2 BPSK	270	0		14.67				
100	QPSK	1	1		15.06				
100	QPSK	1	137		14.73		16.5	0.0	
100	QPSK	1	271		14.57				
100	QPSK	135	0		14.92		16.5	0.0	
100	QPSK	135	69		14.97		16.5	0.0	
100	QPSK	135	138		14.87		16.5	0.0	
100	QPSK	270	0		14.91				
100	16QAM	1	1		14.76		16.5	0.0	
100	64QAM	1	1		14.80		16.5	0.0	
100	256QAM	1	1		14.79		16.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	16.5	0.0	
90	QPSK	1	1		14.95	15.03	14.80	16.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	16.5	0.0	
80	QPSK	1	1		14.83	14.88	14.81	16.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	16.5	0.0	
70	QPSK	1	1		14.90	14.85	14.95	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	16.5	0.0	
60	QPSK	1	1		14.83	14.95	15.00	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	16.5	0.0	
50	QPSK	1	1		14.90	14.85	14.85	16.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	16.5	0.0	
40	QPSK	1	1		14.92	14.98	15.03	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	16.5	0.0	
30	QPSK	1	1		14.83	14.99	14.91	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	16.5	0.0	
20	QPSK	1	1		14.93	14.97	15.01	16.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	16.5	0.0	
15	QPSK	1	1		14.88	15.00	14.87	16.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	16.5	0.0	
10	QPSK	1	1		14.81	15.05	14.91	16.5	0.0

PC2 Part27Q n77 Ant8 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		17.75				
100	PI/2 BPSK	1	137		17.72		19.5	0.0	
100	PI/2 BPSK	1	271		17.70				
100	PI/2 BPSK	135	0		17.79		19.5	0.0	
100	PI/2 BPSK	135	69		17.81		19.5	0.0	
100	PI/2 BPSK	135	138		17.84		19.5	0.0	
100	PI/2 BPSK	270	0		17.60				
100	QPSK	1	1		17.95				
100	QPSK	1	137		17.60		19.5	0.0	
100	QPSK	1	271		17.66				
100	QPSK	135	0		17.81		19.5	0.0	
100	QPSK	135	69		17.82		19.5	0.0	
100	QPSK	135	138		17.83		19.5	0.0	
100	QPSK	270	0		17.91				
100	16QAM	1	1		17.74		19.5	0.0	
100	64QAM	1	1		17.74		19.5	0.0	
100	256QAM	1	1		17.94		19.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	19.5	0.0	
90	QPSK	1	1		17.87	17.91	17.69	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	19.5	0.0	
80	QPSK	1	1		17.87	17.94	17.83	19.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	19.5	0.0	
70	QPSK	1	1		17.72	17.85	17.80	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	19.5	0.0	
60	QPSK	1	1		17.86	17.84	17.77	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	19.5	0.0	
50	QPSK	1	1		17.69	17.83	17.82	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	19.5	0.0	
40	QPSK	1	1		17.88	17.90	17.83	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	19.5	0.0	
30	QPSK	1	1		17.73	17.75	17.90	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	19.5	0.0	
20	QPSK	1	1		17.89	17.92	17.72	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	19.5	0.0	
15	QPSK	1	1		17.91	17.77	17.88	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	19.5	0.0	
10	QPSK	1	1		17.61	17.88	17.69	19.5	0.0



PC3 Part270 n78 Ant8 DSIS									
BW [MHz]	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		15.79				
100	PI/2 BPSK	1	137		15.54		17.5	0.0	
100	PI/2 BPSK	1	271		15.76				
100	PI/2 BPSK	135	0		15.73		17.5	0.0	
100	PI/2 BPSK	135	69		15.84		17.5	0.0	
100	PI/2 BPSK	135	138		15.74				
100	PI/2 BPSK	270	0		15.64		17.5	0.0	
100	QPSK	1	1		15.96				
100	QPSK	1	137		15.74		17.5	0.0	
100	QPSK	1	271		15.60				
100	QPSK	135	0		15.74		17.5	0.0	
100	QPSK	135	69		15.91		17.5	0.0	
100	QPSK	135	138		15.72				
100	QPSK	270	0		15.88		17.5	0.0	
100	16QAM	1	1		15.77		17.5	0.0	
100	64QAM	1	1		15.72		17.5	0.0	
100	256QAM	1	1		15.76		17.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		15.86	15.77	15.82	17.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		15.84	15.74	15.87	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		15.80	15.88	15.87	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		15.76	15.85	15.66	17.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		15.82	15.82	15.88	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		15.85	15.89	15.77	17.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		15.69	15.88	15.70	17.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		15.81	15.93	15.78	17.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		15.69	15.93	15.86	17.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		15.80	15.87	15.83	17.5	0.0

PC2 Part270 n78 Ant8 DSIS									
BW [MHz]	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		18.79				
100	PI/2 BPSK	1	137		18.79		20.5	0.0	
100	PI/2 BPSK	1	271		18.76				
100	PI/2 BPSK	135	0		18.91		20.5	0.0	
100	PI/2 BPSK	135	69		18.81		20.5	0.0	
100	PI/2 BPSK	135	138		18.74				
100	PI/2 BPSK	270	0		18.87		20.5	0.0	
100	QPSK	1	1		18.92				
100	QPSK	1	137		18.77		20.5	0.0	
100	QPSK	1	271		18.80				
100	QPSK	135	0		18.82		20.5	0.0	
100	QPSK	135	69		18.87		20.5	0.0	
100	QPSK	135	138		18.72				
100	QPSK	270	0		18.82		20.5	0.0	
100	16QAM	1	1		18.85		20.5	0.0	
100	64QAM	1	1		18.70		20.5	0.0	
100	256QAM	1	1		18.82		20.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.87	18.87	18.79	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.79	18.77	18.79	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.91	18.86	18.67	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.72	18.72	18.63	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.74	18.87	18.58	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.80	18.84	18.57	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.83	18.84	18.73	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.72	18.71	18.59	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		18.72	18.82	18.74	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		18.74	18.78	18.58	20.5	0.0



PC3 Part27Q n78 Ant8 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	15.71	15.71				
100	PI/2 BPSK	1	137	15.71			17.5	0.0	
100	PI/2 BPSK	1	271	15.78					
100	PI/2 BPSK	135	0	15.80			17.5	0.0	
100	PI/2 BPSK	135	69	15.73			17.5	0.0	
100	PI/2 BPSK	135	138	15.75					
100	PI/2 BPSK	270	0	15.70			17.5	0.0	
100	QPSK	1	1	15.61					
100	QPSK	1	137	15.58			17.5	0.0	
100	QPSK	1	271	15.67					
100	QPSK	135	0	15.61			17.5	0.0	
100	QPSK	135	69	15.78			17.5	0.0	
100	QPSK	135	138	15.67					
100	QPSK	270	0	15.75			17.5	0.0	
100	16QAM	1	1	15.71			17.5	0.0	
100	64QAM	1	1	15.64			17.5	0.0	
100	256QAM	1	1	15.66			17.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.61	15.69	15.51	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.61	15.78	15.55	17.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.56	15.78	15.71	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.55	15.65	15.73	17.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.56	15.71	15.57	17.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.54	15.63	15.70	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.63	15.79	15.67	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.57	15.69	15.60	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.61	15.78	15.52	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.67	15.62	15.68	17.5	0.0	

PC2 Part27Q n78 Ant8 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	18.79	18.79				
100	PI/2 BPSK	1	137	18.63			20.5	0.0	
100	PI/2 BPSK	1	271	18.85					
100	PI/2 BPSK	135	0	18.78			20.5	0.0	
100	PI/2 BPSK	135	69	18.68			20.5	0.0	
100	PI/2 BPSK	135	138	18.80					
100	PI/2 BPSK	270	0	18.84			20.5	0.0	
100	QPSK	1	1	18.88					
100	QPSK	1	137	18.66			20.5	0.0	
100	QPSK	1	271	18.80					
100	QPSK	135	0	18.66			20.5	0.0	
100	QPSK	135	69	18.85			20.5	0.0	
100	QPSK	135	138	18.66					
100	QPSK	270	0	18.76			20.5	0.0	
100	16QAM	1	1	18.80			20.5	0.0	
100	64QAM	1	1	18.71			20.5	0.0	
100	256QAM	1	1	18.70			20.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.70	18.76	18.68	20.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.63	18.68	18.57	20.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.65	18.75	18.66	20.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.67	18.79	18.54	20.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.73	18.87	18.54	20.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.77	18.79	18.74	20.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.60	18.70	18.69	20.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.64	18.75	18.65	20.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.64	18.72	18.73	20.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.67	18.85	18.55	20.5	0.0	



PC3 Part270 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.46	15.52	15.21	16.5	0.0	
100	PI/2 BPSK	1	137	15.43	15.61	15.21			
100	PI/2 BPSK	1	271	15.57	15.63	15.11			
100	PI/2 BPSK	135	0	15.24	15.58	15.07			
100	PI/2 BPSK	135	69	15.51	15.68	15.03			
100	PI/2 BPSK	135	138	15.59	15.56	15.01			
100	PI/2 BPSK	270	0	15.30	15.52	14.89			
100	QPSK	1	1	15.64	15.69	15.19			
100	QPSK	1	137	15.39	15.55	14.93			
100	QPSK	1	271	15.60	15.67	15.12			
100	QPSK	135	0	15.36	15.57	14.91	16.5	0.0	
100	QPSK	135	69	15.55	15.61	15.18	16.5	0.0	
100	QPSK	135	138	15.38	15.56	15.03	16.5	0.0	
100	QPSK	270	0	15.40	15.50	15.08			
100	16QAM	1	1	15.32	15.57	15.02	16.5	0.0	
100	64QAM	1	1	15.29	15.53	15.04	16.5	0.0	
100	256QAM	1	1	15.37	15.51	15.02	16.5	0.0	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	15.45	15.59	15.09	16.5	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	15.48	15.63	15.04	16.5	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	15.62	15.56	14.99	16.5	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	15.61	15.58	15.05	16.5	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	15.65	15.65	15.05	16.5	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	15.44	15.52	15.16	16.5	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	15.52	15.61	15.04	16.5	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	15.61	15.68	15.12	16.5	0.0	
Channel				647168	656000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	15.56	15.47	15.20	16.5	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	15.50	15.62	15.16	16.5	0.0	

PC2 Part270 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.44	18.48	18.21	19.5	0.0	
100	PI/2 BPSK	1	137	18.49	18.58	18.07			
100	PI/2 BPSK	1	271	18.50	18.42	18.17			
100	PI/2 BPSK	135	0	18.41	18.40	18.11			
100	PI/2 BPSK	135	69	18.27	18.29	18.17			
100	PI/2 BPSK	135	138	18.24	18.33	18.28			
100	PI/2 BPSK	270	0	18.46	18.40	18.25			
100	QPSK	1	1	18.51	18.59	18.43			
100	QPSK	1	137	18.48	18.49	18.17			
100	QPSK	1	271	18.33	18.50	18.09			
100	QPSK	135	0	18.19	18.31	18.10	19.5	0.0	
100	QPSK	135	69	18.30	18.58	18.21	19.5	0.0	
100	QPSK	135	138	18.31	18.27	18.04	19.5	0.0	
100	QPSK	270	0	18.26	18.56	18.09			
100	16QAM	1	1	18.32	18.42	18.09	19.5	0.0	
100	64QAM	1	1	18.37	18.35	18.14	19.5	0.0	
100	256QAM	1	1	17.35	17.39	17.01	18.5	1.0	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	18.43	18.56	18.14	19.5	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	18.46	18.55	18.42	19.5	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	18.48	18.50	18.11	19.5	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	18.50	18.45	18.11	19.5	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	18.51	18.40	18.08	19.5	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	18.55	18.53	18.05	19.5	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	18.52	18.49	18.01	19.5	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	18.48	18.47	18.01	19.5	0.0	
Channel				647168	656000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	18.49	18.46	18.09	19.5	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	18.47	18.45	18.09	19.5	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				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1	15.39			16.5	0.0	
100	PI/2 BPSK	1	137	15.25					
100	PI/2 BPSK	1	271	15.22					
100	PI/2 BPSK	135	0	15.22			16.5	0.0	
100	PI/2 BPSK	135	69	15.31			16.5	0.0	
100	PI/2 BPSK	135	138	15.27			16.5	0.0	
100	PI/2 BPSK	270	0	15.16					
100	QPSK	1	1	15.47					
100	QPSK	1	137	15.41			16.5	0.0	
100	QPSK	1	271	15.41					
100	QPSK	135	0	15.41			16.5	0.0	
100	QPSK	135	69	15.44			16.5	0.0	
100	QPSK	135	138	15.35			16.5	0.0	
100	QPSK	270	0	15.38					
100	16QAM	1	1	15.42			16.5	0.0	
100	64QAM	1	1	15.31			16.5	0.0	
100	256QAM	1	1	15.30			16.5	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.23	15.23	15.26	16.5	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	15.39	15.17	15.32	16.5	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	15.36	15.33	15.15	16.5	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	15.27	15.19	15.27	16.5	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	15.41	15.12	15.23	16.5	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.33	15.29	15.25	16.5	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	15.29	15.13	15.14	16.5	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	15.28	15.11	15.21	16.5	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	15.36	15.27	15.25	16.5	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	15.20	15.34	15.15	16.5	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				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1	18.27			19.5	0.0	
100	PI/2 BPSK	1	137	18.34					
100	PI/2 BPSK	1	271	18.46					
100	PI/2 BPSK	135	0	18.16			19.5	0.0	
100	PI/2 BPSK	135	69	18.41			19.5	0.0	
100	PI/2 BPSK	135	138	18.30			19.5	0.0	
100	PI/2 BPSK	270	0	18.13					
100	QPSK	1	1	18.63					
100	QPSK	1	137	18.43			19.5	0.0	
100	QPSK	1	271	18.34					
100	QPSK	135	0	18.54			19.5	0.0	
100	QPSK	135	69	18.55			19.5	0.0	
100	QPSK	135	138	18.36			19.5	0.0	
100	QPSK	270	0	18.46					
100	16QAM	1	1	18.45			19.5	0.0	
100	64QAM	1	1	18.28			19.5	0.0	
100	256QAM	1	1	17.36			18.5	1.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.25	18.29	18.31	19.5	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.37	18.24	18.36	19.5	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.36	18.24	18.25	19.5	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.25	18.31	18.40	19.5	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.27	18.36	18.29	19.5	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.33	18.17	18.44	19.5	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	18.34	18.30	18.33	19.5	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.34	18.23	18.44	19.5	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.45	18.35	18.42	19.5	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.38	18.19	18.26	19.5	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		14.19				
100	PI/2 BPSK	1	137		14.31		15.5	0.0	
100	PI/2 BPSK	1	271		14.17				
100	PI/2 BPSK	135	0		14.18		15.5	0.0	
100	PI/2 BPSK	135	69		14.18		15.5	0.0	
100	PI/2 BPSK	135	138		14.23		15.5	0.0	
100	PI/2 BPSK	270	0		14.24				
100	QPSK	1	1		14.53				
100	QPSK	1	137		14.36		15.5	0.0	
100	QPSK	1	271		14.35				
100	QPSK	135	0		14.39		15.5	0.0	
100	QPSK	135	69		14.44		15.5	0.0	
100	QPSK	135	138		14.41		15.5	0.0	
100	QPSK	270	0		14.39				
100	16QAM	1	1		14.50		15.5	0.0	
100	64QAM	1	1		14.15		15.5	0.0	
100	256QAM	1	1		14.22		15.5	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		14.19	14.10	14.27	15.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		14.19	14.23	14.13	15.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		14.38	14.12	14.11	15.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		14.22	14.15	14.21	15.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		14.32	14.13	14.16	15.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		14.24	14.13	14.32	15.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		14.19	14.27	14.26	15.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		14.16	14.25	14.26	15.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		14.36	14.23	14.10	15.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		14.21	14.25	14.30	15.5	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		17.46				
100	PI/2 BPSK	1	137		17.51		18.5	0.0	
100	PI/2 BPSK	1	271		17.46				
100	PI/2 BPSK	135	0		17.20		18.5	0.0	
100	PI/2 BPSK	135	69		17.25		18.5	0.0	
100	PI/2 BPSK	135	138		17.39		18.5	0.0	
100	PI/2 BPSK	270	0		17.40				
100	QPSK	1	1		17.64				
100	QPSK	1	137		17.53		18.5	0.0	
100	QPSK	1	271		17.50				
100	QPSK	135	0		17.38		18.5	0.0	
100	QPSK	135	69		17.49		18.5	0.0	
100	QPSK	135	138		17.41		18.5	0.0	
100	QPSK	270	0		17.41				
100	16QAM	1	1		17.29		18.5	0.0	
100	64QAM	1	1		17.31		18.5	0.0	
100	256QAM	1	1		17.29		18.5	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		17.30	17.23	17.30	18.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		17.20	17.28	17.12	18.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		17.20	17.22	17.28	18.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		17.20	17.36	17.13	18.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		17.35	17.35	17.22	18.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		17.23	17.20	17.15	18.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		17.33	17.28	17.15	18.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		17.37	17.38	17.20	18.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		17.29	17.32	17.16	18.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		17.29	17.26	17.32	18.5	0.0



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		14.45				
100	PI/2 BPSK	1	137		14.23		15.5	0.0	
100	PI/2 BPSK	1	271		14.38				
100	PI/2 BPSK	135	0		14.41		15.5	0.0	
100	PI/2 BPSK	135	69		14.33		15.5	0.0	
100	PI/2 BPSK	135	138		14.40				
100	PI/2 BPSK	270	0		14.42		15.5	0.0	
100	QPSK	1	1		14.58				
100	QPSK	1	137		14.53		15.5	0.0	
100	QPSK	1	271		14.29				
100	QPSK	135	0		14.32		15.5	0.0	
100	QPSK	135	69		14.52		15.5	0.0	
100	QPSK	135	138		14.45				
100	QPSK	270	0		14.47				
100	16QAM	1	1		14.51		15.5	0.0	
100	64QAM	1	1		14.36		15.5	0.0	
100	256QAM	1	1		14.31		15.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		14.23	14.08	14.23	15.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		14.19	14.09	14.21	15.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		14.16	14.09	14.20	15.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		14.25	14.04	14.19	15.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		14.09	14.21	14.22	15.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		14.10	14.18	14.13	15.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		14.06	14.16	14.07	15.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		14.19	14.21	14.14	15.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		14.20	14.17	14.21	15.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		14.17	14.07	14.19	15.5	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		17.11				
100	PI/2 BPSK	1	137		17.29		18.5	0.0	
100	PI/2 BPSK	1	271		17.19				
100	PI/2 BPSK	135	0		17.19		18.5	0.0	
100	PI/2 BPSK	135	69		17.19		18.5	0.0	
100	PI/2 BPSK	135	138		17.18				
100	PI/2 BPSK	270	0		17.23		18.5	0.0	
100	QPSK	1	1		17.41				
100	QPSK	1	137		17.19		18.5	0.0	
100	QPSK	1	271		17.13				
100	QPSK	135	0		17.14		18.5	0.0	
100	QPSK	135	69		17.29		18.5	0.0	
100	QPSK	135	138		17.27				
100	QPSK	270	0		17.31				
100	16QAM	1	1		17.34		18.5	0.0	
100	64QAM	1	1		17.27		18.5	0.0	
100	256QAM	1	1		17.14		18.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		17.00	17.08	17.19	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		17.10	17.04	17.16	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		17.09	17.01	17.32	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		17.01	16.99	17.11	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		17.02	17.08	17.13	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		17.09	16.98	17.21	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		17.01	16.96	17.17	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		17.04	16.98	17.12	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		16.98	16.95	17.18	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		16.99	17.08	17.11	18.5	0.0



### WiFi&Bluetooth Power

Ant 9+10 Full power&Extremity					Head Standalone		Head Simultaneous		Hotspot&Body worn Simultaneous		Duty Cycle %				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit					
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.71	23.00	16.63	18.50	12.25	14.00	18.71	20.50	98.29			
		6	2437	21.67	23.00	16.68	18.50	12.29	14.00	18.66	20.50				
		11	2462	21.85	23.00	16.71	18.50	12.35	14.00	18.91	20.50				
	802.11g 6Mbps	1	2412	20.76	22.00	Not Required	18.50	Not Required	14.00	18.50	20.50	98.77			
		6	2437	21.79	23.00								18.50	14.00	20.50
		11	2462	21.40	22.50								18.50	14.00	20.50
	802.11n-HT20 MCS0	1	2412	19.55	20.50							18.50	14.00	20.50	
		6	2437	21.81	23.00							18.50	14.00	20.50	
		11	2462	19.76	21.00							18.50	14.00	20.50	
	802.11n-HT40 MCS0	3	2422	21.51	23.00							18.50	14.00	20.50	
		6	2437	21.56	22.50							18.50	14.00	20.50	
		9	2452	21.51	22.50							18.50	14.00	20.50	
	802.11ax-HE20 MCS0	1	2412	19.62	21.00							18.50	14.00	20.50	
		6	2437	21.84	23.00							18.50	14.00	20.50	
		11	2462	19.84	21.00							18.50	14.00	20.50	
	802.11ax-HE40 MCS0	3	2422	20.36	21.50							18.50	14.00	20.50	
		6	2437	20.90	22.00							18.50	14.00	20.50	
		9	2452	20.94	22.00							18.50	14.00	20.50	

Ant 9+11 Full power&Extremity					Head Standalone		Head Simultaneous		Hotspot&Body worn Simultaneous		Duty Cycle %				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit					
5.2GHz WLAN	802.11a 6Mbps	36	5180	21.19	22.00	Not Required	20.50	Not Required	16.00	21.00	99.45				
		40	5200	21.15	22.00							20.50	16.00	21.00	
		44	5220	20.96	22.00							20.50	16.00	21.00	
		48	5240	20.92	22.00							20.50	16.00	21.00	
	802.11n-HT20 MCS0	36	5180	20.85	22.00						20.50	16.00	21.00		
		40	5200	20.87	22.00						20.50	16.00	21.00		
		44	5220	20.76	22.00						20.50	16.00	21.00		
		48	5240	20.60	22.00						20.50	16.00	21.00		
	802.11n-HT40 MCS0	38	5190	20.51	21.50						20.50	16.00	21.00		
		46	5230	20.39	21.50						20.50	16.00	21.00		
	802.11ac-VHT20 MCS0	36	5180	20.94	22.00						20.50	16.00	21.00		
		40	5200	20.96	22.00						20.50	16.00	21.00		
		44	5220	20.83	22.00						20.50	16.00	21.00		
		48	5240	20.67	22.00						20.50	16.00	21.00		
	802.11ac-VHT40 MCS0	38	5190	20.52	21.50						20.50	16.00	21.00		
		46	5230	20.44	21.50						20.50	16.00	21.00		
	802.11ac-VHT80 MCS0	42	5210	18.75	20.00						20.00	14.76	16.00	20.00	100
		36	5180	20.99	22.00						20.50	16.00	21.00		
	802.11ax-HE20 MCS0	40	5200	21.02	22.00						20.50	16.00	21.00		
		44	5220	20.89	22.00						20.50	16.00	21.00		
		48	5240	20.72	22.00						20.50	16.00	21.00		
		38	5190	19.91	21.00						20.50	16.00	21.00		
	802.11ax-HE40 MCS0	46	5230	19.83	21.00						20.50	16.00	21.00		
		42	5210	19.74	21.00						19.22	20.50	16.00	19.74	21.00

Ant 9+11 Full power&Extremity					Head Standalone		Head Simultaneous		Body worn Simultaneous		Duty Cycle %					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit						
5.3GHz WLAN	802.11a 6Mbps	52	5260	20.97	22.00	Not Required	20.50	Not Required	16.00	21.00	99.45					
		56	5280	20.97	22.00							20.50	16.00	21.00		
		60	5300	20.98	22.00							20.50	16.00	21.00		
		64	5320	20.88	22.00							20.50	16.00	21.00		
	802.11n-HT20 MCS0	52	5260	20.89	22.00						20.50	16.00	21.00			
		56	5280	20.86	22.00						20.50	16.00	21.00			
		60	5300	20.70	22.00						20.50	16.00	21.00			
		64	5320	20.56	22.00						20.50	16.00	21.00			
	802.11n-HT40 MCS0	54	5270	20.37	21.50						20.50	16.00	21.00			
		62	5310	20.38	21.50						20.50	16.00	21.00			
	802.11ac-VHT20 MCS0	52	5260	20.76	22.00						20.50	16.00	21.00			
		56	5280	20.79	22.00						20.50	16.00	21.00			
		60	5300	20.76	22.00						20.50	16.00	21.00			
		64	5320	20.67	22.00						20.50	16.00	21.00			
	802.11ac-VHT40 MCS0	54	5270	20.43	21.50						20.50	16.00	21.00			
		62	5310	20.44	21.50						20.50	16.00	21.00			
	802.11ac-VHT80 MCS0	58	5290	18.73	19.50						19.50	14.86	16.00	19.50	100	
	802.11ac-VHT160 MCS0	50	5250	19.12	20.50						20.50	16.00	20.50	20.50	100	
	802.11ax-HE20 MCS0	52	5260	20.82	22.00						20.50	16.00	21.00			
		56	5280	20.84	22.00						20.50	16.00	21.00			
		60	5300	20.80	22.00						20.50	16.00	21.00			
		64	5320	20.72	22.00						20.50	16.00	21.00			
	802.11ax-HE40 MCS0	54	5270	19.83	21.00						20.50	16.00	21.00			
		62	5310	19.81	21.00						20.50	16.00	21.00			
	802.11ax-HE80 MCS0	58	5290	19.72	21.00						19.30	20.50	16.00	19.72	21.00	100
	802.11ax-HE160 MCS0	50	5250	19.17	20.50						Not Required	20.50	16.00	20.50	100	



Ant 9+11 Full power&Extremity					Head Standalone		Head Simultaneous		Body worn Simultaneous					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
802.11a 6Mbps	100	5500	20.17	21.50	Not Required	Not Required	18.50	14.00	18.50	14.00	19.00			
	116	5580	20.42	21.50								18.50	14.00	19.00
	124	5620	20.18	21.50								18.50	14.00	19.00
	132	5660	20.04	21.50								18.50	14.00	19.00
	140	5700	20.10	21.50								18.50	14.00	19.00
	144	5720	19.97	21.50								18.50	14.00	19.00
	100	5500	19.91	21.00								18.50	14.00	19.00
	116	5580	20.02	21.00								18.50	14.00	19.00
	124	5620	19.86	21.00								18.50	14.00	19.00
	132	5660	19.78	21.00								18.50	14.00	19.00
	140	5700	19.75	21.00								18.50	14.00	19.00
	144	5720	19.70	21.00								18.50	14.00	19.00
	102	5510	19.45	20.50								18.50	14.00	19.00
	110	5550	19.48	20.50								18.50	14.00	19.00
126	5630	19.27	20.50	18.50	14.00	19.00								
802.11n-HT20 MCS0	134	5670	19.25	20.50	Not Required	Not Required	18.50	14.00	18.50	14.00	19.00			
	142	5710	19.27	20.50								18.50	14.00	19.00
	100	5500	19.97	21.00								18.50	14.00	19.00
	116	5580	20.10	21.00								18.50	14.00	19.00
	124	5620	19.94	21.00								18.50	14.00	19.00
	132	5660	19.87	21.00								18.50	14.00	19.00
802.11ac-VHT20 MCS0	140	5700	19.85	21.00	Not Required	Not Required	18.50	14.00	18.50	14.00	19.00			
	144	5720	19.77	21.00								18.50	14.00	19.00
	102	5510	19.48	20.50								18.50	14.00	19.00
	110	5550	19.52	20.50								18.50	14.00	19.00
802.11ac-VHT40 MCS0	126	5630	19.29	20.50	Not Required	Not Required	18.50	14.00	18.50	14.00	19.00			
	134	5670	19.28	20.50								18.50	14.00	19.00
	142	5710	19.30	20.50								18.50	14.00	19.00
	106	5530	18.59	19.50								17.49	18.50	13.19
802.11ac-VHT80 MCS0	122	5610	18.34	19.50	17.47	18.50	12.97	14.00	17.91	19.00	100			
	138	5690	18.35	19.50	17.36	18.50	12.91	14.00	17.86	19.00	100			
	114	5570	19.02	20.00	Not Required	Not Required	18.50	14.00	18.50	14.00	19.00			
100	5500	20.01	21.00	18.50								14.00	19.00	
116	5580	20.17	21.00	18.50								14.00	19.00	
802.11ax-HE20 MCS0	124	5620	19.99	21.00	Not Required	Not Required	18.50	14.00	18.50	14.00	19.00			
	132	5660	19.89	21.00								18.50	14.00	19.00
	140	5700	19.91	21.00								18.50	14.00	19.00
	144	5720	19.81	21.00								18.50	14.00	19.00
	102	5510	19.53	20.50								18.50	14.00	19.00
802.11ax-HE40 MCS0	110	5550	19.55	20.50	Not Required	Not Required	18.50	14.00	18.50	14.00	19.00			
	126	5630	19.33	20.50								18.50	14.00	19.00
	134	5670	19.32	20.50								18.50	14.00	19.00
	142	5710	19.35	20.50								18.50	14.00	19.00
802.11ax-HE80 MCS0	106	5530	19.55	20.50	Not Required	Not Required	18.50	14.00	18.50	14.00	19.00			
	122	5610	19.39	20.50								18.50	14.00	19.00
	138	5690	19.34	20.50								18.50	14.00	19.00
802.11ax-HE160 MCS0	114	5570	19.08	20.50	18.50	14.00	19.00	100						

Ant 9+11 Full power&Extremity					Head Standalone		Head Simultaneous		Hotspot&Body worn Simultaneous					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
802.11a 6Mbps	149	5745	20.49	21.50	Not Required	Not Required	18.00	13.50	18.50	13.50	18.50			
	157	5785	20.48	21.50								18.00	13.50	18.50
	165	5825	20.54	21.50								18.00	13.50	18.50
802.11n-HT20 MCS0	149	5745	20.13	21.50	Not Required	Not Required	18.00	13.50	18.50	13.50	18.50			
	157	5785	20.25	21.50								18.00	13.50	18.50
	165	5825	20.24	21.50								18.00	13.50	18.50
802.11n-HT40 MCS0	151	5755	20.21	21.00	Not Required	Not Required	18.00	13.50	18.50	13.50	18.50			
	159	5795	19.99	21.00								18.00	13.50	18.50
802.11ac-VHT20 MCS0	149	5745	20.25	21.50	Not Required	Not Required	18.00	13.50	18.50	13.50	18.50			
	157	5785	20.35	21.50								18.00	13.50	18.50
	165	5825	20.31	21.50								18.00	13.50	18.50
802.11ac-VHT40 MCS0	151	5755	20.24	21.00	Not Required	Not Required	18.00	13.50	18.50	13.50	18.50			
	159	5795	20.02	21.00								18.00	13.50	18.50
802.11ac-VHT80 MCS0	155	5775	18.38	19.50	16.79	18.00	12.37	13.50	17.42	18.50	100			
802.11ax-HE20 MCS0	149	5745	20.33	21.50	Not Required	Not Required	18.00	13.50	18.50	13.50	18.50			
	157	5785	20.39	21.50								18.00	13.50	18.50
	165	5825	20.39	21.50								18.00	13.50	18.50
802.11ax-HE40 MCS0	151	5755	19.65	20.50	Not Required	Not Required	18.00	13.50	18.50	13.50	18.50			
	159	5795	19.41	20.50								18.00	13.50	18.50
802.11ax-HE80 MCS0	155	5775	19.44	20.50	18.00	13.50	18.50	100						



**Ant 9**

BR / EDR		Frequency (MHz)	Average power (dBm)			Tune-up Limit	Head Simultaneous			Tune-up Limit
Mode	Channel		1Mbps	2Mbps	3Mbps		1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	15.29	12.68	12.68	16.50	12.46	11.69	11.64	13.50
	CH 39	2441	15.37	12.72	12.74	16.50	12.59	11.78	11.72	13.50
	CH 78	2480	14.08	11.88	11.73	15.00	12.06	11.54	11.38	13.50

**BLE\_1M**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	6.54	7.50
	CH 19	2440	7.49	8.50
	CH 39	2480	5.71	7.00

**BLE\_2M**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	6.26	7.50
	CH 19	2440	6.70	7.50
	CH 39	2480	5.33	6.50

**Ant 10**

BR / EDR		Frequency (MHz)	Average power (dBm)			Tune-up Limit	Head Simultaneous			Tune-up Limit
Mode	Channel		1Mbps	2Mbps	3Mbps		1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	17.18	15.03	14.94	18.00	10.83	10.69	10.54	12.00
	CH 39	2441	16.53	13.79	13.83	17.50	10.94	10.74	10.68	12.00
	CH 78	2480	15.44	12.81	12.90	16.50	10.67	10.61	10.49	12.00

**BLE\_1M**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	7.08	8.00
	CH 19	2440	6.68	7.50
	CH 39	2480	4.76	6.00

**BLE\_2M**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	6.06	7.00
	CH 19	2440	5.77	7.00
	CH 39	2480	4.14	5.00